COMMITTENTE:

RFI RETE FERROVIARIA ITALIANA
GRUPPO FERROVIE DELLO STATO ITALIANE

ALTA SORVEGLIANZA:

ITALFERR
GRUPPO FERROVIE DELLO STATO ITALIANE

GENERAL CONTRACTOR:

Consorzio IricAV Due

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

LINEA AV/AC TORINO – VENEZIA Tratta VERONA – PADOVA

Lotto funzionale Verona – Bivio Vicenza

PROGETTO ESECUTIVO

INTERFERENZE IDRAULICHE ED OPERE IDRAULICHE

Tombino scatolare bypass valpantena al km 0+751,35

GENERALE

Tombino Dim. 6,00x5,00 al km 0+751,35 - Relazione di calcolo

GENERAL CONTRACTOR		DIRETTORE LAVORI	SCALA
IL PROGETTISTA INTEGRATORE Ing. Giovanni MALAVENDA iscritto all'ordine degli ingegneri di Venezia n. 4289 Data: Aprile 2021	Consorzio Iricav Due ing. Paolo Carmona Data: Aprile 2021	ing. Luca Zaccaria iscritto all'ordine degli ingegneri di Ravenna n.A1206 Data:	-

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC.	OPERA/DISCIPLINA	PROGR.	REV.	FOGLIO
I N 1 7	1 1	E	I 2	C L	I N 0 1 0 0	0 0 1	B	- - - DI - - -

Consorzio IricAV Due	VISTO CONSORZIO IRICAV DUE	
	Firma	Data
		Aprile 2021

Progettazione:

Rev.	Descrizione	Redatto	Data	Verificato	Data	Approvato	Data	IL PROGETTISTA
A	EMISSIONE	FISCALE	31/03/21	GUILARTE	31/03/21	AIELLO	31/03/21	
B	REV. PER ISTR. VALIDATORE	FISCALE	20/04/21	GUILARTE	20/04/21	AIELLO	20/04/21	Il Responsabile (Dott. Ing. V. Aiello) ALBO PROVINCIALE INGEGNERI VERONA iscrizione N. 1553

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		Cod. origine:

Progetto cofinanziato dalla Unione Europea

INDICE

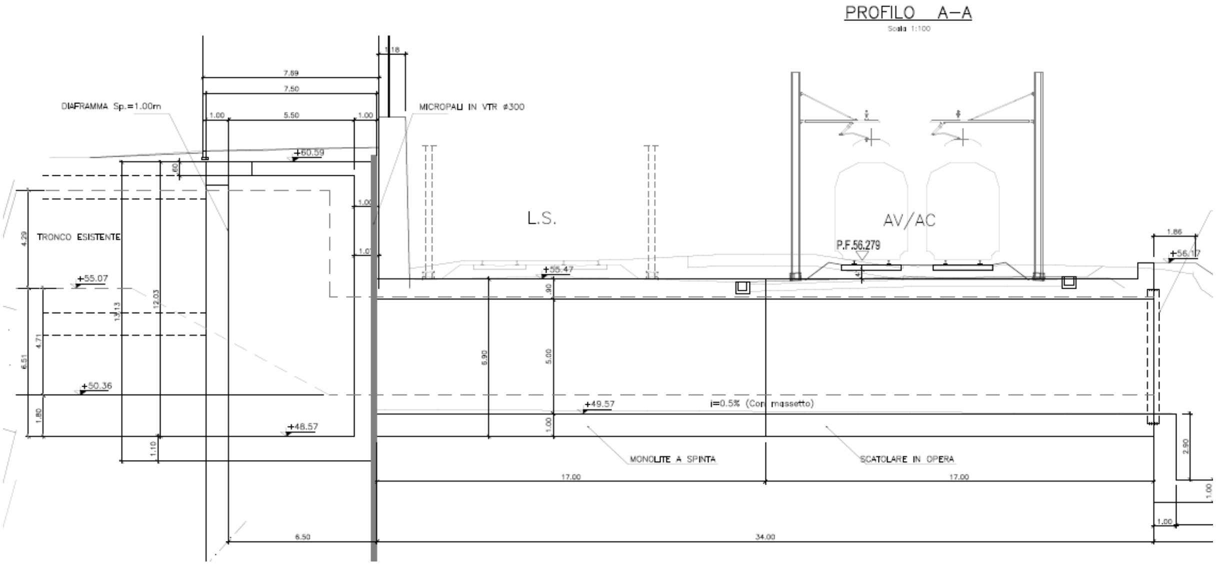
1. OGGETTO

La presente relazione ha per oggetto le analisi e le verifiche dell'opera idraulica alla progressiva 0+751.35 m costituita da un pozzo connesso ad un tombino scatolare di dimensioni interne 6.00x5.00 m.

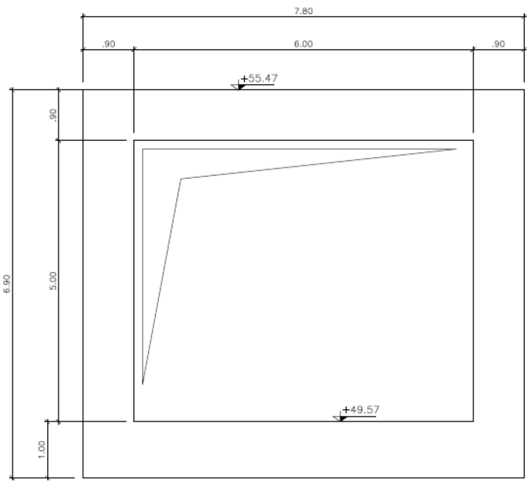
Il tombino è costituito da una struttura scatolare di tipo classico, con piedritti e soletta di copertura di spessore pari a 0.90 m e soletta di fondazione di spessore pari a 1.00 m.

I capitoli seguenti riportano nel dettaglio le analisi e verifiche riguardanti il tombino, mentre le verifiche strutturali dei diaframmi costituenti il pozzo sono riportate nella relazione geotecnica.
Nell'ultimo capitolo della presente relazione si riportano le verifiche strutturali riguardanti la soletta superiore del pozzo e del sistema di contrasto definitivo in acciaio.

Si riporta, di seguito, l'opera idraulica.



Sezione longitudinale



Sezione trasversale tombino

2. NORMATIVA DI RIFERIMENTO

I calcoli sono svolti in ottemperanza alla Normativa vigente:

- NTC 2008 – D.M. Infrastrutture 14 gennaio 2008;
- C.M. 02/02/2009 n.617: Istruzioni per l'applicazione delle "Norme tecniche per le costruzioni;
- RFI-DTC-INC-PO SP IFS 001 A - Istruzione per la progettazione e l’esecuzione di ponti ferroviari;
- RFI-DTC-INC-CS SP IFS 001 A - Istruzione 44G – Istruzioni per l’applicazione delle norme tecniche per le costruzioni di cui al D.M.14.01.08 alla progettazione geotecnica delle opere ferroviarie.

3. CARATTERISTICHE DEI MATERIALI

Per entrambe le opere, in accordo al Capitolato di costruzione RFI 2014 (tabella 6.9.1) si adotta la classe di calcestruzzo C30/37 e la classe di esposizione XA1.

6 Attacco chimico		
Qualora il calcestruzzo sia esposto all'attacco chimico che si verifica nel terreno naturale e nell'acqua del terreno avente caratteristiche definite nel prospetto 2, l'esposizione verrà classificata come è indicato di seguito. La classificazione dell'acqua di mare dipende dalla località geografica; perciò si dovrà applicare la classificazione valida nel luogo di impiego del calcestruzzo. Nota Può essere necessario uno studio speciale per stabilire le condizioni di esposizione da applicare quando si è: - al di fuori dei limiti del prospetto 2; - in presenza di altri aggressivi chimici; - in presenza di terreni o acque inquinati da sostanze chimiche; - in presenza della combinazione di elevata velocità dell'acqua e delle sostanze chimiche del prospetto 2.		
XA1	Ambiente chimico debolmente aggressivo secondo il prospetto 2	

Figura 1 – Prospetto 1 della UNI EN 206

Denominazione della classe	Descrizione dell'ambiente	Esempi informativi di situazioni a cui possono applicarsi le classi di esposizione
6 Attacco chimico**)		
XA1	Ambiente chimicamente debolmente aggressivo secondo il prospetto 2 della UNI EN 206-1	Contenitori di fanghi e vasche di decantazione. Contenitori e vasche per acque reflue.

Figura 2 – Prospetto 1 della UNI 11104

Tabella 4.1.III – *Descrizione delle condizioni ambientali*

CONDIZIONI AMBIENTALI	CLASSE DI ESPOSIZIONE
Ordinarie	X0, XC1, XC2, XC3, XF1
Aggressive	XC4, XD1, XS1, XA1, XA2, XF2, XF3
Molto aggressive	XD2, XD3, XS2, XS3, XA3, XF4

Le opere rientrano quindi nella condizione ambientale aggressiva, secondo la classificazione delle NTC08. Le caratteristiche meccaniche sono:

coefficiente parziale di sicurezza relativo al calcestruzzo	γ_c	1.5	
coefficiente riduttivo per le resistenze di lunga durata	α_{cc}	0.85	
modulo di Poisson	ν	0.2	
peso dell'unità di volume	ρ	25	kN/m^3
coefficiente di dilatazione termica	α	1.00E-05	$°C^{-1}$

f_{ck} [MPa]	R_{ck} [MPa]	Classe	f_{cm} [MPa]	f_{cd} [MPa]	E_{cm} [MPa]	f_{ctm} [MPa]	$f_{ctk\ 0,05} = 0.7*f_{ctm}$ [MPa]	$f_{ctk\ 0,95} = 1.3*f_{ctm}$ [MPa]	f_{cfm} [MPa]	$f_{ctd} = f_{ctk\ 0,05}/\gamma_c$ [MPa]
30	37	C30/37	38	17.00	32837	2.90	2.03	3.77	3.48	1.35

Per l’acciaio da c.a. si adotta:

Acciaio tipo		B450C	
Tensione caratteristica di snervamento	fyk	450	MPa
Coefficiente parziale di sicurezza	γs	1.15	-
Resistenza di progetto	fyd	391.3	MPa

4. GEOMETRIA

Per entrambe le opere verrà esaminata una striscia avente larghezza di 1.00m. In figura si riportano schematicamente la geometria dell'opera e la simbologia adottata.

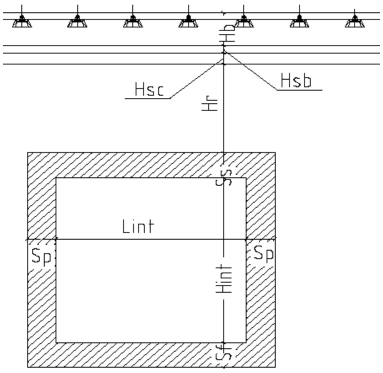


Figura 3 – Geometria dell'opera

Le caratteristiche geometriche risultano:

		Tombino	Opera di scavalco	
Spessore medio del ballast+ armamento	Hb	0.75	0.75	m
Spessore traversina + rotaie	Htb	0.40	0.40	m
Spessore sotto traversa	Hsb	0.35	0.35	m
Spessore del sub ballast	Hsb	0.00	0.00	m
Spessore del supercompattato	Hsc	0.00	0.00	m
Spessore del rinterro	Hr	0.00	2.15	m
Spessore del sub ballast + supercompattato + rinterro	H1=Hr+Hsc+Hsb	0.00	2.15	m
Spessore soletta superiore	Ss	0.90	1.20	m
Spessore piedritti	Sp	0.90	1.20	m
Spessore soletta inferiore	Sf	1.00	0.00	m
Larghezza utile del sottopasso	Lint	6.00	5.70	m
Altezza utile del sottopasso	Hint	5.00	2.10	m
Larghezza totale del sottopasso	Ltot	7.80	17.75	m
Altezza totale del sottopasso	Htot	6.90	3.30	m
Larghezza striscia di calcolo	b	1.00	1.00	m

5. ANALISI DEI CARICHI

Si riportano di seguito i carichi utilizzati per il calcolo delle sollecitazioni e le verifiche delle strutture in esame.
I pesi dei materiali da costruzione e del terreno sono indicati nella tabella seguente:

	γ (kN/m^3)	φ (°)	c' (°)
calcestruzzo armato	25	-	-
ballast + armamento	18	-	-
Terreno	20	38	-

5.1. Peso proprio degli elementi strutturali (G1)

Il peso proprio strutturale viene calcolato automaticamente dal programma di calcolo utilizzato considerando per il calcestruzzo γ = 25 kN/m3.

Tombino:
Peso soletta superiore: P_{ss} = 0.90*25*1 = 22.50 kN/m
Peso soletta inferiore: P_{si} = 1.00*25*1 = 25.00 kN/m
Peso piedritti: P_p = 0.90*25*1 = 22.50 kN/m

Opera di scavalco
Peso soletta superiore: P_{ss} = 1.20*25*1 = 30.00 kN/m (trave+getto)
Peso cordolo: P_p = 1.20*25*1 = 30.00 kN/m

5.1.1. Carichi permanenti portati:

Tombino:
Permanente portato (ballast, sp.75cm) $G_{2,sup,b}$ = 0.75x18x1 = 13.5 kN/m

Opera di scavalco:
Permanente portato (ballast, sp.75cm) $G_{2,sup,b}$ = 0.75x18x1 = 13.5 kN/m
Terreno di riempimento (sp. 2.15) $G_{2,sup,b}$ = 2.15x20x1 = 43.0 kN/m

5.2. Spinta permanente del terreno (ENV-SP)

La spinta permanente del terreno viene considerata mediante opportuna combinazione delle 5 azioni elementari di spinta di seguito riportate. In condizioni statiche, è stata considerata, a seconda che l'effetto fosse favorevole o sfavorevole, la spinta attiva (SP-A), la spinta a riposo (SP-R) e una condizione di spinta asimmetrica (SP-ASYM-SX).

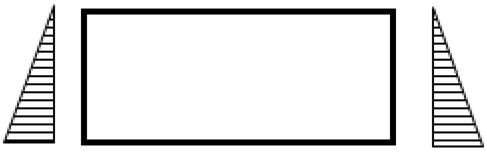


Figura 4 – diagramma di spinta elementare – s1=1

Figura 5 – diagramma di spinta elementare – s2=1

Figura 6 – diagramma di spinta elementare – s3=1

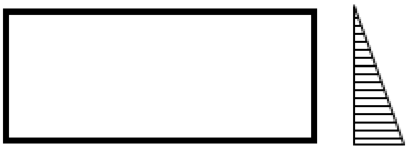


Figura 7 – diagramma di spinta elementare – s4=1

Figura 8 – diagramma di spinta elementare – s5=1

5.2.1. Spinta simmetrica (SP-R)

Tale azione riguarda la spinta totale laterale in condizioni a riposo e comprende:

- La componente di spinta triangolare sull'altezza totale del piedritto con pressione verticale massima alla base pari a:

Tombino	Opera di scavalco
$s_1 = \gamma * h$ = 138 KN/m²	$s_1 = \gamma * h$ = 66 KN/m²
γ = 20 KN/m³ h = 6.90 m (altezza fuori tutto dello scatolare)	γ = 20 KN/m³ h = 3.3 m

- La componente di spinta rettangolare del terreno al disopra del solettone, considerato come un sovraccarico pari a:

		Tombino		Opera di scavalco	
Strato	γ (kN/m³)	H (m)	γ x H (kN/m²)	H (m)	γ x H (kN/m²)
Spessore medio del ballast + armamento	18	0.75	13.50	0.75	13.50
Terreno di riempimento	20	0.00	0.00	2.15	43
Tensione verticale totale all'estradosso della soletta superiore		$s_{2g} = s_{3g}$ =	13.50	$s_{2g} = s_{3g}$ =	56.5

Le spinte sono state calcolate con i parametri M1. I coefficienti di spinta orizzontale valgono:

Combinazione	Comb	M1	-
angolo di attrito	φ'	38.0	°
coeff spinta a riposo	k0	0.384	-

Le spinte sono state calcolate con i parametri M1. I coefficienti di spinta orizzontale valgono:

Combinazione	Comb	M1	-
angolo di attrito	φ'	38.0	°
coeff spinta a riposo	k0	0.384	-

5.2.2. Inviluppo delle spinte permanenti (ENV – SP)

E' stata definita una combinazione di inviluppo delle condizioni elementari sopra definite (SP-R).

5.3. Azioni variabili da traffico ferroviario (ENV-TRAFF)

Le azioni considerate prodotte dal traffico ferroviario agente sui solettoni superiori dello scatolare sono le seguenti:

- Carico verticale su soletta superiore e relative spinte congruenti;
- Azione di frenatura.

5.3.1. Carichi verticali (Q)

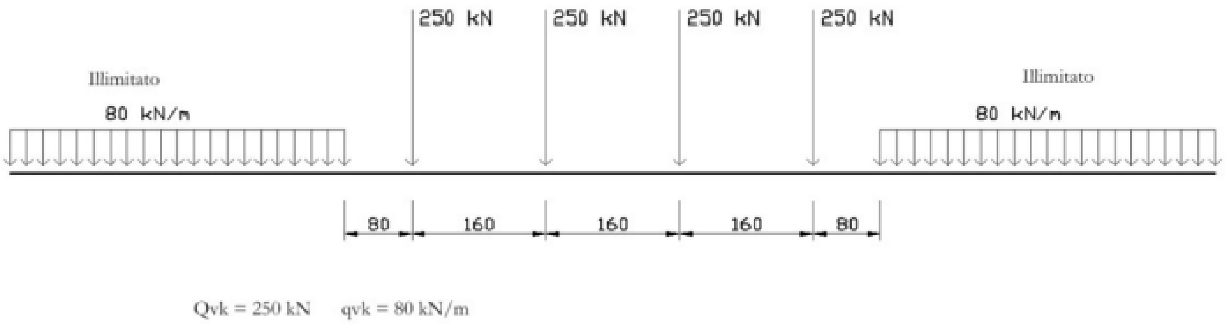
Il carico verticale agente sulla traversina, si diffonde all'interno pacchetto ballast, sub ballast, super compattato, rinterro, fino al piano medio della soletta. Ai fini della determinazione del carico, a favore di scurezza si è operato, per entrambe le opere, nel seguente modo:

- 4:1 nel ballast sotto traversa;
- 3:2 nel pacchetto sub ballast, super compattato e rinterro (in seguito denominato H1);
- 1:1 all'interno della soletta.
-

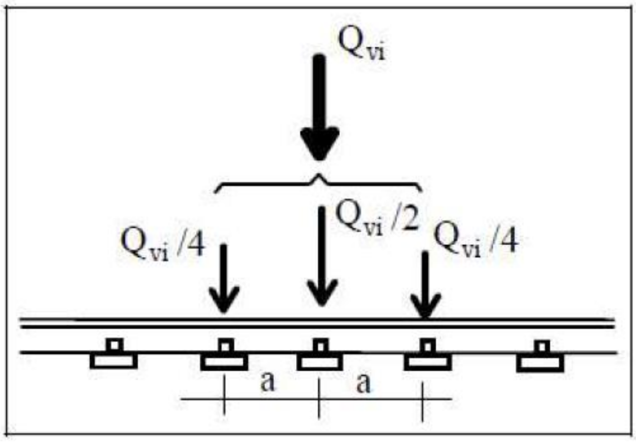
L'incremento della zona di diffusione del carico (d), vale pertanto:

d = [(Hb-Htb)/4 + H1/3x2 + Ss/2] x 2 = 1.10 m

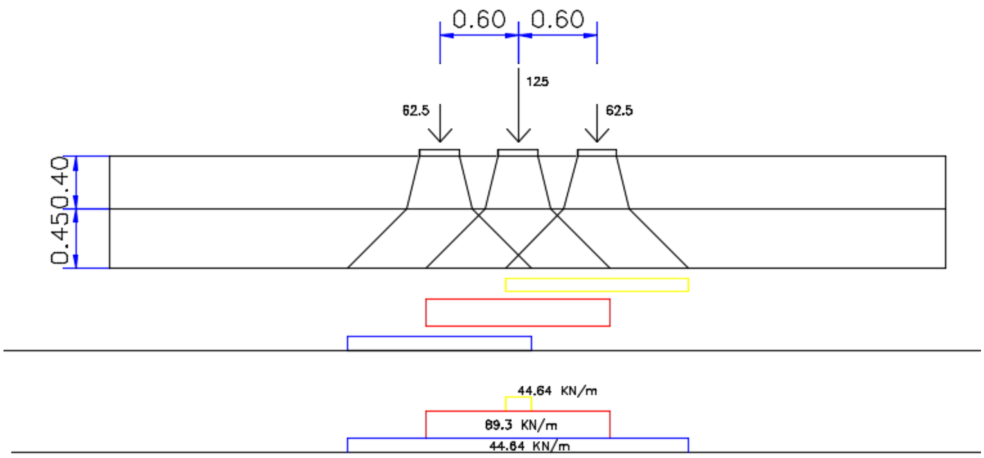
Cosi come previsto nel 5.2.2.3.1.1 e nel 5.2.2.3.1.2 del DM 08, gli effetti statici prodotti dal traffico ferroviario normale, utilizzando il modello di carico LM71, si schematizza come in figura seguente:



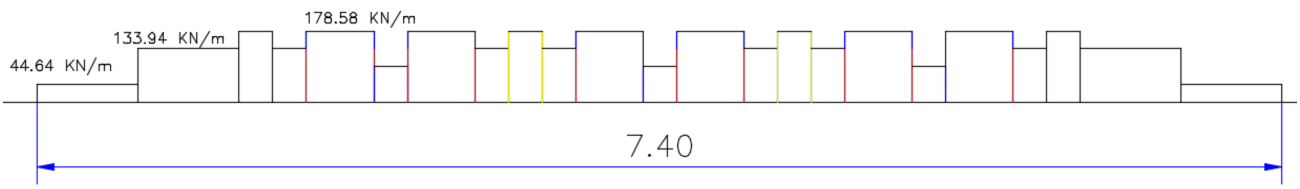
Secondo quanto previsto nel 5.2.2.3.1.4 del DM 08, un carico assiale Qvi può essere distribuito su tre traverse consecutive poste ad un interasse uniforme "a", ripartendolo fra la traversa che la precede, quella su cui insiste e quella successiva nelle seguenti proporzioni 25%, 50%, 25%.



La lunghezza totale di ripartizione del carico nella direzione trasversale, risulta essere:
Larghezza di diffusione trasversale   Bt = 2.60 + d = 3.7 m   (2.60m, larghezza traversina)



Traslando la diffusione del carico così come rappresentata in figura di 1.6m, cosi come previsto da normativa, inserendo dunque tutti e quattro i coni di diffusione dei carichi concentrati si ottiene, utilizzando la sovrapposizione degli effetti un carico che agisce sulla soletta superiore del tipo:



A questo punto dividendo tale ripartizione del carico per Bt e moltiplicando per il coefficiente di adattamento e per il coefficiente di amplificazione dinamico si ottiene:

	(KN/m)	B_t (m)	KN/m^2	Coeff. Adattamento α	Φ3	tot (KN/m2)
q1	178.58	3.7	48.3	1.1	1.18	62.65
q2	133.94	3.7	36.2	1.1	1.18	46.99
q3	44.64	3.7	12.1	1.1	1.18	15.66

A favore di sicurezza si considera un carico uniformemente distribuito pari a 62.65 KN/m2
Il coefficiente di adattamento α , per opere di 1° categoria, è pari a 1.1 per LM71
Per il calcolo del coefficiente dinamico Φ si fa riferimento al paragrafo 1.4.2 "effetti dinamici" delle istruzioni per la progettazione e l'esecuzione dei ponti ferroviari e di opere minori sotto binario.

Caso	Elemento strutturale	Lunghezza L_Φ
	TRAVI PRINCIPALI	
5	5.1Travi e solette semplicemente appoggiate (compresi i solettoni a travi incorporate)	Luce nella direzione delle travi principali
	5.2 Travi e solette continue su n luci, indicando con: $L_m = 1/n \cdot (L_1+L_2+.....+L_n)$	$L_\Phi = k \cdot L_m$ dove: n = 2 - 3 - 4 - ≥ 5 k = 1.2 - 1.3 - 1.4 - 1.5
	5.3 Portali: - a luce singola	da considerare come trave continua a tre luci (usando la 5.2 considerando le altezze dei piedritti e la lunghezza del traverso)
	- a luci multiple	da considerare come trave continua a più luci (usando la 5.2 considerando le altezze dei piedritti terminali e la lunghezza di tutti i traversi)
	5.4 Solette ed altri elementi di scatolari per uno o più binari (sottovia di altezza libera ≤ 5.0 m e luce Per gli scatolari che non rispettano i precedenti limiti vale il punto 5.3, trascurando la presenza della soletta inferiore e considerando un coefficiente riduttivo pari a 0.9, da applicare al coefficiente Φ.	$\Phi_2 = 1.20 = \Phi_3 = 1.35$
	5.5 Travi ad asse curvilineo, archi a spinta eliminata archi senza riempimento.	metà della luce libera
	5.6 Archi e serie di archi con riempimento	due volte la luce libera
	5.7 Strutture di sospensione (di collegamento a travi di irrigidimento)	4 volte la distanza longitudinale fra le strutture di sospensione

- Coefficiente dinamico $\Phi_3 = 1.18$

Nel caso in cui l'asse del binario attraversa lo scatolare secondo una inclinazione α, i sovraccarichi vengono amplificati del rapporto 1/cosα.

Con α=0° $1/\cos\alpha = 1.0$

5.3.2. Spinte variabili prodotte dal sovraccarico ferroviario sul rinterro

Essendo tale azione variabile, il suo effetto deve essere considerato pari al valore massimo possibile, pertanto le spinte del sovraccarico vengono considerate solo in condizioni di spinta a riposo.
La spinta orizzontale viene calcolata partendo dalla pressione verticale prodotta dal sovraccarico agente sul rinterro, senza il coefficiente di incremento dinamico e con una lunghezza di diffusione longitudinale $B_{l,1}$, moltiplicata per il coefficiente di spinta a riposo.
I valori della spinta uniforme agente sui piedritti per entrambe le opere vale pertanto
s03 = [(178.58 x 1.1) / B_t]x K_0 = 20.38 kN/m^2

5.3.3. Frenatura e avviamento (ENV-FREN/AVV)

I valori caratteristici della forza massima di frenatura e avviamento valgono:

- Avviamento LM71 33 x 1.1 = 36.3 kN/m
- Frenatura SW2 35 x 1.0 = 35 kN/m

Essendo tali azioni paragonabili, si considera una sola condizione di carico pari al valore massimo, e la si combina con gli effetti prodotti dalle azioni verticali e le spinte prodotte dal sovraccarico verticale (Q-ENV)
La forza massima agente su una striscia di 1m, considerando la larghezza di diffusione trasversale Bt vale:
Q3 = 36.3 / Bt x (1/cosα) = 9.87 kN/m
L’azione longitudinale viene applicata al modello di calcolo attraverso la condizione di carico elementare ql=1

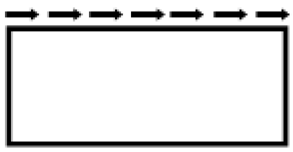


Figura 9 – azione elementare trasversale – ql=1

Per considerare il doppio verso dell’azione longitudinale, si utilizza la combinazione “ABSOLUTE ADD” prevista dal programma di calcolo, che considera alternativamente la stessa azione secondo i due versi opposti.

5.3.4. Centrifuga e serpeggio (Q4)

Tali azioni, agenti in direzione ortogonale al binario, quindi in direzione parallela all’asse longitudinale dello scatolare, possono essere trascurate.

5.4. Gruppi di carico

In definitiva, le azioni prodotte dal traffico ferroviario, vengono considerate nei seguenti gruppi di carico, come indicato dalle Istruzioni ferroviarie

Tabella 5.2.IV - *Valutazione dei carichi da traffico*

TIPO DI CARICO	Azioni verticali		Azioni orizzontali			Commenti
Gruppo di carico	Carico verticale (1)	Treno scarico	Frenatura e avviamento	Centrifuga	Serpeggio	
Gruppo 1 (2)	1,00	-	0,5 (0,0)	1,0 (0,0)	1,0 (0,0)	massima azione verticale e laterale
Gruppo.2 (2)	-	1,00	0,00	1,0 (0,0)	1,0(0,0)	stabilità laterale
Gruppo 3 (2)	1,0 (0,5)	-	1,00	0,5 (0,0)	0,5 (0,0)	massima azione longitudinale
Gruppo 4	0,8 (0,6; 0,4)	-	0,8 (0,6; 0,4)	0,8 (0,6; 0,4)	0,8 (0,6; 0,4)	fessurazione

Azione dominante
(1) Includendo tutti i fattori ad essi relativi (Φ, α, ecc.)
(2) La simultaneità di due o tre valori caratteristici interi (assunzione di diversi coefficienti pari ad 1), sebbene improbabile, è stata considerata come semplificazione per i gruppi di carico 1, 2, 3 senza che ciò abbia significative conseguenze progettuali.

I valori fra parentesi indicati nella Tab. 5.2.IV vanno assunti quando l'azione risulta favorevole nei riguardi della verifica che si sta svolgendo.

Il gruppo 4 è da considerarsi esclusivamente per le verifiche a fessurazione. I valori indicati fra parentesi si assumeranno pari a: (0,6) per impalcati con 2 binari caricati e (0,4) per impalcati con tre o più binari caricati."

TABLE: Combination Definitions

ComboName	ComboType	CaseName	ScaleFactor
Text	Text	Text	Unitless
ENV-TRAFF-gr.3	Linear Add	Q-ENV	1
ENV-TRAFF-gr.3		FRENAVV-ENV	1
ENV-TRAFF-gr.4	Linear Add	Q-ENV	0.8
ENV-TRAFF-gr.4		FRENAVV-ENV	0.8

5.5. Azioni termiche (ENV-TERMICA)

Alla soletta superiore si applica una variazione termica uniforme pari a $\Delta t = \pm 15°$ C ed una variazione nello spessore tra estradosso ed intradosso pari a $\Delta t = \pm 5°$ C.

Le due condizioni elementari si considerano agenti singolarmente e simultaneamente, combinandole con opportuni coefficienti.

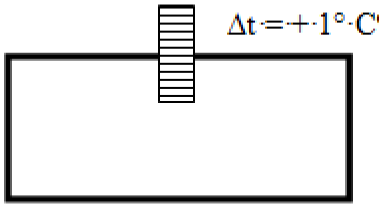


Figura 10 – azione elementare trasversale – DTuni=1

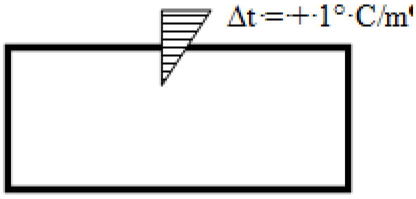


Figura 11 – azione elementare trasversale – DTdiff=1

- DT uni 15°C con ComboType = Abs Add
- DT diff (5°C/m) / (sp. Soletta sup.) = 5 / 0.9 = 5.6 °C

5.6. Ritiro (ENV-RITIRO)

5.6.1. Ritiro Manufatto idraulico

Il ritiro si considera agente sulla sola soletta. Si applica un'azione termica equivalente pari a -8 °C con il modulo ridotto di 1/3.

Dati di input:

Età in giorni al momento considerato	t =	10000000.00	gg
Età in giorni dall'inizio dell'essiccamento (fine maturazione)	t_s =	2	gg
Umidità relativa in percentuale	RH =	80	%

Ritiro per essiccamento, ε_{cd}

Parametri e calcolo:

Dimensione fittizia dell'elemento	h_0 =	782.6	mm
Coefficiente	$\beta_{ds}(t,t_s) = (t-t_s)/[(t-t_s)+0.04*(h_0^3)$^0.5] =	1.0	
Coefficiente che dipende da h_0	K_h =	0.7	
Resistenza media del cls	f_{cm} =	38	Mpa
Resistenza di riferimento	f_{cm} o =	10	Mpa
Coefficienti dipendenti dal tipo di cls	α_{ds1} =	4	
	α_{ds2} =	0.12	
Coefficiente dipendente dall'umidità relativa	β_{RH} =	0.76	
Deformazione di base dovuta al ritiro per essiccamento	ε_{cd0} =	0.00026895	
Deformazione totale da ritiro	$\varepsilon_{cd}(t) = \beta_{ds}(t,t_s)*k_h*\varepsilon_{cd0}$ =	**0.00018825**	

Dove:

ε_{cd0} = 0.85*[(220+110*α_{ds1})*e^(-α_{ds2}*(f_{cm}/10)]*10^(-6)*β_{RH}

b_{RH} = 1.55[1-(RH/100)^3]

Ritiro autogeno, $\varepsilon_{ca}(t)$

Parametri e calcolo:

Coefficiente per il calcolo ritiro autogeno	$\beta_{sa}(t)$ = 1 -e^(-0.2*t^0.5) =	1
Deformazione da ritiro al tempo t	$\varepsilon_{ca}(t) = \beta_{as}(t)*\varepsilon_{ca}(\infty)$ =	**0.00005**
Deformazione da ritiro autogeno a tempo infinito	$\varepsilon_{ca}(\infty)=2.5*(f_{ck}-10)*10^{-6}$=	0.00005
Ritiro totale	$\varepsilon_{cs}(t) = \varepsilon_{cd} + \varepsilon_{ca}$ =	**0.00023825**

Ricordando che $\varepsilon_{cs}(t) = \alpha * \Delta T$

Si ottiene $\Delta T = \varepsilon_{cs}(t) / \alpha =$ 23.8°C

Nel rispetto della normativa FS vigente, trattandosi di un fenomeno lento, l'effetto del ritiro si determina considerando un valore convenzionale del modulo di elasticità pari a E/3. Pertanto si considera un valore DT equivalente pari a DT/3.

ΔT=7.94°C.

5.7. Azioni sismiche

Per il calcolo dell'azione sismica si utilizza il metodo dell'analisi pseudostatica in cui l'azione sismica è rappresentata da una forza statica equivalente pari al prodotto delle forze di gravità per un opportuno coefficiente sismico k. Le forze sismiche sono pertanto le seguenti:

Forza sismica orizzontale $F_h = k_h * W$

Forza sismica verticale $F_v = k_v * W$

I valori dei coefficienti sismici orizzontale k_h e verticale k_v possono essere valutati mediante le espressioni:

$k_h = a_{max}/g$

$k_v = \pm 0,5 \times k_h$

Con riferimento alla nuova classificazione sismica del territorio nazionale, ai fini del calcolo dell'azione sismica secondo il DM 14/01/2008, viene assegnata all'opera una vita nominale V_N = 100 anni ed una **III** classe d'uso C_u =1.5; segue un periodo di riferimento $V_R=V_N*C_U$ =150 anni

A seguito di tale assunzione si ottiene allo stato limite ultimo SLV, in funzione della Latitudine e Longitudine del sito in esame un valore dell'accelerazione pari a:

LONG	LAT	a_g
11.045765	45.429240	**0.232**

I parametri sismici sono calcolati con riferimento all'allegato A delle NTC 2008, il quale fa riferimento alle mappe di pericolosità sismiche fornite dall' Istituto Nazionale di Geofisica e Vulcanologia (INGV)

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

$a_{max} = S * a_g = S_s * S_t * a_g$

dove:

S_s=1.36 Coefficiente di amplificazione stratigrafica, per Terreno C

S_T=1 Coefficiente di amplificazione topografica, per categoria 1

ne deriva che:

$a_{max} \approx$ **0.316** g

$k_h = a_{max}/g$ = 0.316

$k_v = \pm 0,5 \times k_h$ = 0.158

Gli effetti dell'azione sismica saranno valutati tenendo conto delle masse associate ai seguenti carichi gravitazionali:

$G_1 + G_2 + \psi_{2j} Q_{kj}$

Dove nel caso specifico si assumerà per i carichi dovuti al transito dei convogli ferroviari ψ_{2j} = 0.2

Pertanto avremo che:

<u>SismaH</u>

Forza orizzontale sulla soletta di copertura totale:

F_{h1}= ($P_{ss} + G_{2,sup} + G_{2,sup,b}$ + 0.2 x q1) k_h :

$F_{h1,Tombino}$= 15.31 kN/m

$F_{h1,Opera\ di\ scavalco}$= 31.31 kN/m

Forza Orizzontale sui Piedritti:

F_{h2}= P_p x k_h :

$F_{h2,Tombino}$= 7.09 kN/m

$F_{h2,Opera\ di\ scavalco}$ = 9.48 kN/m

<u>SismaV</u>

Per la forza sismica verticale avremo analogamente:

Forza verticale sulla soletta di copertura:

$F_v = (P_{ss} + G_{2,sup} + G_{2,sup,b} + 0.2 \times q1)\ k_v$:
$F_{v,Tombino}$= 7.65 kN/m
$F_{v,Opera\ di\ scavalco}$= 15.66 kN/m

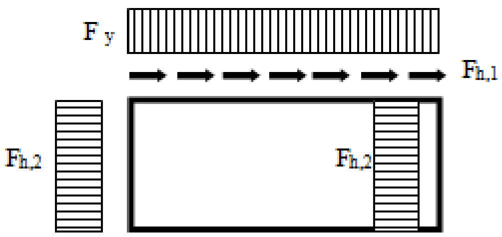


Figura 12 – Forze sismiche agenti sulla struttura

5.7.1. Sovraspinta sismica terreno

Le spinte delle terre potranno essere determinate secondo la teoria di Wood, secondo la quale la risultante dell'incremento di spinta per effetto del sisma su una parete di altezza H, viene determinato con la seguente espressione:

$\Delta S_E = (a_{max}/g) * \gamma * H_{tot}^2$

Tale risultante, applicata ad un'altezza pari ad $H_{tot}/2$, sarà considerata agente su uno solo dei piedritti dell'opera.

$\Delta S_{E,\ Tombino}$ = 0.316 x 20 x 6.90^2 = 300.43 kN/m
$\Delta S_{E,\ Opera\ di\ scavalco}$ = 0.316 x 20 x 3.30^2 = 68.82 kN/m

Figura 13 – Spinta sismica del terreno secondo la teoria di Wood

Nel modello di calcolo, viene applicato il valore della sovraspinta sismica per unità di altezza agente su un piedritto pari a:

Sovraspinta sismica:
$\Delta S_{E,Tombino} / H_{tot}$ = 43.54 kN/m/m
$\Delta S_{E,Opera\ di\ scavalco} / H_{tot}$ = 20.85 kN/m/m

6. COMBINAZIONI DI CARICO

Ai fini delle verifiche degli stati limite si riportano le combinazioni delle azioni elencate al punto 1.8.3 della Istruzione ferroviaria, la quale riporta integralmente quanto scritto nelle NTC 2008:

Si richiama integralmente il cap. 2 e i paragrafi 4.1, 4.2 e 4.3 del DM 14.1.2008, e si riportano nel seguito le combinazioni delle azioni da utilizzare.

– Combinazione fondamentale, generalmente impiegata per gli stati limite ultimi (SLU):

$$\gamma_{G1} \cdot G_1 + \gamma_{G2} \cdot G_2 + \gamma_P \cdot P + \gamma_{Q1} \cdot Q_{k1} + \gamma_{Q2} \cdot \psi_{02} \cdot Q_{k2} + \gamma_{Q3} \cdot \psi_{03} \cdot Q_{k3} + \ldots \qquad (2.5.1)$$

– Combinazione caratteristica (rara), generalmente impiegata per gli stati limite di esercizio (SLE) irreversibili, da utilizzarsi nelle verifiche alle tensioni ammissibili di cui al § 2.7:

$$G_1 + G_2 + P + Q_{k1} + \psi_{02} \cdot Q_{k2} + \psi_{03} \cdot Q_{k3} + \ldots \qquad (2.5.2)$$

– Combinazione frequente, generalmente impiegata per gli stati limite di esercizio (SLE) reversibili:

$$G_1 + G_2 + P + \psi_{11} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \ldots \qquad (2.5.3)$$

– Combinazione quasi permanente (SLE), generalmente impiegata per gli effetti a lungo termine:

$$G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \ldots \qquad (2.5.4)$$

– Combinazione sismica, impiegata per gli stati limite ultimi e di esercizio connessi all'azione sismica E (v. § 3.2):

$$E + G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \ldots \qquad (2.5.5)$$

– Combinazione eccezionale, impiegata per gli stati limite ultimi connessi alle azioni eccezionali di progetto A_d (v. § 3.6):

$$G_1 + G_2 + P + A_d + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \ldots \qquad (2.5.6)$$

Per la combinazione sismica si rimanda al punto 1.7 e all'Istruzione 44 B. I valori dei coefficienti ψ_{0i}, ψ_{1i}, ψ_{2i} indicati nella formula di combinazione precedente sono indicati nella tabella 5.2.VI e 5.2.VII riportate al paragrafo 1.8.3.2.

Per quanto riguarda l'azione sismica, si riporta il paragrafo 1.7 dell'Istruzione ferroviaria 44B.

1.7. COMBINAZIONE DELL'AZIONE SISMICA CON ALTRE AZIONI

La modalità di combinazione dell'azione sismica con le altre azioni è definita nel par. 3.2.4 del DM 14.1.2008 che si riporta nel seguito:

Nel caso delle costruzioni civili e industriali le verifiche agli stati limite ultimi o di esercizio devono essere effettuate per la combinazione dell'azione sismica con le altre azioni già fornita in § 2.5.3** (del D.M.) **e che qui si riporta:

$$G_1 + G_2 + P + E + \sum_j \psi_{2j} \cdot Q_{kj}$$

Gli effetti dell'azione sismica saranno valutati tenendo in conto delle masse indicate al precedente paragrafo 1.5.2.

Nel caso dei ponti, nelle espressioni precedenti si assumerà per i carichi dovuti al transito dei convogli $\psi_{2j} = 0.2$, quando rilevante.

In merito alle verifiche i coefficienti di combinazione ψ_2 da adottare nella combinazione sismica sono riportati nella tabella 5.2.VI e 5.2.VII del par. 5.2.3.3.2 del DM 14.1.2008. che, ad ogni buon conto si riportano integralmente:

Tabella 5.2.VI - *Coefficienti di combinazione ψ delle azioni.*

Azioni		ψ_0	ψ_1	ψ_2
Azioni singole da traffico	Carico sul rilevato a tergo delle spalle	0,80	0,50	0,0
	Azioni aerodinamiche generate dal transito dei convogli	0,80	0,50	0,0
Gruppi di carico	gr_1	0,80[2]	0,80[1]	0,0
	gr_2	0,80[2]	0,80[1]	-
	gr_3	0,80[2]	0,80[1]	0,0
	gr_4	1,00	1,00[1]	0,0
Azioni del vento	F_{Wk}	0,60	0,50	0,0
Azioni da neve	in fase di esecuzione	0,80	0,0	0,0
	SLU e SLE	0,0	0,0	0,0
Azioni termiche	T_k	0,60	0,60	0,50

(1) 0,80 se è carico solo un binario, 0,60 se sono carichi due binari e 0,40 se sono carichi tre o più binari.
(2) Quando come azione di base venga assunta quella del vento, i coefficienti ψ_0 relativi ai gruppi di carico delle azioni da traffico vanno assunti pari a 0,0.

Tabella 5.2.VII - *Ulteriori coefficienti di combinazione ψ delle azioni.*

	Azioni	ψ_0	ψ_1	ψ_2
Azioni singole da traffico	Treno di carico LM 71	$0{,}80^{(3)}$	(1)	0,0
	Treno di carico SW /0	$0{,}80^{(3)}$	0,80	0,0
	Treno di carico SW/2	$0{,}0^{(3)}$	0,80	0,0
	Treno scarico	$1{,}00^{(3)}$	-	-
	Centrifuga	(2) (3)	(2)	(2)
	Azione laterale (serpeggio)	$1{,}00^{(3)}$	0,80	0,0

(1) 0,80 se è carico solo un binario, 0,60 se sono carichi due binari e 0,40 se sono carichi tre o più binari.
(2) Si usano gli stessi coefficienti ψ adottati per i carichi che provocano dette azioni.
(3) Quando come azione di base venga assunta quella del vento, i coefficienti ψ_0 relativi ai gruppi di carico delle azioni da traffico vanno assunti pari a 0,0.

I gruppi di carico di cui alla tabella 5.2.IV del par. 5.2.3.1.3 del DM 14.1.2008, da considerare sono il Gruppo 1 e il Gruppo 3.

Tabella 5.2.IV - *Valutazione dei carichi da traffico*

TIPO DI CARICO	Azioni verticali		Azioni orizzontali			Commenti
Gruppo di carico	Carico verticale (1)	Treno scarico	Frenatura e avviamento	Centrifuga	Serpeggio	
Gruppo 1 (2)	1,00	-	0,5 (0,0)	1,0 (0,0)	1,0 (0,0)	massima azione verticale e laterale
Gruppo.2 (2)	-	1,00	0,00	1,0 (0,0)	1,0(0,0)	stabilità laterale
Gruppo 3 (2)	1,0 (0,5)	-	1,00	0,5 (0,0)	0,5 (0,0)	massima azione longitudinale
Gruppo 4	0,8 (0,6; 0,4)	-	0,8 (0,6; 0,4)	0,8 (0,6; 0,4)	0,8 (0,6; 0,4)	fessurazione

Azione dominante
(1) Includendo tutti i fattori ad essi relativi (Φ,α, ecc.)
(2) La simultaneità di due o tre valori caratteristici interi (assunzione di diversi coefficienti pari ad 1), sebbene improbabile, è stata considerata come semplificazione per i gruppi di carico 1, 2, 3 senza che ciò abbia significative conseguenze progettuali.

I valori fra parentesi indicati nella Tab. 5.2.IV vanno assunti quando l'azione risulta favorevole nei riguardi della verifica che si sta svolgendo.

Il gruppo 4 è da considerarsi esclusivamente per le verifiche a fessurazione. I valori indicati fra parentesi si assumeranno pari a: (0,6) per impalcati con 2 binari caricati e (0,4) per impalcati con tre o più binari caricati."

Le azioni agenti sulla struttura considerate vengono di seguito richiamate con il loro nome:

PESI PROPRI	G1
PERMANENTI NON STRUTTURALI	G2
BALLAST	G2b
INVILUPPO DELLE SPINTE PERMANENTI	ENV-SP
TRAFFICO FERROVIARIO COMPRENSIVO DI SPINTE ACCIDENTALI – gr.3	ENV-TRAFF gr.3
TRAFFICO FERROVIARIO COMPRENSIVO DI SPINTE ACCIDENTALI – gr.4 (PER FESSURAZIONE)	ENV-TRAFF gr.4
TERMICA	ENV-TERMICA
RITIRO	ENV-RITIRO

6.1.1. Combinazione fondamentale SLU STRUTTURALE

	STR.SLU-1	STR.SLU-2	STR.SLU-3	STR.SLU-4
G1	1.35	1.35	1	1
G2	1.35	1.35	1	1
G2b	1.5	1.5	1	1
ENV-SP	1.35	1.35	1.35	1.35
ENV-TRAFF gr.3	1.45	1.16	1.45	1.16
ENV-TRAFF gr.4	0	0	0	0
ENV-TERMICA	0.9	1.5	0.9	1.5
ENV-RITIRO	1	1	1	1

6.1.2. Combinazione SLE RARA

	SLE.RARA-1	SLE.RARA-2	SLE.RARA FESS
G1	1	1	1
G2	1	1	1
G2b	1	1	1
ENV-SP	1	1	1
ENV-TRAFF gr.3	1	0.8	0
ENV-TRAFF gr.4	0	0	1
ENV-TERMICA	0.6	1	1
ENV-RITIRO	1	1	1

6.1.3. Combinazione SLE FREQUENTE

	SLE.FREQ-1	SLE.FREQ-2
G1	1	1
G2	1	1
G2b	1	1
ENV-SP	1	1
ENV-TRAFF gr.3	0.6	0
ENV-TRAFF gr.4	0	0
ENV-TERMICA	0.5	0.6
ENV-RITIRO	1	1

6.1.4. Combinazione SLE QUASI PERMANENTE

	SLE.Q.P-1
G1	1
G2	1
G2b	1
ENV-SP	1
ENV-TRAFF gr.3	0
ENV-TRAFF gr.4	0
ENV-TERMICA	0.5
ENV-RITIRO	1

6.1.5. Combinazione SISMICA

	ENV-SISMICA
G1	1
G2	1
G2b	1
ENV-SP	1
ENV-TRAFF gr.3	0.2
ENV-TRAFF gr.4	0
ENV-TERMICA	0.5
ENV-RITIRO	1
ENV-SISMA	1

TABLE: Combination Definitions

ComboName	ComboType	CaseType	CaseName	ScaleFactor
Text	Text	Text	Text	Text
ENV-STR.SLU	Envelope	Response Combo	STR.SLU-1	1
ENV-STR.SLU		Response Combo	STR.SLU-2	1
ENV-STR.SLU		Response Combo	STR.SLU-3	1
ENV-STR.SLU		Response Combo	STR.SLU-4	1
ENV-SLE.RARA	Envelope	Response Combo	SLE.RARA-1	1
ENV-SLE.RARA		Response Combo	SLE.RARA-2	1
ENV-SLE.RARA.FESS	Envelope	Response Combo	SLE.RARA FESS	1
ENV-SLE.FREQ	Envelope	Response Combo	SLE.FREQ-1	1
ENV-SLE.FREQ		Response Combo	SLE.FREQ-2	1
ENV-SLE.QP	Envelope	Response Combo	SLE.Q.P-1	1

7. MODELLO DI CALCOLO

7.1. Modello di calcolo Tombino

Il modello di calcolo attraverso il quale viene schematizzata la struttura è quello del telaio chiuso su letto di molle alla Winkler, realizzato mediante il programma di calcolo SAP2000, rappresentante una striscia di carico unitaria di manufatto su cui agiscono i carichi definiti nel paragrafo “Analisi dei Carichi”.
Per il coefficiente di sottofondo, sono stati utilizzati in forma cautelativa i seguenti valori
Coefficiente di sottofondo orizzontale $k_h = 10000\ kN/m^3$
Coefficiente di sottofondo verticale $k_v = 2*k_h = 20000\ kN/m^3$
L’interazione terreno struttura viene considerata assegnando ad ogni molla la rigidezza relativa alla sua area di afferenza.

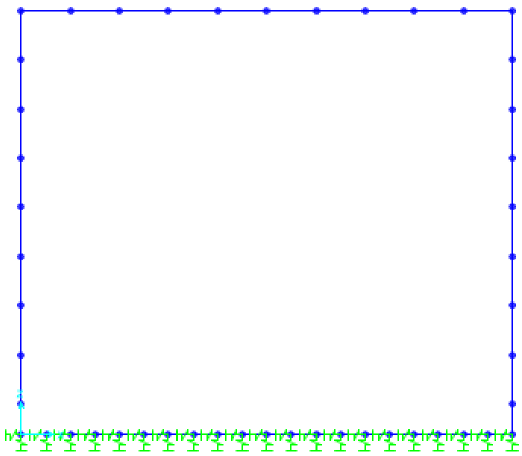


Figura 14 – Modello di calcolo

7.2. Codice di calcolo – rispetto del capitolo 10.2 delle NTC08

L'analisi della struttura scatolare è stata condotta con un programma agli elementi finiti schematizzando i vari setti con elementi mutuamente incastrati e facendo riferimento ad una larghezza unitaria di struttura che viene pertanto risolta come struttura piana.

7.2.1. Tipo di analisi svolta

Trattandosi di opera interrata di tipo rigido la determinazione delle sollecitazioni sia in campo statico che in campo sismico è stata svolta mediante analisi statica lineare secondo le teorie classiche della Scienza delle Costruzioni, trascurando le eventuali capacità dissipative della struttura (q=1) e sfruttando il principio di sovrapposizione degli effetti.
L'analisi strutturale è stata svolta mediante un codice di calcolo FEM attraverso la modellazione con elementi di tipo "beam" a 2 nodi con 6 g.d.l.. Il metodo FEM sfrutta l'analisi di calcolo matriciale mediante costruzione della matrice di rigidezza della struttura. Le sollecitazioni ottenute per ciascun caso di carico vengono combinate tra loro mediante gli opportuni coefficienti di combinazione previsti dalla normativa secondo il principio di sovrapposizione degli effetti.
La verifica delle sezioni è stata svolta mediante calcolo dei valori di sollecitazione resistente allo SLU e mediante determinazione delle tensioni sui materiali o dell'ampiezza delle fessure per le verifiche agli SLE. Le operazioni di calcolo dei valori resistenti sono sviluppate mediante metodo analitico con l'ausilio di fogli di calcolo autoprodotti per automatizzare la procedura.
Le combinazioni di carico considerate per ciascuno stato limite sono riportate in forma tabellare nei capitoli specifici.

7.2.2. Origine e caratteristiche dei codici di calcolo

Per la determinazione delle sollecitazioni è stato impiegato il software FEM denominato SAP2000, prodotto dalla Computer e Structure inc. e distribuito dalla CSI Italia srl.

7.2.3. Affidabilità dei codici utilizzati

Riguardo il codice FEM impiegato, la casa produttrice ha provveduto alla produzione di tutti i documenti di validazione del software che non sono allegati alla presente relazione di calcolo per ragioni di sintesi, ma che possono essere forniti in qualsiasi momento o richiesti direttamente alla casa produttrice.

7.2.4. Informazioni generali sull'elaborazione

Sono stati eseguiti i seguenti controlli relativi al calcolo svolto mediante software FEM:
- verifica analitica della risultante dei carichi applicati al modello;
- verifica a vista della rispondenza dei diagrammi di momento flettente e delle deformate con i carichi applicati;
- verifica analitica dei valori di sollecitazione mediante combinazione dei carichi elementari.

7.2.5. Giudizio motivato di accettabilità dei risultati

Data la semplicità dello schema di calcolo e l'impiego di una modellazione FEM con 6 g.d.l., i risultati numerici svolti portano a risultati perfettamente rispondenti al medesimo calcolo svolto con linea elastica indipendentemente dalla geometria o dal numero di elementi impiegati per la modellazione. Si escludono pertanto errori di calcolo legati al metodo numerico.
Le verifiche svolte in corso di analisi, riassunte precedentemente, consentono l'individuazione di eventuali errori grossolani di modellazione geometrica o di modellazione, applicazione e combinazione dei carichi.
Le verifiche strutturali svolte in via analitica secondo la formulazione classiche della Scienza delle Costruzioni, escludono la possibilità di errori numerici di calcolo.

8. VERIFICHE

Le verifiche vengono eseguite considerando i seguenti Stati Limite:

- STATI LIMITE ULTIMI
  - Resistenza per flessione e/o pressoflessione delle membrature
  - Resistenza per taglio delle membrature
- STATI LIMITE DI ESERCIZIO
  - Stato limite di apertura delle fessure
  - Tensioni massime in esercizio

Le verifiche a taglio vengono condotte nella sezioni di attacco soletta-piedritto, ritto-fondazione, etc…, mentre le verifiche a pressoflessione vengono condotte nelle sezioni poste a distanza s/4 dai nodi del modello.
Le verifica di resistenza vengono condotte a presso-flessione semplice, considerando il momento flettente massimo e lo sforzo normale congruente associato.
Per le verifiche di tutte le sezioni, viene assunto un copriferro minimo di 5cm. Tale assunzione deriva dalle indicazioni della tabella riportata al par. 2.2.3.2 del documento RFI-DTC-INC-PO SP IFS 001 A - Istruzione per la progettazione e l'esecuzione di ponti ferroviari, la quale indica, per le fondazioni e per le opere in elevazione, un copriferro minimo di 4cm, e impone di aumentare tale valore di 1cm per opere che ricadono nelle condizioni aggressive, come la presente struttura.
Il conseguente copriferro di calcolo è poi funzione del diametro dei ferri ripartitori, esterni all'armatura di forza, e del diametro dell'armatura di forza. Come ripartitori si assume un diametro ϕ 12.
Nel seguito vengono riportati i diagrammi di sollecitazione relativi alle combinazioni di carico considerate.

8.1. Stato limite ultimo – resistenza per flessione e/o pressoflessione

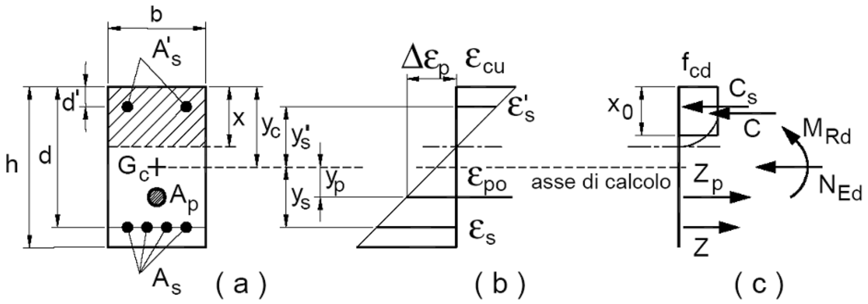
4.1.2.1.2.4 Analisi della sezione

Con riferimento alla sezione pressoinflessa, rappresentata in Fig. 4.1.3 assieme ai diagrammi di deformazione e di sforzo così come dedotti dalle ipotesi e dai modelli $\sigma-\varepsilon$ di cui nei punti precedenti, la verifica di resistenza (SLU) si esegue controllando che:

$$M_{Rd} = M_{Rd}(N_{Ed}) \geq M_{Ed} \qquad (4.1.9)$$

dove

M_{Rd} è il valore di calcolo del momento resistente corrispondente a N_{Ed};
N_{Ed} è il valore di calcolo della componente assiale (sforzo normale) dell'azione;
M_{Ed} è il valore di calcolo della componente flettente dell'azione.



8.2. Stato limite apertura delle fessure

Le verifiche a fessurazione vengono condotte con riferimento al punto 4.1.2.2.4 delle NTC, tenendo presenti le integrazioni richieste dalla Istruzione ferroviaria al punto 1.8.3.2.4 (di seguito richiamate). L'apertura convenzionale delle fessure viene calcolata con la combinazione SLE RARA.
Le condizioni di ogni sezione di calcolo sono:

- Armatura poco sensibile
- Ambiente aggressivo

<u>**Stato limite di apertura delle fessure**</u>

L'apertura convenzionale delle fessure, calcolata con la combinazione caratteristica (rara) per gli SLE, dovrà risultare:

a) $\delta_f \leq w_1$ per strutture in condizioni ambientali aggressive e molto aggressive, così come identificate nel par. 4.1.2.2.4.3 del DM 14.1.2008, per tutte le strutture a permanente contatto con il terreno e per tutte le zone non ispezionabili;

b) $\delta_f \leq w_2$ per strutture in condizioni ambientali ordinarie secondo il citato paragrafo del DM 14.1.2008.

Il valore limite di apertura delle fessure vale pertanto:

- Armature esterne $w_{lim} = w_1 = 0.200$ mm
- Armature interne $w_{lim} = w_1 = 0.200$ mm

8.3. Stato limite apertura delle fessure

Le limitazioni tensionali imposte dall'Istruzione Ferroviaria al punto 1.8.3.2.1, sono:

Resistenza dei materiali			
Classe di resistenza di calcolo	f_{ck}	30	MPa
tensione di snervamento acciaio per c.a.	f_{yk}	450	MPa
Valori limite delle tensioni			
Tensioni di compressione nel calcestruzzo			
- per combinazione di carico rara	$0.55 \cdot f_{ck}$	16.5	MPa
- per combinazione di carico q.p.	$0.40 \cdot f_{ck}$	12.0	MPa
Tensioni di trazione nell'acciaio			
- per combinazione di carico rara	$0.75 \cdot f_{yk}$	337.5	MPa

8.4. Sollecitazioni di calcolo

8.4.1. Sollecitazioni di calcolo Tombino

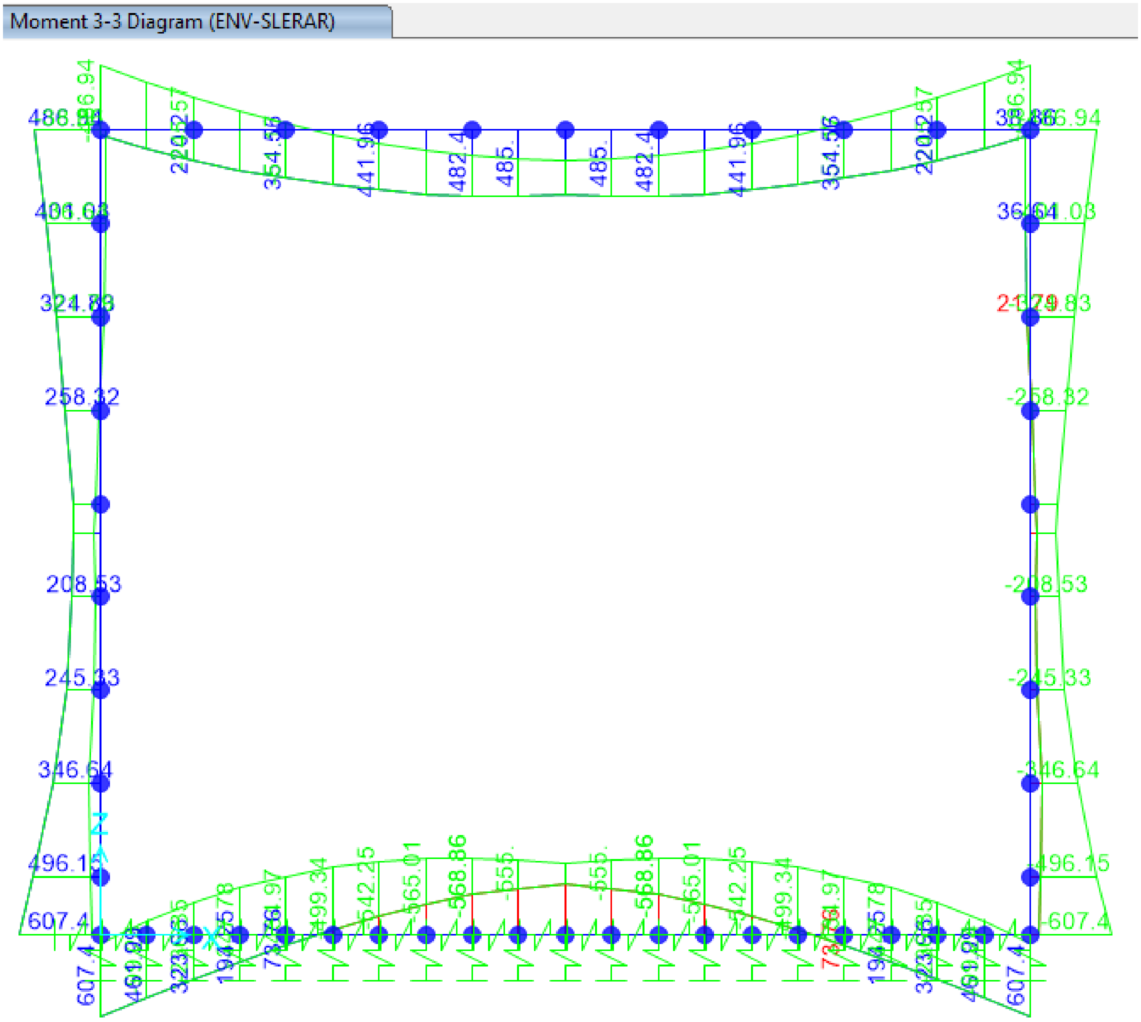


Figura 15 – Momento flettente – comb. ENV - SLE.RARA

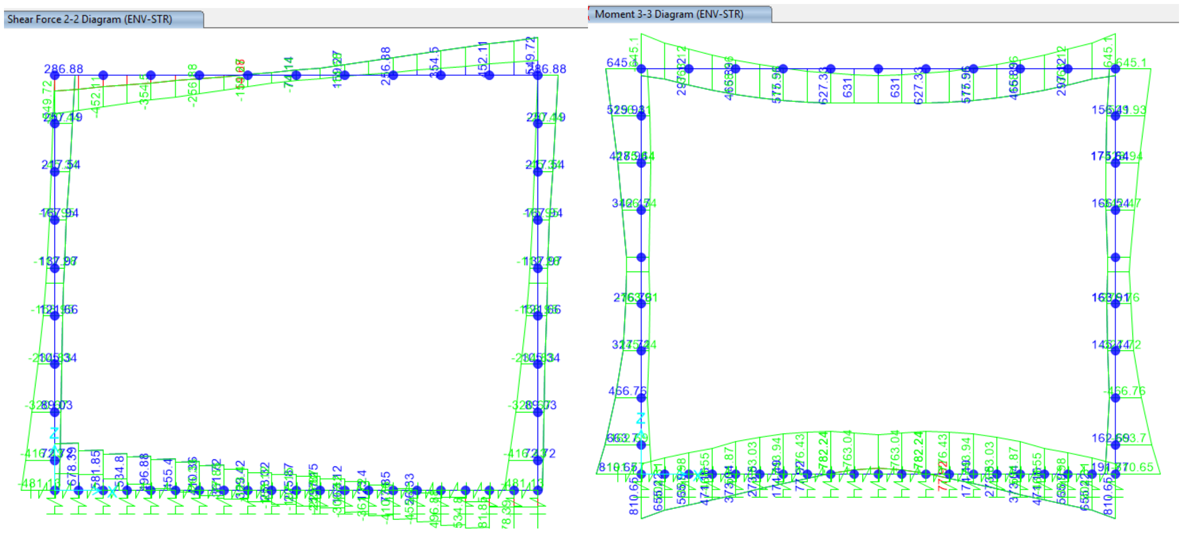


Figura 16 – Taglio e momento flettente – comb. ENV - STR.SLU

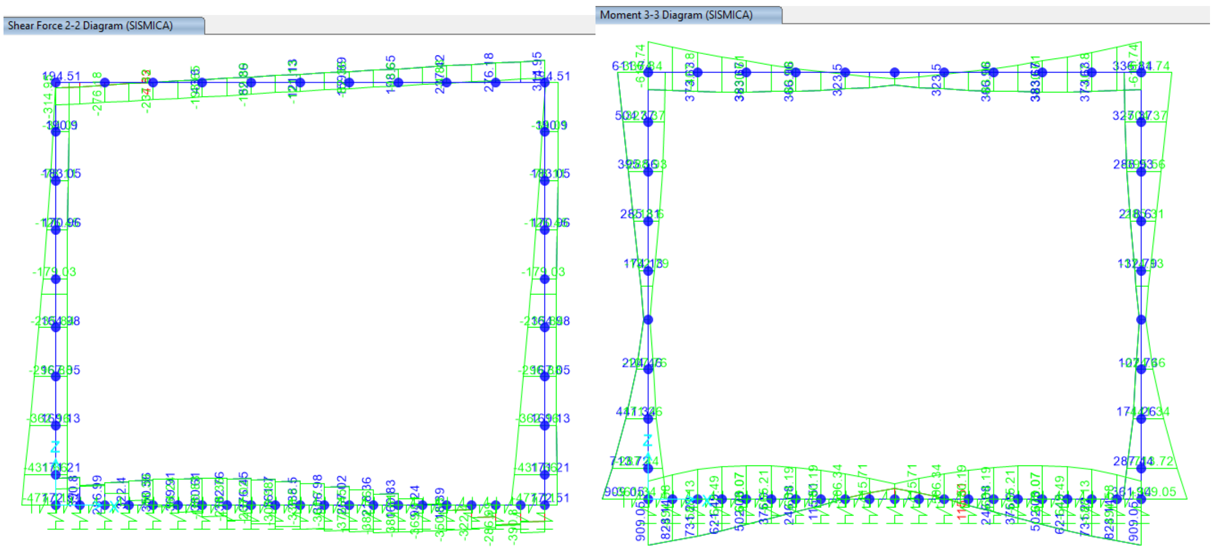
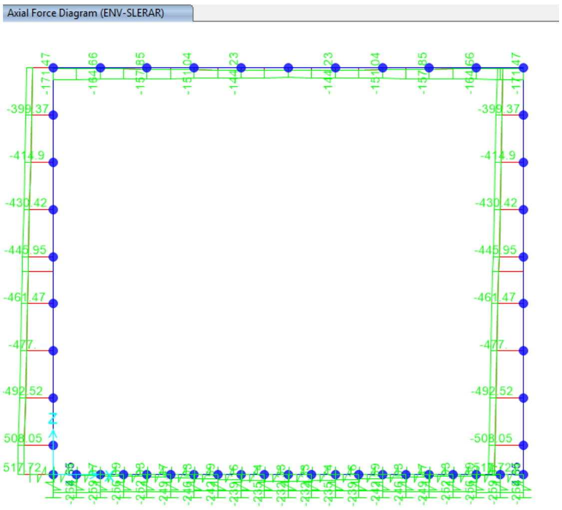


Figura 17 – Taglio e momento flettente – comb. ENV - STR.SISMICA



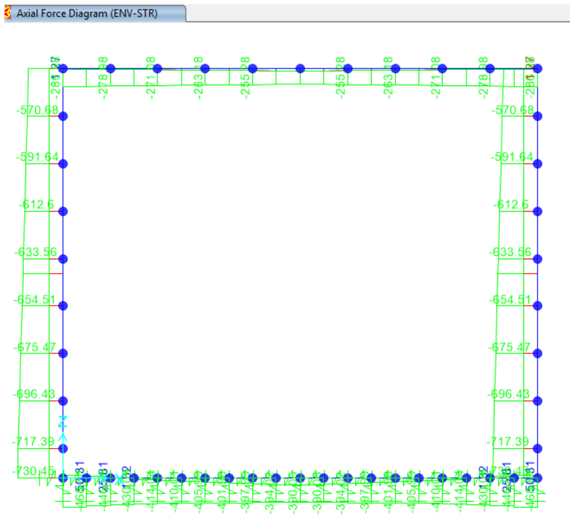


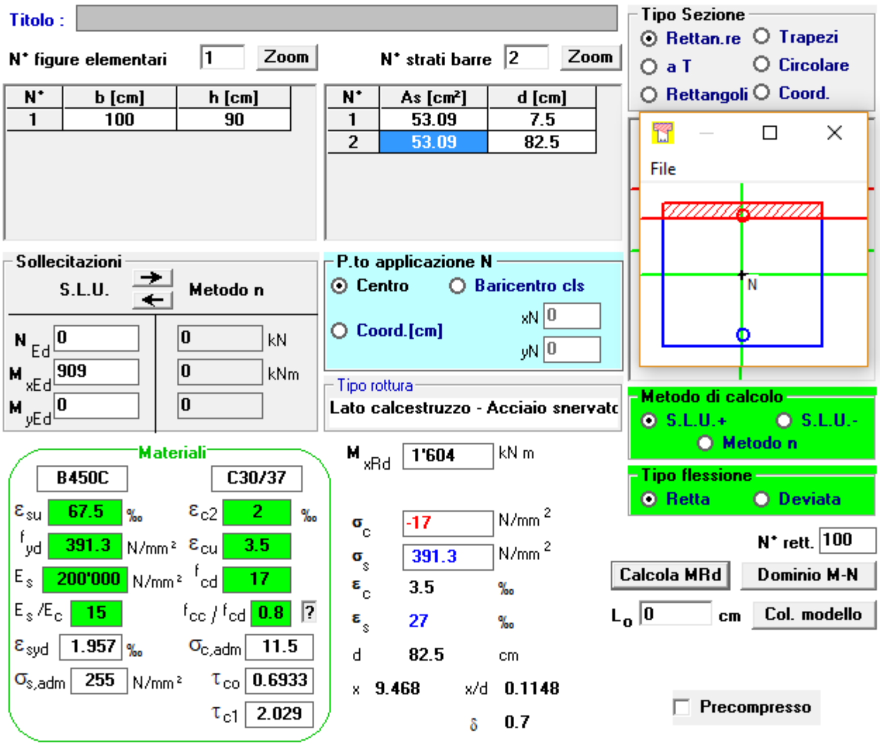
Figura 18 – Sforzo normale – comb. ENV - SLE.RARA e ENV – STR.SLU

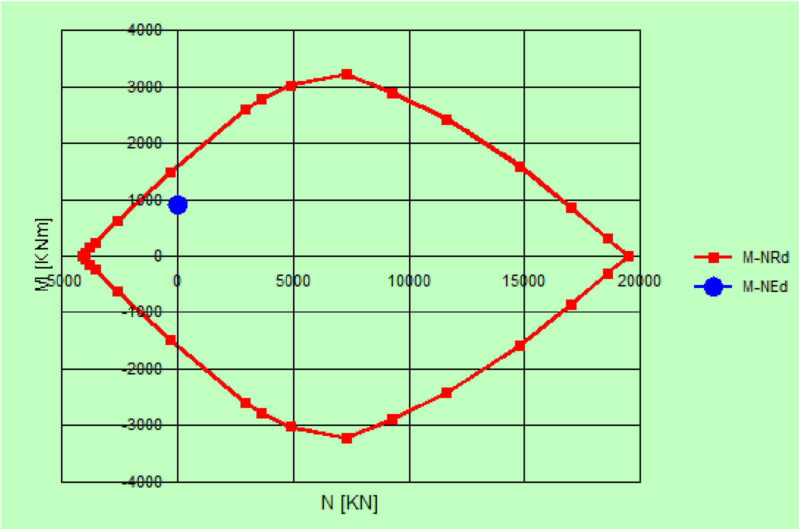
8.5. Verifiche Tombino

8.5.1. Verifica di sezione

Le sollecitazioni sono simili nelle varie sezioni. Si effettua un'unica verifica valida per tutto il tombino, che viene armato con ϕ26/10 interno/esterno.
La sezione in questione, maggiormente sollecitata con un momento agente Med=909 KNm, è la sezione di attacco tra piedritto e soletta superiore.
Il quantitativo di armatura inserito verifica con ragionevoli margini di sicurezza (non eccessivi). L'ampiezza delle fessure è 0.199mm < 0.200.

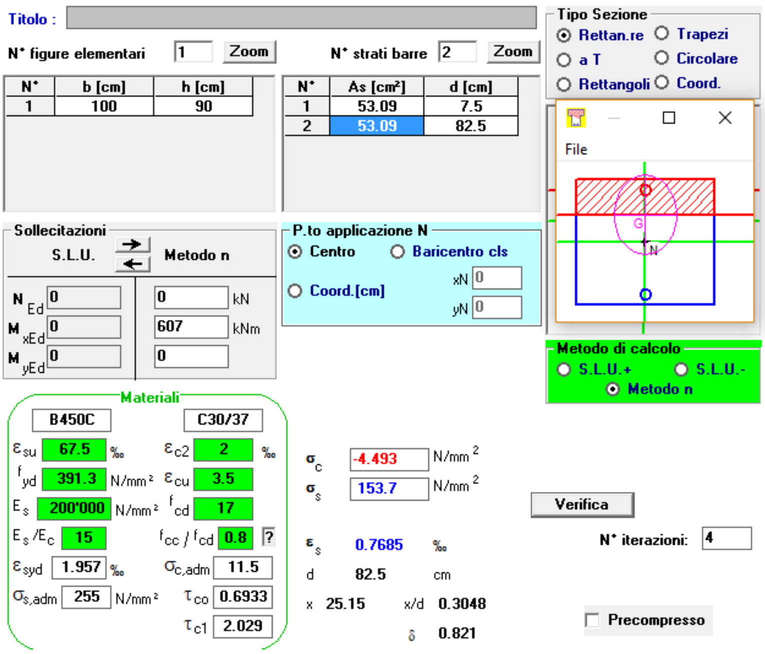
<u>Verifica a Flessione:</u>





Verifica SLE-Tensionale

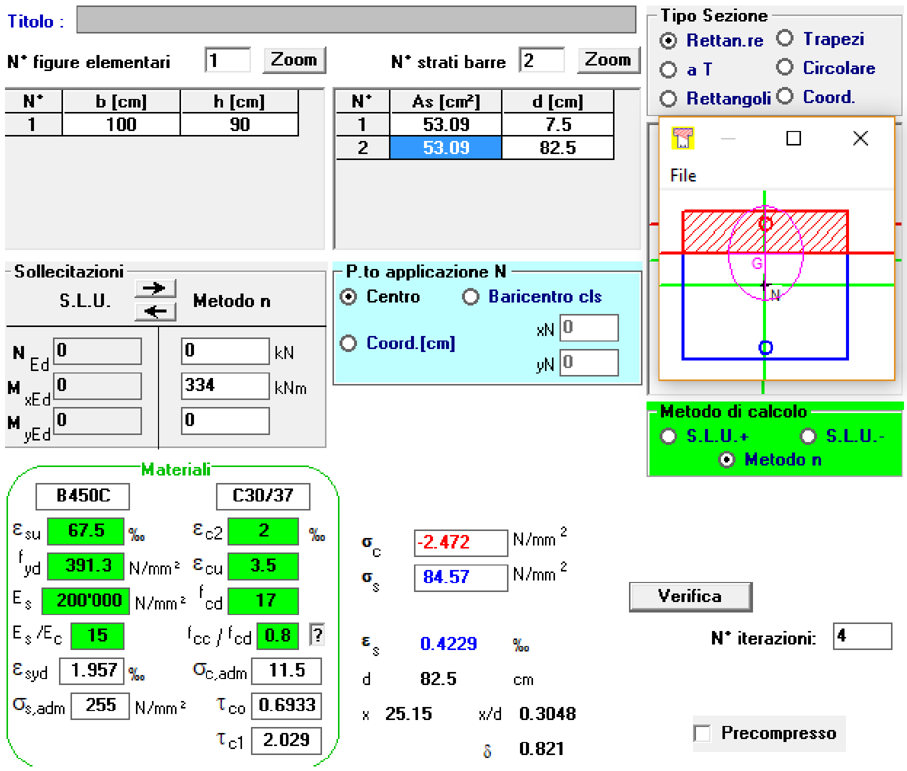
Caratteristica



$$\sigma_c = 4.49 \text{ [N/mm}^2\text{]} < \sigma_{c,lim} = 0.55 \cdot f_{ck} \text{ [MPa]} = 16.5 \text{ [N/mm}^2\text{]}$$

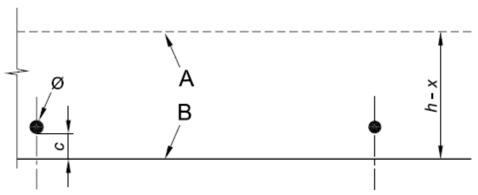
$$\sigma_s = 153.7 \text{ [N/mm}^2\text{]} < \sigma_{s,lim} = 0.75 \cdot f_{yk} \text{ [MPa]} = 337.5 \text{ [N/mm}^2\text{]}$$

Quasi Permanente



$$\sigma_c = 2.47\ [N/mm^2] < \sigma_{c,lim} = 0.40 \cdot f_{ck}\ [MPa] = 12.0\ [N/mm^2]$$

Verifica a fessurazione



STATO LIMITE DI APERTURA DELLE FESSURE - Rif. UNI EN 1992-1-1: 2005 Par.7.3

Geometria della sezione			
Altezza della sezione	h	900	[mm]
Larghezza della sezione	b	1000	[mm]
Altezza utile della sezione	d	838	[mm]
Ricoprimento dell'armatura	c	62	[mm]
Armatura tesa ordinaria			
Numero di ferri tesi presenti nella sezione	$n_{f.1}$	10	[-]
Diametro dei ferri tesi presenti nella sezione	$\phi_{f.1}$	26	[mm]
Area dei ferri tesi presenti nella sezione	$A_{sf.1}$	5309	[mm^2]
Armatura tesa di infittimento			
Numero di ferri tesi presenti nella sezione	$n_{f.2}$	0	[-]
Diametro dei ferri tesi presenti nella sezione	$\phi_{f.2}$	0	[mm]
Area dei ferri tesi presenti nella sezione	$A_{sf.2}$	0	[mm^2]
Caratteristiche dei materiali			
Resistenza caratteristica cilindrica dal calcestruzzo	f_{ck}	30	[MPa]
Resistenza a trazione media del calcestruzzo	f_{ctm}	2.90	[MPa]
Modulo di elasticità del calcestruzzo	E_{cm}	32837	[MPa]
Resistenza a snervamento dell'acciaio	f_{yk}	450	[MPa]
Modulo di elasticità dell'acciaio	E_s	200000	[MPa]

DETERMINAZIONE DELL'AMPIEZZA DELLE FESSURE

Tensione nell'armatura tesa considerando la sezione fessurata	$\square_s$	141.5	[MPa]
Asse neutro della sezione	x	251.5	[mm]
		Lunga	
Tipo e durata dei carichi applicati			
Coefficiente di omogeneizzazione	$\square_e$	6.09	[-]
Area totale delle armature presenti nella zona tesa	A_s	5309	[mm^2]
Area efficace tesa di calcestruzzo	$A_{c,eff.1}$	155000	[mm^2]
	$A_{c,eff.2}$	216167	[mm^2]
	$A_{c,eff.3}$	450000	[mm^2]
	$A_{c,eff.min}$	155000	[mm^2]
Rapporto tra l'area di acciaio teso e quella di calcestruzzo teso	$\rho_{p,eff}$	0.017	[-]
Resistenza efficace media del calcestruzzo	$f_{ct,eff}$	2.90	[MPa]
Fattore di durata del carico	k_t	0.4	[-]
Differenza tra la deformazione nell'acciaio e nel cls	$[\varepsilon_{sm}-\varepsilon_{cm}]_{min}$	0.000425	[-]

	$[\varepsilon_{sm}-\varepsilon_{cm}]_{calc.}$	0.000334	[-]
	$[\varepsilon_{sm}-\varepsilon_{cm}]$	0.000425	[-]
Spaziatura tra le barre (calcolata tra i baricentri dei ferri)	s	94.4	[mm]
Diametro equivalente delle barre	$\square_{eq}$	26	[mm]
Spaziatura massima di riferimento	$s_{max,rif}$	375	[mm]
Coefficienti k per il calcolo dell'ampiezza di fessurazione	k_1	0.8	[-]
	k_2	0.5	[-]
	k_3	3.4	[-]
	k_4	0.425	[-]
Distanza massima tra le fessure	$s_{r,max.1}$	469	[mm]
	$s_{r,max.2}$	843	[mm]
	$s_{r,max}$	469	[mm]
Ampiezza limite delle fessure per la combinazione di calcolo pertinente	$w_{k.lim}$	0.200	[mm]
Ampiezza delle fessure (di calcolo)	w_k	0.199	[mm]

Verifica a taglio

Si ha un taglio massimo di 678 kN in corrispondenza dell'attacco piedritto-soletta. La resistenza del cls non è sufficiente. Si inseriscono quindi 5 spille ϕ10/20.

	Descrizione (Parametro/Caratteristica)	Notazione (NTC 2008)	Formule (NTC 2008)	Unità	Valore
1	Taglio Agente	V_{ed}		kN	**678**
2	Sforzo Normale Agente	N_{ed}		kN	
3	Larghezza Sezione	B		mm	**1000**
4	Altezza Sezione	H		mm	**900**
5	Numero delle barre longitudinali	n		-	**10.0**
6	Diametro delle barre longitudinali	ϕ		mm	**26**
7	Copriferro delle barre longitudinali	c		mm	**62**
8	Numero delle barre trasversali a taglio	n_w		-	**5**
9	Diametro delle barre trasversali a taglio	ϕ_w		mm	**10**
10	Interasse delle barre trasversali a taglio	s_w		mm	**200**
11	Angolo barre trasversali - asse trave	α		°	**90**
12	Angolo bielle compresse - asse trave	θ		°	39.000
13	Resistenza caratteristica del calcestruzzo	f_{ck}		Mpa	**30**
14	Coefficiente di sicurezza sul calcestruzzo	γ_c		-	**1.5**
15	Coefficiente riduttivo per le resistenze di lunga durata	α_{cc}			**0.85**
16	Resistenza caratteristica dell'acciaio	f_{yk}		MPa	**450**
17	Coefficiente di sicurezza sull'acciaio	γ_a		-	**1.15**
18	Resistenza di calcolo del calcestruzzo	f_{cd}	$\alpha_{cc}f_{ck}/\gamma_c$	MPa	17.00
19	Resistenza di calcolo dell'acciaio	f_{yd}	f_{yk}/γ_a	MPa	391
20	Tensione Compressione Media	σ_{cp}	$N_{Ed}/BH < 0{,}2f_{cd}$	MPa	0.00
21	Altezza Utile Sezione	d	$H - c - \phi/2$	mm	825
22	Area di acciaio longitudinale	A_{sl}	$n\pi\phi^2/4$	mm^2	5'309
23	Densità di armatura longitudinale	ρ_l	$A_{sl}/Bd < 0{,}02$	-	0.00644
24	Coefficiente amplificativo	k	$1+\sqrt{(200/d)} < 2$	-	1.49237
25	Resistenza minima a taglio del cls non compres.	v_{min}	$0{,}035k^{3/2}f_{ck}^{1/2}$	MPa	0.349
26	Resistenza minima a taglio del cls compresso	v'_{min}	$v_{min}+0{,}15\sigma_{cp}$	MPa	0.349
27	Coefficiente di riduzione	v	$(\cot g\alpha+\cot g\theta)/(1+\cot g^2\theta)$		0.489

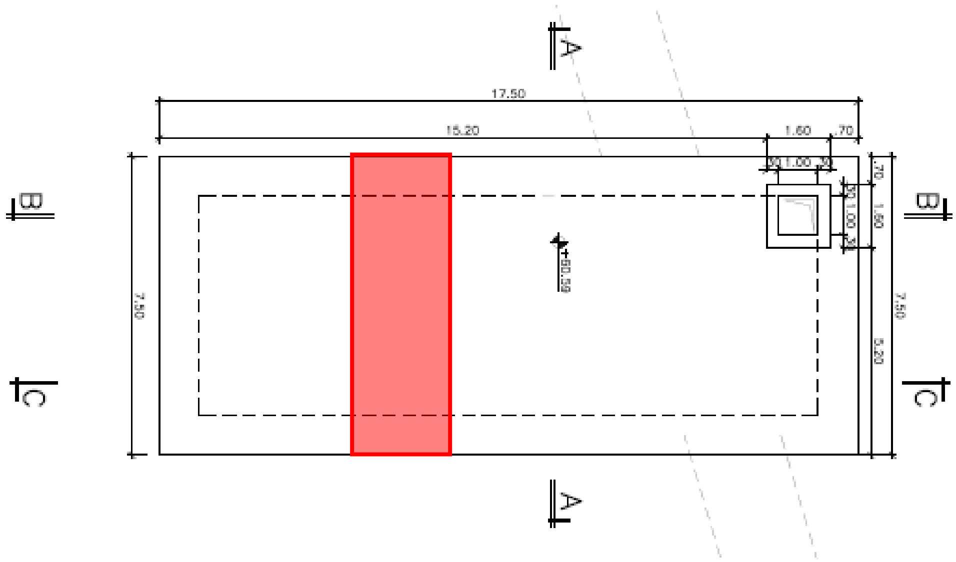
28	Coefficiente maggiorativo	α_c	$f(\sigma_{cp}/f_{cd})$	-	1.000
29	Resistenza di calcolo a taglio del cls non armato	v_{Rd}	$0{,}18k(100\rho_l f_{ck})^{1/3}$	MPa	0.480
30	**Taglio Resistente del cls non armato**	$\mathbf{V_{Rd}}$	$\mathbf{v_{Rd,c}Bd}$	**kN**	**396**
31	**Verifica in assenza di armature a taglio**		$\mathbf{V_{Ed} < V_{Rd,c}}$	**?**	**armatura NECESSARIA**
32	Resistenza massima a taglio del cls	v_{Rcd}	$0{,}5\alpha_c v f_{cd}$	MPa	4.157
33	**Taglio Resistente massimo del cls**	$\mathbf{V_{Rcd}}$	$\mathbf{0{,}9v_{Rcd}Bd}$	**kN**	**3'087**
34	Coefficiente di sicurezza a taglio del cls	η_{Rcd}	V_{Rcd} / V_{Ed}	-	4.553
35	**Verifica a taglio per cls compresso**		$\mathbf{V_{Ed} < V_{Rcd}}$	**?**	**OK**
36	Area di acciaio trasversale	A_{sw}	$n_w\pi\phi_w^2/4$	mm^2	393
37	Coefficiente di resistenza dell'armatura	v_1	$(\cot g\alpha+\cot g\theta)\operatorname{sen}\alpha$		1.235
38	**Taglio Resistente dell'armatura**	$\mathbf{V_{Rsd}}$	$\mathbf{0{,}9dA_{sw}f_{yd}v_1/s_w}$	**kN**	**704**
39	Coefficiente di sicurezza della sezione armata	η_{Rsd}	V_{Rsd}/ V_{Ed}	-	1.039
40	**Verifica a taglio dell'armatura**		$\mathbf{V_{Ed} < V_{Rsd}}$	**?**	**OK**
41	**Verifica a taglio sulla sezione?**				**OK**

8.6. Verifiche pozzo

Si riportano nel seguito le verifiche riguardanti la soletta superiore del pozzo ed il diaframma in acciaio.

8.6.1. Soletta

Il dimensionamento della soletta superiore del manufatto è condotto considerando una striscia equivalente di 1 m di soletta nella direzione di luce minore, effettuando un calcolo semplificato a trave incastrata agli estremi. Poiché la struttura si trova in adiacenza alla carreggiata si considera, in favore di sicurezza, l'eventualità che il carico variabile stradale insista sulla soletta. Si considera a tal fine lo schema di carico 1.



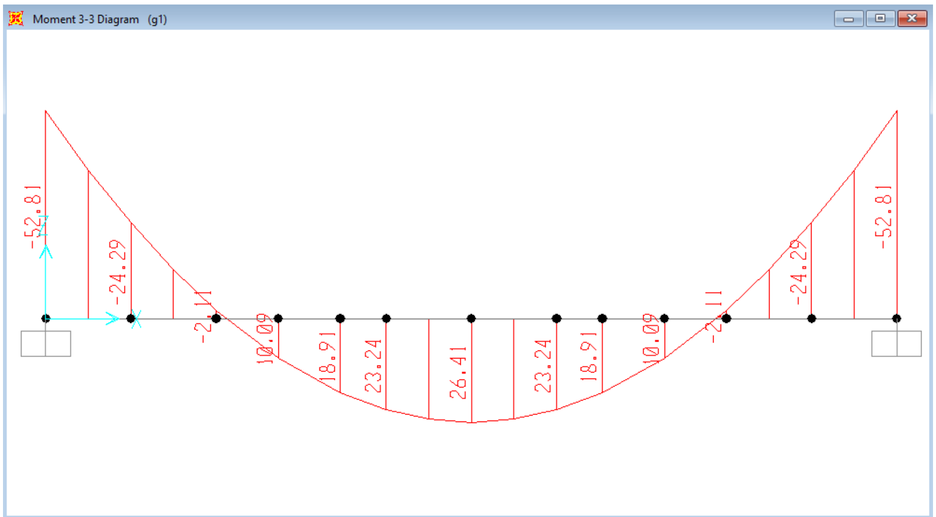
I parametri geometrici adottati ed i carichi che insistono sulla struttura sono riportati nelle seguenti tabelle:

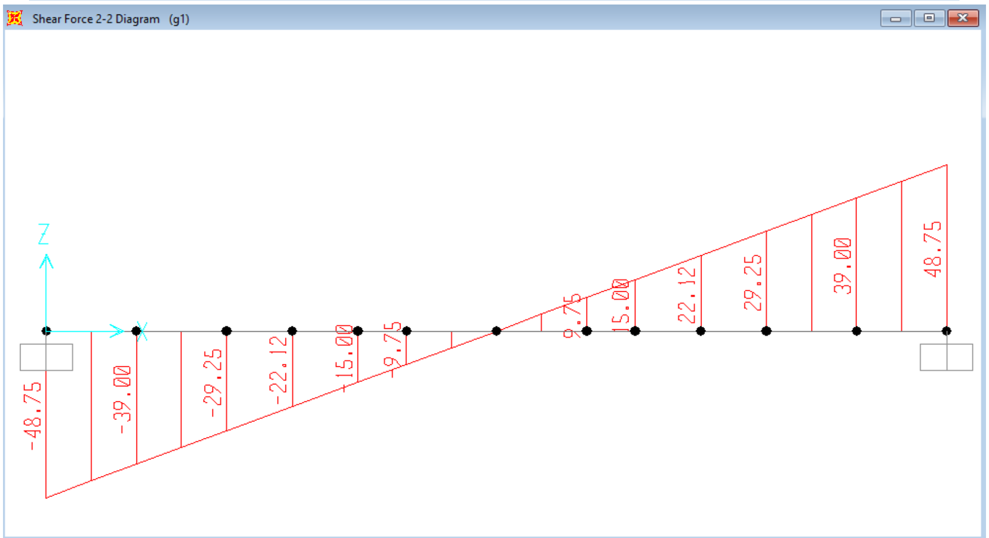
Larghezza		1	m
Spessore		0.6	m
Luce di calcolo		6.5	m

Peso proprio	g1	15	kN/mq
Permanenti portati	g2	5	kN/mq
Totale Permanenti	g	20	kN/mq
Variabile uniforme	qk	9	kN/mq
Variabile concentrato	Qk	300	kN

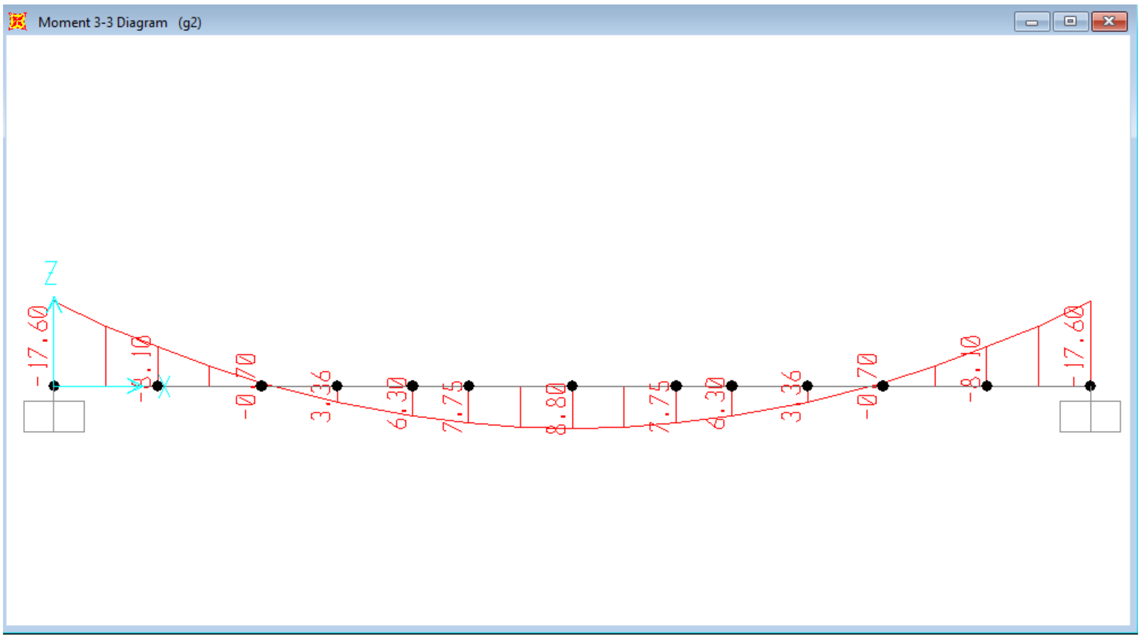
Considerando uno schema di vincolo incastro-incastro si procede al calcolo delle sollecitazioni agenti sulla striscia equivalente di soletta, mediante l'ausilio del software SAP2000.
Si riportano di seguito momento e taglio agenti sulla soletta nei casi di carico elementari sopra indicati.

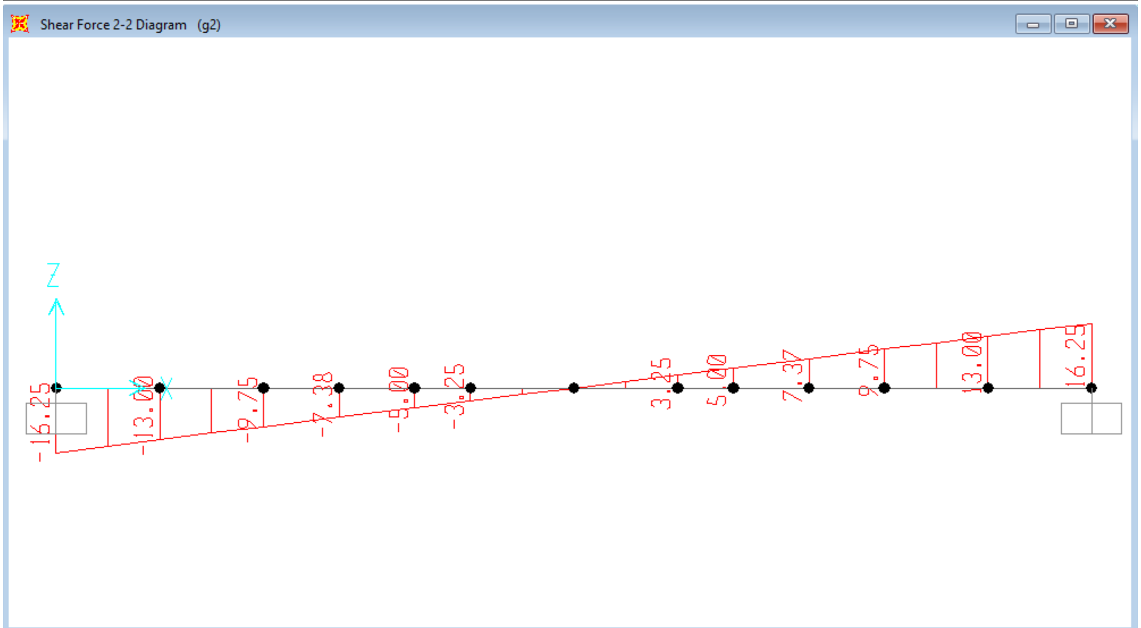
Permanenti strutturali



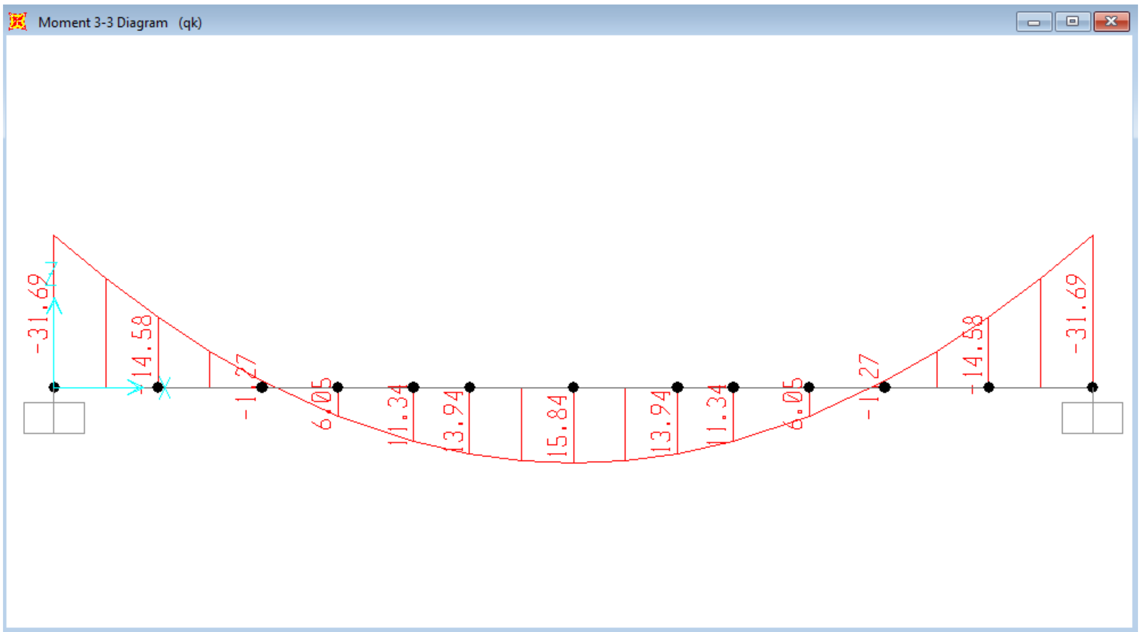


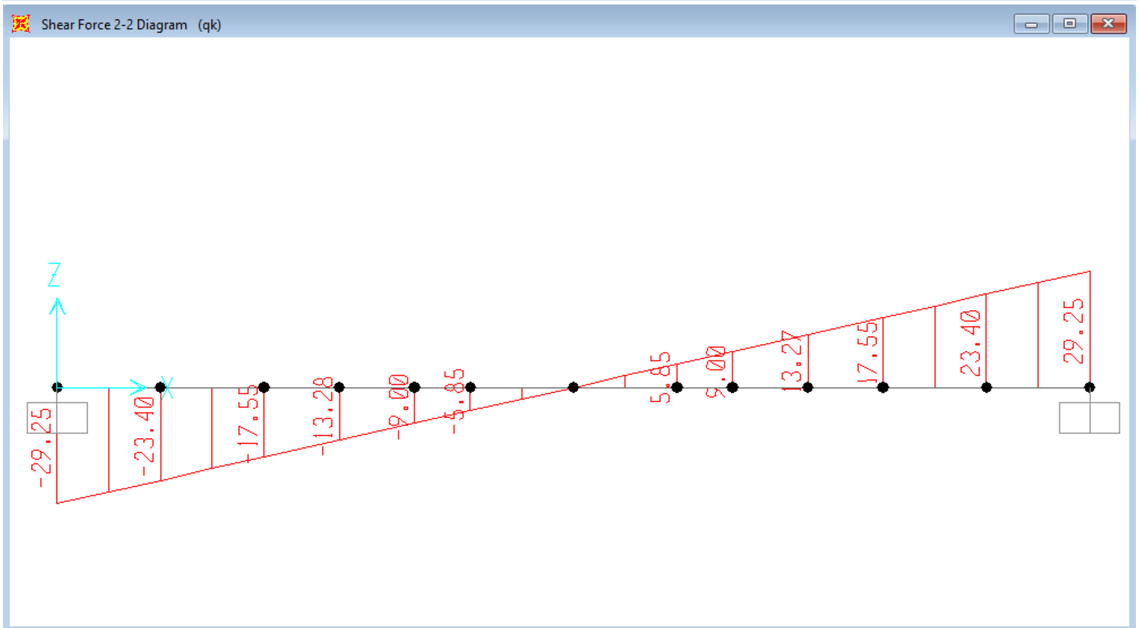
Permanenti portati



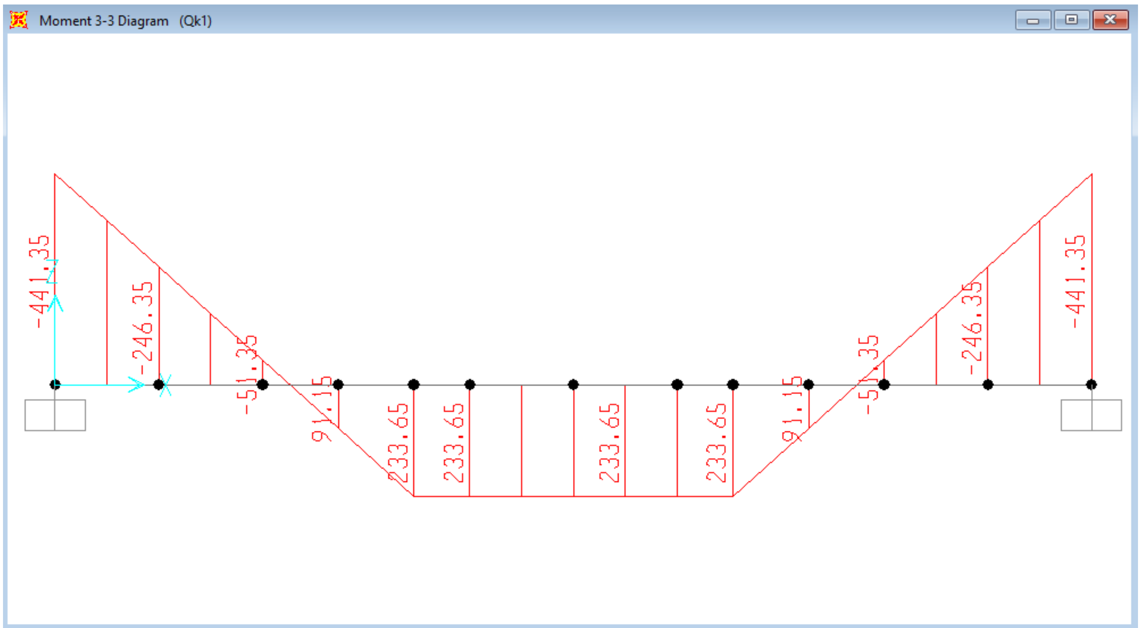


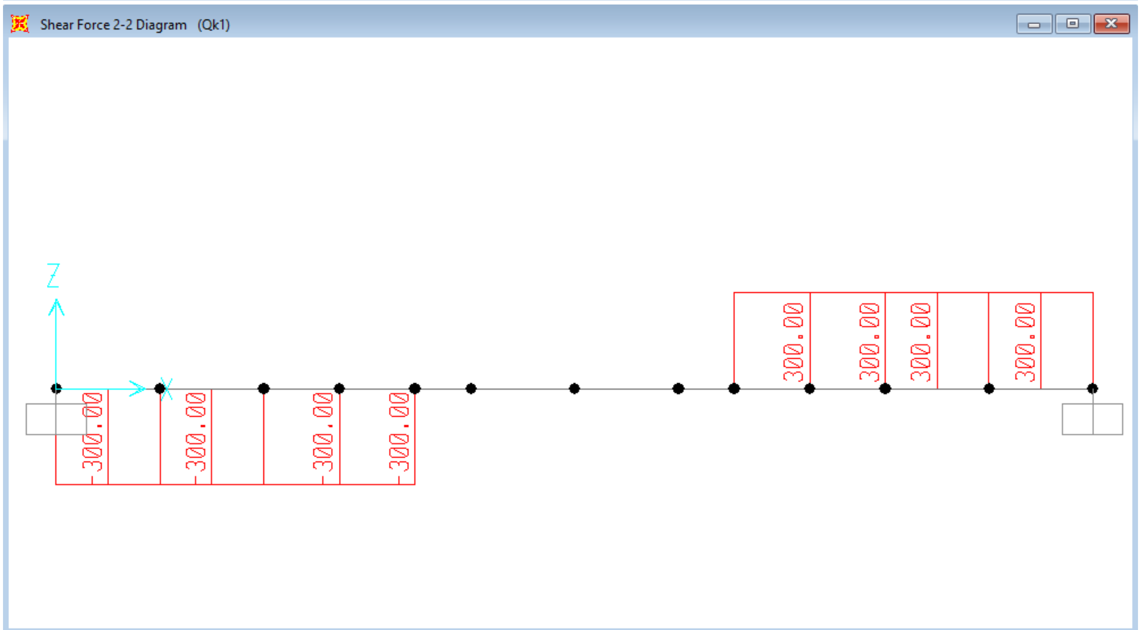
Schema di carico 1: carico uniforme





Schema di carico 1: carico concentrato

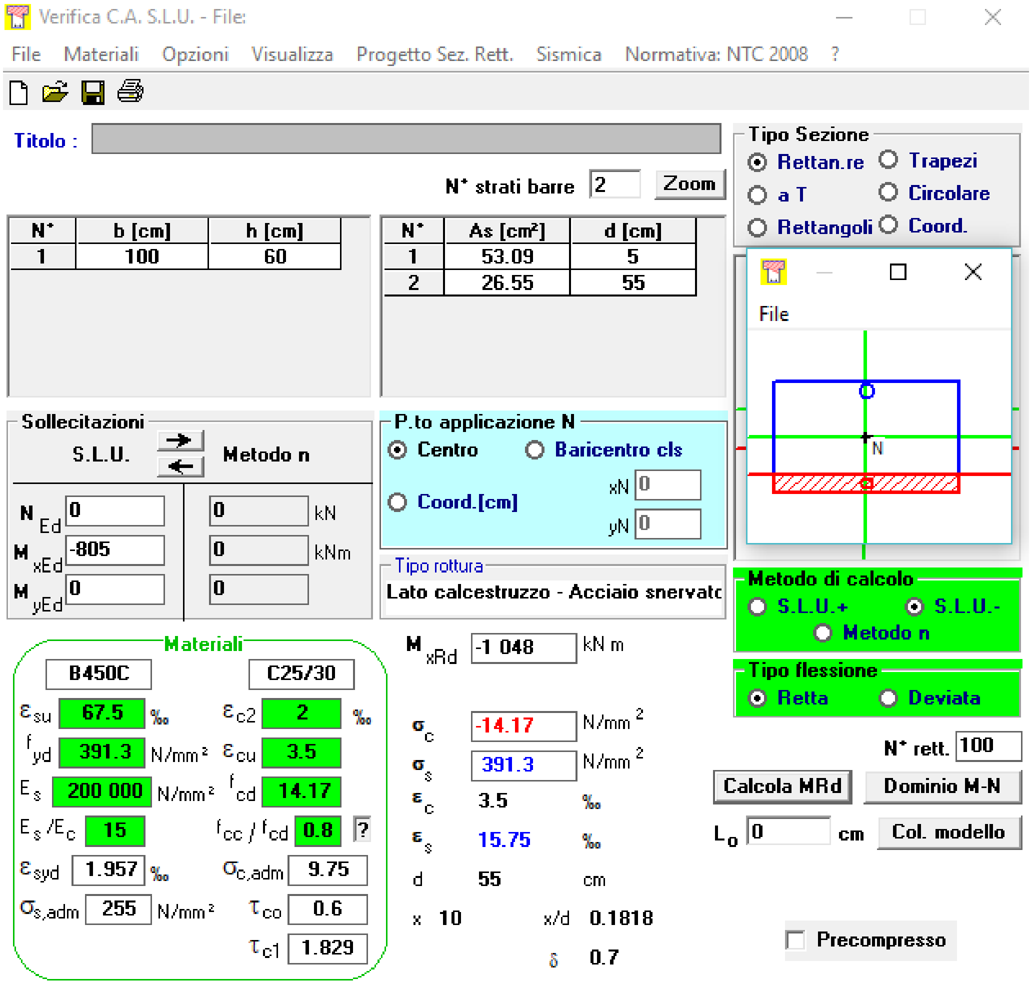




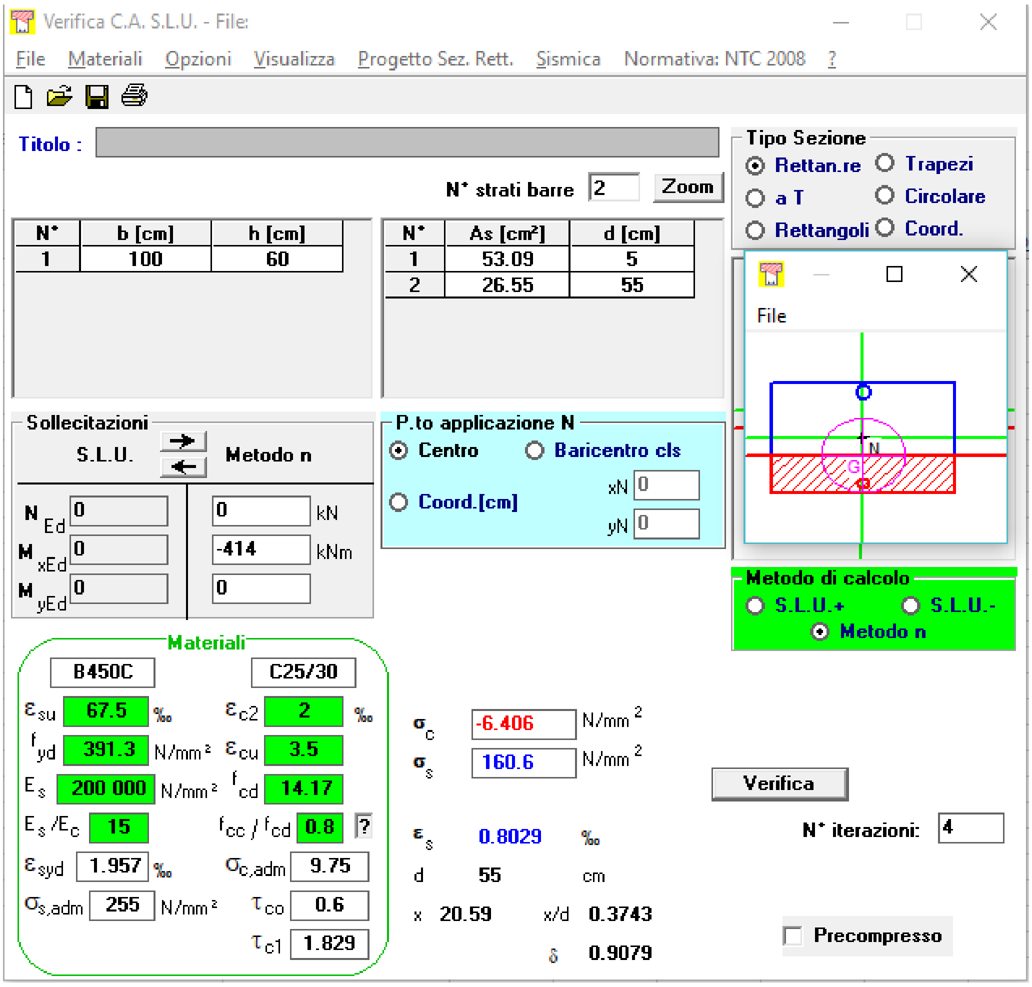
Le verifiche strutturali sono condotte amplificando i carichi elementari e combinandoli secondo quanto prescritto nelle NTC2008, come riportato nei capitoli precedenti. Le verifiche flessionali agli SLU ed SLE sono condotte nelle sezioni di incastro e di mezzeria: si riportano le armature adottate ed i valori delle sollecitazioni adottate in verifica.

Sezione di incastro:			Sezione di mezzeria:		
ϕ26/100			ϕ26/200		
Mmax	804	kNm/m	Mmax	422	kNm/m
Vmax	581	kN/m	Vmax	490	kN/m

Sezione di incastro - SLU



Sezione di incastro – SLE

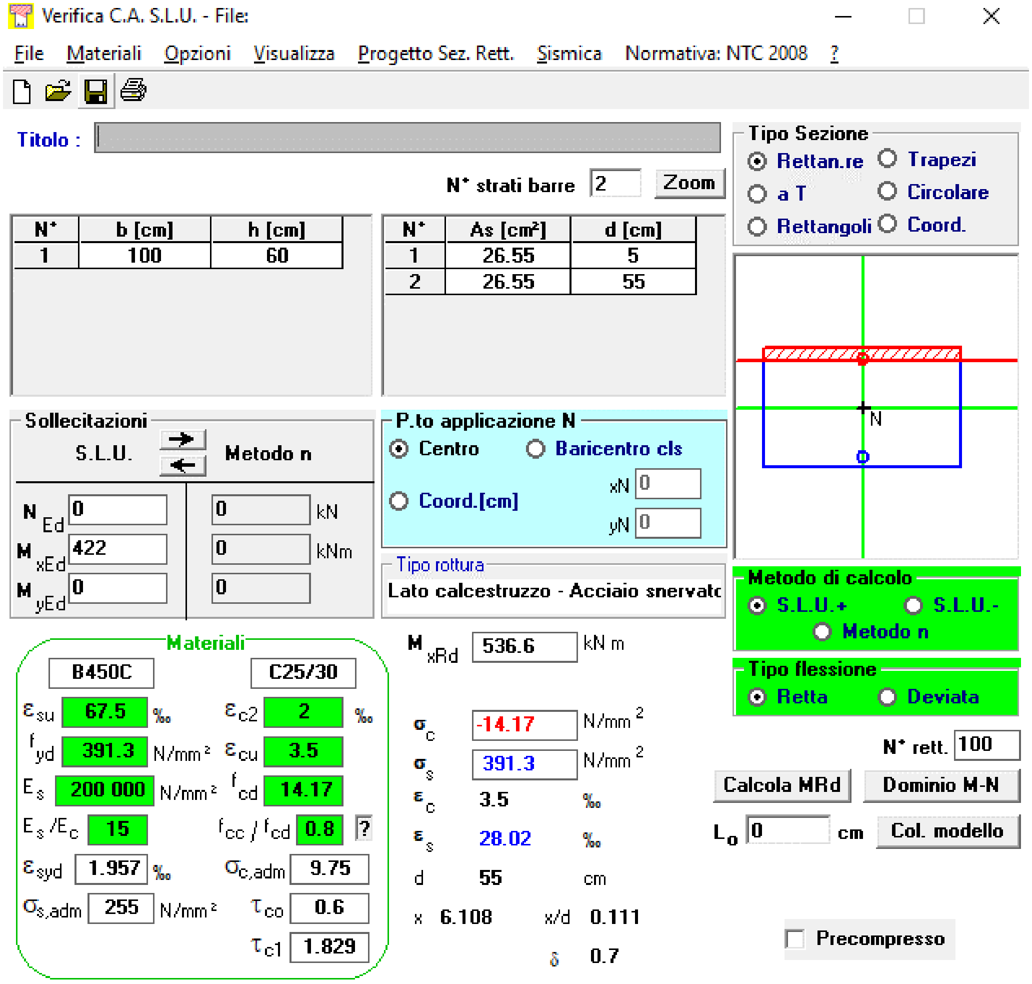


La tensione massima agente nelle barre di armatura risulta compatibile con la verifica di fessurazione indiretta:

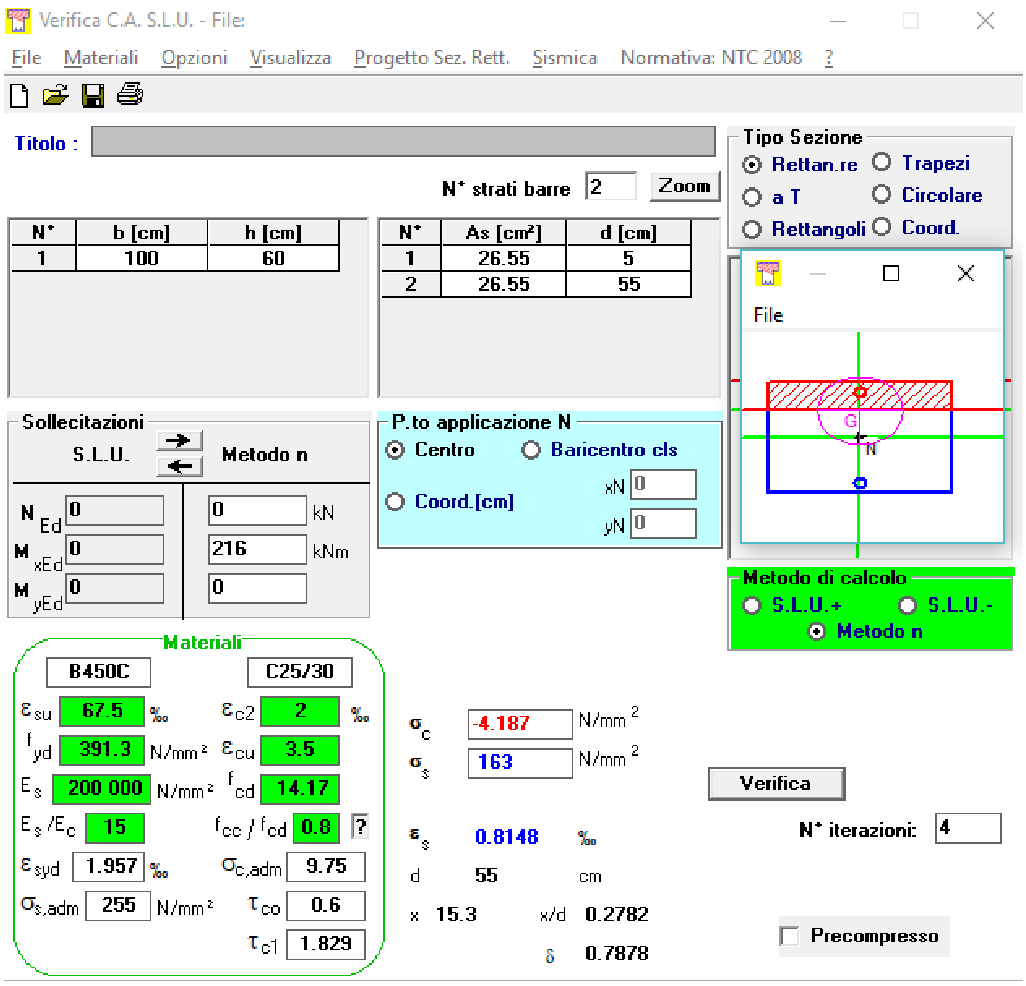
prospetto 7.2N **Diametri massimi delle barre ϕ^*_s per il controllo della fessurazione**[1)]

Tensione nell'acciaio[2)] [MPa]	Diametro massimo delle barre [mm] w_k = 0,4 mm	w_k = 0,3 mm	w_k = 0,2 mm
160	40	32	25

Sezione di mezzeria – SLU



Sezione di mezzeria – SLE



La tensione massima agente nelle barre di armatura risulta compatibile con la verifica di fessurazione indiretta:

prospetto 7.2N **Diametri massimi delle barre ϕ^*_s per il controllo della fessurazione**[1)]

Tensione nell'acciaio[2)] [MPa]	Diametro massimo delle barre [mm] $w_k = 0{,}4$ mm	$w_k = 0{,}3$ mm	$w_k = 0{,}2$ mm
160	40	32	25

Si riporta di seguito il calcolo della resistenza a taglio:

f_{ck}	25	MPa
f_{cd}	14.2	MPa
bw	1000	mm
d	550	mm
ϕ	26	mm
N	10	
Ai	531	mmq
Asl	5309	mmq
ρ_l	0.009653	<0.02
k	1.603	

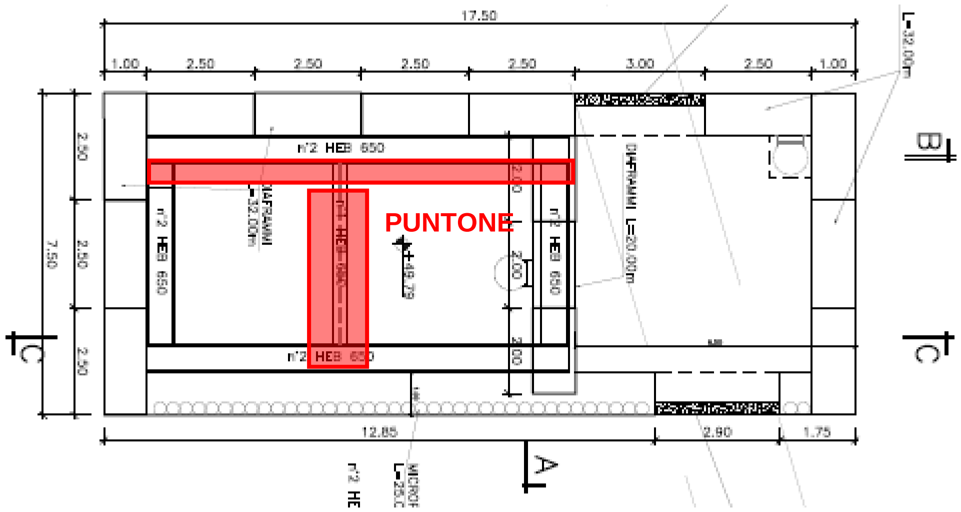
$V_{Rd,c}$	306	kN/m
ϕ	12	mm
N	4	
Ai	113	mmq
Asw	452	mmq
s	125	mm
z	495	mm
f_{ywd}	391	MPa
θ	45	
tgθ	1	
ctgθ	1	
α_c	1	
$V_{Rd,s}$	701	kN/m
$V_{Rd,c}$	1753	kN/m
V_{Rd}	701	kN/m

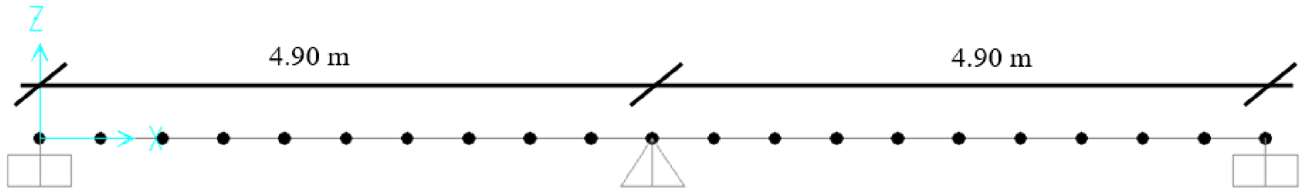
Si è inoltre condotta la verifica di taglio-punzonamento considerando la presenza del carico concentrato definito dallo schema di carico 1.

Verifica punzonamento (EC1992-1-1 6.4)			
Spessore soletta	s	0.6	m
Dimensioni impronta	b	0.4	m
	h	0.4	m
Carico Concentrato	Qk	300	kN
Altezza utile	dx	0.55	m
	dy	0.5	m
	deff	0.525	m
Perimentro	u1	10	m
	β	1.15	(6.21N)
Tensione Sollecitante	v_{Ed}	0.066	MPa
Resistenza al punzonamento			
	f_{ck}	25	MPa
	k	1.617	
	ρ_l	0.0096533	<0.02
	C_{rdc}	0.12	
	v_{Rd}	0.561	MPa
Coeff. Di Sicurezza		8.53	

8.7. Sistema di contrasto in acciaio

Si riporta di seguito il calcolo delle sollecitazioni e conseguente verifica dei profilati in acciaio costituenti il sistema di contrasto orizzontale posto a quota -5.12 m dall'estradosso soletta. Per la coppia di travi HEB650 costituenti la cerchiatura del pozzo si considera un modello a trave incastrata agli estremi ed incernierata nella mezzeria.

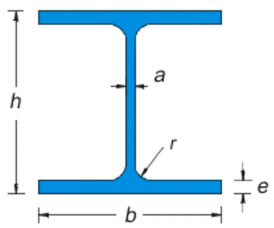




Dalla relazione geotecnica si ha che la spinta agente sulla coppia di travi è pari a 470 kN/m nella combinazione di carico più gravosa. Si considera pertanto solamente la detta condizione ed il carico si ripartisce equamente sui due profili, pertanto il carico agente sulla singola trave HEB650 è 470/2 = 235 kN/m.

Verifiche telaio

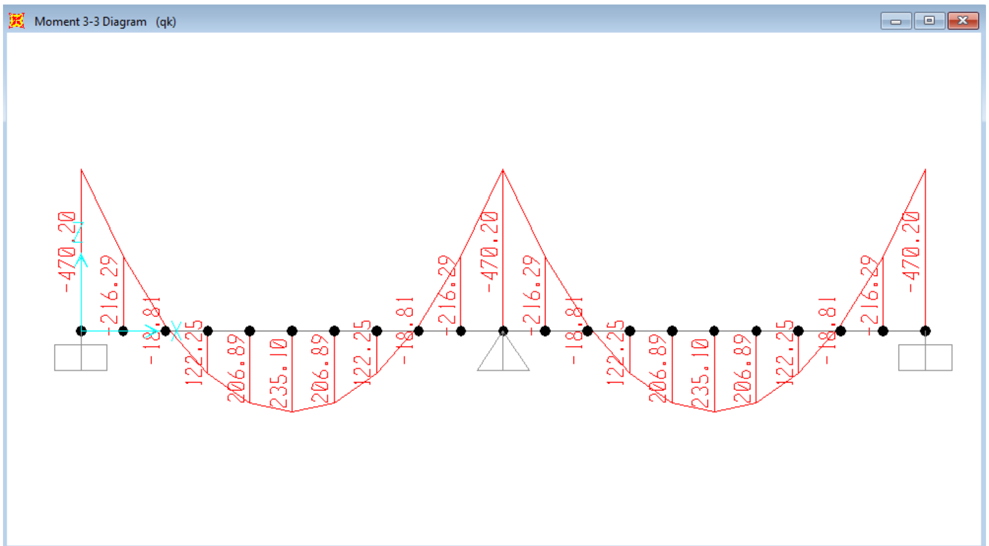
Luce	9.8	m
Interasse	4.9	m
Carico	470	kN/m
Carico/2	235	kN/m
f_{yk}	355	MPa
γ_{M0}	1.05	(NTC 4.2.V)

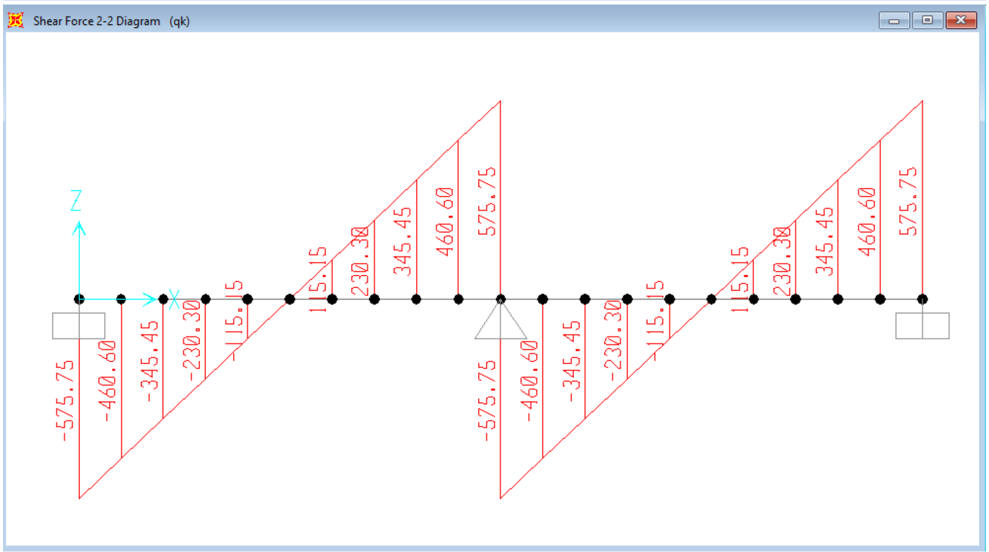


Caratteristiche della sezione (singolo profilo)

A	2.86E+04	mm^2
J	2.10E+09	mm^4
Jmin	1.40E+08	mm^4
W	6.48E+06	mm^3

Di seguito si riporta l'andamento del momento e del taglio indotti nel singolo profilo HEB650 dal carico sopra definito:





Considerando la sezione maggiormente sollecitata si procede al calcolo delle tensioni massime agenti nella sezione stessa:

Mmax	470	kNm	σ	73	MPa
Vmax	575	kN	τ	30	MPa
			$\sigma_{tot}=(\sigma^2+3\tau^2)^{0.5}$	89	MPa
		Coeff. Sicurezza		0.264	<1

La sezione risulta dunque ampiamente verificata.

Si procede ora alla verifica sul puntone costituito da un singolo profilo HEB650 e sollecitato esclusivamente da un carico di compressione indotto dalla spinta del terreno pari a 470 kN/m moltiplicata per l'area di influenza del puntone stesso l = 4.90 m, ovvero 470 x 4.90 = 2303 kN.
Poiché l'elemento risulta prevalentemente compresso si procede alla verifica di instabilità secondo il paragrafo 4.2.4.1.3.1 delle NTC2008.

N_{ed}	2303	kN
Luce	5.2	m
l_0	2600	mm
f_{yk}	355	MPa
γ_{M1}	1.05	(NTC 4.2.V)

Caratteristiche della sezione

A	2.86E+04	mm^2
J	2.10E+09	mm^4
Jmin	1.40E+08	mm^4
N_{cr}	42863	kN

$$N_{cr} = \pi^2 \frac{EJ_{\min}}{l_1^2}$$

λb	0.487	
α	0.21	
Φ	0.649	
χ	0.928	<1
$N_{b,Rd}$	8985	kN

Coeff. Sicurezza	0.256	<1

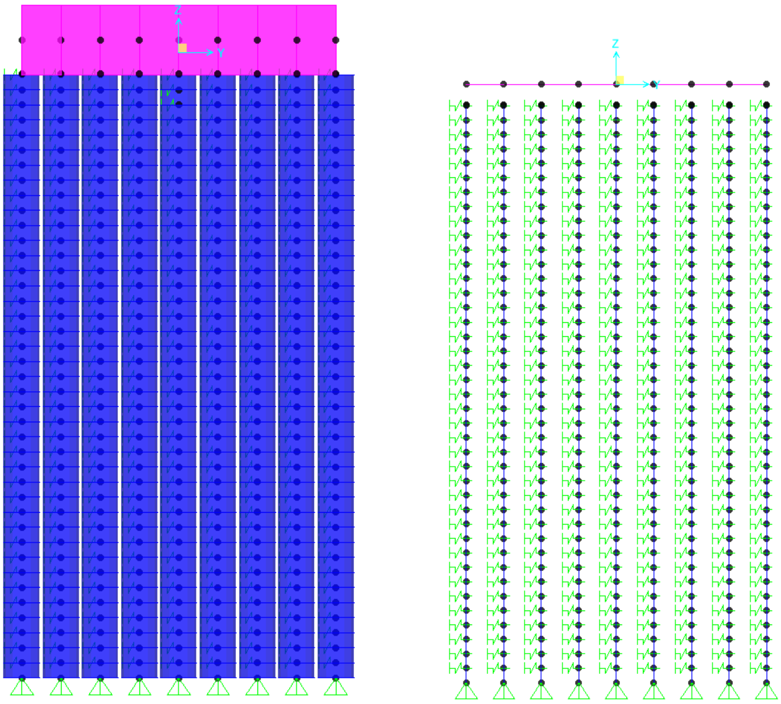
Si è considerata una luce libera di inflessione l_0=l/2 = 2.6 m, poiché il puntone risulta doppiamente incastrato ad entrambe le estremità.

8.8. Verifiche platea di varo

Di seguito si riportano le ipotesi di calcolo e le verifiche delle opere adottatte per il sistema di spinta.

8.8.1. Modello muro reggispinta

Il modello di calcolo attraverso il quale viene schematizzata la struttura è quello del palo libero di ruotare in testa e vincolato con molle alle quali è stata assegnata una rigidezza orizzontale distribuita ed un appoggio concentrato alla base del palo, realizzato mediante il programma di calcolo SAP2000. Il carico considerato agente è pari al peso del manufatto da spingere valuatato come: (23.82*25*17+1828.5)= 11952 kN
Dove 23.82 è l'area della sezione dello scatolare moltiplicata per il peso del calcestruzzo armato e lo sviluppo, mentre 1828.5 kN è il peso dei rostri che vengono in seguito demoliti. Il peso del monolite è stato moltiplicato per 1.5 come indicato nell'elaborato IN0D00DI2PZIN0100002A. Per la costante elastica orizzontale del terreno, si è adottato, un valore di kh=25'000 kN/mc, in accordo con i parametri geotecnici del sito.



Modello di calcolo

8.8.2. Sollecitazioni di calcolo pali

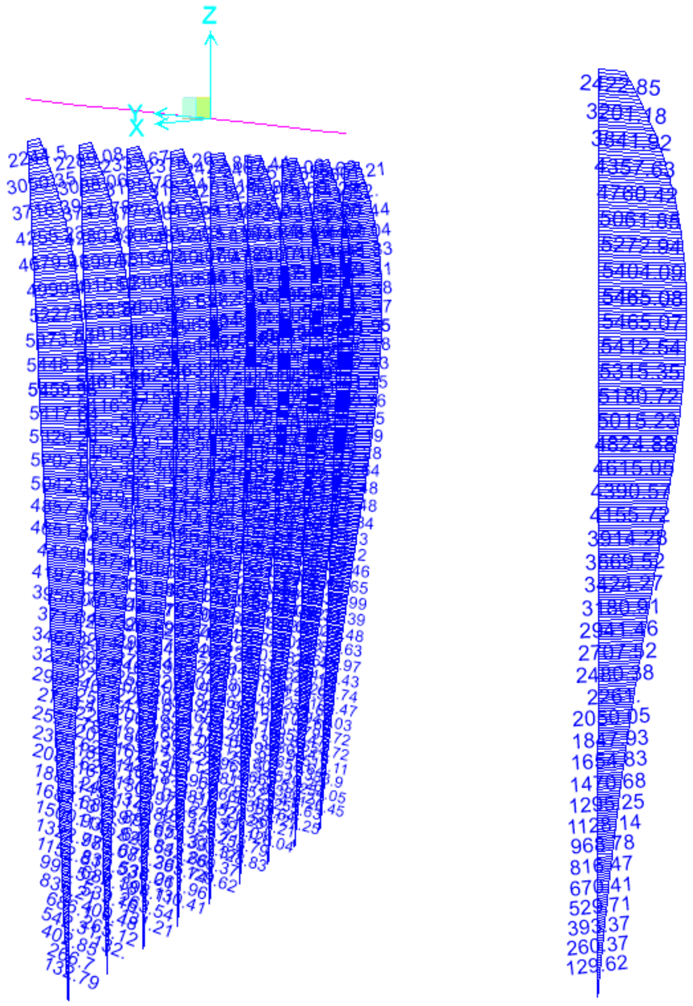


Figura 19 – Momento flettente

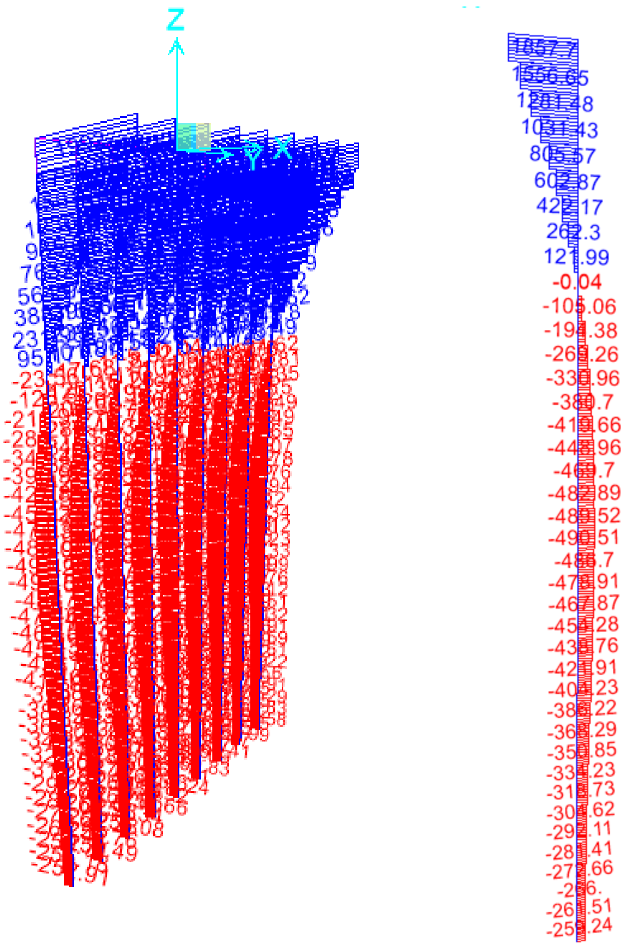
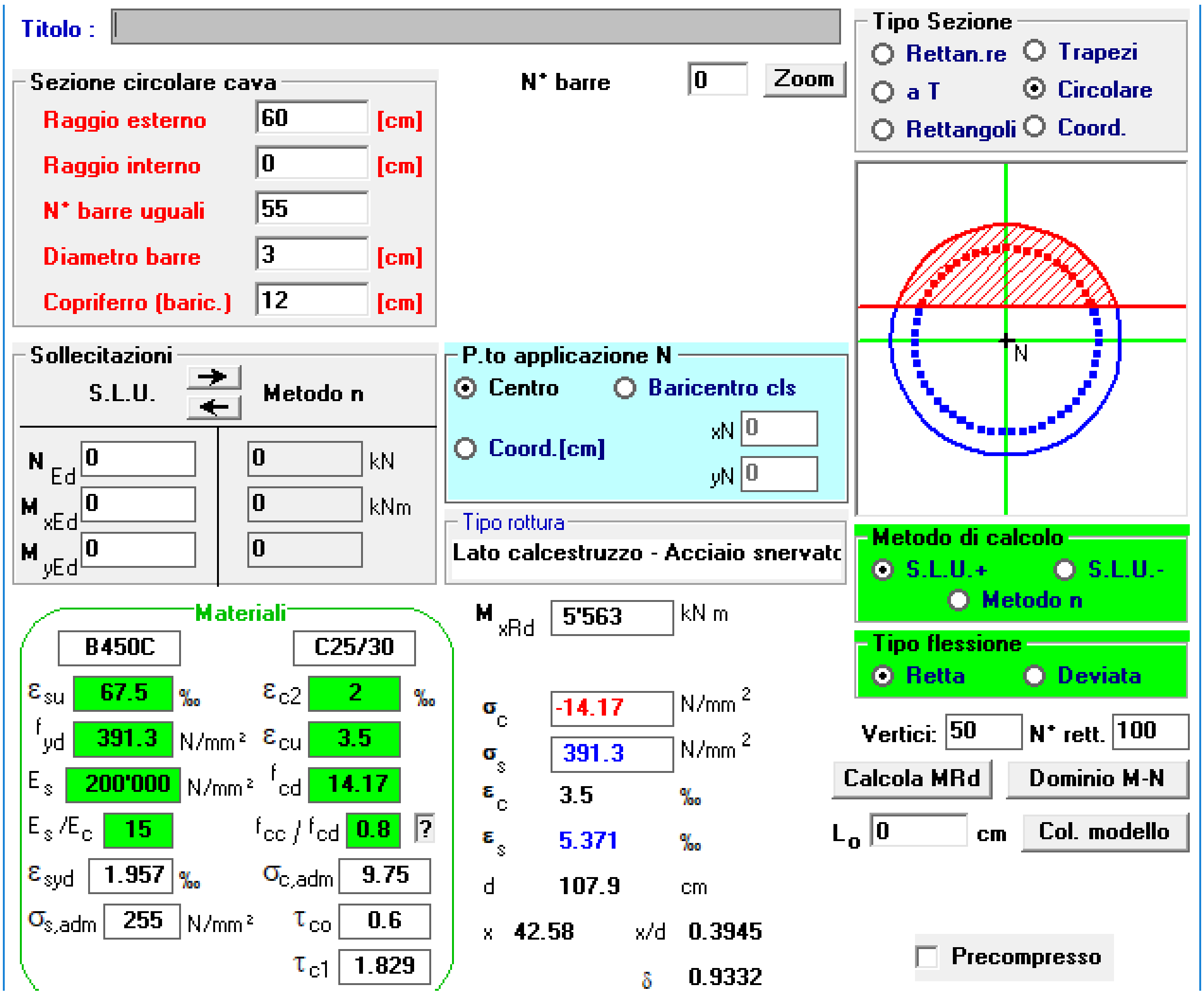


Figura 20 – Taglio

8.8.3. Verifiche di sezione

Si effettua la verifica allo stato limite ultimo con i pali diametro 1200 armati con 55ϕ30 e una doppia corona di staffe circolari ϕ20/20.
La sezione in questione, maggiormente sollecitata con un momento agente Med=5481 KNm.
Ed un Taglio agente pari a Ved=2000 kN.



Descrizione (Parametro/Caratteristica)		Notazione (NTC 2008)	Formule (NTC 2008)	Unità	Valore
1	Taglio Agente	V_{ed}		kN	**1992**
2	Sforzo Normale Agente	N_{ed}		kN	**0**
3	Larghezza Sezione	B		mm	**1010**
4	Altezza Sezione	H		mm	**1105**
5	Numero delle barre longitudinali	n		-	**55.0**
6	Diametro delle barre longitudinali	ϕ		mm	**30**
7	Copriferro delle barre longitudinali	c		mm	**60**
8	Numero delle barre trasversali a taglio	n_w		-	**4**

9	Diametro delle barre trasversali a taglio	ϕ_w		mm	**20**
10	Interasse delle barre trasversali a taglio	s_w		mm	**200**
11	Angolo barre trasversali - asse trave	α		°	**90**
12	Angolo bielle compresse - asse trave	θ		°	45.000
13	Resistenza caratteristica del calcestruzzo	f_{ck}		Mpa	**25**
14	Coefficiente di sicurezza sul calcestruzzo	γ_c		-	**1.5**
15	Coefficiente riduttivo per le resistenze di lunga durata	α_{cc}			**0.85**
16	Resistenza caratteristica dell'acciaio	f_{yk}		MPa	**450**
17	Coefficiente di sicurezza sull'acciaio	γ_a		-	**1.15**
18	Resistenza di calcolo del calcestruzzo	f_{cd}	$\alpha_{cc}f_{ck}/\gamma_c$	MPa	14.17
19	Resistenza di calcolo dell'acciaio	f_{yd}	f_{yk}/γ_a	MPa	391
20	Tensione Compressione Media	σ_{cp}	$N_{Ed}/BH < 0,2f_{cd}$	MPa	0.00
21	Altezza Utile Sezione	d	H - c - ϕ/2	mm	1030
22	Area di acciaio longitudinale	A_{sl}	$n\pi\phi^2/4$	mm^2	38'877
23	Densità di armatura longitudinale	ρ_l	$A_{sl}/Bd < 0,02$	-	0.02000
24	Coefficiente amplificativo	k	$1+\sqrt{(200/d)} < 2$	-	1.44065
25	Resistenza minima a taglio del cls non compres.	v_{min}	$0,035k^{3/2}f_{ck}^{1/2}$	MPa	0.303
26	Resistenza minima a taglio del cls compresso	v'_{min}	$v_{min}+0,15\sigma_{cp}$	MPa	0.303
27	Coefficiente di riduzione	v	$(\cot g\alpha+\cot g\theta)/(1+\cot g^2\theta)$		0.500
28	Coefficiente maggiorativo	α_c	$f(\sigma_{cp}/f_{cd})$	-	1.000
29	Resistenza di calcolo a taglio del cls non armato	v_{Rd}	$0,18k(100\rho_l f_{ck})^{1/3}$	MPa	0.637
30	**Taglio Resistente del cls non armato**	V_{Rd}	$v_{Rd,c}Bd$	**kN**	**663**
31	**Verifica in assenza di armature a taglio**		$V_{Ed} < V_{Rd,c}$	**?**	**armatura NECESSARIA**
32	Resistenza massima a taglio del cls	v_{Rcd}	$0,5\alpha_c v f_{cd}$	MPa	3.542
33	**Taglio Resistente massimo del cls**	V_{Rcd}	$0,9v_{Rcd}Bd$	**kN**	**3'316**
34	Coefficiente di sicurezza a taglio del cls	η_{Rcd}	V_{Rcd} / V_{Ed}	-	1.658
35	**Verifica a taglio per cls compresso**		$V_{Ed} < V_{Rcd}$	**?**	**OK**
36	Area di acciaio trasversale	A_{sw}	$n_w\pi\phi_w^2/4$	mm^2	1'257
37	Coefficiente di resistenza dell'armatura	v_1	$(\cot g\alpha+\cot g\theta)\mathrm{sen}\alpha$		1.000
38	**Taglio Resistente dell'armatura**	V_{Rsd}	$0,9dA_{sw}f_{yd}v_1/s_w$	**kN**	**2'279**
39	Coefficiente di sicurezza della sezione armata	η_{Rsd}	V_{Rsd}/ V_{Ed}	-	1.140

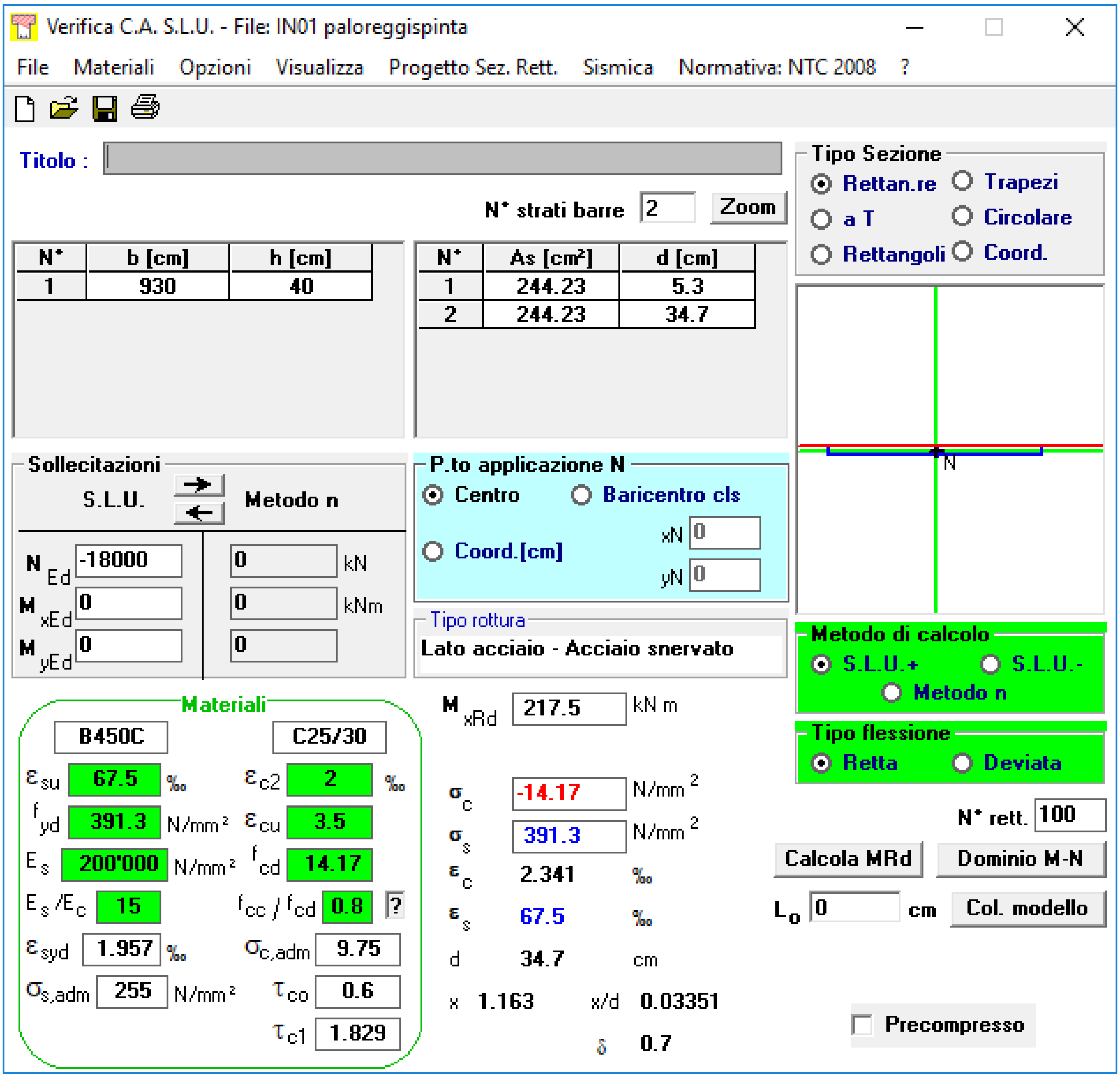
40	**Verifica a taglio dell'armatura**	**$V_{Ed} < V_{Rsd}$**	**?**	**OK**
41	**Verifica a taglio sulla sezione?**			**OK**

Si effettua la verifica a taglio della sezione del muro reggispinta armata con una maglia 300x300 di spille ϕ16

	Descrizione (Parametro/Caratteristica)	Notazione (NTC 2008)	Formule (NTC 2008)	Unità	Valore
1	Taglio Agente	V_{ed}		kN	**18000**
2	Sforzo Normale Agente	N_{ed}		kN	
3	Larghezza Sezione	B		mm	**12000**
4	Altezza Sezione	H		mm	**1400**
5	Numero delle barre longitudinali	n		-	**80.0**
6	Diametro delle barre longitudinali	ϕ		mm	**26**
7	Copriferro delle barre longitudinali	c		mm	**40**
8	Numero delle barre trasversali a taglio	n_w		-	**40.0**
9	Diametro delle barre trasversali a taglio	ϕ_w		mm	**16**
10	Interasse delle barre trasversali a taglio	s_w		mm	**300**
11	Angolo barre trasversali - asse trave	α		°	**90**
12	Angolo bielle compresse - asse trave	θ		°	21.801
13	Resistenza caratteristica del calcestruzzo	f_{ck}		Mpa	**25**
14	Coefficiente di sicurezza sul calcestruzzo	γ_c		-	**1.5**
15	Coefficiente riduttivo per le resistenze di lunga durata	α_{cc}			**0.85**
16	Resistenza caratteristica dell'acciaio	f_{yk}		MPa	**450**
17	Coefficiente di sicurezza sull'acciaio	γ_a		-	**1.15**
18	Resistenza di calcolo del calcestruzzo	f_{cd}	$\alpha_{cc}f_{ck}/\gamma_c$	MPa	14.17
19	Resistenza di calcolo dell'acciaio	f_{yd}	f_{yk}/γ_a	MPa	391
20	Tensione Compressione Media	σ_{cp}	$N_{Ed}/BH < 0,2f_{cd}$	MPa	0.00
21	Altezza Utile Sezione	d	$H - c - \phi/2$	mm	1347
22	Area di acciaio longitudinale	A_{sl}	$n\pi\phi^2/4$	mm^2	42'474
23	Densità di armatura longitudinale	ρ_l	$A_{sl}/Bd < 0,02$	-	0.00263
24	Coefficiente amplificativo	k	$1+\sqrt{(200/d)} < 2$	-	1.38533
25	Resistenza minima a taglio del cls non compres.	v_{min}	$0,035k^{3/2}f_{ck}^{1/2}$	MPa	0.285
26	Resistenza minima a taglio del cls compresso	v'_{min}	$v_{min}+0,15\sigma_{cp}$	MPa	0.285

27	Coefficiente di riduzione	v	$(\cot\alpha+\cot\theta)/(1+\cot^2\theta)$		0.345
28	Coefficiente maggiorativo	α_c	$f(\sigma_{cp}/f_{cd})$	-	1.000
29	Resistenza di calcolo a taglio del cls non armato	v_{Rd}	$0{,}18k(100\rho_l f_{ck})^{1/3}$	MPa	0.311
30	**Taglio Resistente del cls non armato**	$\mathbf{V_{Rd}}$	$\mathbf{v_{Rd,c}Bd}$	**kN**	**5'033**
31	**Verifica in assenza di armature a taglio**		$\mathbf{V_{Ed} < V_{Rd,c}}$	**?**	**armatura NECESSARIA**
32	Resistenza massima a taglio del cls	v_{Rcd}	$0{,}5\alpha_c v f_{cd}$	MPa	2.443
33	**Taglio Resistente massimo del cls**	$\mathbf{V_{Rcd}}$	$\mathbf{0{,}9v_{Rcd}Bd}$	**kN**	**35'533**
34	Coefficiente di sicurezza a taglio del cls	η_{Rcd}	V_{Rcd} / V_{Ed}	-	1.974
35	**Verifica a taglio per cls compresso**		$\mathbf{V_{Ed} < V_{Rcd}}$	**?**	**OK**
36	Area di acciaio trasversale	A_{sw}	$n_w\pi\phi_w^2/4$	mm^2	8'042
37	Coefficiente di resistenza dell'armatura	v_1	$(\cot\alpha+\cot\theta)\sin\alpha$		2.500
38	**Taglio Resistente dell'armatura**	$\mathbf{V_{Rsd}}$	$\mathbf{0{,}9dA_{sw}f_{yd}v_1/s_w}$	**kN**	**31'793**
39	Coefficiente di sicurezza della sezione armata	η_{Rsd}	V_{Rsd}/ V_{Ed}	-	1.766
40	**Verifica a taglio dell'armatura**		$\mathbf{V_{Ed} < V_{Rsd}}$	**?**	**OK**
41	**Verifica a taglio sulla sezione?**				**OK**

Di seguito la verifica a trazione della platea di varo sotto l’azione della spinta. La verifica è effettuata con un armatura di 46ϕ26 superiori e 46ϕ26 inferiori.



Verifica C.A. S.L.U. - File: IN01 paloreggispinta
File Materiali Opzioni Visualizza Progetto Sez. Rett. Sismica Normativa: NTC 2008 ?
Titolo :
N° strati barre 2 Zoom
N° | b [cm] | h [cm]
1 | 930 | 40
N° | As [cm²] | d [cm]
1 | 244.23 | 5.3
2 | 244.23 | 34.7
Tipo Sezione
Rettan.re Trapezi a T Circolare Rettangoli Coord.
N
Sollecitazioni
S.L.U. Metodo n
N Ed -18000 0 kN
M xEd 0 0 kNm
M yEd 0 0
P.to applicazione N
Centro Baricentro cls
Coord.[cm] xN 0 yN 0
Tipo rottura
Lato acciaio - Acciaio snervato
Metodo di calcolo
S.L.U.+ S.L.U.- Metodo n
Tipo flessione
Retta Deviata
Materiali
B450C C25/30
εsu 67.5 ‰ εc2 2 ‰
fyd 391.3 N/mm² εcu 3.5
Es 200'000 N/mm² fcd 14.17
Es/Ec 15 fcc/fcd 0.8 ?
εsyd 1.957 ‰ σc,adm 9.75
σs,adm 255 N/mm² τco 0.6
τc1 1.829
M xRd 217.5 kN m
σc -14.17 N/mm²
σs 391.3 N/mm²
εc 2.341 ‰
εs 67.5 ‰
d 34.7 cm
x 1.163 x/d 0.03351
δ 0.7
N° rett. 100
Calcola MRd Dominio M-N
Lo 0 cm Col. modello
Precompresso

8.8.4. Verifica palo

Di seguito il calcolo della resistenza ultima dei pali a taglio secondo la teoria di Broms. Per i parametri geotecnici si fa riferiferimento al seguente elaborato.

lunghezza del palo:	L (m) =	**10.00**		
diametro:	d (mm) =	**1200**	d (m) =	1.20
momento di plasticizzazione:	M_y (kNm) =	**5991**		
			L/d =	8.3333
peso di volume efficace (terreno):	γ (kN/m^3) =	**19.5**		
angolo di resistenza al taglio efficace:	φ (°) =	**37**	K_p =	4.0228
			coefficiente spinta passiva	

$M_y / (K_p \cdot \gamma \cdot d^4) =$ 36.83

palo libero in testa:
valutazione forza orizzontale limite H

eccentricità forza orizzontale: e (m) = **0.50** e/d = 0.4167

palo corto: $H / (K_p \cdot \gamma \cdot d^3) =$ 33.07 H (kN) = 4482.5

$$\frac{H}{k_p \gamma d^3} = \frac{d}{2(e+L)}\left(\frac{L}{d}\right)^3$$

palo lungo: $H / (K_p \cdot \gamma \cdot d^3) =$ 14.71 H (kN) = 1994.4

8.9. Verifiche delle palancole provvisionali

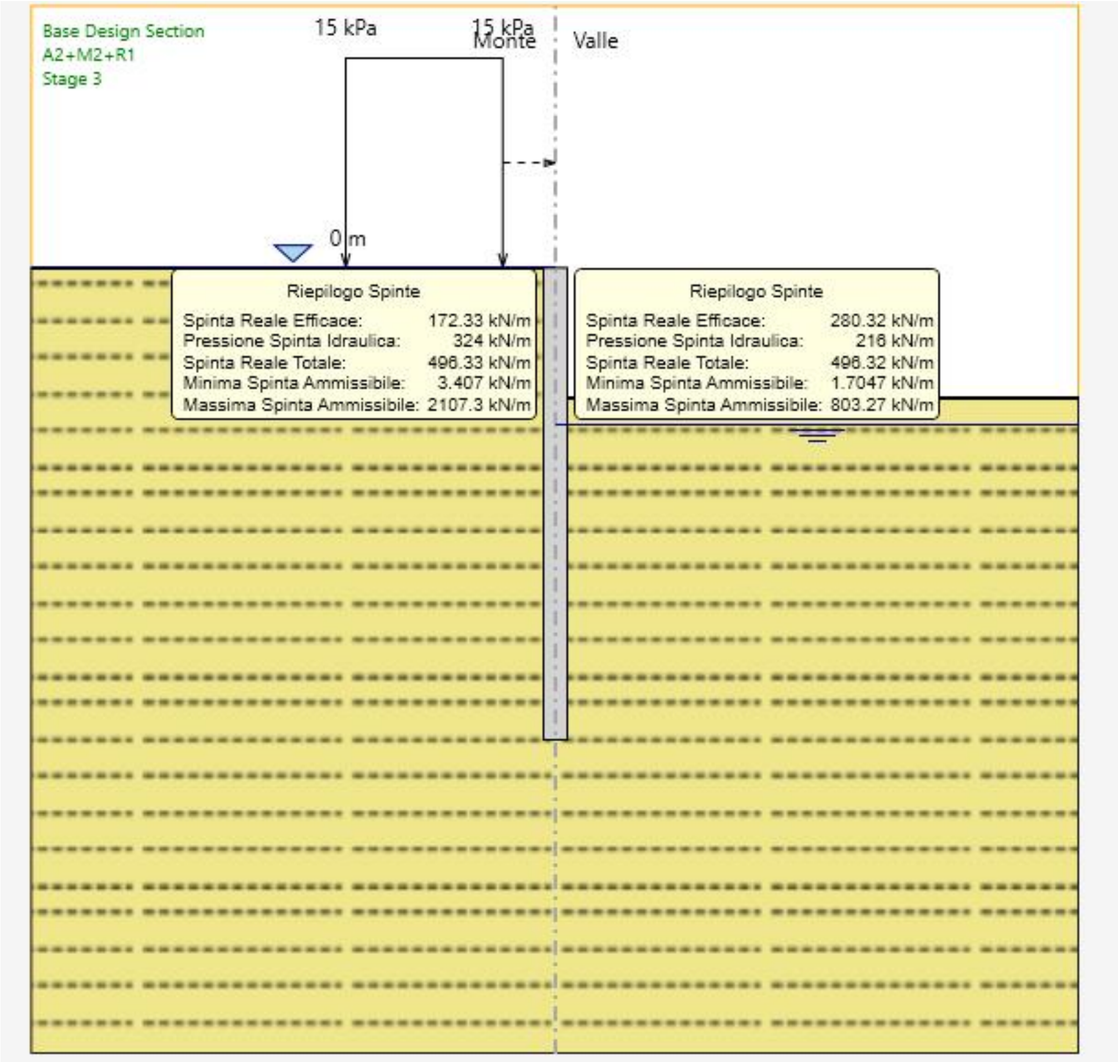
L'analisi dell'interazione terreno-struttura è stata svolta con il codice di calcolo PARATIE PLUS 2016. Tale software considera l'interazione terreno-struttura attraverso il metodo semplificato della trave su letto di molle alla Winkler. In dettaglio, il codice di calcolo Paratie schematizza il terreno con molle le cui rigidezze sono caratterizzate da leggi costitutive non lineari, del tipo elasto-plastico o elastico non lineare-plastico, con valori iniziali delle tensioni orizzontali efficaci pari a quelle geostatiche e valori limite pari a quelli attivi e passivi. Il software permette di verificare il comportamento della struttura in tutte le fasi costruttive.

Di seguito si riportano i risultati ottenuti dalle analisi effettuate. Per i tabulati di calcolo con i dati di input ed output delle sezioni esaminate vedere All. [2].

Si riportano in forma grafica:

- I risultati delle verifiche di stabilità geotecnica condotte in accordo alle NTC 2008, per gli SLU secondo l'Approccio 1 – Combinazione 2;
- le azioni interne da considerare ai fini delle verifiche strutturali della paratia, in accordo alleNTC 2008, per gli SLU secondo l'Approccio 1 – Combinazione 1
- i valori di spostamento agli SLE.

STABILITA' GEOTECNICA DELL'OPERA DI SOSTEGNO (A2+M2+R1)



Riepilogo delle spinte sulla paratia

SOLLECITAZIONI PER LE VERIFICHE STRUTTURALI (A1+M1+R1)

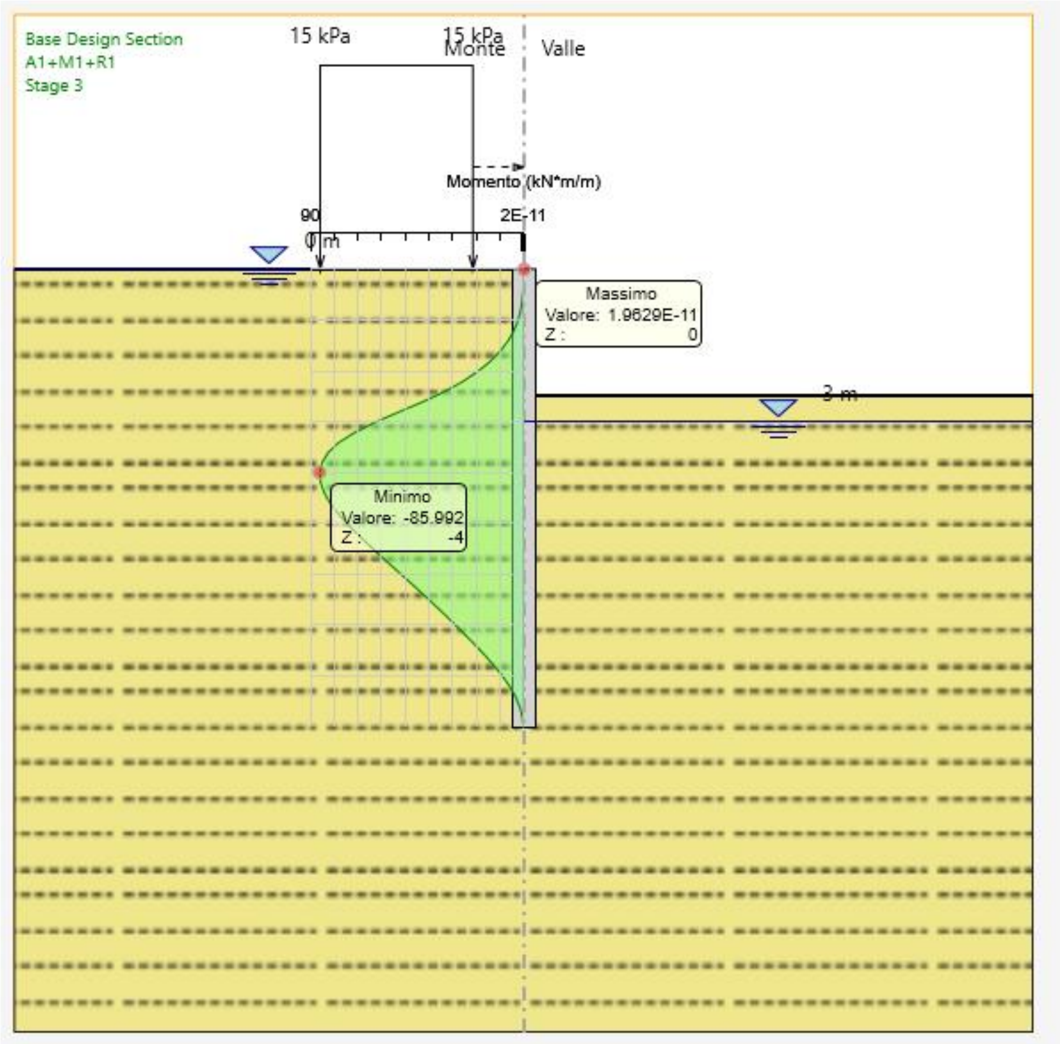


Grafico del momento (A1+M1+R1)

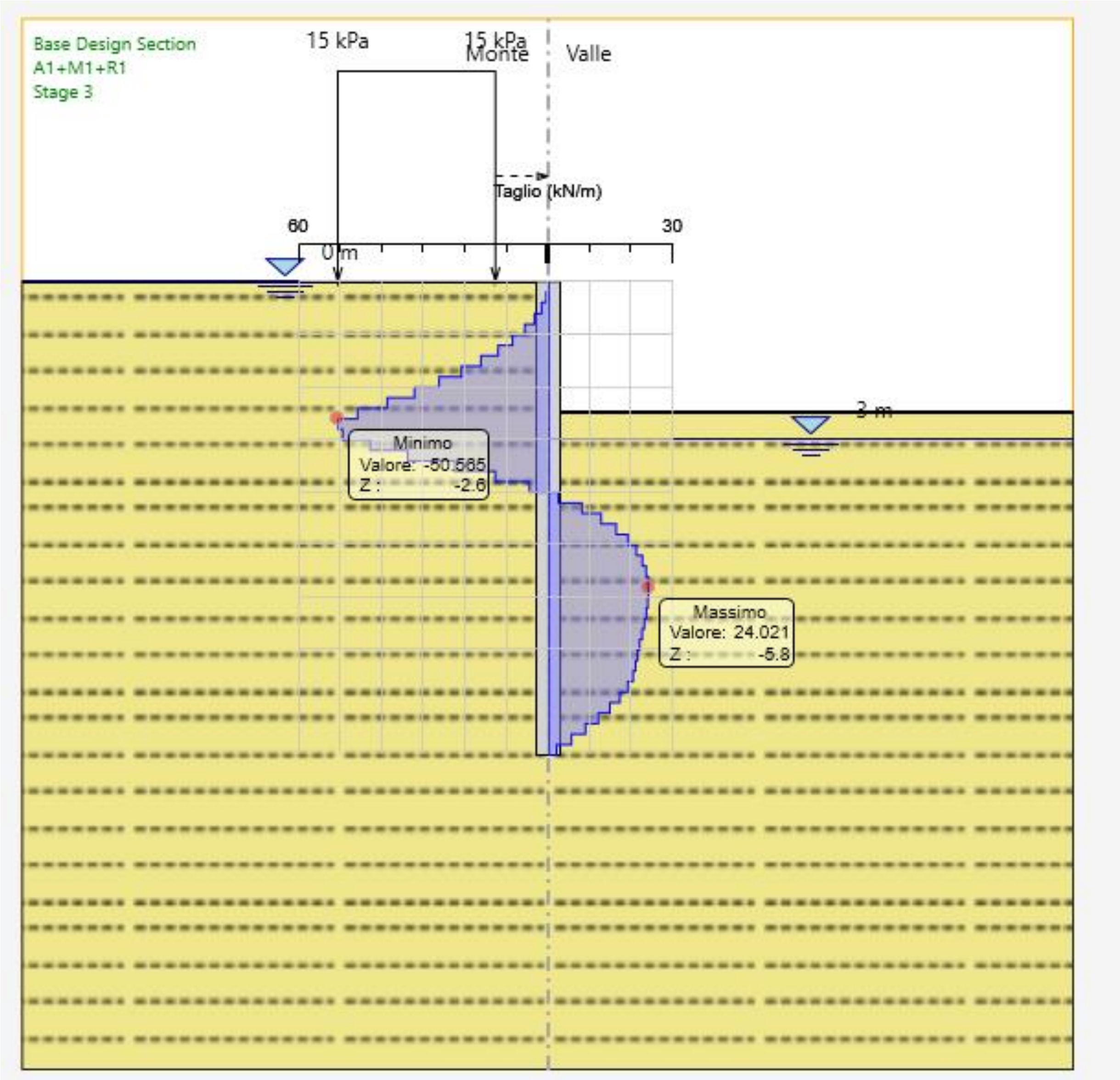


Grafico del taglio (A1+M1+R1)

SPOSTAMENTI (SLE)

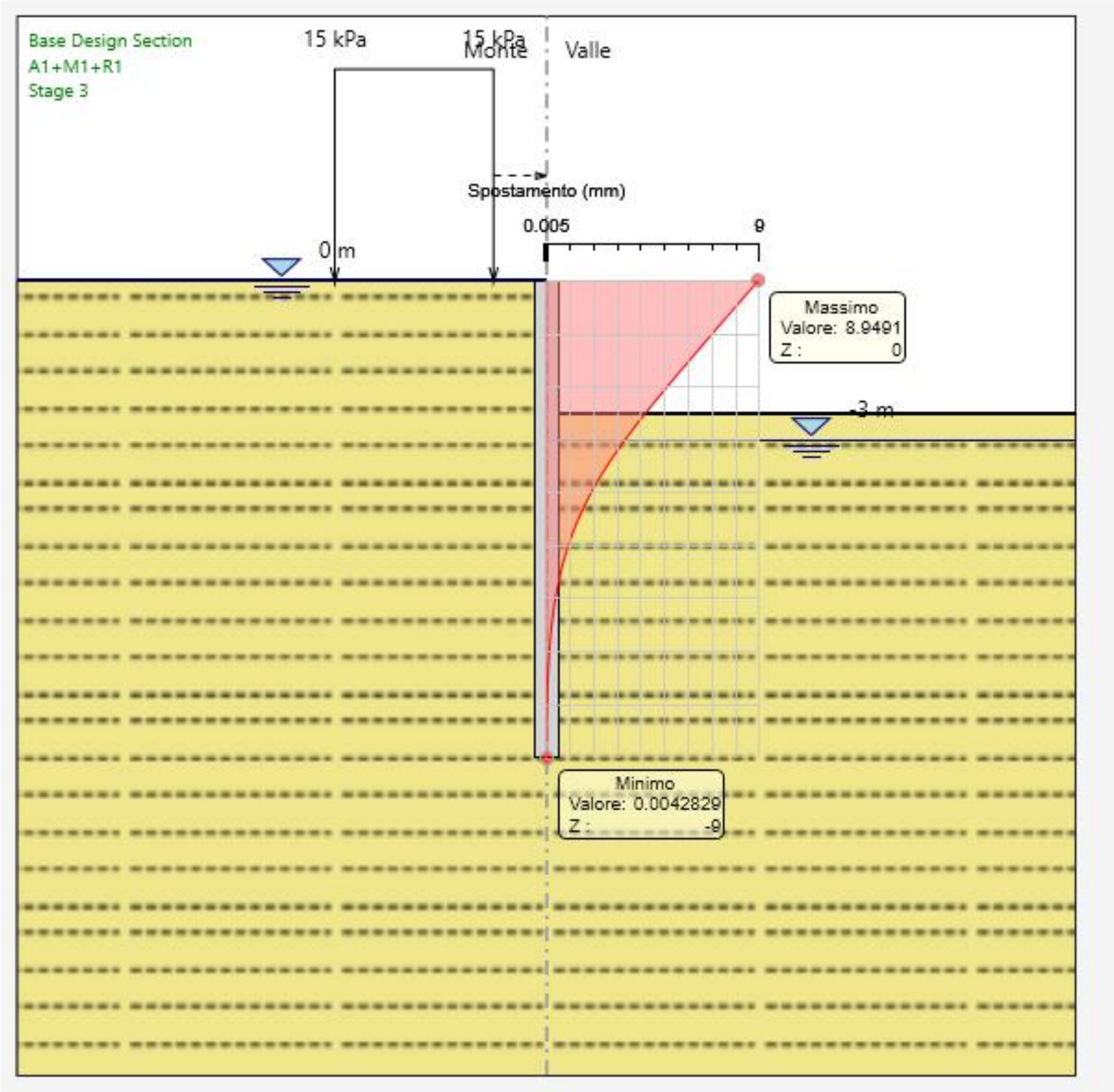


Grafico dello spostamento (SLE)

9. FASE DI SPINTA

9.1. Fase di spinta

La spinta necessaria per varare il manufatto viene calcolata in due fasi di esecuzione:

Al momento della spinta iniziale (fase1 - distacco)

configurazione che si ha all'inizio delle operazioni di spinta in cui i martinetti di spinta devono vincere l'attrito tra l'intradosso fondazione e la platea di varo; il coefficiente di attrito di primo distacco si assume pari all'unità, e non è invece presente alcun attrito del terreno sulle pareti laterali; questa configurazione risulta significativa per il dimensionamento dell'armatura della platea di varo, soggetta a prevalenti azioni di sforzo normale di trazione; è generato dalle azioni di attrito con la fondazione del monolite ed è parzialmente limitato dalle azioni di attrito tra la soletta ed il terreno sottostante.

P_1 peso monolite [kN]	11529
coefficiente d'attrito platea-monolite	1.00
Resistenza totale in fase di distacco [kN]	11529

Fine corsa dell'infissione (fase2)

fase in cui il monolite è totalmente immerso nel terreno e la spinta è nelle fasi finali; oltre alla resistenza dovuta al peso del monolite, si hanno quindi anche le resistenze dovute all'attrito laterale tra lo scatolare ed il terreno.

γ rilevato [kN/mc]	19.00
ϕ rilevato [°]	35.00
$\delta = 2/3\ \phi$ [°]	23.33
S_L superficie laterale [mq]	144.2 × 2 = 288.4
pressione media laterale a riposo [kN/mq]	42.00
R_1 attrito laterale [kN]	5225
P_1 peso monolite [kN]	11529
Coefficiente d'attrito platea-monolite	1.00 (cautelativo)
R_2 attrito sul fondo	11529
Resistenza massima in fase di spinta [kN]	**16754**

10. ANALISI E VERIFICHE DEI ROSTRI

10.1. Codice di calcolo – rispetto del capitolo 10.2 delle NTC

L'analisi dei rostri del monolite è stata condotta con un programma agli elementi finiti (SAP2000), schematizzando una parete verticale con elementi shell mutuamente incastrati, e schematizzando i tre puntoni di contrasto tra i rostri mediante elementi beam.

10.1.1. Tipo di analisi svolta

Trattandosi di opera interrata di tipo rigido la determinazione delle sollecitazioni sia in campo statico che in campo sismico è stata svolta mediante analisi statica lineare secondo le teorie classiche della Scienza delle Costruzioni, trascurando le eventuali capacità dissipative della struttura (q=1) e sfruttando il principio di sovrapposizione degli effetti.
L'analisi strutturale è stata svolta mediante un codice di calcolo FEM attraverso la modellazione con elementi di tipo "shell" a 4 nodi con 6 g.d.l.. Il metodo FEM sfrutta l'analisi di calcolo matriciale mediante costruzione della matrice di rigidezza della struttura. Le sollecitazioni ottenute per ciascun caso di carico vengono combinate tra loro mediante gli opportuni coefficienti di combinazione previsti dalla normativa secondo il principio di sovrapposizione degli effetti.
La verifica delle sezioni è stata svolta mediante calcolo dei valori di sollecitazione resistente allo SLU e mediante determinazione delle tensioni sui materiali o dell'ampiezza delle fessure per le verifiche agli SLE. Le operazioni di calcolo dei valori resistenti sono sviluppate mediante metodo analitico con l'ausilio di fogli di calcolo autoprodotti per automatizzare la procedura.
Le combinazioni di carico considerate per ciascuno stato limite sono riportate in forma tabellare nei capitoli specifici.

10.1.2. Origine e caratteristiche dei codici di calcolo

Per la determinazione delle sollecitazioni è stato impiegato il software FEM denominato SAP2000, prodotto dalla Computer e Structure inc. e distribuito dalla CSI Italia srl.

10.1.3. Affidabilità dei codici utilizzati

Riguardo il codice FEM impiegato, la casa produttrice ha provveduto alla produzione di tutti i documenti di validazione del software che non sono allegati alla presente relazione di calcolo per ragioni di sintesi, ma che possono essere forniti in qualsiasi momento o richiesti direttamente alla casa produttrice.

10.1.4. Informazioni generali sull'elaborazione

Sono stati eseguiti i seguenti controlli relativi al calcolo svolto mediante software FEM:

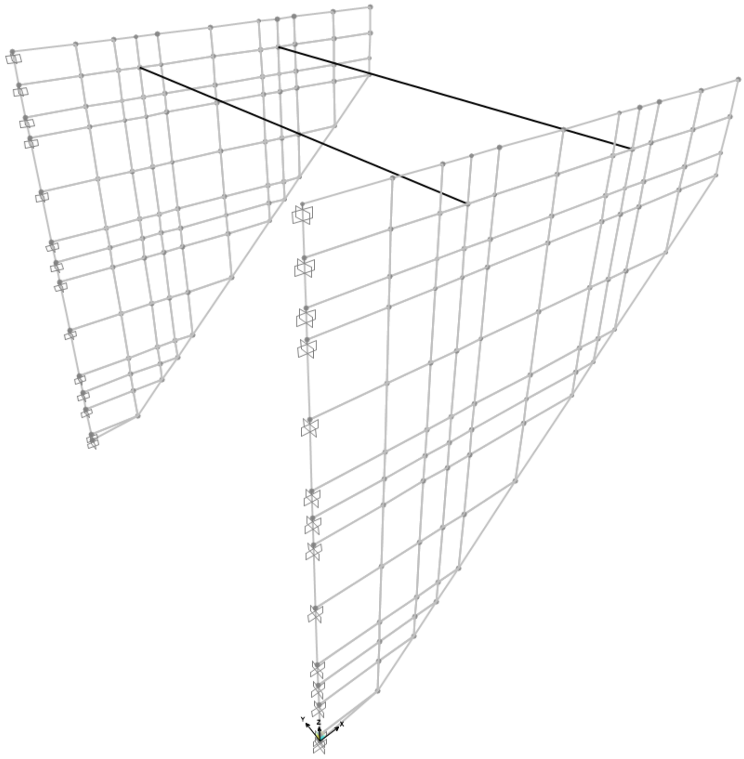
- verifica analitica della risultante dei carichi applicati al modello;
- verifica a vista della rispondenza dei diagrammi di momento flettente e delle deformate con i carichi applicati;
- verifica analitica dei valori di sollecitazione mediante combinazione dei carichi elementari.

10.1.5. Giudizio motivato di accettabilità dei risultati

Data la semplicità dello schema di calcolo e l'impiego di una modellazione FEM con 6 g.d.l., i risultati numerici svolti portano a risultati perfettamente rispondenti al medesimo calcolo svolto con linea elastica indipendentemente dalla geometria o dal numero di elementi impiegati per la modellazione. Si escludono pertanto errori di calcolo legati al metodo numerico.
Le verifiche svolte in corso di analisi, riassunte precedentemente, consentono l'individuazione di eventuali errori grossolani di modellazione geometrica o di modellazione, applicazione e combinazione dei carichi.
Le verifiche strutturali svolte in via analitica secondo la formulazione classiche della Scienza delle Costruzioni, escludono la possibilità di errori numerici di calcolo.

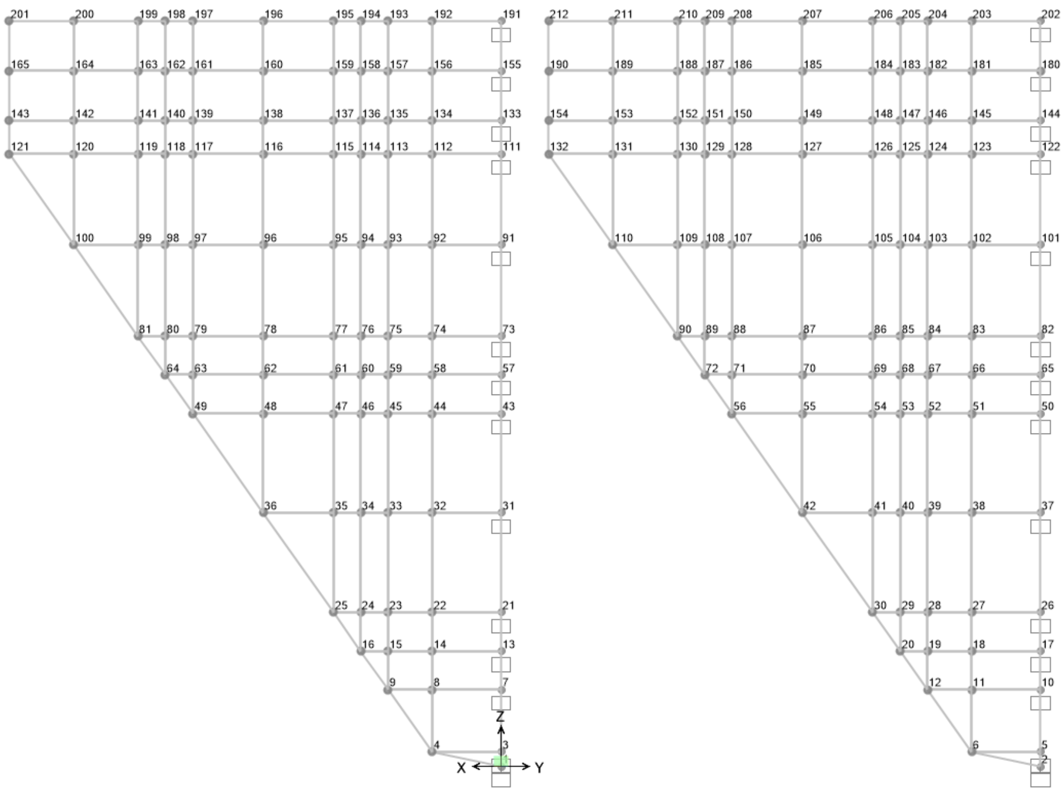
10.2. Modellazione adottata

La parete modellata ha un'altezza massima pari a 6.75m in corrispondenza dell'attacco al monolite, un'altezza minima di 1.20m in corrispondenza dell'estremità libera, ed uno sviluppo di 6.30m; lo spessore attribuito agli elementi shell è pari allo spessore della parete (0.90m).
Tale modello viene vincolato mediante l'applicazione di incastri lungo i lati corrispondenti all'attacco della parete ai piedritti dello scatolare.
La mesh è composta da 170 shell, 2 beam e da 198 nodi.
Lo schema statico della struttura e la relativa numerazione dei nodi e delle piastre sono riportati nelle seguenti figure.

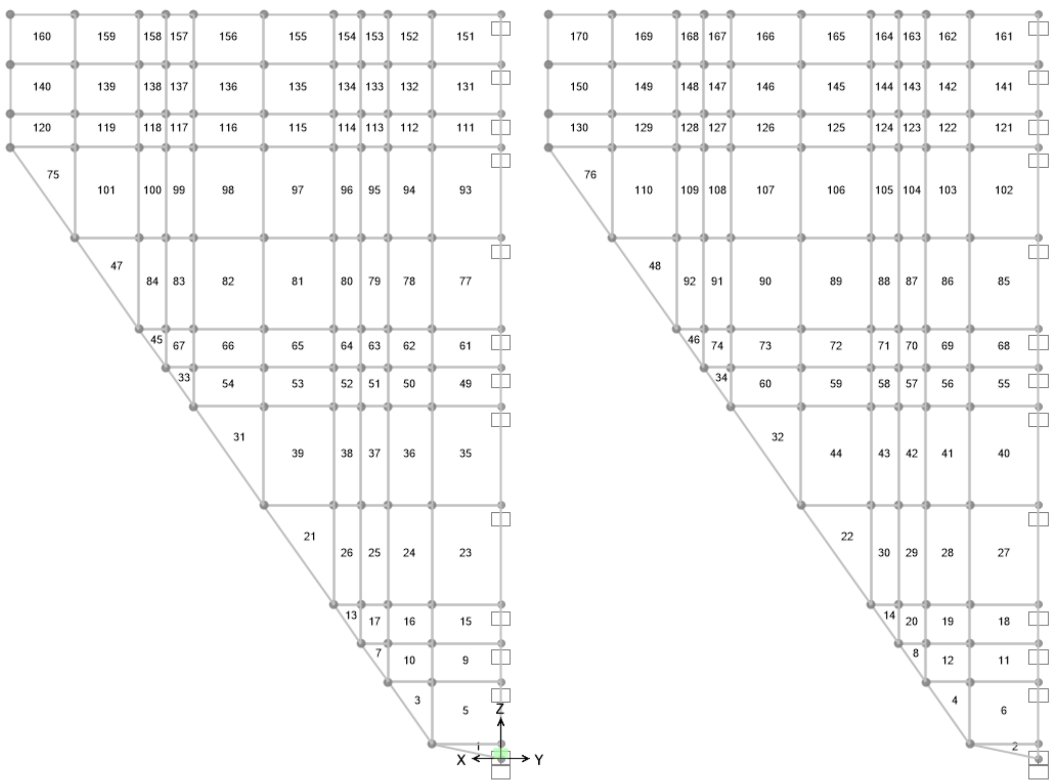


Schema statico

10.2.1. Numerazione elementi modello



Numerazione nodi



Numerazione elementi shell

10.2.2. Analisi dei carichi

Nel seguente paragrafo si descrivono i carichi elementari da assumere per le verifiche di resistenza in esercizio ed in presenza dell'evento sismico.
Vengono prese in considerazione le condizioni elementari di carico di seguito determinate.
Tali Combinazioni Elementari saranno opportunamente combinate secondo quanto previsto dalla normativa di riferimento.

10.2.2.1. Peso proprio strutture (Load 1)

Per i materiali si assumono i seguenti pesi specifici:

- calcestruzzo armato: $\gamma_{c.a.}$ = 25 kN/m³
- rilevato: γ_{ril} = 20 kN/m³

Si riporta di seguito il calcolo del peso proprio della struttura:

- parete rostro $S_s \times \gamma_{c.a.}$ = 0.9 × 25.00 = **22.50 kN/m²**
- puntone $b \times h \times \gamma_{c.a.}$ = 0.7 × 0.9 × 25.00 = **15.75 kN/m**

10.2.2.2. Spinta del terreno durante le fasi di spinta (Load 2)

Durante la fase di varo la condizione di carico più sfavorevole si ha quando il rostro è posto al di sotto del binario esistente, ed in tale situazione la spinta delle terre viene calcolata a partire dalla quota di p.f..
Si riporta di seguito il calcolo delle pressioni agenti sulla struttura:
Pressione al filo superiore:
P_1 (h_1 = 0.80m) $= k_0 \times (H_{ric} \times \gamma_t) = 0.50 \times (0.80 \times 20.0)$ = **8.00 kN/m²**
Pressione al filo inferiore:
P_2 (h_2 = 7.55m) $= k_0 \times (H_{ric} + H_{scat}) \times \gamma_t = 0.50 \times (7.55 \times 20.0)$ = **75.46 kN/m²**

10.2.2.3. Carico mobile verticale sui puntoni (Load 3)

Si considera agente sul puntone di calcestruzzo il carico verticale dovuto allo scarico del sistema provvisorio di sostegno dei binari. A favore di sicurezza si considera agente sulla trave in calcestruzzo l'intero carico dovuto al traffico ferroviario pesante, schematizzato da un carico uniformemente ripartito.
Si considera agente sulla trave di calcestruzzo il carico dovuto al treno di carico SW/2:
q_{vk} = 150 kN/m
amplificato del coefficiente dinamico per linee a "ridotto standard manutentivo":
ϕ_3 = 1.18.
Si considera inoltre agente il carico dovuto al peso proprio della passerella ESSEN e del relativo materiale di armamento:
q_{Essen} =21.05kN/m

10.2.2.4. Spinta del sovraccarico a tergo parete (Load 4)

Si considera a tergo della parete un sovraccarico accidentale di 40 kN/m²; la pressione orizzontale sulla parete dovuta a tale carico è pari a:
$p = q \times k_0 = 40.00 \times 0.50 =$ **20.00 kN/m²**

10.2.3. Condizioni e combinazioni di carico adottate

Le condizioni elementari di carico considerate sono di seguito riassunte:

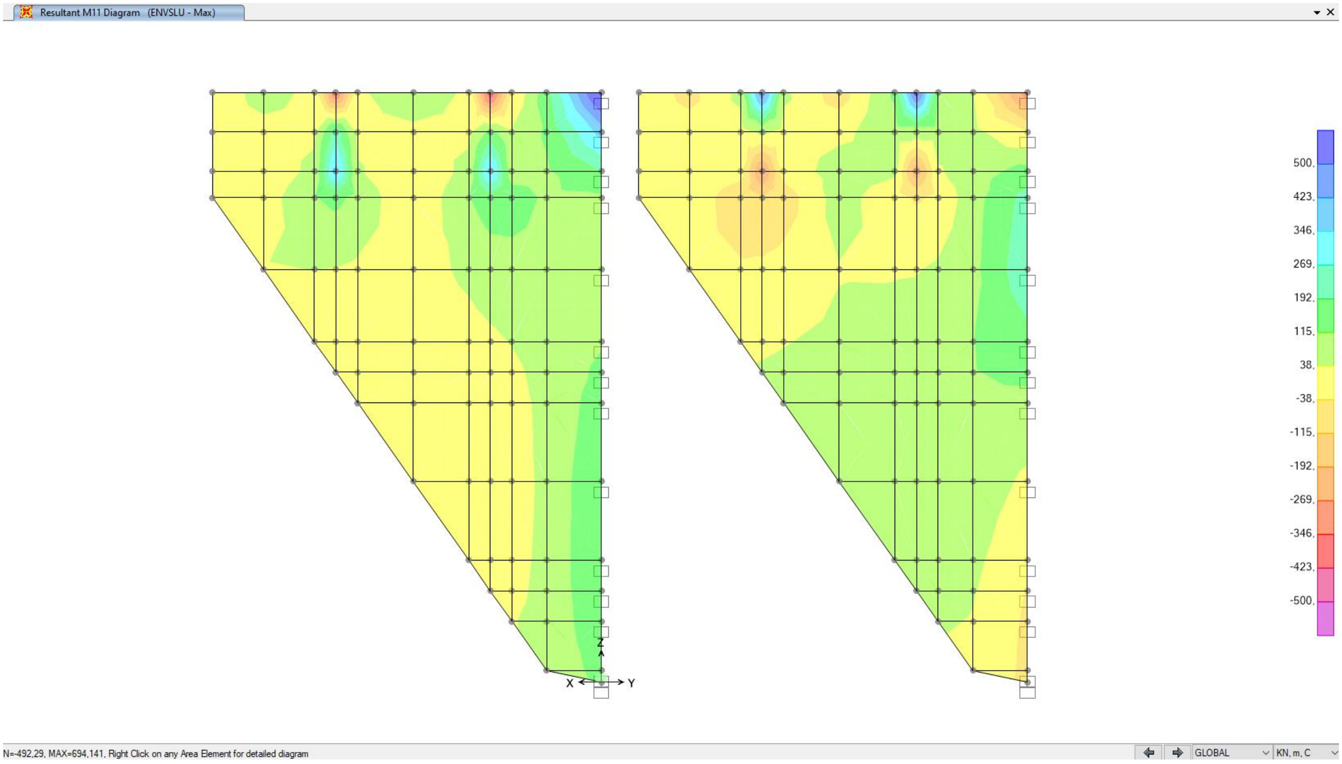
Load	Tipo	Carico
1	Ggk	Peso proprio della struttura
2	Gk	Spinta del terreno in fase di spinta
3	Qk	Carico mobile verticale
4	Sk	Spinta sovraccarico a tergo parete in condizioni di spinta

I carichi caratteristici sopra elencati, al fine di ottenere le sollecitazioni di progetto per effettuare le successive verifiche, sono opportunamente combinati fra loro come da tabella riportata.

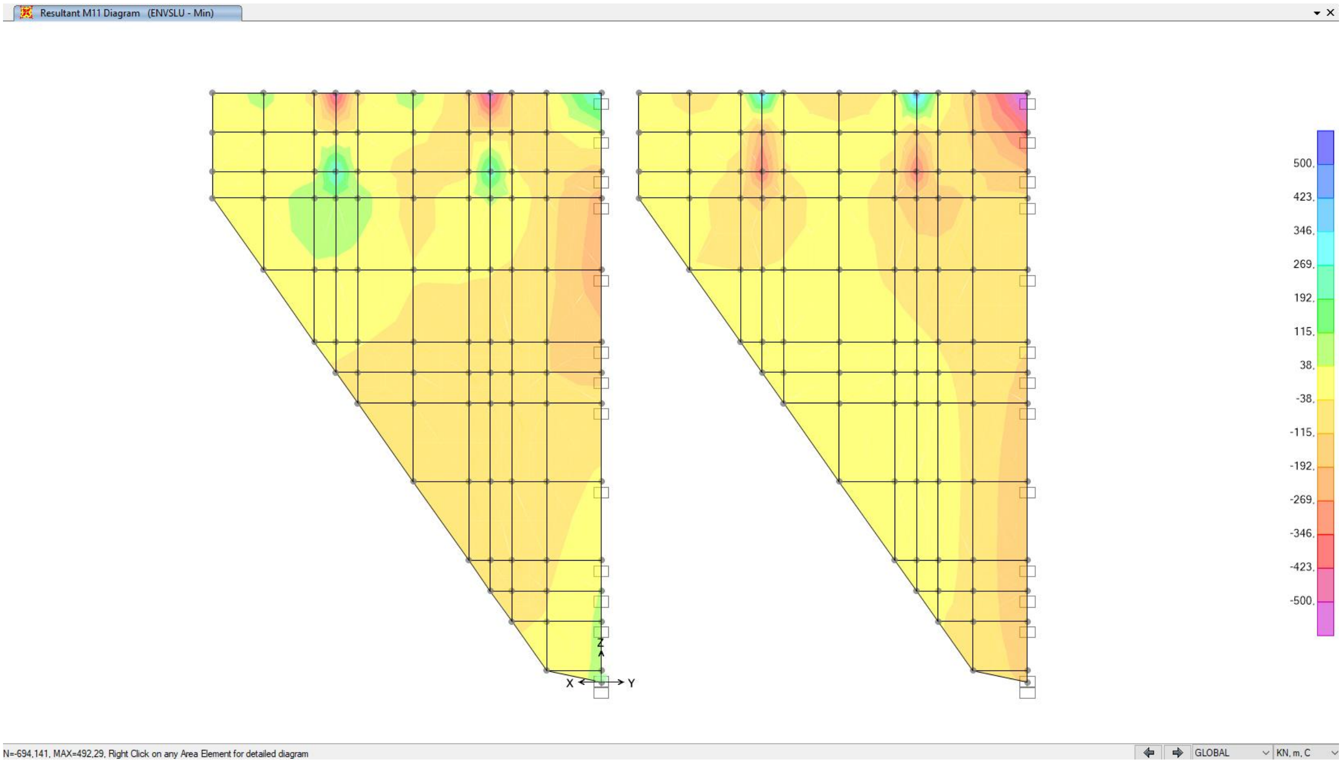
n° CC		P.P	Spinta terreno (spinta)	Carico mobile verticale	Spinta sovr. (spinta)
		1	2	3	4
1	*Fase di spinta*	1.35	1.35	1.45	1.45
2	*Fase di spinta*	1	1.3	1.45	1.45

10.2.4. Diagrammi di inviluppo rostro

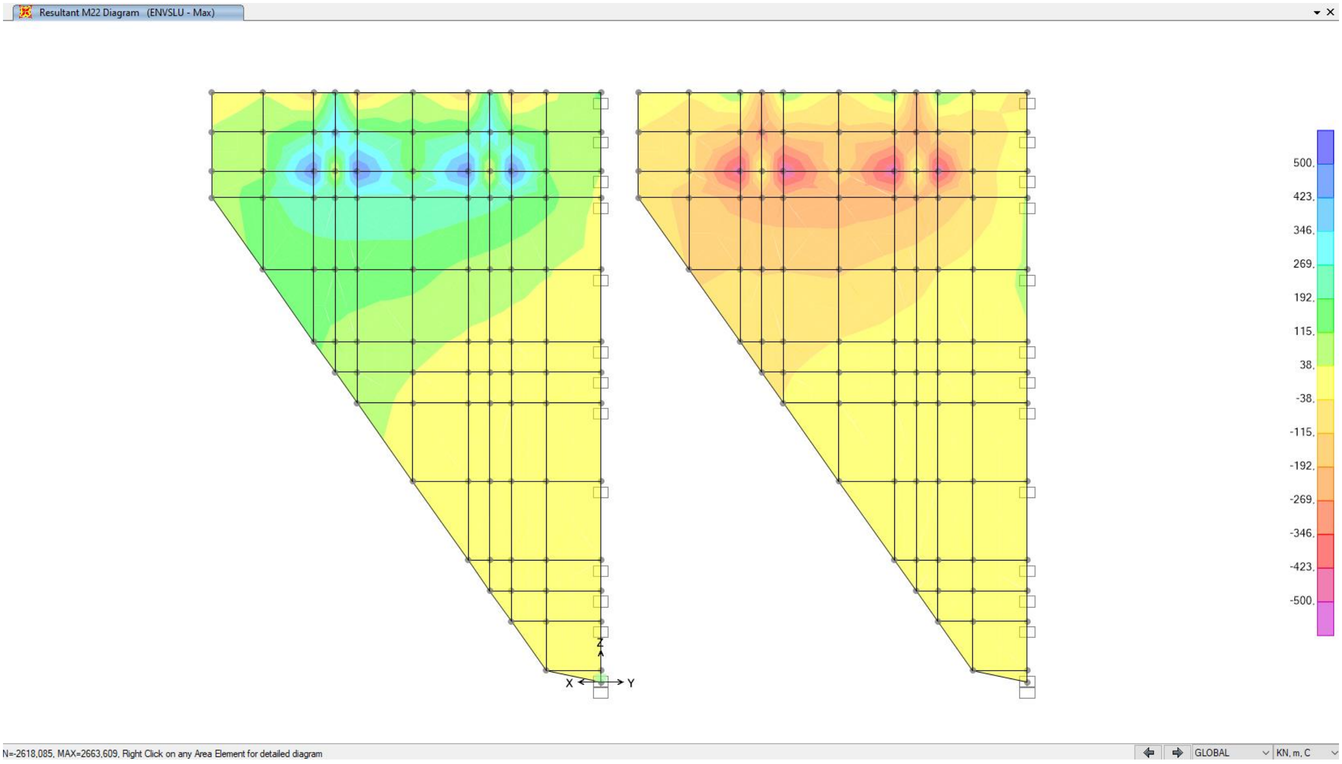
10.2.4.1. Inviluppo momento flettente m11 – max



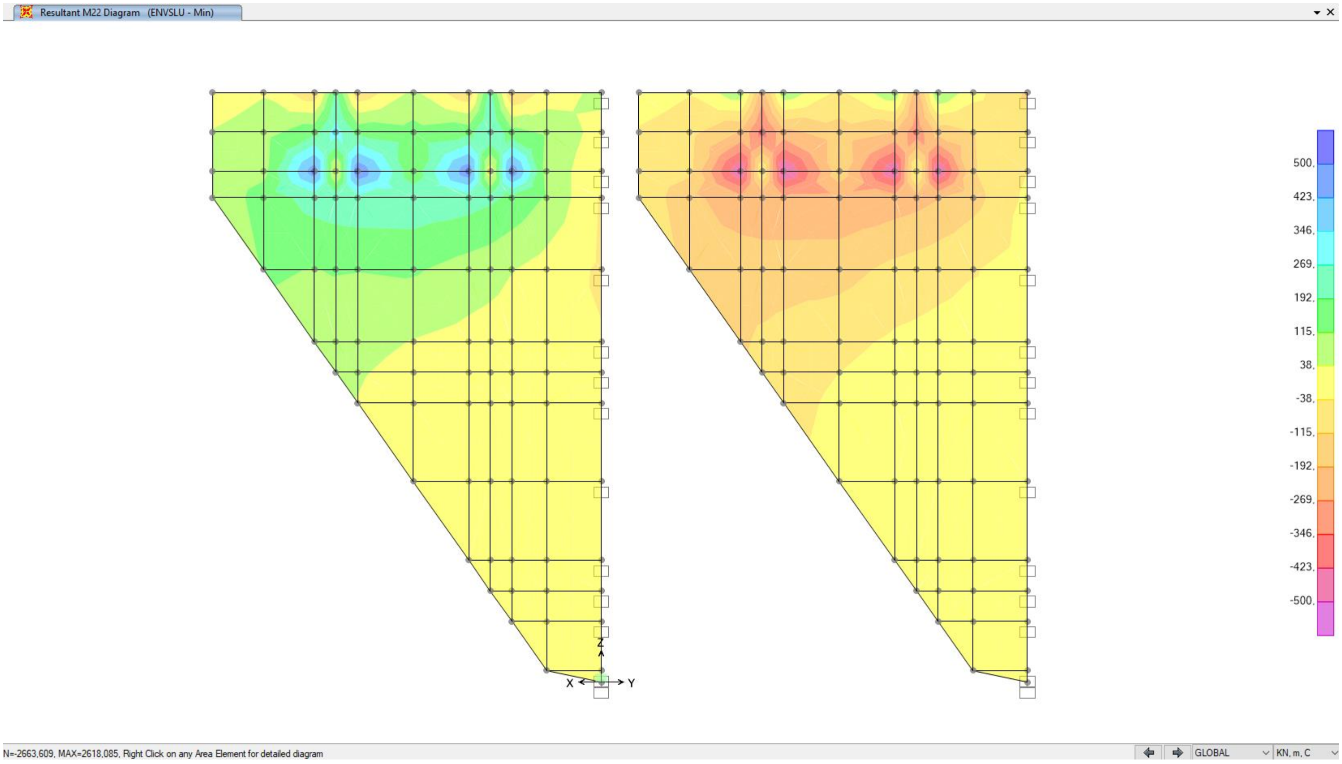
10.2.4.2. Inviluppo momento flettente m11 – min



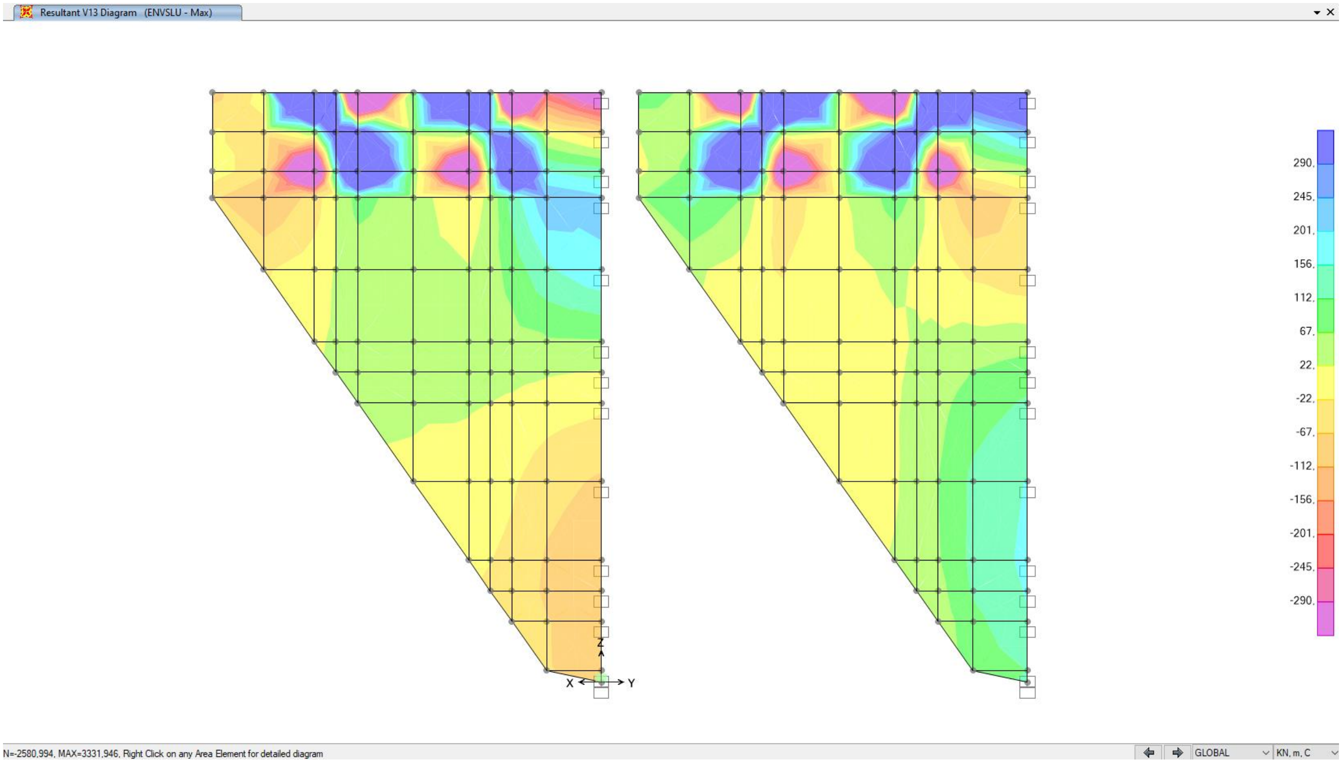
10.2.4.3. Inviluppo momento flettente m22 – max



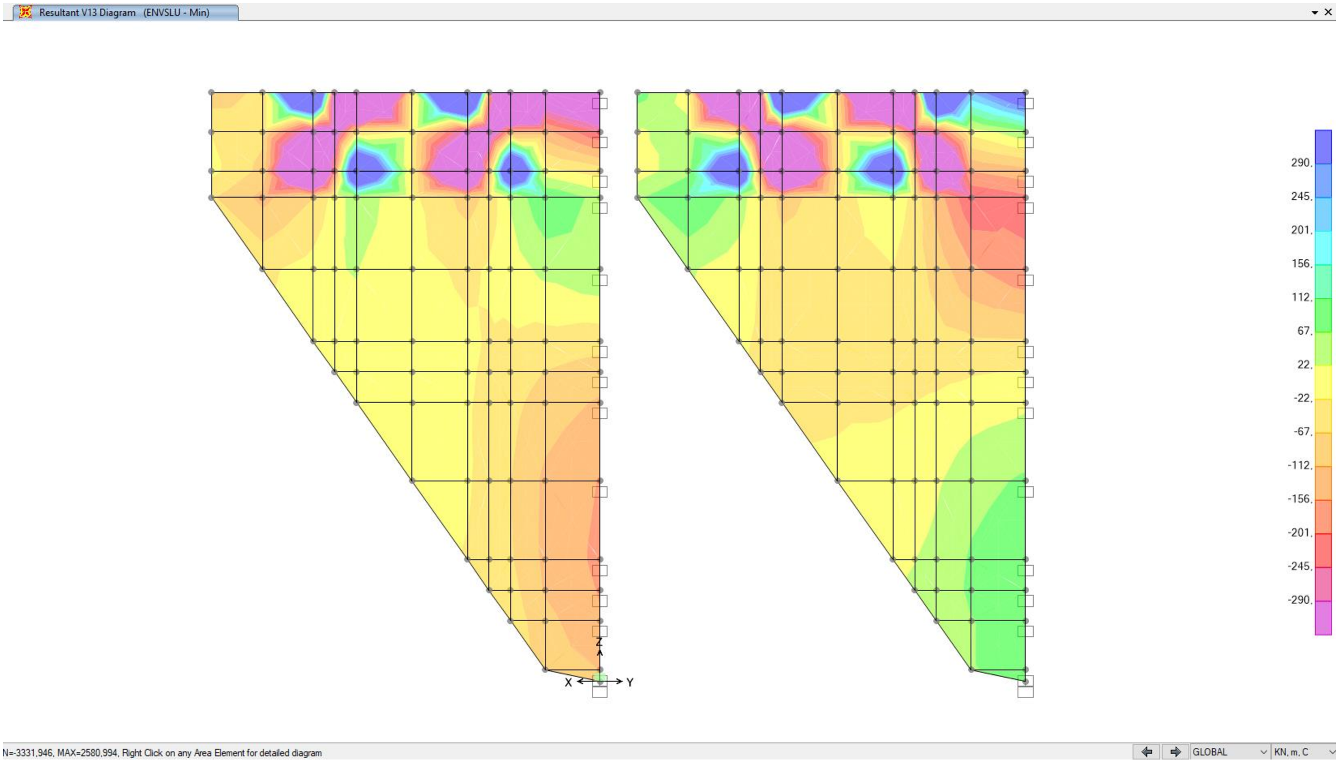
10.2.4.4. Inviluppo momento flettente m22 - min



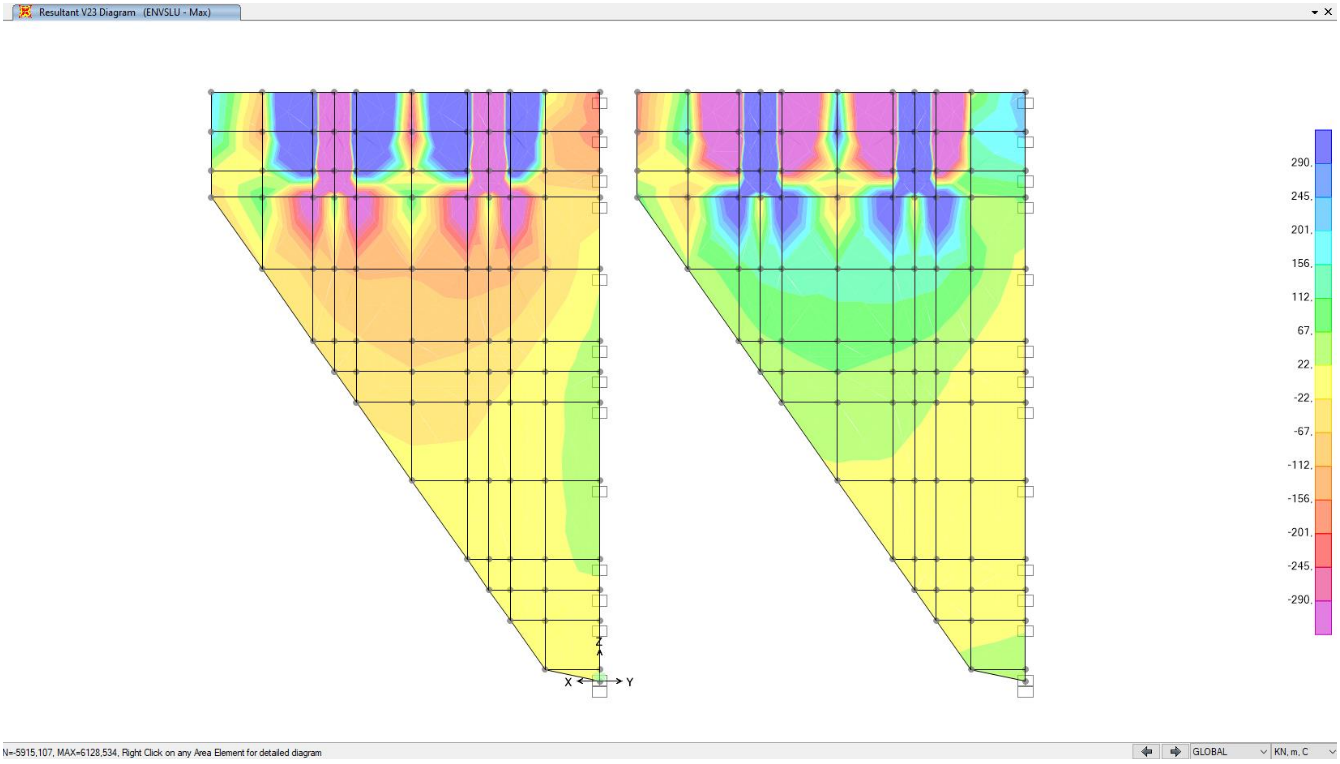
10.2.4.5. Inviluppo taglio v13 – max



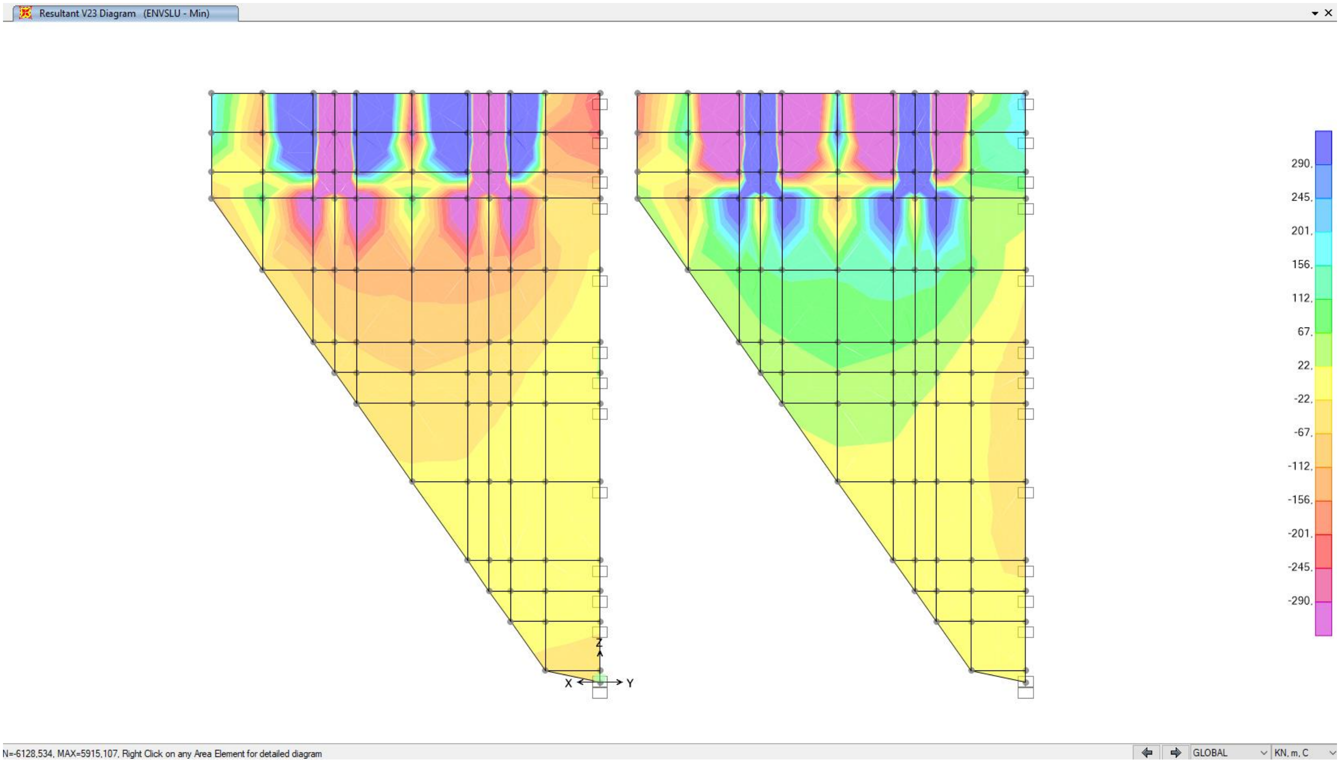
10.2.4.6. Inviluppo taglio v13 – min



10.2.4.7. Inviluppo taglio v23 – max

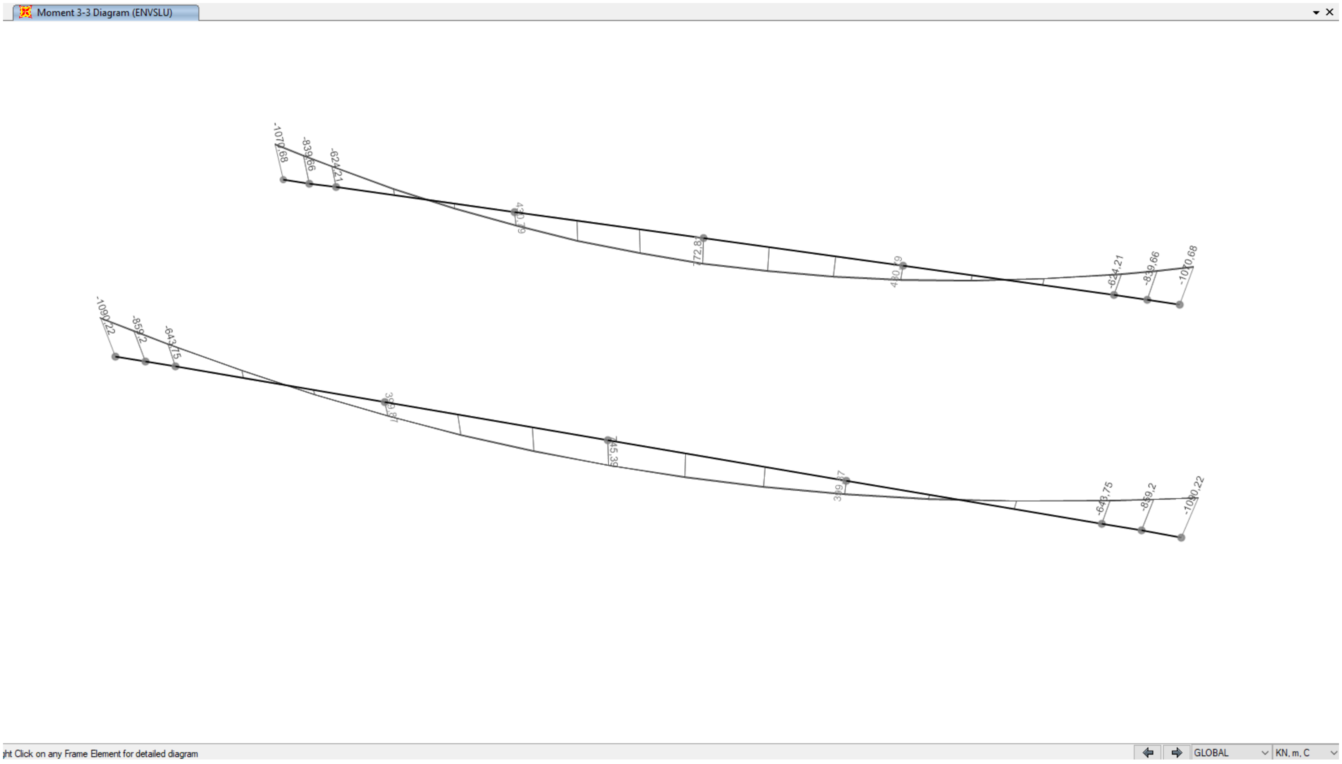


10.2.4.8. Inviluppo taglio v23 – min

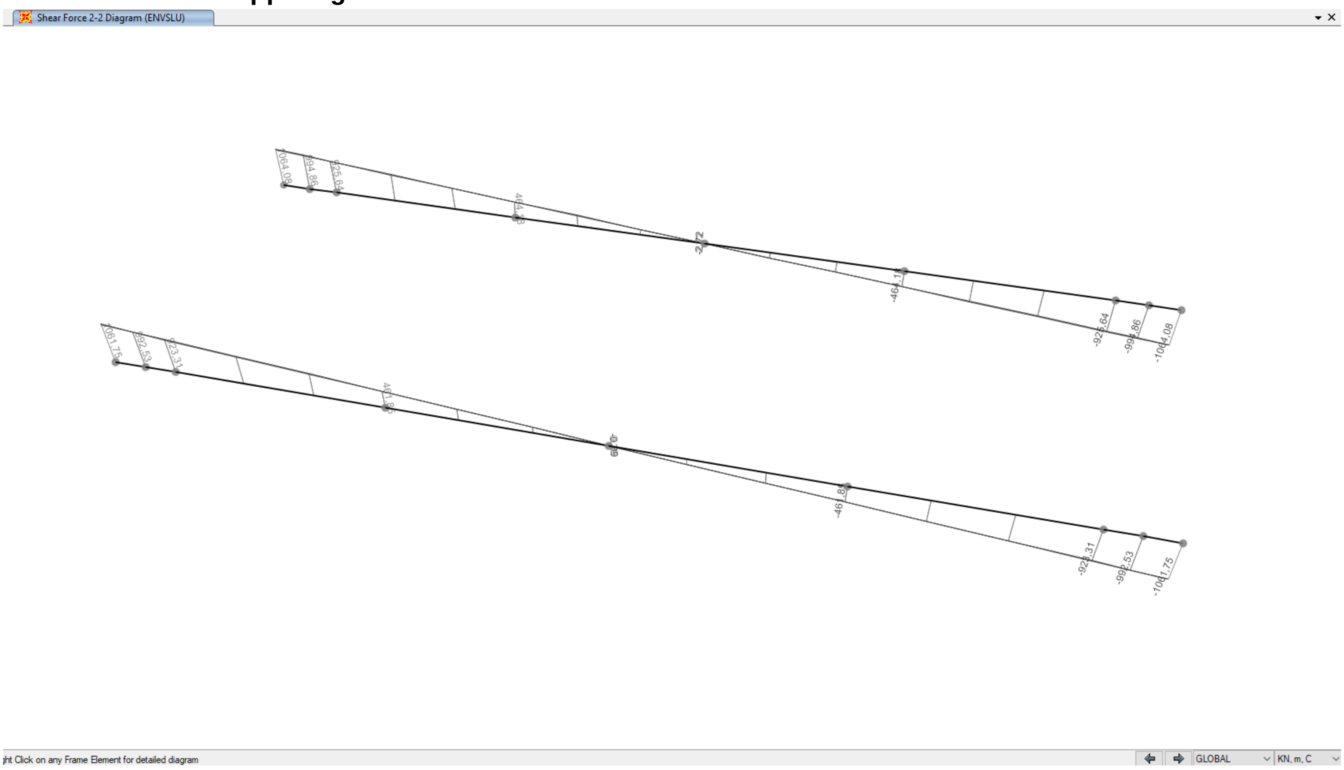


10.2.5. Diagrammi di inviluppo puntoni

10.2.5.1. Inviluppo momento flettente



10.2.5.2. Inviluppo taglio



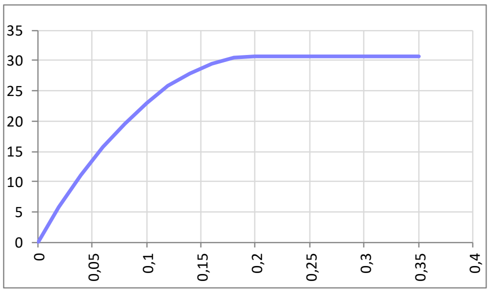
10.2.6. Verifica di resistenza ultima – rostro

10.2.6.1. Caratteristiche della sezione

CARATTERISTICHE MATERIALI

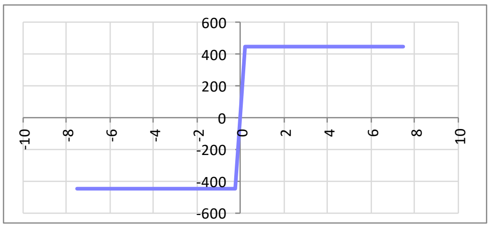
Calcestruzzo:

Classe	C30/37	
R_{ck}	37,00	N/mm^2
f_{ck}	30,71	N/mm^2
f_{cm}	38,71	N/mm^2
f_{ctm}	2,94	N/mm^2
$f_{ctk,0.05}$	2,06	N/mm^2
$f_{ctk,0.95}$	3,82	N/mm^2
f_{cfm}	3,53	N/mm^2
E_{cm}	33019,43	N/mm^2
ε_{c2}	0,200	%
ε_{c3}	0,175	%
ε_{c4}	0,070	%
ε_{cu}	0,350	%
n	2,000	
tipo cemento	N	



Acciaio:

Classe	B450C	
Tipologia comportamer	EL-PL	
$k = (f_t/f_y)_k$	1	
f_{yk}	450	N/mm^2
f_{tk}	540	N/mm^2
E_s	200000	N/mm^2
ε_{su}	7,500	%



Coefficiente di omogenizzazione:

n,breve termine	5,77	=Es/Ec	
umidità relativa	75	%	
giorno app. carico	15	giorni	
periodo lungo termine	50	anni	
coefficiente di viscosità	1,98		
n,lungo termine=	11,41	=Es/Ecm	
n,verifiche QP	15,0	=Es/Ecm	lungo termine
n,verifiche CAR	15,0	=Es/Ecm	breve termine

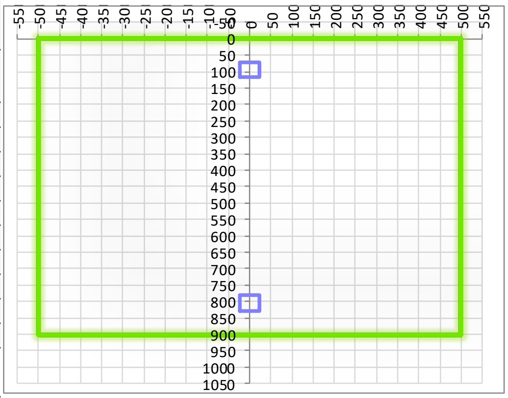
CARATTERISTICHE SEZIONE

Sezione:

B=	1000	mm
H=	900	mm

Armature:

Pos.	n° barre	ø mm	yi mm	As mm^2
1	5	24	94	2261,9467
2	5	24	806	2261,9467
3				0
4				0
5				0
6				0
7				0
8				0
9				0
10				0



Armatura di ripartizione:

Pos.	n° barre	ø mm	yi mm	As mm^2
superiore	5	24	70	2261,9467
inferiore	5	24	830	2261,9467

10.2.6.2. Verifiche allo stato limite ultimo per flessione m11

CRITERI DI VERIFICA

Coefficienti di sicurezza allo SLU

Calcestruzzo

α_{cc}	0,85		
γ_c	1,50		
f_{cd}	20,47	N/mm^2	
$f_{ct,eff}$=	2,45	N/mm^2	=f_{ctm} / 1,2

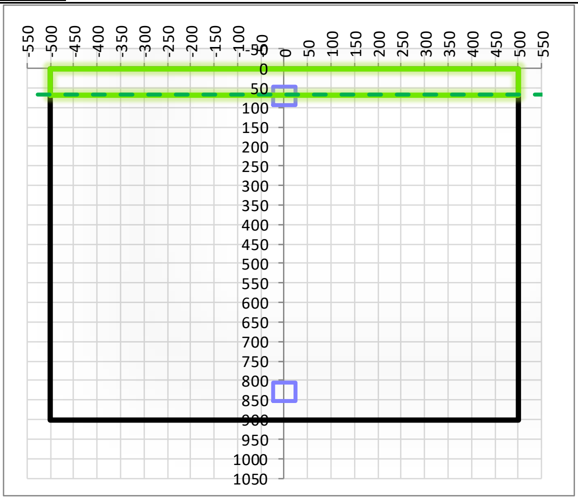
Acciaio

γ_s	1,15	
f_{yd}	391,30	N/mm^2
ε_{yd}	0,196	%

STATO LIMITE ULTIMO - PRESSOFLESSIONE

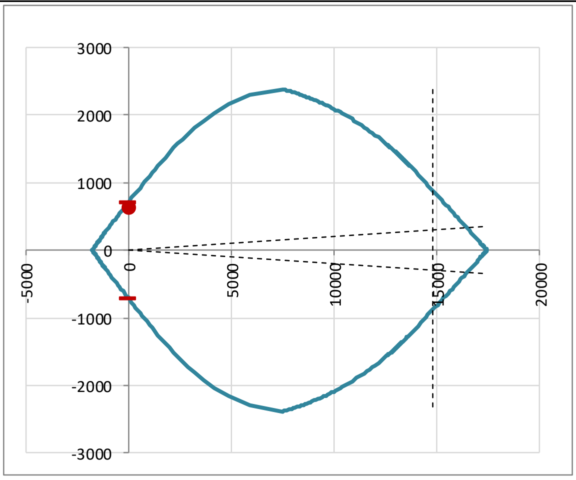
Combinazione	area/nodo	NSd [kN]	MSd [kNm]	NRd+ [kN]	NRd- [kN]	MRd+ [kNm]	MRd- [kNm]	MSd/MRd
SLU	161/202	0,0	627,7	17432,32	-1770,22	712,51	-712,51	88%

Sezione:



Fibre compresse		Superiori
$\sigma_{c,max}$=	17,40	N/mm^2
$\sigma_{s,min}$=	-391,30	N/mm^2
$\varepsilon_{c,max}$=	0,35	%
$\varepsilon_{s,min}$=	-3,97	%
d=	830,00	mm
x=	67,31	mm
x/d=	0,08	

Dominio M-N



Combinazione	fram/nodo	NSd [kN]	MSd [kNm]
SLU	161/202	0,0	627,7

10.2.6.3. Verifiche allo stato limite ultimo per flessione m22

CRITERI DI VERIFICA

Coefficienti di sicurezza allo SLU

Calcestruzzo

α_{cc}	0,85		
γ_c	1,50		
f_{cd}	20,47	N/mm^2	
$f_{ct,eff}$=	2,45	N/mm^2	=f_{ctm} / 1,2

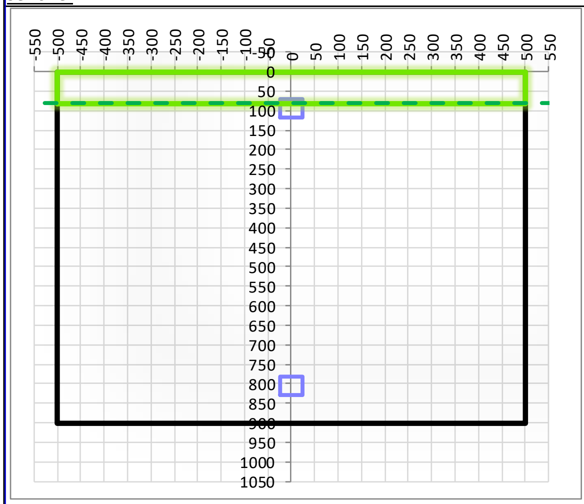
Acciaio

γ_s	1,15	
f_{yd}	391,30	N/mm^2
ε_{yd}	0,196	%

STATO LIMITE ULTIMO - PRESSOFLESSIONE

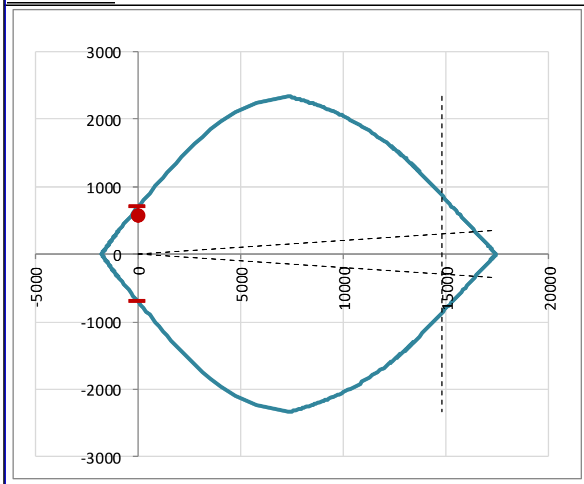
Combinazione	area/nodo	NSd [kN]	MSd [kNm]	NRd+ [kN]	NRd- [kN]	MRd+ [kNm]	MRd- [kNm]	MSd/MRd
SLU	132/135	0,0	574,6	17432,32	-1770,22	698,99	-698,99	82%

Sezione:



Fibre compresse		Superiori
$\sigma_{c,max}$=	17,40	N/mm^2
$\sigma_{s,min}$=	-391,30	N/mm^2
$\varepsilon_{c,max}$=	0,35	%
$\varepsilon_{s,min}$=	-3,13	%
d=	806,00	mm
x=	80,95	mm
x/d=	0,10	

Dominio M-N



Combinazione	fram/nodo	NSd [kN]	MSd [kNm]
SLU	132/135	0,0	574,6

10.2.6.4. Verifiche allo stato limite ultimo taglio

CALCESTRUZZO			
Calsse calcestruzzo		C30/37	
Resistenza cubica caratteristica	Rck	37,00	Mpa
Resistenza cilindrica caratteristica	f_{ck}	30,71	Mpa

ACCIAIO		
Tipologia	B450C	
Reisitenza caratteristica allo snervamento	450	Mpa

COEFFICIENTI MATERIALE		
Coefficiente di sicurezza per il calcestruzzo	γ_c	1,50
Coefficiente riduttivo per resistenze di lunga durata	α_{cc}	0,85
Coefficiente di sicurezza per l'acciaio	γ_s	1,15

GEOMETRIA SEZIONE C.A.					
Base	b	1000 mm			
Altezza	h	900 mm			
Barre tese		*numero barre*	*diametro barre [mm]*	*copriferro in asse barra [mm]*	*Area barre [mm2]*
strato1		5	24	70	2262
strato2		0	0	0	0
strato3		0	0	0	0
strato4		0	0	0	0
strato5		0	0	0	0
Area barre tese	A_s	2262 mm2			
Posizione della barra equivalente	c*	70 mm			

SOLLECITAZIONI			
Load Case		SLU	
Area/nodo		132/157	
Azione assiale (+ di compressione)	N_{Ed}		kN
Taglio	V_{Ed}	1856,33	kN

VERIFICA RESISTENZA SEZIONE SENZA ARMATURA A TAGLIO			
Altezza utile della sezione	d	830	mm
Coefficiente	k	1,49	
Rapporto di armatura longitudinale	ρl	0,27%	
Tensione assiale media	σ_{cp}	0,00	N/mm2
	0.2 x f_{cd}	3,48	N/mm2
	ν_{min}	0,35	N/mm2
Resistenza al taglio minima	$V_{rd,min}$	293,06	kN
Resistenza al taglio senza armatura	$\mathbf{V_{rd}}$	**301,48**	**kN**
Verifica		6,16	***E' necessario prevedere armatura a taglio***

ARMATURA A TAGLIO			
Diametro staffe	ϕ	12	mm
Numero braccia	n	5	
Passo staffe	s	200	mm
Inclinazione staffe (rispetto all'orizzontale)	α	90	°
Inclinazione del puntone in calcestruzzo	θ	22	°
Valore minimo di inclinazione del puntone in calcestruzzo	θ_{min}	21,80	°

VERIFICA RESISTENZA SEZIONE CON ARMATURA A TAGLIO			
Coefficiente di riduzione per fessurazione	ν_1	0,5	
Resistenza cilindrica di progetto	f_{cd}	17,40233333	N/mm2
Area armatura a taglio	A_{st}	565,49	mm2
	σ_{cp}/f_{cd}	0	
Coefficiente di interazione	α_{cw}	1	
Resistenza a tagio per rottura delle armature	$\mathbf{V_{rds}}$	**2045,59**	**kN**
Resistenza a taglio per rottura del puntone in calcestruzzo	$\mathbf{V_{rcd}}$	**2257,56**	**kN**
Resistenza al taglio	$\mathbf{V_{rd}}$	**2045,59**	**kN**

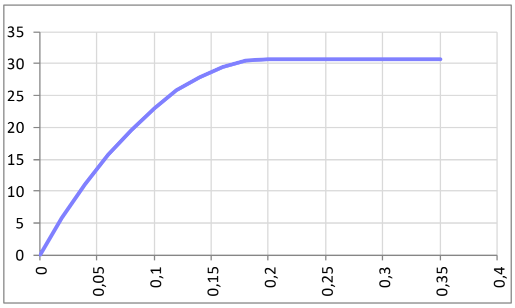
10.2.7. Verifica di resistenza ultima – puntoni

10.2.7.1. Caratteristiche della sezione

CARATTERISTICHE MATERIALI

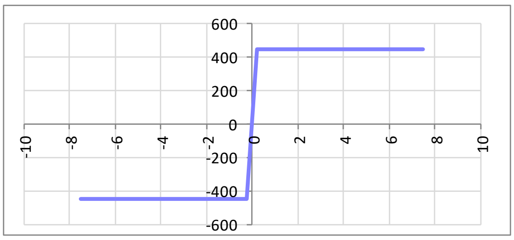
Calcestruzzo:

Classe	C30/37	
R_{ck}	37,00	N/mm^2
f_{ck}	30,71	N/mm^2
f_{cm}	38,71	N/mm^2
f_{ctm}	2,94	N/mm^2
$f_{ctk,0.05}$	2,06	N/mm^2
$f_{ctk,0.95}$	3,82	N/mm^2
f_{cfm}	3,53	N/mm^2
E_{cm}	33019,43	N/mm^2
ε_{c2}	0,200	%
ε_{c3}	0,175	%
ε_{c4}	0,070	%
ε_{cu}	0,350	%
n	2,000	
tipo cemento	N	



Acciaio:

Classe	B450C	
Tipologia comportamer	EL-PL	
$k = (f_t/f_y)_k$	1	
f_{yk}	450	N/mm^2
f_{tk}	540	N/mm^2
E_s	200000	N/mm^2
ε_{su}	7,500	%



Coefficiente di omogenizzazione:

n,breve termine	5,77	=Es/Ec	
umidità relativa	75	%	
giorno app. carico	15	giorni	
periodo lungo termine	50	anni	
coefficiente di viscosità	2,01		
n,lungo termine=	11,59	=Es/Ecm	
n,verifiche QP	15,0	=Es/Ecm	lungo termine
n,verifiche CAR	15,0	=Es/Ecm	breve termine

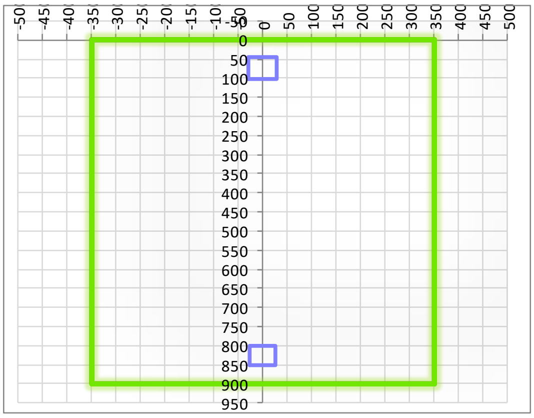
CARATTERISTICHE SEZIONE

Sezione:

B=	700	mm
H=	900	mm

Armature:

Pos.	n° barre	ø mm	yi mm	As mm^2
1	6	26	73	3185,575
2	5	26	827	2654,6458
3				0
4				0
5				0
6				0
7				0
8				0
9				0
10				0



10.2.7.2. Verifiche allo stato limite ultimo per flessione

CRITERI DI VERIFICA

Coefficienti di sicurezza allo SLU

Calcestruzzo

α_{cc}	0,85	
γ_c	1,50	
f_{cd}	20,47	N/mm^2
$f_{ct,eff}$=	2,45	N/mm^2 =f_{ctm} / 1,2

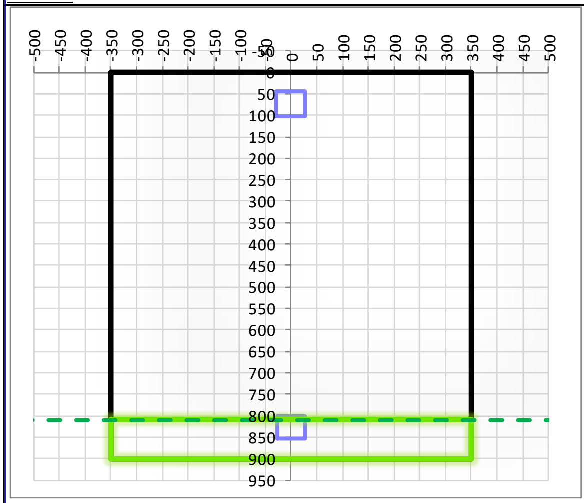
Acciaio

γ_s	1,15	
f_{yd}	391,30	N/mm^2
ε_{yd}	0,196	%

STATO LIMITE ULTIMO - PRESSOFLESSIONE

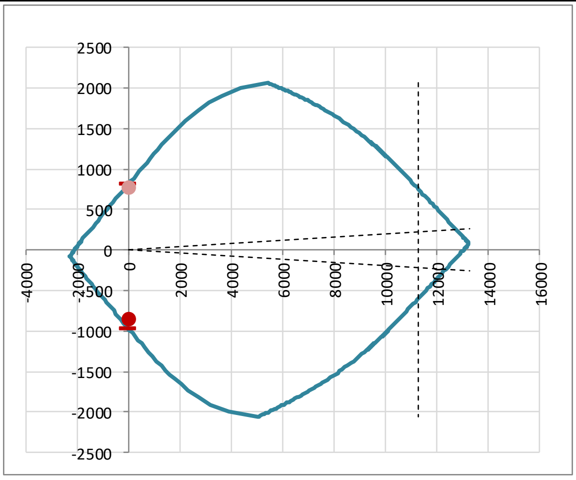
Combinazione		NSd [kN]	MSd [kNm]	NRd+ [kN]	NRd- [kN]	MRd+ [kNm]	MRd- [kNm]	MSd/MRd
SLU		0,0	-859,2	13248,77	-2285,30	814,66	-971,44	88%

Sezione:



Fibre compresse		Inferiori
$\sigma_{c,max}$=	17,40	N/mm^2
$\sigma_{s,min}$=	-391,30	N/mm^2
$\varepsilon_{c,max}$=	0,35	%
$\varepsilon_{s,min}$=	-2,86	%
d=	827,00	mm
x=	90,30	mm
x/d=	0,11	

Dominio M-N



Combinazione		NSd [kN]	MSd [kNm]
SLU	0	0,0	-859,2
SLU	0	0,0	772,8

10.2.7.3. Verifiche allo stato limite ultimo taglio

CALCESTRUZZO			
Calsse calcestruzzo		C30/37	
Resistenza cubica caratteristica	Rck	37,00	Mpa
Resistenza cilindrica caratteristica	f_{ck}	30,71	Mpa

ACCIAIO		
Tipologia	B450C	
Reisitenza caratteristica allo snervamento	450	Mpa

COEFFICIENTI MATERIALE		
Coefficiente di sicurezza per il calcestruzzo	γ_c	1,50
Coefficiente riduttivo per resistenze di lunga durata	α_{cc}	0,85
Coefficiente di sicurezza per l'acciaio	γ_s	1,15

GEOMETRIA SEZIONE C.A.					
Base	b		700 mm		
Altezza	h		900 mm		
Barre tese		*numero barre*	*diametro barre [mm]*	*copriferro in asse barra [mm]*	*Area barre [mm2]*
strato1		6	26	73	3186
strato2		0	0	0	0
strato3		0	0	0	0
strato4		0	0	0	0
strato5		0	0	0	0
Area barre tese	A_s		3186 mm2		
Posizione della barra equivalente	c*		73 mm		

SOLLECITAZIONI			
Load Case		SLU	
Frame			
Azione assiale (+ di compressione)	N_{Ed}		kN
Taglio	V_{Ed}	925,64	kN

VERIFICA RESISTENZA SEZIONE SENZA ARMATURA A TAGLIO			
Altezza utile della sezione	d	827	mm
Coefficiente	k	1,49	
Rapporto di armatura longitudinale	ρl	0,55%	
Tensione assiale media	σ_{cp}	0,00	N/mm2
	0.2 x f_{cd}	3,48	N/mm2
	v_{min}	0,35	N/mm2
Resistenza al taglio minima	$V_{rd,min}$	204,58	kN
Resistenza al taglio senza armatura	$\mathbf{V_{rd}}$	**265,93**	**kN**
Verifica		3,48	***E' necessario prevedere armatura a taglio***

ARMATURA A TAGLIO			
Diametro staffe	ϕ	10	mm
Numero braccia	n	4	
Passo staffe	s	100	mm
Inclinazione staffe (rispetto all'orizzontale)	α	90	°
Inclinazione del puntone in calcestruzzo	θ	45	°
Valore minimo di inclinazione del puntone in calcestruzzo	θ_{min}	26,70	°

VERIFICA RESISTENZA SEZIONE CON ARMATURA A TAGLIO			
Coefficiente di riduzione per fessurazione	v_1	0,5	
Resistenza cilindrica di progetto	f_{cd}	17,40233333	N/mm2
Area armatura a taglio	A_{st}	314,16	mm2
	σ_{cp}/f_{cd}	0	
Coefficiente di interazione	α_{cw}	1	
Resistenza a tagio per rottura delle armature	$\mathbf{V_{rds}}$	**931,09**	**kN**
Resistenza a taglio per rottura del puntone in calcestruzzo	$\mathbf{V_{rcd}}$	**2266,35**	**kN**
Resistenza al taglio	$\mathbf{V_{rd}}$	**931,09**	**kN**
Verifica		0,99	***Verifica soddisfatta***

11. ALLEGATI

All. [1] Tabulati modello di calcolo tombino

All. [2] Tabulati modello di calcolo palancole

ALLEGATO 1

Table: Area Loads - Surface Pressure

Table: Area Loads - Surface Pressure

Area	LoadPat	Face	Pressure	JtPattern
			KN/m2	
160	STERR	Top	-1	sterr
160	SSOVRdx	Top	-20	None
159	STERR	Top	-1	sterr
159	SSOVRdx	Top	-20	None
158	STERR	Top	-1	sterr
158	SSOVRdx	Top	-20	None
157	STERR	Top	-1	sterr
157	SSOVRdx	Top	-20	None
156	STERR	Top	-1	sterr
156	SSOVRdx	Top	-20	None
155	STERR	Top	-1	sterr
155	SSOVRdx	Top	-20	None
154	STERR	Top	-1	sterr
154	SSOVRdx	Top	-20	None
153	STERR	Top	-1	sterr
153	SSOVRdx	Top	-20	None
152	STERR	Top	-1	sterr
152	SSOVRdx	Top	-20	None
151	STERR	Top	-1	sterr
151	SSOVRdx	Top	-20	None
140	STERR	Top	-1	sterr
140	SSOVRdx	Top	-20	None
139	STERR	Top	-1	sterr
139	SSOVRdx	Top	-20	None
138	STERR	Top	-1	sterr
138	SSOVRdx	Top	-20	None
137	STERR	Top	-1	sterr
137	SSOVRdx	Top	-20	None
136	STERR	Top	-1	sterr
136	SSOVRdx	Top	-20	None
135	STERR	Top	-1	sterr
135	SSOVRdx	Top	-20	None
134	STERR	Top	-1	sterr
134	SSOVRdx	Top	-20	None
133	STERR	Top	-1	sterr
133	SSOVRdx	Top	-20	None
132	STERR	Top	-1	sterr
132	SSOVRdx	Top	-20	None
131	STERR	Top	-1	sterr
131	SSOVRdx	Top	-20	None
120	STERR	Top	-1	sterr
120	SSOVRdx	Top	-20	None
119	STERR	Top	-1	sterr
119	SSOVRdx	Top	-20	None
118	STERR	Top	-1	sterr
118	SSOVRdx	Top	-20	None
117	STERR	Top	-1	sterr
117	SSOVRdx	Top	-20	None
116	STERR	Top	-1	sterr
116	SSOVRdx	Top	-20	None
115	STERR	Top	-1	sterr
115	SSOVRdx	Top	-20	None
114	STERR	Top	-1	sterr
114	SSOVRdx	Top	-20	None
113	STERR	Top	-1	sterr
113	SSOVRdx	Top	-20	None
112	STERR	Top	-1	sterr
112	SSOVRdx	Top	-20	None
111	STERR	Top	-1	sterr
111	SSOVRdx	Top	-20	None
75	STERR	Top	-1	sterr
75	SSOVRdx	Top	-20	None
47	STERR	Top	-1	sterr
47	SSOVRdx	Top	-20	None
45	STERR	Top	-1	sterr
45	SSOVRdx	Top	-20	None
33	STERR	Top	-1	sterr

Table: Area Loads - Surface Pressure

Area	LoadPat	Face	Pressure	JtPattern
			KN/m2	
33	SSOVRdx	Top	-20	None
31	STERR	Top	-1	sterr
31	SSOVRdx	Top	-20	None
21	STERR	Top	-1	sterr
21	SSOVRdx	Top	-20	None
13	STERR	Top	-1	sterr
13	SSOVRdx	Top	-20	None
7	STERR	Top	-1	sterr
7	SSOVRdx	Top	-20	None
3	STERR	Top	-1	sterr
3	SSOVRdx	Top	-20	None
1	STERR	Top	-1	sterr
1	SSOVRdx	Top	-20	None
5	STERR	Top	-1	sterr
5	SSOVRdx	Top	-20	None
10	STERR	Top	-1	sterr
10	SSOVRdx	Top	-20	None
9	STERR	Top	-1	sterr
9	SSOVRdx	Top	-20	None
17	STERR	Top	-1	sterr
17	SSOVRdx	Top	-20	None
16	STERR	Top	-1	sterr
16	SSOVRdx	Top	-20	None
15	STERR	Top	-1	sterr
15	SSOVRdx	Top	-20	None
26	STERR	Top	-1	sterr
26	SSOVRdx	Top	-20	None
25	STERR	Top	-1	sterr
25	SSOVRdx	Top	-20	None
24	STERR	Top	-1	sterr
24	SSOVRdx	Top	-20	None
23	STERR	Top	-1	sterr
23	SSOVRdx	Top	-20	None
39	STERR	Top	-1	sterr
39	SSOVRdx	Top	-20	None
38	STERR	Top	-1	sterr
38	SSOVRdx	Top	-20	None
37	STERR	Top	-1	sterr
37	SSOVRdx	Top	-20	None
36	STERR	Top	-1	sterr
36	SSOVRdx	Top	-20	None
35	STERR	Top	-1	sterr
35	SSOVRdx	Top	-20	None
54	STERR	Top	-1	sterr
54	SSOVRdx	Top	-20	None
53	STERR	Top	-1	sterr
53	SSOVRdx	Top	-20	None
52	STERR	Top	-1	sterr
52	SSOVRdx	Top	-20	None
51	STERR	Top	-1	sterr
51	SSOVRdx	Top	-20	None
50	STERR	Top	-1	sterr
50	SSOVRdx	Top	-20	None
49	STERR	Top	-1	sterr
49	SSOVRdx	Top	-20	None
67	STERR	Top	-1	sterr
67	SSOVRdx	Top	-20	None
66	STERR	Top	-1	sterr
66	SSOVRdx	Top	-20	None
65	STERR	Top	-1	sterr
65	SSOVRdx	Top	-20	None
64	STERR	Top	-1	sterr
64	SSOVRdx	Top	-20	None
63	STERR	Top	-1	sterr
63	SSOVRdx	Top	-20	None
62	STERR	Top	-1	sterr
62	SSOVRdx	Top	-20	None
61	STERR	Top	-1	sterr
61	SSOVRdx	Top	-20	None
83	STERR	Top	-1	sterr

Table: Area Loads - Surface Pressure

Area	LoadPat	Face	Pressure	JtPattern
			KN/m2	
83	SSOVRdx	Top	-20	None
82	STERR	Top	-1	sterr
82	SSOVRdx	Top	-20	None
81	STERR	Top	-1	sterr
81	SSOVRdx	Top	-20	None
80	STERR	Top	-1	sterr
80	SSOVRdx	Top	-20	None
79	STERR	Top	-1	sterr
79	SSOVRdx	Top	-20	None
78	STERR	Top	-1	sterr
78	SSOVRdx	Top	-20	None
77	STERR	Top	-1	sterr
77	SSOVRdx	Top	-20	None
99	STERR	Top	-1	sterr
99	SSOVRdx	Top	-20	None
98	STERR	Top	-1	sterr
98	SSOVRdx	Top	-20	None
97	STERR	Top	-1	sterr
97	SSOVRdx	Top	-20	None
96	STERR	Top	-1	sterr
96	SSOVRdx	Top	-20	None
95	STERR	Top	-1	sterr
95	SSOVRdx	Top	-20	None
94	STERR	Top	-1	sterr
94	SSOVRdx	Top	-20	None
93	STERR	Top	-1	sterr
93	SSOVRdx	Top	-20	None
84	STERR	Top	-1	sterr
84	SSOVRdx	Top	-20	None
100	STERR	Top	-1	sterr
100	SSOVRdx	Top	-20	None
101	STERR	Top	-1	sterr
101	SSOVRdx	Top	-20	None
170	STERR	Top	1	sterr
170	SSOVRsx	Top	20	None
169	STERR	Top	1	sterr
169	SSOVRsx	Top	20	None
168	STERR	Top	1	sterr
168	SSOVRsx	Top	20	None
167	STERR	Top	1	sterr
167	SSOVRsx	Top	20	None
166	STERR	Top	1	sterr
166	SSOVRsx	Top	20	None
165	STERR	Top	1	sterr
165	SSOVRsx	Top	20	None
164	STERR	Top	1	sterr
164	SSOVRsx	Top	20	None
163	STERR	Top	1	sterr
163	SSOVRsx	Top	20	None
162	STERR	Top	1	sterr
162	SSOVRsx	Top	20	None
161	STERR	Top	1	sterr
161	SSOVRsx	Top	20	None
150	STERR	Top	1	sterr
150	SSOVRsx	Top	20	None
149	STERR	Top	1	sterr
149	SSOVRsx	Top	20	None
148	STERR	Top	1	sterr
148	SSOVRsx	Top	20	None
147	STERR	Top	1	sterr
147	SSOVRsx	Top	20	None
146	STERR	Top	1	sterr
146	SSOVRsx	Top	20	None
145	STERR	Top	1	sterr
145	SSOVRsx	Top	20	None
144	STERR	Top	1	sterr
144	SSOVRsx	Top	20	None
143	STERR	Top	1	sterr
143	SSOVRsx	Top	20	None
142	STERR	Top	1	sterr

Table: Area Loads - Surface Pressure

Area	LoadPat	Face	Pressure	JtPattern
			KN/m2	
142	SSOVRsx	Top	20	None
141	STERR	Top	1	sterr
141	SSOVRsx	Top	20	None
130	STERR	Top	1	sterr
130	SSOVRsx	Top	20	None
129	STERR	Top	1	sterr
129	SSOVRsx	Top	20	None
128	STERR	Top	1	sterr
128	SSOVRsx	Top	20	None
127	STERR	Top	1	sterr
127	SSOVRsx	Top	20	None
126	STERR	Top	1	sterr
126	SSOVRsx	Top	20	None
125	STERR	Top	1	sterr
125	SSOVRsx	Top	20	None
124	STERR	Top	1	sterr
124	SSOVRsx	Top	20	None
123	STERR	Top	1	sterr
123	SSOVRsx	Top	20	None
122	STERR	Top	1	sterr
122	SSOVRsx	Top	20	None
121	STERR	Top	1	sterr
121	SSOVRsx	Top	20	None
76	STERR	Top	1	sterr
76	SSOVRsx	Top	20	None
48	STERR	Top	1	sterr
48	SSOVRsx	Top	20	None
46	STERR	Top	1	sterr
46	SSOVRsx	Top	20	None
34	STERR	Top	1	sterr
34	SSOVRsx	Top	20	None
32	STERR	Top	1	sterr
32	SSOVRsx	Top	20	None
22	STERR	Top	1	sterr
22	SSOVRsx	Top	20	None
14	STERR	Top	1	sterr
14	SSOVRsx	Top	20	None
8	STERR	Top	1	sterr
8	SSOVRsx	Top	20	None
4	STERR	Top	1	sterr
4	SSOVRsx	Top	20	None
2	STERR	Top	1	sterr
2	SSOVRsx	Top	20	None
6	STERR	Top	1	sterr
6	SSOVRsx	Top	20	None
12	STERR	Top	1	sterr
12	SSOVRsx	Top	20	None
11	STERR	Top	1	sterr
11	SSOVRsx	Top	20	None
20	STERR	Top	1	sterr
20	SSOVRsx	Top	20	None
19	STERR	Top	1	sterr
19	SSOVRsx	Top	20	None
18	STERR	Top	1	sterr
18	SSOVRsx	Top	20	None
30	STERR	Top	1	sterr
30	SSOVRsx	Top	20	None
29	STERR	Top	1	sterr
29	SSOVRsx	Top	20	None
28	STERR	Top	1	sterr
28	SSOVRsx	Top	20	None
27	STERR	Top	1	sterr
27	SSOVRsx	Top	20	None
44	STERR	Top	1	sterr
44	SSOVRsx	Top	20	None
43	STERR	Top	1	sterr
43	SSOVRsx	Top	20	None
42	STERR	Top	1	sterr
42	SSOVRsx	Top	20	None
41	STERR	Top	1	sterr

Table: Area Loads - Surface Pressure

Area	LoadPat	Face	Pressure	JtPattern
			KN/m2	
41	SSOVRsx	Top	20	None
40	STERR	Top	1	sterr
40	SSOVRsx	Top	20	None
60	STERR	Top	1	sterr
60	SSOVRsx	Top	20	None
59	STERR	Top	1	sterr
59	SSOVRsx	Top	20	None
58	STERR	Top	1	sterr
58	SSOVRsx	Top	20	None
57	STERR	Top	1	sterr
57	SSOVRsx	Top	20	None
56	STERR	Top	1	sterr
56	SSOVRsx	Top	20	None
55	STERR	Top	1	sterr
55	SSOVRsx	Top	20	None
74	STERR	Top	1	sterr
74	SSOVRsx	Top	20	None
73	STERR	Top	1	sterr
73	SSOVRsx	Top	20	None
72	STERR	Top	1	sterr
72	SSOVRsx	Top	20	None
71	STERR	Top	1	sterr
71	SSOVRsx	Top	20	None
70	STERR	Top	1	sterr
70	SSOVRsx	Top	20	None
69	STERR	Top	1	sterr
69	SSOVRsx	Top	20	None
68	STERR	Top	1	sterr
68	SSOVRsx	Top	20	None
91	STERR	Top	1	sterr
91	SSOVRsx	Top	20	None
90	STERR	Top	1	sterr
90	SSOVRsx	Top	20	None
89	STERR	Top	1	sterr
89	SSOVRsx	Top	20	None
88	STERR	Top	1	sterr
88	SSOVRsx	Top	20	None
87	STERR	Top	1	sterr
87	SSOVRsx	Top	20	None
86	STERR	Top	1	sterr
86	SSOVRsx	Top	20	None
85	STERR	Top	1	sterr
85	SSOVRsx	Top	20	None
108	STERR	Top	1	sterr
108	SSOVRsx	Top	20	None
107	STERR	Top	1	sterr
107	SSOVRsx	Top	20	None
106	STERR	Top	1	sterr
106	SSOVRsx	Top	20	None
105	STERR	Top	1	sterr
105	SSOVRsx	Top	20	None
104	STERR	Top	1	sterr
104	SSOVRsx	Top	20	None
103	STERR	Top	1	sterr
103	SSOVRsx	Top	20	None
102	STERR	Top	1	sterr
102	SSOVRsx	Top	20	None
92	STERR	Top	1	sterr
92	SSOVRsx	Top	20	None
109	STERR	Top	1	sterr
109	SSOVRsx	Top	20	None
110	STERR	Top	1	sterr
110	SSOVRsx	Top	20	None

Table: Area Section Assignments

Table: Area Section Assignments

Area	Section	MatProp
1	sp90	Default

Table: Area Section Assignments

Area	Section	MatProp
2	sp90	Default
3	sp90	Default
4	sp90	Default
5	sp90	Default
6	sp90	Default
7	sp90	Default
8	sp90	Default
9	sp90	Default
10	sp90	Default
11	sp90	Default
12	sp90	Default
13	sp90	Default
14	sp90	Default
15	sp90	Default
16	sp90	Default
17	sp90	Default
18	sp90	Default
19	sp90	Default
20	sp90	Default
21	sp90	Default
22	sp90	Default
23	sp90	Default
24	sp90	Default
25	sp90	Default
26	sp90	Default
27	sp90	Default
28	sp90	Default
29	sp90	Default
30	sp90	Default
31	sp90	Default
32	sp90	Default
33	sp90	Default
34	sp90	Default
35	sp90	Default
36	sp90	Default
37	sp90	Default
38	sp90	Default
39	sp90	Default
40	sp90	Default
41	sp90	Default
42	sp90	Default
43	sp90	Default
44	sp90	Default
45	sp90	Default
46	sp90	Default
47	sp90	Default
48	sp90	Default
49	sp90	Default
50	sp90	Default
51	sp90	Default
52	sp90	Default
53	sp90	Default
54	sp90	Default
55	sp90	Default
56	sp90	Default
57	sp90	Default
58	sp90	Default
59	sp90	Default
60	sp90	Default
61	sp90	Default
62	sp90	Default
63	sp90	Default
64	sp90	Default
65	sp90	Default
66	sp90	Default
67	sp90	Default
68	sp90	Default
69	sp90	Default
70	sp90	Default
71	sp90	Default

Table: Area Section Assignments

Area	Section	MatProp
72	sp90	Default
73	sp90	Default
74	sp90	Default
75	sp90	Default
76	sp90	Default
77	sp90	Default
78	sp90	Default
79	sp90	Default
80	sp90	Default
81	sp90	Default
82	sp90	Default
83	sp90	Default
84	sp90	Default
85	sp90	Default
86	sp90	Default
87	sp90	Default
88	sp90	Default
89	sp90	Default
90	sp90	Default
91	sp90	Default
92	sp90	Default
93	sp90	Default
94	sp90	Default
95	sp90	Default
96	sp90	Default
97	sp90	Default
98	sp90	Default
99	sp90	Default
100	sp90	Default
101	sp90	Default
102	sp90	Default
103	sp90	Default
104	sp90	Default
105	sp90	Default
106	sp90	Default
107	sp90	Default
108	sp90	Default
109	sp90	Default
110	sp90	Default
111	sp90	Default
112	sp90	Default
113	sp90	Default
114	sp90	Default
115	sp90	Default
116	sp90	Default
117	sp90	Default
118	sp90	Default
119	sp90	Default
120	sp90	Default
121	sp90	Default
122	sp90	Default
123	sp90	Default
124	sp90	Default
125	sp90	Default
126	sp90	Default
127	sp90	Default
128	sp90	Default
129	sp90	Default
130	sp90	Default
131	sp90	Default
132	sp90	Default
133	sp90	Default
134	sp90	Default
135	sp90	Default
136	sp90	Default
137	sp90	Default
138	sp90	Default
139	sp90	Default
140	sp90	Default
141	sp90	Default

Table: Area Section Assignments

Area	Section	MatProp
142	sp90	Default
143	sp90	Default
144	sp90	Default
145	sp90	Default
146	sp90	Default
147	sp90	Default
148	sp90	Default
149	sp90	Default
150	sp90	Default
151	sp90	Default
152	sp90	Default
153	sp90	Default
154	sp90	Default
155	sp90	Default
156	sp90	Default
157	sp90	Default
158	sp90	Default
159	sp90	Default
160	sp90	Default
161	sp90	Default
162	sp90	Default
163	sp90	Default
164	sp90	Default
165	sp90	Default
166	sp90	Default
167	sp90	Default
168	sp90	Default
169	sp90	Default
170	sp90	Default

Table: Area Section Properties, Part 1 of 4

Table: Area Section Properties, Part 1 of 4

Section	Material	MatAngle	AreaType	Type	DrillDOF	Thickness	BendThick	Arc
		Degrees				m	m	Degrees
sp90	C28/35	0	Shell	Shell-Thin	Yes	0,9	0,9	

Table: Area Section Properties, Part 2 of 4

Table: Area Section Properties, Part 2 of 4

Section	InComp	CoordSys	Color	TotalWt	TotalMass	F11Mod	F22Mod
				KN	KN-s2/m		
sp90			Magenta	1216,534	124,05	1	1

Table: Area Section Properties, Part 3 of 4

Table: Area Section Properties, Part 3 of 4

Section	F12Mod	M11Mod	M22Mod	M12Mod	V13Mod	V23Mod	MMod	WMod
sp90	1	1	1	1	1	1	1	1

Table: Area Section Properties, Part 4 of 4

Table: Area Section Properties, Part 4 of 4

Section	GUID	Notes
sp90		

Table: Case - Static 1 - Load Assignments

Table: Case - Static 1 - Load Assignments

Case	LoadType	LoadName	LoadSF
DEAD	Load pattern	DEAD	1
STERR	Load pattern	STERR	1
SSOVRdx	Load pattern	SSOVRdx	1
SSOVRsx	Load pattern	SSOVRsx	1
SW2	Load pattern	SW2	1

Table: Connectivity - Area, Part 1 of 2

Table: Connectivity - Area, Part 1 of 2

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter	AreaArea
						m	m2
1	3	1	3	4		1,906945	0,058393
2	3	2	5	6		1,906945	0,058393
3	3	4	8	9		1,923465	0,158693
4	3	6	11	12		1,923465	0,158693
5	4	3	7	8	4	2,891455	0,497094
6	4	5	10	11	6	2,891455	0,497094
7	3	9	15	16		1,194975	0,06125
8	3	12	19	20		1,194975	0,06125
9	4	7	13	14	8	2,464715	0,308825
10	4	8	14	15	9	1,82674	0,19718
11	4	10	17	18	11	2,464715	0,308825
12	4	11	18	19	12	1,82674	0,19718
13	3	16	24	25		1,194975	0,06125
14	3	20	29	30		1,194975	0,06125
15	4	13	21	22	14	2,464715	0,308825
16	4	14	22	23	15	1,82674	0,19718
17	4	15	23	24	16	1,4	0,1225
18	4	17	26	27	18	2,464715	0,308825
19	4	18	27	28	19	1,82674	0,19718
20	4	19	28	29	20	1,4	0,1225
21	3	25	35	36		3,072792	0,405
22	3	30	41	42		3,072792	0,405
23	4	21	31	32	22	3,564715	0,794122
24	4	22	32	33	23	2,92674	0,507033
25	4	23	33	34	24	2,5	0,315
26	4	24	34	35	25	2,5	0,315
27	4	26	37	38	27	3,564715	0,794122
28	4	27	38	39	28	2,92674	0,507033
29	4	28	39	40	29	2,5	0,315
30	4	29	40	41	30	2,5	0,315
31	3	36	48	49		3,072792	0,405
32	3	42	55	56		3,072792	0,405
33	3	49	63	64		1,194975	0,06125
34	3	56	71	72		1,194975	0,06125
35	4	31	43	44	32	3,564715	0,794122
36	4	32	44	45	33	2,92674	0,507033
37	4	33	45	46	34	2,5	0,315
38	4	34	46	47	35	2,5	0,315
39	4	35	47	48	36	3,6	0,81
40	4	37	50	51	38	3,564715	0,794122
41	4	38	51	52	39	2,92674	0,507033
42	4	39	52	53	40	2,5	0,315
43	4	40	53	54	41	2,5	0,315
44	4	41	54	55	42	3,6	0,81
45	3	64	80	81		1,194975	0,06125
46	3	72	89	90		1,194975	0,06125
47	3	81	99	100		2,816726	0,340313
48	3	90	109	110		2,816726	0,340313
49	4	43	57	58	44	2,464715	0,308825
50	4	44	58	59	45	1,82674	0,19718
51	4	45	59	60	46	1,4	0,1225
52	4	46	60	61	47	1,4	0,1225
53	4	47	61	62	48	2,5	0,315
54	4	48	62	63	49	2,5	0,315
55	4	50	65	66	51	2,464715	0,308825
56	4	51	66	67	52	1,82674	0,19718
57	4	52	67	68	53	1,4	0,1225
58	4	53	68	69	54	1,4	0,1225
59	4	54	69	70	55	2,5	0,315
60	4	55	70	71	56	2,5	0,315
61	4	57	73	74	58	2,464715	0,308825
62	4	58	74	75	59	1,82674	0,19718
63	4	59	75	76	60	1,4	0,1225
64	4	60	76	77	61	1,4	0,1225
65	4	61	77	78	62	2,5	0,315
66	4	62	78	79	63	2,5	0,315
67	4	63	79	80	64	1,4	0,1225
68	4	65	82	83	66	2,464715	0,308825
69	4	66	83	84	67	1,82674	0,19718

Table: Connectivity - Area, Part 1 of 2

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter	AreaArea
						m	m2
70	4	67	84	85	68	1,4	0,1225
71	4	68	85	86	69	1,4	0,1225
72	4	69	86	87	70	2,5	0,315
73	4	70	87	88	71	2,5	0,315
74	4	71	88	89	72	1,4	0,1225
75	3	100	120	121		2,816726	0,340313
76	3	110	131	132		2,816726	0,340313
77	4	73	91	92	74	3,414715	0,727945
78	4	74	92	93	75	2,77674	0,46478
79	4	75	93	94	76	2,35	0,28875
80	4	76	94	95	77	2,35	0,28875
81	4	77	95	96	78	3,45	0,7425
82	4	78	96	97	79	3,45	0,7425
83	4	79	97	98	80	2,35	0,28875
84	4	80	98	99	81	2,35	0,28875
85	4	82	101	102	83	3,414715	0,727945
86	4	83	102	103	84	2,77674	0,46478
87	4	84	103	104	85	2,35	0,28875
88	4	85	104	105	86	2,35	0,28875
89	4	86	105	106	87	3,45	0,7425
90	4	87	106	107	88	3,45	0,7425
91	4	88	107	108	89	2,35	0,28875
92	4	89	108	109	90	2,35	0,28875
93	4	91	111	112	92	3,414715	0,727945
94	4	92	112	113	93	2,77674	0,46478
95	4	93	113	114	94	2,35	0,28875
96	4	94	114	115	95	2,35	0,28875
97	4	95	115	116	96	3,45	0,7425
98	4	96	116	117	97	3,45	0,7425
99	4	97	117	118	98	2,35	0,28875
100	4	98	118	119	99	2,35	0,28875
101	4	99	119	120	100	3,3	0,680625
102	4	101	122	123	102	3,414715	0,727945
103	4	102	123	124	103	2,77674	0,46478
104	4	103	124	125	104	2,35	0,28875
105	4	104	125	126	105	2,35	0,28875
106	4	105	126	127	106	3,45	0,7425
107	4	106	127	128	107	3,45	0,7425
108	4	107	128	129	108	2,35	0,28875
109	4	108	129	130	109	2,35	0,28875
110	4	109	130	131	110	3,3	0,680625
111	4	111	133	134	112	2,364715	0,264707
112	4	112	134	135	113	1,72674	0,169011
113	4	113	135	136	114	1,3	0,105
114	4	114	136	137	115	1,3	0,105
115	4	115	137	138	116	2,4	0,27
116	4	116	138	139	117	2,4	0,27
117	4	117	139	140	118	1,3	0,105
118	4	118	140	141	119	1,3	0,105
119	4	119	141	142	120	2,25	0,2475
120	4	120	142	143	121	2,25	0,2475
121	4	122	144	145	123	2,364715	0,264707
122	4	123	145	146	124	1,72674	0,169011
123	4	124	146	147	125	1,3	0,105
124	4	125	147	148	126	1,3	0,105
125	4	126	148	149	127	2,4	0,27
126	4	127	149	150	128	2,4	0,27
127	4	128	150	151	129	1,3	0,105
128	4	129	151	152	130	1,3	0,105
129	4	130	152	153	131	2,25	0,2475
130	4	131	153	154	132	2,25	0,2475
131	4	133	155	156	134	2,664715	0,397061
132	4	134	156	157	135	2,02674	0,253517
133	4	135	157	158	136	1,6	0,1575
134	4	136	158	159	137	1,6	0,1575
135	4	137	159	160	138	2,7	0,405
136	4	138	160	161	139	2,7	0,405
137	4	139	161	162	140	1,6	0,1575
138	4	140	162	163	141	1,6	0,1575
139	4	141	163	164	142	2,55	0,37125

Table: Connectivity - Area, Part 1 of 2

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter	AreaArea
						m	m2
140	4	142	164	165	143	2,55	0,37125
141	4	144	180	181	145	2,664715	0,397061
142	4	145	181	182	146	2,02674	0,253517
143	4	146	182	183	147	1,6	0,1575
144	4	147	183	184	148	1,6	0,1575
145	4	148	184	185	149	2,7	0,405
146	4	149	185	186	150	2,7	0,405
147	4	150	186	187	151	1,6	0,1575
148	4	151	187	188	152	1,6	0,1575
149	4	152	188	189	153	2,55	0,37125
150	4	153	189	190	154	2,55	0,37125
151	4	155	191	192	156	2,664715	0,397061
152	4	156	192	193	157	2,02674	0,253517
153	4	157	193	194	158	1,6	0,1575
154	4	158	194	195	159	1,6	0,1575
155	4	159	195	196	160	2,7	0,405
156	4	160	196	197	161	2,7	0,405
157	4	161	197	198	162	1,6	0,1575
158	4	162	198	199	163	1,6	0,1575
159	4	163	199	200	164	2,55	0,37125
160	4	164	200	201	165	2,55	0,37125
161	4	180	202	203	181	2,664715	0,397061
162	4	181	203	204	182	2,02674	0,253517
163	4	182	204	205	183	1,6	0,1575
164	4	183	205	206	184	1,6	0,1575
165	4	184	206	207	185	2,7	0,405
166	4	185	207	208	186	2,7	0,405
167	4	186	208	209	187	1,6	0,1575
168	4	187	209	210	188	1,6	0,1575
169	4	188	210	211	189	2,55	0,37125
170	4	189	211	212	190	2,55	0,37125

Table: Connectivity - Area, Part 2 of 2

Table: Connectivity - Area, Part 2 of 2

Area	Volume	CentroidX	CentroidY	CentroidZ	GUID
	m3	m	m	m	
1	0,052554	0,29416	0	0,08822	
2	0,052554	0,29416	6,9	0,08822	
3	0,142824	1,07019	0	0,50792	
4	0,142824	1,07019	6,9	0,50792	
5	0,447384	0,44122	0	0,41403	
6	0,447384	0,44122	6,9	0,41403	
7	0,055125	1,56244	0	0,92904	
8	0,055125	1,56244	6,9	0,92904	
9	0,277943	0,44122	0	0,87071	
10	0,177462	1,16409	0	0,87071	
11	0,277943	0,44122	6,9	0,87071	
12	0,177462	1,16409	6,9	0,87071	
13	0,055125	1,91244	0	1,27904	
14	0,055125	1,91244	6,9	1,27904	
15	0,277943	0,44122	0	1,22071	
16	0,177462	1,16409	0	1,22071	
17	0,11025	1,62077	0	1,22071	
18	0,277943	0,44122	6,9	1,22071	
19	0,177462	1,16409	6,9	1,22071	
20	0,11025	1,62077	6,9	1,22071	
21	0,3645	2,44577	0	1,99571	
22	0,3645	2,44577	6,9	1,99571	
23	0,71471	0,44122	0	1,84571	
24	0,45633	1,16409	0	1,84571	
25	0,2835	1,62077	0	1,84571	
26	0,2835	1,97077	0	1,84571	
27	0,71471	0,44122	6,9	1,84571	
28	0,45633	1,16409	6,9	1,84571	
29	0,2835	1,62077	6,9	1,84571	
30	0,2835	1,97077	6,9	1,84571	
31	0,3645	3,34577	0	2,89571	
32	0,3645	3,34577	6,9	2,89571	
33	0,055125	4,06244	0	3,42904	

Table: Connectivity - Area, Part 2 of 2

Area	Volume	CentroidX	CentroidY	CentroidZ	GUID
	m3	m	m	m	
34	0,055125	4,06244	6,9	3,42904	
35	0,71471	0,44122	0	2,74571	
36	0,45633	1,16409	0	2,74571	
37	0,2835	1,62077	0	2,74571	
38	0,2835	1,97077	0	2,74571	
39	0,729	2,59577	0	2,74571	
40	0,71471	0,44122	6,9	2,74571	
41	0,45633	1,16409	6,9	2,74571	
42	0,2835	1,62077	6,9	2,74571	
43	0,2835	1,97077	6,9	2,74571	
44	0,729	2,59577	6,9	2,74571	
45	0,055125	4,41244	0	3,77904	
46	0,055125	4,41244	6,9	3,77904	
47	0,306281	4,92077	0	4,44571	
48	0,306281	4,92077	6,9	4,44571	
49	0,277943	0,44122	0	3,37071	
50	0,177462	1,16409	0	3,37071	
51	0,11025	1,62077	0	3,37071	
52	0,11025	1,97077	0	3,37071	
53	0,2835	2,59577	0	3,37071	
54	0,2835	3,49577	0	3,37071	
55	0,277943	0,44122	6,9	3,37071	
56	0,177462	1,16409	6,9	3,37071	
57	0,11025	1,62077	6,9	3,37071	
58	0,11025	1,97077	6,9	3,37071	
59	0,2835	2,59577	6,9	3,37071	
60	0,2835	3,49577	6,9	3,37071	
61	0,277943	0,44122	0	3,72071	
62	0,177462	1,16409	0	3,72071	
63	0,11025	1,62077	0	3,72071	
64	0,11025	1,97077	0	3,72071	
65	0,2835	2,59577	0	3,72071	
66	0,2835	3,49577	0	3,72071	
67	0,11025	4,12077	0	3,72071	
68	0,277943	0,44122	6,9	3,72071	
69	0,177462	1,16409	6,9	3,72071	
70	0,11025	1,62077	6,9	3,72071	
71	0,11025	1,97077	6,9	3,72071	
72	0,2835	2,59577	6,9	3,72071	
73	0,2835	3,49577	6,9	3,72071	
74	0,11025	4,12077	6,9	3,72071	
75	0,306281	5,74577	0	5,27071	
76	0,306281	5,74577	6,9	5,27071	
77	0,65515	0,44122	0	4,30821	
78	0,418302	1,16409	0	4,30821	
79	0,259875	1,62077	0	4,30821	
80	0,259875	1,97077	0	4,30821	
81	0,66825	2,59577	0	4,30821	
82	0,66825	3,49577	0	4,30821	
83	0,259875	4,12077	0	4,30821	
84	0,259875	4,47077	0	4,30821	
85	0,65515	0,44122	6,9	4,30821	
86	0,418302	1,16409	6,9	4,30821	
87	0,259875	1,62077	6,9	4,30821	
88	0,259875	1,97077	6,9	4,30821	
89	0,66825	2,59577	6,9	4,30821	
90	0,66825	3,49577	6,9	4,30821	
91	0,259875	4,12077	6,9	4,30821	
92	0,259875	4,47077	6,9	4,30821	
93	0,65515	0,44122	0	5,13321	
94	0,418302	1,16409	0	5,13321	
95	0,259875	1,62077	0	5,13321	
96	0,259875	1,97077	0	5,13321	
97	0,66825	2,59577	0	5,13321	
98	0,66825	3,49577	0	5,13321	
99	0,259875	4,12077	0	5,13321	
100	0,259875	4,47077	0	5,13321	
101	0,612563	5,05827	0	5,13321	
102	0,65515	0,44122	6,9	5,13321	
103	0,418302	1,16409	6,9	5,13321	

Table: Connectivity - Area, Part 2 of 2

Area	Volume	CentroidX	CentroidY	CentroidZ	GUID
	m3	m	m	m	
104	0,259875	1,62077	6,9	5,13321	
105	0,259875	1,97077	6,9	5,13321	
106	0,66825	2,59577	6,9	5,13321	
107	0,66825	3,49577	6,9	5,13321	
108	0,259875	4,12077	6,9	5,13321	
109	0,259875	4,47077	6,9	5,13321	
110	0,612563	5,05827	6,9	5,13321	
111	0,238237	0,44122	0	5,69571	
112	0,15211	1,16409	0	5,69571	
113	0,0945	1,62077	0	5,69571	
114	0,0945	1,97077	0	5,69571	
115	0,243	2,59577	0	5,69571	
116	0,243	3,49577	0	5,69571	
117	0,0945	4,12077	0	5,69571	
118	0,0945	4,47077	0	5,69571	
119	0,22275	5,05827	0	5,69571	
120	0,22275	5,88327	0	5,69571	
121	0,238237	0,44122	6,9	5,69571	
122	0,15211	1,16409	6,9	5,69571	
123	0,0945	1,62077	6,9	5,69571	
124	0,0945	1,97077	6,9	5,69571	
125	0,243	2,59577	6,9	5,69571	
126	0,243	3,49577	6,9	5,69571	
127	0,0945	4,12077	6,9	5,69571	
128	0,0945	4,47077	6,9	5,69571	
129	0,22275	5,05827	6,9	5,69571	
130	0,22275	5,88327	6,9	5,69571	
131	0,357355	0,44122	0	6,07071	
132	0,228165	1,16409	0	6,07071	
133	0,14175	1,62077	0	6,07071	
134	0,14175	1,97077	0	6,07071	
135	0,3645	2,59577	0	6,07071	
136	0,3645	3,49577	0	6,07071	
137	0,14175	4,12077	0	6,07071	
138	0,14175	4,47077	0	6,07071	
139	0,334125	5,05827	0	6,07071	
140	0,334125	5,88327	0	6,07071	
141	0,357355	0,44122	6,9	6,07071	
142	0,228165	1,16409	6,9	6,07071	
143	0,14175	1,62077	6,9	6,07071	
144	0,14175	1,97077	6,9	6,07071	
145	0,3645	2,59577	6,9	6,07071	
146	0,3645	3,49577	6,9	6,07071	
147	0,14175	4,12077	6,9	6,07071	
148	0,14175	4,47077	6,9	6,07071	
149	0,334125	5,05827	6,9	6,07071	
150	0,334125	5,88327	6,9	6,07071	
151	0,357355	0,44122	0	6,52071	
152	0,228165	1,16409	0	6,52071	
153	0,14175	1,62077	0	6,52071	
154	0,14175	1,97077	0	6,52071	
155	0,3645	2,59577	0	6,52071	
156	0,3645	3,49577	0	6,52071	
157	0,14175	4,12077	0	6,52071	
158	0,14175	4,47077	0	6,52071	
159	0,334125	5,05827	0	6,52071	
160	0,334125	5,88327	0	6,52071	
161	0,357355	0,44122	6,9	6,52071	
162	0,228165	1,16409	6,9	6,52071	
163	0,14175	1,62077	6,9	6,52071	
164	0,14175	1,97077	6,9	6,52071	
165	0,3645	2,59577	6,9	6,52071	
166	0,3645	3,49577	6,9	6,52071	
167	0,14175	4,12077	6,9	6,52071	
168	0,14175	4,47077	6,9	6,52071	
169	0,334125	5,05827	6,9	6,52071	
170	0,334125	5,88327	6,9	6,52071	

Table: Connectivity - Frame, Part 1 of 2

Table: Connectivity - Frame, Part 1 of 2

Frame	JointI	JointJ	IsCurved	Length	CentroidX	CentroidY	CentroidZ
				m	m	m	m
1	158	166	No	0,225	1,79577	0,1125	6,29571
2	162	167	No	0,225	4,29577	0,1125	6,29571
3	166	168	No	0,225	1,79577	0,3375	6,29571
4	167	169	No	0,225	4,29577	0,3375	6,29571
5	168	170	No	1,5	1,79577	1,2	6,29571
6	169	171	No	1,5	4,29577	1,2	6,29571
7	170	172	No	1,5	1,79577	2,7	6,29571
8	171	173	No	1,5	4,29577	2,7	6,29571
9	172	174	No	1,5	1,79577	4,2	6,29571
10	173	175	No	1,5	4,29577	4,2	6,29571
11	174	176	No	1,5	1,79577	5,7	6,29571
12	175	177	No	1,5	4,29577	5,7	6,29571
13	176	178	No	0,225	1,79577	6,5625	6,29571
14	177	179	No	0,225	4,29577	6,5625	6,29571
15	178	183	No	0,225	1,79577	6,7875	6,29571
16	179	187	No	0,225	4,29577	6,7875	6,29571

Table: Element Forces - Area Shells, Part 1 of 4

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
1	1	Shell-Thin	1	DEAD	LinStatic	-166,93	-33,39	77,61
1	1	Shell-Thin	3	DEAD	LinStatic	-152,45	-30,49	77,61
1	1	Shell-Thin	4	DEAD	LinStatic	-152,45	-30,49	116,23
1	1	Shell-Thin	1	STERR	LinStatic	1,166E-12	2,333E-13	-5,045E-13
1	1	Shell-Thin	3	STERR	LinStatic	1,08E-12	2,161E-13	-5,045E-13
1	1	Shell-Thin	4	STERR	LinStatic	1,08E-12	2,161E-13	-7,336E-13
1	1	Shell-Thin	1	SSOVRdx	LinStatic	-1,19	-0,24	0,48
1	1	Shell-Thin	3	SSOVRdx	LinStatic	-1,13	-0,23	0,48
1	1	Shell-Thin	4	SSOVRdx	LinStatic	-1,13	-0,23	0,66
1	1	Shell-Thin	1	SSOVRsx	LinStatic	1,19	0,24	-0,48
1	1	Shell-Thin	3	SSOVRsx	LinStatic	1,13	0,23	-0,48
1	1	Shell-Thin	4	SSOVRsx	LinStatic	1,13	0,23	-0,66
1	1	Shell-Thin	1	SW2	LinStatic	-320,36	-64,07	139,27
1	1	Shell-Thin	3	SW2	LinStatic	-295,89	-59,18	139,27
1	1	Shell-Thin	4	SW2	LinStatic	-295,89	-59,18	204,53
2	2	Shell-Thin	2	DEAD	LinStatic	-166,93	-33,39	77,61
2	2	Shell-Thin	5	DEAD	LinStatic	-152,45	-30,49	77,61
2	2	Shell-Thin	6	DEAD	LinStatic	-152,45	-30,49	116,23
2	2	Shell-Thin	2	STERR	LinStatic	-1,07E-12	-2,141E-13	4,627E-13
2	2	Shell-Thin	5	STERR	LinStatic	-9,916E-13	-1,983E-13	4,627E-13
2	2	Shell-Thin	6	STERR	LinStatic	-9,916E-13	-1,983E-13	6,726E-13
2	2	Shell-Thin	2	SSOVRdx	LinStatic	1,19	0,24	-0,48
2	2	Shell-Thin	5	SSOVRdx	LinStatic	1,13	0,23	-0,48
2	2	Shell-Thin	6	SSOVRdx	LinStatic	1,13	0,23	-0,66
2	2	Shell-Thin	2	SSOVRsx	LinStatic	-1,19	-0,24	0,48
2	2	Shell-Thin	5	SSOVRsx	LinStatic	-1,13	-0,23	0,48
2	2	Shell-Thin	6	SSOVRsx	LinStatic	-1,13	-0,23	0,66
2	2	Shell-Thin	2	SW2	LinStatic	-320,36	-64,07	139,27
2	2	Shell-Thin	5	SW2	LinStatic	-295,89	-59,18	139,27
2	2	Shell-Thin	6	SW2	LinStatic	-295,89	-59,18	204,53
3	3	Shell-Thin	4	DEAD	LinStatic	-64,78	-33,25	52,88
3	3	Shell-Thin	8	DEAD	LinStatic	-92,11	-38,72	60,63
3	3	Shell-Thin	9	DEAD	LinStatic	-88,24	-19,35	49,7
3	3	Shell-Thin	4	STERR	LinStatic	5,749E-13	2,737E-13	-4,4E-13
3	3	Shell-Thin	8	STERR	LinStatic	7,497E-13	3,087E-13	-4,887E-13
3	3	Shell-Thin	9	STERR	LinStatic	7,253E-13	1,868E-13	-4,188E-13
3	3	Shell-Thin	4	SSOVRdx	LinStatic	-0,76	-0,27	0,53
3	3	Shell-Thin	8	SSOVRdx	LinStatic	-0,95	-0,31	0,58
3	3	Shell-Thin	9	SSOVRdx	LinStatic	-0,92	-0,19	0,5
3	3	Shell-Thin	4	SSOVRsx	LinStatic	0,76	0,27	-0,53
3	3	Shell-Thin	8	SSOVRsx	LinStatic	0,95	0,31	-0,58
3	3	Shell-Thin	9	SSOVRsx	LinStatic	0,92	0,19	-0,5
3	3	Shell-Thin	4	SW2	LinStatic	-154,27	-74,6	119,45
3	3	Shell-Thin	8	SW2	LinStatic	-198,93	-83,53	132,12
3	3	Shell-Thin	9	SW2	LinStatic	-192,6	-51,86	114,26
4	4	Shell-Thin	6	DEAD	LinStatic	-64,78	-33,25	52,88

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
4	4	Shell-Thin	11	DEAD	LinStatic	-92,11	-38,72	60,63
4	4	Shell-Thin	12	DEAD	LinStatic	-88,24	-19,35	49,7
4	4	Shell-Thin	6	STERR	LinStatic	-5,289E-13	-2,511E-13	4,044E-13
4	4	Shell-Thin	11	STERR	LinStatic	-6,89E-13	-2,831E-13	4,49E-13
4	4	Shell-Thin	12	STERR	LinStatic	-6,667E-13	-1,715E-13	3,85E-13
4	4	Shell-Thin	6	SSOVRdx	LinStatic	0,76	0,27	-0,53
4	4	Shell-Thin	11	SSOVRdx	LinStatic	0,95	0,31	-0,58
4	4	Shell-Thin	12	SSOVRdx	LinStatic	0,92	0,19	-0,5
4	4	Shell-Thin	6	SSOVRsx	LinStatic	-0,76	-0,27	0,53
4	4	Shell-Thin	11	SSOVRsx	LinStatic	-0,95	-0,31	0,58
4	4	Shell-Thin	12	SSOVRsx	LinStatic	-0,92	-0,19	0,5
4	4	Shell-Thin	6	SW2	LinStatic	-154,27	-74,6	119,45
4	4	Shell-Thin	11	SW2	LinStatic	-198,93	-83,53	132,12
4	4	Shell-Thin	12	SW2	LinStatic	-192,6	-51,86	114,26
5	5	Shell-Thin	3	DEAD	LinStatic	-157,28	-31,46	51,87
5	5	Shell-Thin	7	DEAD	LinStatic	-110,84	-22,17	63,37
5	5	Shell-Thin	8	DEAD	LinStatic	-113,78	-36,86	103,77
5	5	Shell-Thin	4	DEAD	LinStatic	-160,21	-46,14	92,27
5	5	Shell-Thin	3	STERR	LinStatic	1,109E-12	2,218E-13	-3,518E-13
5	5	Shell-Thin	7	STERR	LinStatic	9,261E-13	1,852E-13	-4,324E-13
5	5	Shell-Thin	8	STERR	LinStatic	9,511E-13	3,1E-13	-7,271E-13
5	5	Shell-Thin	4	STERR	LinStatic	1,134E-12	3,466E-13	-6,465E-13
5	5	Shell-Thin	3	SSOVRdx	LinStatic	-1,15	-0,23	0,36
5	5	Shell-Thin	7	SSOVRdx	LinStatic	-1,18	-0,24	0,43
5	5	Shell-Thin	8	SSOVRdx	LinStatic	-1,19	-0,32	0,75
5	5	Shell-Thin	4	SSOVRdx	LinStatic	-1,17	-0,32	0,68
5	5	Shell-Thin	3	SSOVRsx	LinStatic	1,15	0,23	-0,36
5	5	Shell-Thin	7	SSOVRsx	LinStatic	1,18	0,24	-0,43
5	5	Shell-Thin	8	SSOVRsx	LinStatic	1,19	0,32	-0,75
5	5	Shell-Thin	4	SSOVRsx	LinStatic	1,17	0,32	-0,68
5	5	Shell-Thin	3	SW2	LinStatic	-304,04	-60,81	95,77
5	5	Shell-Thin	7	SW2	LinStatic	-242,84	-48,57	117,38
5	5	Shell-Thin	8	SW2	LinStatic	-249,85	-83,58	196,88
5	5	Shell-Thin	4	SW2	LinStatic	-311,05	-95,82	175,27
6	6	Shell-Thin	5	DEAD	LinStatic	-157,28	-31,46	51,87
6	6	Shell-Thin	10	DEAD	LinStatic	-110,84	-22,17	63,37
6	6	Shell-Thin	11	DEAD	LinStatic	-113,78	-36,86	103,77
6	6	Shell-Thin	6	DEAD	LinStatic	-160,21	-46,14	92,27
6	6	Shell-Thin	5	STERR	LinStatic	-1,018E-12	-2,036E-13	3,228E-13
6	6	Shell-Thin	10	STERR	LinStatic	-8,511E-13	-1,702E-13	3,966E-13
6	6	Shell-Thin	11	STERR	LinStatic	-8,739E-13	-2,844E-13	6,671E-13
6	6	Shell-Thin	6	STERR	LinStatic	-1,041E-12	-3,177E-13	5,933E-13
6	6	Shell-Thin	5	SSOVRdx	LinStatic	1,15	0,23	-0,36
6	6	Shell-Thin	10	SSOVRdx	LinStatic	1,18	0,24	-0,43
6	6	Shell-Thin	11	SSOVRdx	LinStatic	1,19	0,32	-0,75
6	6	Shell-Thin	6	SSOVRdx	LinStatic	1,17	0,32	-0,68
6	6	Shell-Thin	5	SSOVRsx	LinStatic	-1,15	-0,23	0,36
6	6	Shell-Thin	10	SSOVRsx	LinStatic	-1,18	-0,24	0,43
6	6	Shell-Thin	11	SSOVRsx	LinStatic	-1,19	-0,32	0,75
6	6	Shell-Thin	6	SSOVRsx	LinStatic	-1,17	-0,32	0,68
6	6	Shell-Thin	5	SW2	LinStatic	-304,04	-60,81	95,77
6	6	Shell-Thin	10	SW2	LinStatic	-242,84	-48,57	117,38
6	6	Shell-Thin	11	SW2	LinStatic	-249,85	-83,58	196,88
6	6	Shell-Thin	6	SW2	LinStatic	-311,05	-95,82	175,27
7	7	Shell-Thin	9	DEAD	LinStatic	-85,64	-64,35	84,3
7	7	Shell-Thin	15	DEAD	LinStatic	-91,33	-65,49	83,9
7	7	Shell-Thin	16	DEAD	LinStatic	-91,53	-66,49	81,63
7	7	Shell-Thin	9	STERR	LinStatic	8,211E-13	6,073E-13	-7,622E-13
7	7	Shell-Thin	15	STERR	LinStatic	8,385E-13	6,108E-13	-7,63E-13
7	7	Shell-Thin	16	STERR	LinStatic	8,381E-13	6,087E-13	-7,561E-13
7	7	Shell-Thin	9	SSOVRdx	LinStatic	-1,27	-0,81	1,09
7	7	Shell-Thin	15	SSOVRdx	LinStatic	-1,24	-0,8	1,09
7	7	Shell-Thin	16	SSOVRdx	LinStatic	-1,24	-0,8	1,1
7	7	Shell-Thin	9	SSOVRsx	LinStatic	1,27	0,81	-1,09
7	7	Shell-Thin	15	SSOVRsx	LinStatic	1,24	0,8	-1,09
7	7	Shell-Thin	16	SSOVRsx	LinStatic	1,24	0,8	-1,1
7	7	Shell-Thin	9	SW2	LinStatic	-213,57	-160,35	201,51
7	7	Shell-Thin	15	SW2	LinStatic	-216,77	-160,99	199,76
7	7	Shell-Thin	16	SW2	LinStatic	-217,64	-165,37	198,48
8	8	Shell-Thin	12	DEAD	LinStatic	-85,64	-64,35	84,3

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
8	8	Shell-Thin	19	DEAD	LinStatic	-91,33	-65,49	83,9
8	8	Shell-Thin	20	DEAD	LinStatic	-91,53	-66,49	81,63
8	8	Shell-Thin	12	STERR	LinStatic	-7,565E-13	-5,586E-13	7,015E-13
8	8	Shell-Thin	19	STERR	LinStatic	-7,718E-13	-5,616E-13	7,022E-13
8	8	Shell-Thin	20	STERR	LinStatic	-7,714E-13	-5,599E-13	6,961E-13
8	8	Shell-Thin	12	SSOVRdx	LinStatic	1,27	0,81	-1,09
8	8	Shell-Thin	19	SSOVRdx	LinStatic	1,24	0,8	-1,09
8	8	Shell-Thin	20	SSOVRdx	LinStatic	1,24	0,8	-1,1
8	8	Shell-Thin	12	SSOVRsx	LinStatic	-1,27	-0,81	1,09
8	8	Shell-Thin	19	SSOVRsx	LinStatic	-1,24	-0,8	1,09
8	8	Shell-Thin	20	SSOVRsx	LinStatic	-1,24	-0,8	1,1
8	8	Shell-Thin	12	SW2	LinStatic	-213,57	-160,35	201,51
8	8	Shell-Thin	19	SW2	LinStatic	-216,77	-160,99	199,76
8	8	Shell-Thin	20	SW2	LinStatic	-217,64	-165,37	198,48
9	9	Shell-Thin	7	DEAD	LinStatic	-110,84	-22,17	63,37
9	9	Shell-Thin	13	DEAD	LinStatic	-104,93	-20,99	71,7
9	9	Shell-Thin	14	DEAD	LinStatic	-108,6	-39,31	122,05
9	9	Shell-Thin	8	DEAD	LinStatic	-114,51	-40,5	113,72
9	9	Shell-Thin	7	STERR	LinStatic	9,261E-13	1,852E-13	-4,324E-13
9	9	Shell-Thin	13	STERR	LinStatic	9,451E-13	1,89E-13	-4,713E-13
9	9	Shell-Thin	14	STERR	LinStatic	9,687E-13	3,071E-13	-8,309E-13
9	9	Shell-Thin	8	STERR	LinStatic	9,497E-13	3,033E-13	-7,919E-13
9	9	Shell-Thin	7	SSOVRdx	LinStatic	-1,18	-0,24	0,43
9	9	Shell-Thin	13	SSOVRdx	LinStatic	-1,26	-0,25	0,39
9	9	Shell-Thin	14	SSOVRdx	LinStatic	-1,24	-0,14	0,76
9	9	Shell-Thin	8	SSOVRdx	LinStatic	-1,15	-0,13	0,79
9	9	Shell-Thin	7	SSOVRsx	LinStatic	1,18	0,24	-0,43
9	9	Shell-Thin	13	SSOVRsx	LinStatic	1,26	0,25	-0,39
9	9	Shell-Thin	14	SSOVRsx	LinStatic	1,24	0,14	-0,76
9	9	Shell-Thin	8	SSOVRsx	LinStatic	1,15	0,13	-0,79
9	9	Shell-Thin	7	SW2	LinStatic	-242,84	-48,57	117,38
9	9	Shell-Thin	13	SW2	LinStatic	-241,84	-48,37	130,14
9	9	Shell-Thin	14	SW2	LinStatic	-249,46	-86,43	227,58
9	9	Shell-Thin	8	SW2	LinStatic	-250,46	-86,63	214,82
10	10	Shell-Thin	8	DEAD	LinStatic	-82,44	-34,08	83,04
10	10	Shell-Thin	14	DEAD	LinStatic	-97,72	-37,14	95,82
10	10	Shell-Thin	15	DEAD	LinStatic	-103,96	-68,34	89,61
10	10	Shell-Thin	9	DEAD	LinStatic	-88,68	-65,28	76,84
10	10	Shell-Thin	8	STERR	LinStatic	6,82E-13	2,497E-13	-6,326E-13
10	10	Shell-Thin	14	STERR	LinStatic	9,046E-13	2,943E-13	-7,389E-13
10	10	Shell-Thin	15	STERR	LinStatic	9,731E-13	6,371E-13	-7,617E-13
10	10	Shell-Thin	9	STERR	LinStatic	7,505E-13	5,926E-13	-6,555E-13
10	10	Shell-Thin	8	SSOVRdx	LinStatic	-0,84	-0,06361	0,7
10	10	Shell-Thin	14	SSOVRdx	LinStatic	-1,33	-0,16	0,85
10	10	Shell-Thin	15	SSOVRdx	LinStatic	-1,47	-0,85	1
10	10	Shell-Thin	9	SSOVRdx	LinStatic	-0,97	-0,75	0,85
10	10	Shell-Thin	8	SSOVRsx	LinStatic	0,84	0,06361	-0,7
10	10	Shell-Thin	14	SSOVRsx	LinStatic	1,33	0,16	-0,85
10	10	Shell-Thin	15	SSOVRsx	LinStatic	1,47	0,85	-1
10	10	Shell-Thin	9	SSOVRsx	LinStatic	0,97	0,75	-0,85
10	10	Shell-Thin	8	SW2	LinStatic	-182,55	-73,05	170,42
10	10	Shell-Thin	14	SW2	LinStatic	-229,31	-82,4	196,75
10	10	Shell-Thin	15	SW2	LinStatic	-246,49	-168,34	199,59
10	10	Shell-Thin	9	SW2	LinStatic	-199,73	-158,99	173,27
11	11	Shell-Thin	10	DEAD	LinStatic	-110,84	-22,17	63,37
11	11	Shell-Thin	17	DEAD	LinStatic	-104,93	-20,99	71,7
11	11	Shell-Thin	18	DEAD	LinStatic	-108,6	-39,31	122,05
11	11	Shell-Thin	11	DEAD	LinStatic	-114,51	-40,5	113,72
11	11	Shell-Thin	10	STERR	LinStatic	-8,511E-13	-1,702E-13	3,966E-13
11	11	Shell-Thin	17	STERR	LinStatic	-8,685E-13	-1,737E-13	4,318E-13
11	11	Shell-Thin	18	STERR	LinStatic	-8,899E-13	-2,804E-13	7,616E-13
11	11	Shell-Thin	11	STERR	LinStatic	-8,724E-13	-2,769E-13	7,264E-13
11	11	Shell-Thin	10	SSOVRdx	LinStatic	1,18	0,24	-0,43
11	11	Shell-Thin	17	SSOVRdx	LinStatic	1,26	0,25	-0,39
11	11	Shell-Thin	18	SSOVRdx	LinStatic	1,24	0,14	-0,76
11	11	Shell-Thin	11	SSOVRdx	LinStatic	1,15	0,13	-0,79
11	11	Shell-Thin	10	SSOVRsx	LinStatic	-1,18	-0,24	0,43
11	11	Shell-Thin	17	SSOVRsx	LinStatic	-1,26	-0,25	0,39
11	11	Shell-Thin	18	SSOVRsx	LinStatic	-1,24	-0,14	0,76
11	11	Shell-Thin	11	SSOVRsx	LinStatic	-1,15	-0,13	0,79

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
11	11	Shell-Thin	10	SW2	LinStatic	-242,84	-48,57	117,38
11	11	Shell-Thin	17	SW2	LinStatic	-241,84	-48,37	130,14
11	11	Shell-Thin	18	SW2	LinStatic	-249,46	-86,43	227,58
11	11	Shell-Thin	11	SW2	LinStatic	-250,46	-86,63	214,82
12	12	Shell-Thin	11	DEAD	LinStatic	-82,44	-34,08	83,04
12	12	Shell-Thin	18	DEAD	LinStatic	-97,72	-37,14	95,82
12	12	Shell-Thin	19	DEAD	LinStatic	-103,96	-68,34	89,61
12	12	Shell-Thin	12	DEAD	LinStatic	-88,68	-65,28	76,84
12	12	Shell-Thin	11	STERR	LinStatic	-6,267E-13	-2,278E-13	5,808E-13
12	12	Shell-Thin	18	STERR	LinStatic	-8,323E-13	-2,689E-13	6,785E-13
12	12	Shell-Thin	19	STERR	LinStatic	-8,957E-13	-5,859E-13	7,002E-13
12	12	Shell-Thin	12	STERR	LinStatic	-6,901E-13	-5,447E-13	6,026E-13
12	12	Shell-Thin	11	SSOVRdx	LinStatic	0,84	0,06361	-0,7
12	12	Shell-Thin	18	SSOVRdx	LinStatic	1,33	0,16	-0,85
12	12	Shell-Thin	19	SSOVRdx	LinStatic	1,47	0,85	-1
12	12	Shell-Thin	12	SSOVRdx	LinStatic	0,97	0,75	-0,85
12	12	Shell-Thin	11	SSOVRsx	LinStatic	-0,84	-0,06361	0,7
12	12	Shell-Thin	18	SSOVRsx	LinStatic	-1,33	-0,16	0,85
12	12	Shell-Thin	19	SSOVRsx	LinStatic	-1,47	-0,85	1
12	12	Shell-Thin	12	SSOVRsx	LinStatic	-0,97	-0,75	0,85
12	12	Shell-Thin	11	SW2	LinStatic	-182,55	-73,05	170,42
12	12	Shell-Thin	18	SW2	LinStatic	-229,31	-82,4	196,75
12	12	Shell-Thin	19	SW2	LinStatic	-246,49	-168,34	199,59
12	12	Shell-Thin	12	SW2	LinStatic	-199,73	-158,99	173,27
13	13	Shell-Thin	16	DEAD	LinStatic	-111,71	-84,9	97,04
13	13	Shell-Thin	24	DEAD	LinStatic	-98,47	-82,26	93,28
13	13	Shell-Thin	25	DEAD	LinStatic	-100,35	-91,66	98,58
13	13	Shell-Thin	16	STERR	LinStatic	1,191E-12	8,311E-13	-9,49E-13
13	13	Shell-Thin	24	STERR	LinStatic	9,826E-13	7,895E-13	-9,019E-13
13	13	Shell-Thin	25	STERR	LinStatic	1,006E-12	9,072E-13	-9,851E-13
13	13	Shell-Thin	16	SSOVRdx	LinStatic	-2,27	-1,23	1,57
13	13	Shell-Thin	24	SSOVRdx	LinStatic	-1,68	-1,11	1,42
13	13	Shell-Thin	25	SSOVRdx	LinStatic	-1,75	-1,47	1,66
13	13	Shell-Thin	16	SSOVRsx	LinStatic	2,27	1,23	-1,57
13	13	Shell-Thin	24	SSOVRsx	LinStatic	1,68	1,11	-1,42
13	13	Shell-Thin	25	SSOVRsx	LinStatic	1,75	1,47	-1,66
13	13	Shell-Thin	16	SW2	LinStatic	-288,77	-212,11	243,5
13	13	Shell-Thin	24	SW2	LinStatic	-245,45	-203,44	230,36
13	13	Shell-Thin	25	SW2	LinStatic	-252,02	-236,29	247,69
14	14	Shell-Thin	20	DEAD	LinStatic	-111,71	-84,9	97,04
14	14	Shell-Thin	29	DEAD	LinStatic	-98,47	-82,26	93,28
14	14	Shell-Thin	30	DEAD	LinStatic	-100,35	-91,66	98,58
14	14	Shell-Thin	20	STERR	LinStatic	-1,099E-12	-7,65E-13	8,747E-13
14	14	Shell-Thin	29	STERR	LinStatic	-9,057E-13	-7,263E-13	8,308E-13
14	14	Shell-Thin	30	STERR	LinStatic	-9,276E-13	-8,361E-13	9,082E-13
14	14	Shell-Thin	20	SSOVRdx	LinStatic	2,27	1,23	-1,57
14	14	Shell-Thin	29	SSOVRdx	LinStatic	1,68	1,11	-1,42
14	14	Shell-Thin	30	SSOVRdx	LinStatic	1,75	1,47	-1,66
14	14	Shell-Thin	20	SSOVRsx	LinStatic	-2,27	-1,23	1,57
14	14	Shell-Thin	29	SSOVRsx	LinStatic	-1,68	-1,11	1,42
14	14	Shell-Thin	30	SSOVRsx	LinStatic	-1,75	-1,47	1,66
14	14	Shell-Thin	20	SW2	LinStatic	-288,77	-212,11	243,5
14	14	Shell-Thin	29	SW2	LinStatic	-245,45	-203,44	230,36
14	14	Shell-Thin	30	SW2	LinStatic	-252,02	-236,29	247,69
15	15	Shell-Thin	13	DEAD	LinStatic	-104,93	-20,99	71,7
15	15	Shell-Thin	21	DEAD	LinStatic	-101,7	-20,34	70,76
15	15	Shell-Thin	22	DEAD	LinStatic	-104,94	-36,56	121,91
15	15	Shell-Thin	14	DEAD	LinStatic	-108,18	-37,21	122,84
15	15	Shell-Thin	13	STERR	LinStatic	9,451E-13	1,89E-13	-4,713E-13
15	15	Shell-Thin	21	STERR	LinStatic	9,683E-13	1,937E-13	-4,618E-13
15	15	Shell-Thin	22	STERR	LinStatic	9,868E-13	2,859E-13	-8,297E-13
15	15	Shell-Thin	14	STERR	LinStatic	9,635E-13	2,813E-13	-8,392E-13
15	15	Shell-Thin	13	SSOVRdx	LinStatic	-1,26	-0,25	0,39
15	15	Shell-Thin	21	SSOVRdx	LinStatic	-1,27	-0,25	0,3
15	15	Shell-Thin	22	SSOVRdx	LinStatic	-1,22	0,004132	0,66
15	15	Shell-Thin	14	SSOVRdx	LinStatic	-1,21	0,007235	0,75
15	15	Shell-Thin	13	SSOVRsx	LinStatic	1,26	0,25	-0,39
15	15	Shell-Thin	21	SSOVRsx	LinStatic	1,27	0,25	-0,3
15	15	Shell-Thin	22	SSOVRsx	LinStatic	1,22	-0,004132	-0,66
15	15	Shell-Thin	14	SSOVRsx	LinStatic	1,21	-0,007235	-0,75

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
15	15	Shell-Thin	13	SW2	LinStatic	-241,84	-48,37	130,14
15	15	Shell-Thin	21	SW2	LinStatic	-242,56	-48,51	128,75
15	15	Shell-Thin	22	SW2	LinStatic	-249,89	-85,14	228,41
15	15	Shell-Thin	14	SW2	LinStatic	-249,17	-85	229,8
16	16	Shell-Thin	14	DEAD	LinStatic	-97,3	-35,03	96,6
16	16	Shell-Thin	22	DEAD	LinStatic	-101,21	-35,81	94,15
16	16	Shell-Thin	23	DEAD	LinStatic	-105,35	-56,52	87,03
16	16	Shell-Thin	15	DEAD	LinStatic	-101,44	-55,74	89,48
16	16	Shell-Thin	14	STERR	LinStatic	8,994E-13	2,685E-13	-7,472E-13
16	16	Shell-Thin	22	STERR	LinStatic	9,9E-13	2,866E-13	-7,063E-13
16	16	Shell-Thin	23	STERR	LinStatic	1,035E-12	5,094E-13	-7,115E-13
16	16	Shell-Thin	15	STERR	LinStatic	9,44E-13	4,913E-13	-7,524E-13
16	16	Shell-Thin	14	SSOVRdx	LinStatic	-1,3	-0,01197	0,85
16	16	Shell-Thin	22	SSOVRdx	LinStatic	-1,51	-0,05244	0,67
16	16	Shell-Thin	23	SSOVRdx	LinStatic	-1,59	-0,45	0,79
16	16	Shell-Thin	15	SSOVRdx	LinStatic	-1,38	-0,41	0,97
16	16	Shell-Thin	14	SSOVRsx	LinStatic	1,3	0,01197	-0,85
16	16	Shell-Thin	22	SSOVRsx	LinStatic	1,51	0,05244	-0,67
16	16	Shell-Thin	23	SSOVRsx	LinStatic	1,59	0,45	-0,79
16	16	Shell-Thin	15	SSOVRsx	LinStatic	1,38	0,41	-0,97
16	16	Shell-Thin	14	SW2	LinStatic	-229,02	-80,97	198,96
16	16	Shell-Thin	22	SW2	LinStatic	-243,24	-83,81	191,67
16	16	Shell-Thin	23	SW2	LinStatic	-254,39	-139,55	188,78
16	16	Shell-Thin	15	SW2	LinStatic	-240,17	-136,71	196,07
17	17	Shell-Thin	15	DEAD	LinStatic	-86,98	-52,85	85,02
17	17	Shell-Thin	23	DEAD	LinStatic	-100,28	-55,51	89,72
17	17	Shell-Thin	24	DEAD	LinStatic	-106,55	-86,88	90,16
17	17	Shell-Thin	16	DEAD	LinStatic	-93,25	-84,22	85,46
17	17	Shell-Thin	15	STERR	LinStatic	8,034E-13	4,632E-13	-7,589E-13
17	17	Shell-Thin	23	STERR	LinStatic	1,018E-12	5,061E-13	-7,765E-13
17	17	Shell-Thin	24	STERR	LinStatic	1,086E-12	8,479E-13	-8,232E-13
17	17	Shell-Thin	16	STERR	LinStatic	8,718E-13	8,05E-13	-8,057E-13
17	17	Shell-Thin	15	SSOVRdx	LinStatic	-1,16	-0,37	1,06
17	17	Shell-Thin	23	SSOVRdx	LinStatic	-1,72	-0,48	0,99
17	17	Shell-Thin	24	SSOVRdx	LinStatic	-1,88	-1,27	1,15
17	17	Shell-Thin	16	SSOVRdx	LinStatic	-1,32	-1,16	1,22
17	17	Shell-Thin	15	SSOVRsx	LinStatic	1,16	0,37	-1,06
17	17	Shell-Thin	23	SSOVRsx	LinStatic	1,72	0,48	-0,99
17	17	Shell-Thin	24	SSOVRsx	LinStatic	1,88	1,27	-1,15
17	17	Shell-Thin	16	SSOVRsx	LinStatic	1,32	1,16	-1,22
17	17	Shell-Thin	15	SW2	LinStatic	-209,66	-130,61	195,92
17	17	Shell-Thin	23	SW2	LinStatic	-247,01	-138,08	200,59
17	17	Shell-Thin	24	SW2	LinStatic	-262,88	-217,44	212,16
17	17	Shell-Thin	16	SW2	LinStatic	-225,54	-209,97	207,5
18	18	Shell-Thin	17	DEAD	LinStatic	-104,93	-20,99	71,7
18	18	Shell-Thin	26	DEAD	LinStatic	-101,7	-20,34	70,76
18	18	Shell-Thin	27	DEAD	LinStatic	-104,94	-36,56	121,91
18	18	Shell-Thin	18	DEAD	LinStatic	-108,18	-37,21	122,84
18	18	Shell-Thin	17	STERR	LinStatic	-8,685E-13	-1,737E-13	4,318E-13
18	18	Shell-Thin	26	STERR	LinStatic	-8,894E-13	-1,779E-13	4,225E-13
18	18	Shell-Thin	27	STERR	LinStatic	-9,059E-13	-2,602E-13	7,598E-13
18	18	Shell-Thin	18	STERR	LinStatic	-8,85E-13	-2,561E-13	7,691E-13
18	18	Shell-Thin	17	SSOVRdx	LinStatic	1,26	0,25	-0,39
18	18	Shell-Thin	26	SSOVRdx	LinStatic	1,27	0,25	-0,3
18	18	Shell-Thin	27	SSOVRdx	LinStatic	1,22	-0,004132	-0,66
18	18	Shell-Thin	18	SSOVRdx	LinStatic	1,21	-0,007235	-0,75
18	18	Shell-Thin	17	SSOVRsx	LinStatic	-1,26	-0,25	0,39
18	18	Shell-Thin	26	SSOVRsx	LinStatic	-1,27	-0,25	0,3
18	18	Shell-Thin	27	SSOVRsx	LinStatic	-1,22	0,004132	0,66
18	18	Shell-Thin	18	SSOVRsx	LinStatic	-1,21	0,007235	0,75
18	18	Shell-Thin	17	SW2	LinStatic	-241,84	-48,37	130,14
18	18	Shell-Thin	26	SW2	LinStatic	-242,56	-48,51	128,75
18	18	Shell-Thin	27	SW2	LinStatic	-249,89	-85,14	228,41
18	18	Shell-Thin	18	SW2	LinStatic	-249,17	-85	229,8
19	19	Shell-Thin	18	DEAD	LinStatic	-97,3	-35,03	96,6
19	19	Shell-Thin	27	DEAD	LinStatic	-101,21	-35,81	94,15
19	19	Shell-Thin	28	DEAD	LinStatic	-105,35	-56,52	87,03
19	19	Shell-Thin	19	DEAD	LinStatic	-101,44	-55,74	89,48
19	19	Shell-Thin	18	STERR	LinStatic	-8,275E-13	-2,446E-13	6,86E-13
19	19	Shell-Thin	27	STERR	LinStatic	-9,108E-13	-2,612E-13	6,474E-13

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
19	19	Shell-Thin	28	STERR	LinStatic	-9,519E-13	-4,669E-13	6,53E-13
19	19	Shell-Thin	19	STERR	LinStatic	-8,686E-13	-4,502E-13	6,916E-13
19	19	Shell-Thin	18	SSOVRdx	LinStatic	1,3	0,01197	-0,85
19	19	Shell-Thin	27	SSOVRdx	LinStatic	1,51	0,05244	-0,67
19	19	Shell-Thin	28	SSOVRdx	LinStatic	1,59	0,45	-0,79
19	19	Shell-Thin	19	SSOVRdx	LinStatic	1,38	0,41	-0,97
19	19	Shell-Thin	18	SSOVRsx	LinStatic	-1,3	-0,01197	0,85
19	19	Shell-Thin	27	SSOVRsx	LinStatic	-1,51	-0,05244	0,67
19	19	Shell-Thin	28	SSOVRsx	LinStatic	-1,59	-0,45	0,79
19	19	Shell-Thin	19	SSOVRsx	LinStatic	-1,38	-0,41	0,97
19	19	Shell-Thin	18	SW2	LinStatic	-229,02	-80,97	198,96
19	19	Shell-Thin	27	SW2	LinStatic	-243,24	-83,81	191,67
19	19	Shell-Thin	28	SW2	LinStatic	-254,39	-139,55	188,78
19	19	Shell-Thin	19	SW2	LinStatic	-240,17	-136,71	196,07
20	20	Shell-Thin	19	DEAD	LinStatic	-86,98	-52,85	85,02
20	20	Shell-Thin	28	DEAD	LinStatic	-100,28	-55,51	89,72
20	20	Shell-Thin	29	DEAD	LinStatic	-106,55	-86,88	90,16
20	20	Shell-Thin	20	DEAD	LinStatic	-93,25	-84,22	85,46
20	20	Shell-Thin	19	STERR	LinStatic	-7,394E-13	-4,244E-13	6,981E-13
20	20	Shell-Thin	28	STERR	LinStatic	-9,377E-13	-4,64E-13	7,135E-13
20	20	Shell-Thin	29	STERR	LinStatic	-1,001E-12	-7,805E-13	7,571E-13
20	20	Shell-Thin	20	STERR	LinStatic	-8,027E-13	-7,408E-13	7,418E-13
20	20	Shell-Thin	19	SSOVRdx	LinStatic	1,16	0,37	-1,06
20	20	Shell-Thin	28	SSOVRdx	LinStatic	1,72	0,48	-0,99
20	20	Shell-Thin	29	SSOVRdx	LinStatic	1,88	1,27	-1,15
20	20	Shell-Thin	20	SSOVRdx	LinStatic	1,32	1,16	-1,22
20	20	Shell-Thin	19	SSOVRsx	LinStatic	-1,16	-0,37	1,06
20	20	Shell-Thin	28	SSOVRsx	LinStatic	-1,72	-0,48	0,99
20	20	Shell-Thin	29	SSOVRsx	LinStatic	-1,88	-1,27	1,15
20	20	Shell-Thin	20	SSOVRsx	LinStatic	-1,32	-1,16	1,22
20	20	Shell-Thin	19	SW2	LinStatic	-209,66	-130,61	195,92
20	20	Shell-Thin	28	SW2	LinStatic	-247,01	-138,08	200,59
20	20	Shell-Thin	29	SW2	LinStatic	-262,88	-217,44	212,16
20	20	Shell-Thin	20	SW2	LinStatic	-225,54	-209,97	207,5
21	21	Shell-Thin	25	DEAD	LinStatic	-107,81	-81,72	103,02
21	21	Shell-Thin	35	DEAD	LinStatic	-91,56	-78,47	96,81
21	21	Shell-Thin	36	DEAD	LinStatic	-94,66	-93,98	103,31
21	21	Shell-Thin	25	STERR	LinStatic	1,247E-12	8,53E-13	-1,116E-12
21	21	Shell-Thin	35	STERR	LinStatic	1,001E-12	8,038E-13	-1,024E-12
21	21	Shell-Thin	36	STERR	LinStatic	1,047E-12	1,034E-12	-1,123E-12
21	21	Shell-Thin	25	SSOVRdx	LinStatic	-2,55	-1,18	2,06
21	21	Shell-Thin	35	SSOVRdx	LinStatic	-1,67	-1,01	1,74
21	21	Shell-Thin	36	SSOVRdx	LinStatic	-1,83	-1,82	2,09
21	21	Shell-Thin	25	SSOVRsx	LinStatic	2,55	1,18	-2,06
21	21	Shell-Thin	35	SSOVRsx	LinStatic	1,67	1,01	-1,74
21	21	Shell-Thin	36	SSOVRsx	LinStatic	1,83	1,82	-2,09
21	21	Shell-Thin	25	SW2	LinStatic	-278,91	-215,73	265,53
21	21	Shell-Thin	35	SW2	LinStatic	-230,38	-206,02	246,59
21	21	Shell-Thin	36	SW2	LinStatic	-239,85	-253,38	266
22	22	Shell-Thin	30	DEAD	LinStatic	-107,81	-81,72	103,02
22	22	Shell-Thin	41	DEAD	LinStatic	-91,56	-78,47	96,81
22	22	Shell-Thin	42	DEAD	LinStatic	-94,66	-93,98	103,31
22	22	Shell-Thin	30	STERR	LinStatic	-1,152E-12	-7,845E-13	1,03E-12
22	22	Shell-Thin	41	STERR	LinStatic	-9,21E-13	-7,383E-13	9,435E-13
22	22	Shell-Thin	42	STERR	LinStatic	-9,64E-13	-9,533E-13	1,036E-12
22	22	Shell-Thin	30	SSOVRdx	LinStatic	2,55	1,18	-2,06
22	22	Shell-Thin	41	SSOVRdx	LinStatic	1,67	1,01	-1,74
22	22	Shell-Thin	42	SSOVRdx	LinStatic	1,83	1,82	-2,09
22	22	Shell-Thin	30	SSOVRsx	LinStatic	-2,55	-1,18	2,06
22	22	Shell-Thin	41	SSOVRsx	LinStatic	-1,67	-1,01	1,74
22	22	Shell-Thin	42	SSOVRsx	LinStatic	-1,83	-1,82	2,09
22	22	Shell-Thin	30	SW2	LinStatic	-278,91	-215,73	265,53
22	22	Shell-Thin	41	SW2	LinStatic	-230,38	-206,02	246,59
22	22	Shell-Thin	42	SW2	LinStatic	-239,85	-253,38	266
23	23	Shell-Thin	21	DEAD	LinStatic	-101,7	-20,34	70,76
23	23	Shell-Thin	31	DEAD	LinStatic	-86,12	-17,22	70,37
23	23	Shell-Thin	32	DEAD	LinStatic	-88,53	-29,3	127,49
23	23	Shell-Thin	22	DEAD	LinStatic	-104,11	-32,42	127,89
23	23	Shell-Thin	21	STERR	LinStatic	9,683E-13	1,937E-13	-4,618E-13
23	23	Shell-Thin	31	STERR	LinStatic	8,775E-13	1,755E-13	-4,277E-13

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
23	23	Shell-Thin	32	STERR	LinStatic	8,886E-13	2,309E-13	-8,174E-13
23	23	Shell-Thin	22	STERR	LinStatic	9,794E-13	2,491E-13	-8,515E-13
23	23	Shell-Thin	21	SSOVRdx	LinStatic	-1,27	-0,25	0,3
23	23	Shell-Thin	31	SSOVRdx	LinStatic	-0,69	-0,14	0,02385
23	23	Shell-Thin	32	SSOVRdx	LinStatic	-0,6	0,32	0,28
23	23	Shell-Thin	22	SSOVRdx	LinStatic	-1,18	0,2	0,56
23	23	Shell-Thin	21	SSOVRsx	LinStatic	1,27	0,25	-0,3
23	23	Shell-Thin	31	SSOVRsx	LinStatic	0,69	0,14	-0,02385
23	23	Shell-Thin	32	SSOVRsx	LinStatic	0,6	-0,32	-0,28
23	23	Shell-Thin	22	SSOVRsx	LinStatic	1,18	-0,2	-0,56
23	23	Shell-Thin	21	SW2	LinStatic	-242,56	-48,51	128,75
23	23	Shell-Thin	31	SW2	LinStatic	-214,14	-42,83	130,04
23	23	Shell-Thin	32	SW2	LinStatic	-221,37	-79	238,49
23	23	Shell-Thin	22	SW2	LinStatic	-249,8	-84,69	237,21
24	24	Shell-Thin	22	DEAD	LinStatic	-100,38	-31,67	100,13
24	24	Shell-Thin	32	DEAD	LinStatic	-85,13	-28,62	101,82
24	24	Shell-Thin	33	DEAD	LinStatic	-88,67	-46,32	87,93
24	24	Shell-Thin	23	DEAD	LinStatic	-103,92	-49,37	86,24
24	24	Shell-Thin	22	STERR	LinStatic	9,827E-13	2,497E-13	-7,281E-13
24	24	Shell-Thin	32	STERR	LinStatic	8,957E-13	2,323E-13	-7,382E-13
24	24	Shell-Thin	33	STERR	LinStatic	9,318E-13	4,129E-13	-7,031E-13
24	24	Shell-Thin	23	STERR	LinStatic	1,019E-12	4,303E-13	-6,93E-13
24	24	Shell-Thin	22	SSOVRdx	LinStatic	-1,47	0,15	0,56
24	24	Shell-Thin	32	SSOVRdx	LinStatic	-1	0,24	0,5
24	24	Shell-Thin	33	SSOVRdx	LinStatic	-1,05	0,01274	0,59
24	24	Shell-Thin	23	SSOVRdx	LinStatic	-1,51	-0,08015	0,65
24	24	Shell-Thin	22	SSOVRsx	LinStatic	1,47	-0,15	-0,56
24	24	Shell-Thin	32	SSOVRsx	LinStatic	1	-0,24	-0,5
24	24	Shell-Thin	33	SSOVRsx	LinStatic	1,05	-0,01274	-0,59
24	24	Shell-Thin	23	SSOVRsx	LinStatic	1,51	0,08015	-0,65
24	24	Shell-Thin	22	SW2	LinStatic	-243,15	-83,36	200,47
24	24	Shell-Thin	32	SW2	LinStatic	-206,72	-76,07	204,89
24	24	Shell-Thin	33	SW2	LinStatic	-216,8	-126,48	191,31
24	24	Shell-Thin	23	SW2	LinStatic	-253,23	-133,77	186,9
25	25	Shell-Thin	23	DEAD	LinStatic	-98,84	-48,36	88,93
25	25	Shell-Thin	33	DEAD	LinStatic	-84,55	-45,5	88,47
25	25	Shell-Thin	34	DEAD	LinStatic	-87,86	-62,08	89,95
25	25	Shell-Thin	24	DEAD	LinStatic	-102,16	-64,94	90,41
25	25	Shell-Thin	23	STERR	LinStatic	1,002E-12	4,27E-13	-7,579E-13
25	25	Shell-Thin	33	STERR	LinStatic	9,062E-13	4,078E-13	-7,299E-13
25	25	Shell-Thin	34	STERR	LinStatic	9,442E-13	5,98E-13	-7,775E-13
25	25	Shell-Thin	24	STERR	LinStatic	1,04E-12	6,172E-13	-8,055E-13
25	25	Shell-Thin	23	SSOVRdx	LinStatic	-1,65	-0,11	0,85
25	25	Shell-Thin	33	SSOVRdx	LinStatic	-1,19	-0,0156	0,65
25	25	Shell-Thin	34	SSOVRdx	LinStatic	-1,27	-0,44	0,83
25	25	Shell-Thin	24	SSOVRdx	LinStatic	-1,73	-0,53	1,04
25	25	Shell-Thin	23	SSOVRsx	LinStatic	1,65	0,11	-0,85
25	25	Shell-Thin	33	SSOVRsx	LinStatic	1,19	0,0156	-0,65
25	25	Shell-Thin	34	SSOVRsx	LinStatic	1,27	0,44	-0,83
25	25	Shell-Thin	24	SSOVRsx	LinStatic	1,73	0,53	-1,04
25	25	Shell-Thin	23	SW2	LinStatic	-245,85	-132,29	198,7
25	25	Shell-Thin	33	SW2	LinStatic	-203,98	-123,92	196,58
25	25	Shell-Thin	34	SW2	LinStatic	-212,49	-166,44	203,11
25	25	Shell-Thin	24	SW2	LinStatic	-254,36	-174,82	205,24
26	26	Shell-Thin	24	DEAD	LinStatic	-99,12	-64,33	87,5
26	26	Shell-Thin	34	DEAD	LinStatic	-83,4	-61,19	90,16
26	26	Shell-Thin	35	DEAD	LinStatic	-87,69	-82,66	91,29
26	26	Shell-Thin	25	DEAD	LinStatic	-103,41	-85,8	88,63
26	26	Shell-Thin	24	STERR	LinStatic	1,014E-12	6,119E-13	-7,973E-13
26	26	Shell-Thin	34	STERR	LinStatic	9,153E-13	5,923E-13	-8,174E-13
26	26	Shell-Thin	35	STERR	LinStatic	9,712E-13	8,716E-13	-8,856E-13
26	26	Shell-Thin	25	STERR	LinStatic	1,07E-12	8,913E-13	-8,656E-13
26	26	Shell-Thin	24	SSOVRdx	LinStatic	-1,75	-0,54	1,05
26	26	Shell-Thin	34	SSOVRdx	LinStatic	-1,33	-0,45	1,01
26	26	Shell-Thin	35	SSOVRdx	LinStatic	-1,49	-1,23	1,22
26	26	Shell-Thin	25	SSOVRdx	LinStatic	-1,91	-1,32	1,26
26	26	Shell-Thin	24	SSOVRsx	LinStatic	1,75	0,54	-1,05
26	26	Shell-Thin	34	SSOVRsx	LinStatic	1,33	0,45	-1,01
26	26	Shell-Thin	35	SSOVRsx	LinStatic	1,49	1,23	-1,22
26	26	Shell-Thin	25	SSOVRsx	LinStatic	1,91	1,32	-1,26

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
26	26	Shell-Thin	24	SW2	LinStatic	-253,55	-174,66	203,13
26	26	Shell-Thin	34	SW2	LinStatic	-200,96	-164,14	207,45
26	26	Shell-Thin	35	SW2	LinStatic	-211,61	-217,42	221,34
26	26	Shell-Thin	25	SW2	LinStatic	-264,21	-227,94	217,01
27	27	Shell-Thin	26	DEAD	LinStatic	-101,7	-20,34	70,76
27	27	Shell-Thin	37	DEAD	LinStatic	-86,12	-17,22	70,37
27	27	Shell-Thin	38	DEAD	LinStatic	-88,53	-29,3	127,49
27	27	Shell-Thin	27	DEAD	LinStatic	-104,11	-32,42	127,89
27	27	Shell-Thin	26	STERR	LinStatic	-8,894E-13	-1,779E-13	4,225E-13
27	27	Shell-Thin	37	STERR	LinStatic	-8,014E-13	-1,603E-13	3,896E-13
27	27	Shell-Thin	38	STERR	LinStatic	-8,11E-13	-2,083E-13	7,461E-13
27	27	Shell-Thin	27	STERR	LinStatic	-8,99E-13	-2,258E-13	7,791E-13
27	27	Shell-Thin	26	SSOVRdx	LinStatic	1,27	0,25	-0,3
27	27	Shell-Thin	37	SSOVRdx	LinStatic	0,69	0,14	-0,02385
27	27	Shell-Thin	38	SSOVRdx	LinStatic	0,6	-0,32	-0,28
27	27	Shell-Thin	27	SSOVRdx	LinStatic	1,18	-0,2	-0,56
27	27	Shell-Thin	26	SSOVRsx	LinStatic	-1,27	-0,25	0,3
27	27	Shell-Thin	37	SSOVRsx	LinStatic	-0,69	-0,14	0,02385
27	27	Shell-Thin	38	SSOVRsx	LinStatic	-0,6	0,32	0,28
27	27	Shell-Thin	27	SSOVRsx	LinStatic	-1,18	0,2	0,56
27	27	Shell-Thin	26	SW2	LinStatic	-242,56	-48,51	128,75
27	27	Shell-Thin	37	SW2	LinStatic	-214,14	-42,83	130,04
27	27	Shell-Thin	38	SW2	LinStatic	-221,37	-79	238,49
27	27	Shell-Thin	27	SW2	LinStatic	-249,8	-84,69	237,21
28	28	Shell-Thin	27	DEAD	LinStatic	-100,38	-31,67	100,13
28	28	Shell-Thin	38	DEAD	LinStatic	-85,13	-28,62	101,82
28	28	Shell-Thin	39	DEAD	LinStatic	-88,67	-46,32	87,93
28	28	Shell-Thin	28	DEAD	LinStatic	-103,92	-49,37	86,24
28	28	Shell-Thin	27	STERR	LinStatic	-9,039E-13	-2,268E-13	6,666E-13
28	28	Shell-Thin	38	STERR	LinStatic	-8,199E-13	-2,1E-13	6,755E-13
28	28	Shell-Thin	39	STERR	LinStatic	-8,531E-13	-3,759E-13	6,437E-13
28	28	Shell-Thin	28	STERR	LinStatic	-9,371E-13	-3,927E-13	6,349E-13
28	28	Shell-Thin	27	SSOVRdx	LinStatic	1,47	-0,15	-0,56
28	28	Shell-Thin	38	SSOVRdx	LinStatic	1	-0,24	-0,5
28	28	Shell-Thin	39	SSOVRdx	LinStatic	1,05	-0,01274	-0,59
28	28	Shell-Thin	28	SSOVRdx	LinStatic	1,51	0,08015	-0,65
28	28	Shell-Thin	27	SSOVRsx	LinStatic	-1,47	0,15	0,56
28	28	Shell-Thin	38	SSOVRsx	LinStatic	-1	0,24	0,5
28	28	Shell-Thin	39	SSOVRsx	LinStatic	-1,05	0,01274	0,59
28	28	Shell-Thin	28	SSOVRsx	LinStatic	-1,51	-0,08015	0,65
28	28	Shell-Thin	27	SW2	LinStatic	-243,15	-83,36	200,47
28	28	Shell-Thin	38	SW2	LinStatic	-206,72	-76,07	204,89
28	28	Shell-Thin	39	SW2	LinStatic	-216,8	-126,48	191,31
28	28	Shell-Thin	28	SW2	LinStatic	-253,23	-133,77	186,9
29	29	Shell-Thin	28	DEAD	LinStatic	-98,84	-48,36	88,93
29	29	Shell-Thin	39	DEAD	LinStatic	-84,55	-45,5	88,47
29	29	Shell-Thin	40	DEAD	LinStatic	-87,86	-62,08	89,95
29	29	Shell-Thin	29	DEAD	LinStatic	-102,16	-64,94	90,41
29	29	Shell-Thin	28	STERR	LinStatic	-9,229E-13	-3,899E-13	6,953E-13
29	29	Shell-Thin	39	STERR	LinStatic	-8,307E-13	-3,715E-13	6,683E-13
29	29	Shell-Thin	40	STERR	LinStatic	-8,659E-13	-5,473E-13	7,132E-13
29	29	Shell-Thin	29	STERR	LinStatic	-9,581E-13	-5,657E-13	7,403E-13
29	29	Shell-Thin	28	SSOVRdx	LinStatic	1,65	0,11	-0,85
29	29	Shell-Thin	39	SSOVRdx	LinStatic	1,19	0,0156	-0,65
29	29	Shell-Thin	40	SSOVRdx	LinStatic	1,27	0,44	-0,83
29	29	Shell-Thin	29	SSOVRdx	LinStatic	1,73	0,53	-1,04
29	29	Shell-Thin	28	SSOVRsx	LinStatic	-1,65	-0,11	0,85
29	29	Shell-Thin	39	SSOVRsx	LinStatic	-1,19	-0,0156	0,65
29	29	Shell-Thin	40	SSOVRsx	LinStatic	-1,27	-0,44	0,83
29	29	Shell-Thin	29	SSOVRsx	LinStatic	-1,73	-0,53	1,04
29	29	Shell-Thin	28	SW2	LinStatic	-245,85	-132,29	198,7
29	29	Shell-Thin	39	SW2	LinStatic	-203,98	-123,92	196,58
29	29	Shell-Thin	40	SW2	LinStatic	-212,49	-166,44	203,11
29	29	Shell-Thin	29	SW2	LinStatic	-254,36	-174,82	205,24
30	30	Shell-Thin	29	DEAD	LinStatic	-99,12	-64,33	87,5
30	30	Shell-Thin	40	DEAD	LinStatic	-83,4	-61,19	90,16
30	30	Shell-Thin	41	DEAD	LinStatic	-87,69	-82,66	91,29
30	30	Shell-Thin	30	DEAD	LinStatic	-103,41	-85,8	88,63
30	30	Shell-Thin	29	STERR	LinStatic	-9,345E-13	-5,61E-13	7,331E-13
30	30	Shell-Thin	40	STERR	LinStatic	-8,405E-13	-5,422E-13	7,505E-13

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
30	30	Shell-Thin	41	STERR	LinStatic	-8,924E-13	-8,014E-13	8,135E-13
30	30	Shell-Thin	30	STERR	LinStatic	-9,864E-13	-8,202E-13	7,961E-13
30	30	Shell-Thin	29	SSOVRdx	LinStatic	1,75	0,54	-1,05
30	30	Shell-Thin	40	SSOVRdx	LinStatic	1,33	0,45	-1,01
30	30	Shell-Thin	41	SSOVRdx	LinStatic	1,49	1,23	-1,22
30	30	Shell-Thin	30	SSOVRdx	LinStatic	1,91	1,32	-1,26
30	30	Shell-Thin	29	SSOVRsx	LinStatic	-1,75	-0,54	1,05
30	30	Shell-Thin	40	SSOVRsx	LinStatic	-1,33	-0,45	1,01
30	30	Shell-Thin	41	SSOVRsx	LinStatic	-1,49	-1,23	1,22
30	30	Shell-Thin	30	SSOVRsx	LinStatic	-1,91	-1,32	1,26
30	30	Shell-Thin	29	SW2	LinStatic	-253,55	-174,66	203,13
30	30	Shell-Thin	40	SW2	LinStatic	-200,96	-164,14	207,45
30	30	Shell-Thin	41	SW2	LinStatic	-211,61	-217,42	221,34
30	30	Shell-Thin	30	SW2	LinStatic	-264,21	-227,94	217,01
31	31	Shell-Thin	36	DEAD	LinStatic	-89,35	-83,68	97,5
31	31	Shell-Thin	48	DEAD	LinStatic	-75,07	-80,82	90,79
31	31	Shell-Thin	49	DEAD	LinStatic	-78,43	-97,62	96,5
31	31	Shell-Thin	36	STERR	LinStatic	1,144E-12	1,024E-12	-1,191E-12
31	31	Shell-Thin	48	STERR	LinStatic	8,494E-13	9,651E-13	-1,087E-12
31	31	Shell-Thin	49	STERR	LinStatic	9,013E-13	1,225E-12	-1,205E-12
31	31	Shell-Thin	36	SSOVRdx	LinStatic	-2,47	-1,7	2,48
31	31	Shell-Thin	48	SSOVRdx	LinStatic	-1,35	-1,47	2,09
31	31	Shell-Thin	49	SSOVRdx	LinStatic	-1,55	-2,44	2,54
31	31	Shell-Thin	36	SSOVRsx	LinStatic	2,47	1,7	-2,48
31	31	Shell-Thin	48	SSOVRsx	LinStatic	1,35	1,47	-2,09
31	31	Shell-Thin	49	SSOVRsx	LinStatic	1,55	2,44	-2,54
31	31	Shell-Thin	36	SW2	LinStatic	-230,39	-237,32	253,58
31	31	Shell-Thin	48	SW2	LinStatic	-183,53	-227,95	233,78
31	31	Shell-Thin	49	SW2	LinStatic	-193,43	-277,45	252,52
32	32	Shell-Thin	42	DEAD	LinStatic	-89,35	-83,68	97,5
32	32	Shell-Thin	55	DEAD	LinStatic	-75,07	-80,82	90,79
32	32	Shell-Thin	56	DEAD	LinStatic	-78,43	-97,62	96,5
32	32	Shell-Thin	42	STERR	LinStatic	-1,057E-12	-9,432E-13	1,099E-12
32	32	Shell-Thin	55	STERR	LinStatic	-7,787E-13	-8,875E-13	1,003E-12
32	32	Shell-Thin	56	STERR	LinStatic	-8,27E-13	-1,129E-12	1,114E-12
32	32	Shell-Thin	42	SSOVRdx	LinStatic	2,47	1,7	-2,48
32	32	Shell-Thin	55	SSOVRdx	LinStatic	1,35	1,47	-2,09
32	32	Shell-Thin	56	SSOVRdx	LinStatic	1,55	2,44	-2,54
32	32	Shell-Thin	42	SSOVRsx	LinStatic	-2,47	-1,7	2,48
32	32	Shell-Thin	55	SSOVRsx	LinStatic	-1,35	-1,47	2,09
32	32	Shell-Thin	56	SSOVRsx	LinStatic	-1,55	-2,44	2,54
32	32	Shell-Thin	42	SW2	LinStatic	-230,39	-237,32	253,58
32	32	Shell-Thin	55	SW2	LinStatic	-183,53	-227,95	233,78
32	32	Shell-Thin	56	SW2	LinStatic	-193,43	-277,45	252,52
33	33	Shell-Thin	49	DEAD	LinStatic	-80,35	-81,25	88,17
33	33	Shell-Thin	63	DEAD	LinStatic	-72,78	-79,73	79,6
33	33	Shell-Thin	64	DEAD	LinStatic	-77,07	-101,16	82,63
33	33	Shell-Thin	49	STERR	LinStatic	1,146E-12	1,141E-12	-1,14E-12
33	33	Shell-Thin	63	STERR	LinStatic	8,387E-13	1,08E-12	-1,036E-12
33	33	Shell-Thin	64	STERR	LinStatic	8,91E-13	1,341E-12	-1,159E-12
33	33	Shell-Thin	49	SSOVRdx	LinStatic	-3,21	-2,66	2,69
33	33	Shell-Thin	63	SSOVRdx	LinStatic	-1,74	-2,36	2,42
33	33	Shell-Thin	64	SSOVRdx	LinStatic	-1,87	-3,02	3,01
33	33	Shell-Thin	49	SSOVRsx	LinStatic	3,21	2,66	-2,69
33	33	Shell-Thin	63	SSOVRsx	LinStatic	1,74	2,36	-2,42
33	33	Shell-Thin	64	SSOVRsx	LinStatic	1,87	3,02	-3,01
33	33	Shell-Thin	49	SW2	LinStatic	-192,91	-214,66	224,8
33	33	Shell-Thin	63	SW2	LinStatic	-175,79	-211,23	196,27
33	33	Shell-Thin	64	SW2	LinStatic	-190,05	-282,55	203,12
34	34	Shell-Thin	56	DEAD	LinStatic	-80,35	-81,25	88,17
34	34	Shell-Thin	71	DEAD	LinStatic	-72,78	-79,73	79,6
34	34	Shell-Thin	72	DEAD	LinStatic	-77,07	-101,16	82,63
34	34	Shell-Thin	56	STERR	LinStatic	-1,059E-12	-1,059E-12	1,048E-12
34	34	Shell-Thin	71	STERR	LinStatic	-7,655E-13	-1,001E-12	9,552E-13
34	34	Shell-Thin	72	STERR	LinStatic	-8,12E-13	-1,233E-12	1,073E-12
34	34	Shell-Thin	56	SSOVRdx	LinStatic	3,21	2,66	-2,69
34	34	Shell-Thin	71	SSOVRdx	LinStatic	1,74	2,36	-2,42
34	34	Shell-Thin	72	SSOVRdx	LinStatic	1,87	3,02	-3,01
34	34	Shell-Thin	56	SSOVRsx	LinStatic	-3,21	-2,66	2,69
34	34	Shell-Thin	71	SSOVRsx	LinStatic	-1,74	-2,36	2,42

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
34	34	Shell-Thin	72	SSOVRsx	LinStatic	-1,87	-3,02	3,01
34	34	Shell-Thin	56	SW2	LinStatic	-192,91	-214,66	224,8
34	34	Shell-Thin	71	SW2	LinStatic	-175,79	-211,23	196,27
34	34	Shell-Thin	72	SW2	LinStatic	-190,05	-282,55	203,12
35	35	Shell-Thin	31	DEAD	LinStatic	-86,12	-17,22	70,37
35	35	Shell-Thin	43	DEAD	LinStatic	-53,83	-10,77	71,64
35	35	Shell-Thin	44	DEAD	LinStatic	-55,38	-18,49	129,41
35	35	Shell-Thin	32	DEAD	LinStatic	-87,66	-24,95	128,14
35	35	Shell-Thin	31	STERR	LinStatic	8,775E-13	1,755E-13	-4,277E-13
35	35	Shell-Thin	43	STERR	LinStatic	5,34E-13	1,068E-13	-4,237E-13
35	35	Shell-Thin	44	STERR	LinStatic	5,387E-13	1,302E-13	-7,846E-13
35	35	Shell-Thin	32	STERR	LinStatic	8,822E-13	1,989E-13	-7,886E-13
35	35	Shell-Thin	31	SSOVRdx	LinStatic	-0,69	-0,14	0,02385
35	35	Shell-Thin	43	SSOVRdx	LinStatic	0,88	0,18	-0,19
35	35	Shell-Thin	44	SSOVRdx	LinStatic	1,01	0,84	-0,28
35	35	Shell-Thin	32	SSOVRdx	LinStatic	-0,56	0,52	-0,06464
35	35	Shell-Thin	31	SSOVRsx	LinStatic	0,69	0,14	-0,02385
35	35	Shell-Thin	43	SSOVRsx	LinStatic	-0,88	-0,18	0,19
35	35	Shell-Thin	44	SSOVRsx	LinStatic	-1,01	-0,84	0,28
35	35	Shell-Thin	32	SSOVRsx	LinStatic	0,56	-0,52	0,06464
35	35	Shell-Thin	31	SW2	LinStatic	-214,14	-42,83	130,04
35	35	Shell-Thin	43	SW2	LinStatic	-138,62	-27,72	137,45
35	35	Shell-Thin	44	SW2	LinStatic	-147,35	-71,42	251,33
35	35	Shell-Thin	32	SW2	LinStatic	-222,88	-86,52	243,91
36	36	Shell-Thin	32	DEAD	LinStatic	-84,26	-24,27	102,47
36	36	Shell-Thin	44	DEAD	LinStatic	-51,57	-17,73	102,85
36	36	Shell-Thin	45	DEAD	LinStatic	-54,5	-32,38	88,79
36	36	Shell-Thin	33	DEAD	LinStatic	-87,19	-38,92	88,42
36	36	Shell-Thin	32	STERR	LinStatic	8,893E-13	2,003E-13	-7,094E-13
36	36	Shell-Thin	44	STERR	LinStatic	5,313E-13	1,287E-13	-6,922E-13
36	36	Shell-Thin	45	STERR	LinStatic	5,638E-13	2,91E-13	-6,748E-13
36	36	Shell-Thin	33	STERR	LinStatic	9,217E-13	3,625E-13	-6,921E-13
36	36	Shell-Thin	32	SSOVRdx	LinStatic	-0,96	0,44	0,15
36	36	Shell-Thin	44	SSOVRdx	LinStatic	0,56	0,75	-0,03462
36	36	Shell-Thin	45	SSOVRdx	LinStatic	0,53	0,61	0,19
36	36	Shell-Thin	33	SSOVRdx	LinStatic	-0,99	0,3	0,38
36	36	Shell-Thin	32	SSOVRsx	LinStatic	0,96	-0,44	-0,15
36	36	Shell-Thin	44	SSOVRsx	LinStatic	-0,56	-0,75	0,03462
36	36	Shell-Thin	45	SSOVRsx	LinStatic	-0,53	-0,61	-0,19
36	36	Shell-Thin	33	SSOVRsx	LinStatic	0,99	-0,3	-0,38
36	36	Shell-Thin	32	SW2	LinStatic	-208,22	-83,59	210,3
36	36	Shell-Thin	44	SW2	LinStatic	-123,1	-66,57	213,02
36	36	Shell-Thin	45	SW2	LinStatic	-132,82	-115,15	195,61
36	36	Shell-Thin	33	SW2	LinStatic	-217,94	-132,18	192,9
37	37	Shell-Thin	33	DEAD	LinStatic	-83,07	-38,09	88,95
37	37	Shell-Thin	45	DEAD	LinStatic	-53,04	-32,09	90,14
37	37	Shell-Thin	46	DEAD	LinStatic	-55,09	-42,37	93,27
37	37	Shell-Thin	34	DEAD	LinStatic	-85,12	-48,37	92,08
37	37	Shell-Thin	33	STERR	LinStatic	8,961E-13	3,574E-13	-7,189E-13
37	37	Shell-Thin	45	STERR	LinStatic	5,57E-13	2,896E-13	-7,293E-13
37	37	Shell-Thin	46	STERR	LinStatic	5,818E-13	4,136E-13	-7,68E-13
37	37	Shell-Thin	34	STERR	LinStatic	9,209E-13	4,814E-13	-7,576E-13
37	37	Shell-Thin	33	SSOVRdx	LinStatic	-1,13	0,27	0,44
37	37	Shell-Thin	45	SSOVRdx	LinStatic	0,29	0,56	0,37
37	37	Shell-Thin	46	SSOVRdx	LinStatic	0,25	0,35	0,44
37	37	Shell-Thin	34	SSOVRdx	LinStatic	-1,17	0,06524	0,51
37	37	Shell-Thin	33	SSOVRsx	LinStatic	1,13	-0,27	-0,44
37	37	Shell-Thin	45	SSOVRsx	LinStatic	-0,29	-0,56	-0,37
37	37	Shell-Thin	46	SSOVRsx	LinStatic	-0,25	-0,35	-0,44
37	37	Shell-Thin	34	SSOVRsx	LinStatic	1,17	-0,06524	-0,51
37	37	Shell-Thin	33	SW2	LinStatic	-205,12	-129,61	198,17
37	37	Shell-Thin	45	SW2	LinStatic	-121,13	-112,82	201,2
37	37	Shell-Thin	46	SW2	LinStatic	-127,32	-143,75	211,34
37	37	Shell-Thin	34	SW2	LinStatic	-211,31	-160,55	208,3
38	38	Shell-Thin	34	DEAD	LinStatic	-80,65	-47,48	92,3
38	38	Shell-Thin	46	DEAD	LinStatic	-56,77	-42,7	90,77
38	38	Shell-Thin	47	DEAD	LinStatic	-58,14	-49,55	87,63
38	38	Shell-Thin	35	DEAD	LinStatic	-82,02	-54,33	89,16
38	38	Shell-Thin	34	STERR	LinStatic	8,92E-13	4,756E-13	-7,975E-13
38	38	Shell-Thin	46	STERR	LinStatic	5,975E-13	4,167E-13	-7,591E-13

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
38	38	Shell-Thin	47	STERR	LinStatic	6,126E-13	4,921E-13	-8,103E-13
38	38	Shell-Thin	35	STERR	LinStatic	9,071E-13	5,51E-13	-8,487E-13
38	38	Shell-Thin	34	SSOVRdx	LinStatic	-1,23	0,05309	0,69
38	38	Shell-Thin	46	SSOVRdx	LinStatic	-0,02226	0,3	0,42
38	38	Shell-Thin	47	SSOVRdx	LinStatic	-0,03889	0,21	0,74
38	38	Shell-Thin	35	SSOVRdx	LinStatic	-1,25	-0,03009	1,01
38	38	Shell-Thin	34	SSOVRsx	LinStatic	1,23	-0,05309	-0,69
38	38	Shell-Thin	46	SSOVRsx	LinStatic	0,02226	-0,3	-0,42
38	38	Shell-Thin	47	SSOVRsx	LinStatic	0,03889	-0,21	-0,74
38	38	Shell-Thin	35	SSOVRsx	LinStatic	1,25	0,03009	-1,01
38	38	Shell-Thin	34	SW2	LinStatic	-199,78	-158,24	212,64
38	38	Shell-Thin	46	SW2	LinStatic	-128,58	-144,01	208,99
38	38	Shell-Thin	47	SW2	LinStatic	-132,18	-161,99	207,8
38	38	Shell-Thin	35	SW2	LinStatic	-203,37	-176,23	211,46
39	39	Shell-Thin	35	DEAD	LinStatic	-92,35	-56,39	86,21
39	39	Shell-Thin	47	DEAD	LinStatic	-52,02	-48,33	87,05
39	39	Shell-Thin	48	DEAD	LinStatic	-58,95	-82,98	84,35
39	39	Shell-Thin	36	DEAD	LinStatic	-99,28	-91,04	83,5
39	39	Shell-Thin	35	STERR	LinStatic	1,034E-12	5,764E-13	-8,603E-13
39	39	Shell-Thin	47	STERR	LinStatic	5,593E-13	4,814E-13	-8,623E-13
39	39	Shell-Thin	48	STERR	LinStatic	6,653E-13	1,011E-12	-8,669E-13
39	39	Shell-Thin	36	STERR	LinStatic	1,14E-12	1,106E-12	-8,649E-13
39	39	Shell-Thin	35	SSOVRdx	LinStatic	-1,78	-0,14	1,08
39	39	Shell-Thin	47	SSOVRdx	LinStatic	-0,26	0,17	1,02
39	39	Shell-Thin	48	SSOVRdx	LinStatic	-0,62	-1,64	1,11
39	39	Shell-Thin	36	SSOVRdx	LinStatic	-2,14	-1,94	1,16
39	39	Shell-Thin	35	SSOVRsx	LinStatic	1,78	0,14	-1,08
39	39	Shell-Thin	47	SSOVRsx	LinStatic	0,26	-0,17	-1,02
39	39	Shell-Thin	48	SSOVRsx	LinStatic	0,62	1,64	-1,11
39	39	Shell-Thin	36	SSOVRsx	LinStatic	2,14	1,94	-1,16
39	39	Shell-Thin	35	SW2	LinStatic	-241,47	-183,85	211,15
39	39	Shell-Thin	47	SW2	LinStatic	-113,06	-158,16	209,86
39	39	Shell-Thin	48	SW2	LinStatic	-127,96	-232,67	205,83
39	39	Shell-Thin	36	SW2	LinStatic	-256,38	-258,36	207,12
40	40	Shell-Thin	37	DEAD	LinStatic	-86,12	-17,22	70,37
40	40	Shell-Thin	50	DEAD	LinStatic	-53,83	-10,77	71,64
40	40	Shell-Thin	51	DEAD	LinStatic	-55,38	-18,49	129,41
40	40	Shell-Thin	38	DEAD	LinStatic	-87,66	-24,95	128,14
40	40	Shell-Thin	37	STERR	LinStatic	-8,014E-13	-1,603E-13	3,896E-13
40	40	Shell-Thin	50	STERR	LinStatic	-4,768E-13	-9,537E-14	3,853E-13
40	40	Shell-Thin	51	STERR	LinStatic	-4,805E-13	-1,138E-13	7,134E-13
40	40	Shell-Thin	38	STERR	LinStatic	-8,051E-13	-1,787E-13	7,176E-13
40	40	Shell-Thin	37	SSOVRdx	LinStatic	0,69	0,14	-0,02385
40	40	Shell-Thin	50	SSOVRdx	LinStatic	-0,88	-0,18	0,19
40	40	Shell-Thin	51	SSOVRdx	LinStatic	-1,01	-0,84	0,28
40	40	Shell-Thin	38	SSOVRdx	LinStatic	0,56	-0,52	0,06464
40	40	Shell-Thin	37	SSOVRsx	LinStatic	-0,69	-0,14	0,02385
40	40	Shell-Thin	50	SSOVRsx	LinStatic	0,88	0,18	-0,19
40	40	Shell-Thin	51	SSOVRsx	LinStatic	1,01	0,84	-0,28
40	40	Shell-Thin	38	SSOVRsx	LinStatic	-0,56	0,52	-0,06464
40	40	Shell-Thin	37	SW2	LinStatic	-214,14	-42,83	130,04
40	40	Shell-Thin	50	SW2	LinStatic	-138,62	-27,72	137,45
40	40	Shell-Thin	51	SW2	LinStatic	-147,35	-71,42	251,33
40	40	Shell-Thin	38	SW2	LinStatic	-222,88	-86,52	243,91
41	41	Shell-Thin	38	DEAD	LinStatic	-84,26	-24,27	102,47
41	41	Shell-Thin	51	DEAD	LinStatic	-51,57	-17,73	102,85
41	41	Shell-Thin	52	DEAD	LinStatic	-54,5	-32,38	88,79
41	41	Shell-Thin	39	DEAD	LinStatic	-87,19	-38,92	88,42
41	41	Shell-Thin	38	STERR	LinStatic	-8,14E-13	-1,805E-13	6,47E-13
41	41	Shell-Thin	51	STERR	LinStatic	-4,757E-13	-1,129E-13	6,296E-13
41	41	Shell-Thin	52	STERR	LinStatic	-5,055E-13	-2,619E-13	6,153E-13
41	41	Shell-Thin	39	STERR	LinStatic	-8,438E-13	-3,295E-13	6,327E-13
41	41	Shell-Thin	38	SSOVRdx	LinStatic	0,96	-0,44	-0,15
41	41	Shell-Thin	51	SSOVRdx	LinStatic	-0,56	-0,75	0,03462
41	41	Shell-Thin	52	SSOVRdx	LinStatic	-0,53	-0,61	-0,19
41	41	Shell-Thin	39	SSOVRdx	LinStatic	0,99	-0,3	-0,38
41	41	Shell-Thin	38	SSOVRsx	LinStatic	-0,96	0,44	0,15
41	41	Shell-Thin	51	SSOVRsx	LinStatic	0,56	0,75	-0,03462
41	41	Shell-Thin	52	SSOVRsx	LinStatic	0,53	0,61	0,19
41	41	Shell-Thin	39	SSOVRsx	LinStatic	-0,99	0,3	0,38

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
41	41	Shell-Thin	38	SW2	LinStatic	-208,22	-83,59	210,3
41	41	Shell-Thin	51	SW2	LinStatic	-123,1	-66,57	213,02
41	41	Shell-Thin	52	SW2	LinStatic	-132,82	-115,15	195,61
41	41	Shell-Thin	39	SW2	LinStatic	-217,94	-132,18	192,9
42	42	Shell-Thin	39	DEAD	LinStatic	-83,07	-38,09	88,95
42	42	Shell-Thin	52	DEAD	LinStatic	-53,04	-32,09	90,14
42	42	Shell-Thin	53	DEAD	LinStatic	-55,09	-42,37	93,27
42	42	Shell-Thin	40	DEAD	LinStatic	-85,12	-48,37	92,08
42	42	Shell-Thin	39	STERR	LinStatic	-8,214E-13	-3,25E-13	6,573E-13
42	42	Shell-Thin	52	STERR	LinStatic	-5,013E-13	-2,61E-13	6,664E-13
42	42	Shell-Thin	53	STERR	LinStatic	-5,24E-13	-3,749E-13	7,008E-13
42	42	Shell-Thin	40	STERR	LinStatic	-8,442E-13	-4,389E-13	6,917E-13
42	42	Shell-Thin	39	SSOVRdx	LinStatic	1,13	-0,27	-0,44
42	42	Shell-Thin	52	SSOVRdx	LinStatic	-0,29	-0,56	-0,37
42	42	Shell-Thin	53	SSOVRdx	LinStatic	-0,25	-0,35	-0,44
42	42	Shell-Thin	40	SSOVRdx	LinStatic	1,17	-0,06524	-0,51
42	42	Shell-Thin	39	SSOVRsx	LinStatic	-1,13	0,27	0,44
42	42	Shell-Thin	52	SSOVRsx	LinStatic	0,29	0,56	0,37
42	42	Shell-Thin	53	SSOVRsx	LinStatic	0,25	0,35	0,44
42	42	Shell-Thin	40	SSOVRsx	LinStatic	-1,17	0,06524	0,51
42	42	Shell-Thin	39	SW2	LinStatic	-205,12	-129,61	198,17
42	42	Shell-Thin	52	SW2	LinStatic	-121,13	-112,82	201,2
42	42	Shell-Thin	53	SW2	LinStatic	-127,32	-143,75	211,34
42	42	Shell-Thin	40	SW2	LinStatic	-211,31	-160,55	208,3
43	43	Shell-Thin	40	DEAD	LinStatic	-80,65	-47,48	92,3
43	43	Shell-Thin	53	DEAD	LinStatic	-56,77	-42,7	90,77
43	43	Shell-Thin	54	DEAD	LinStatic	-58,14	-49,55	87,63
43	43	Shell-Thin	41	DEAD	LinStatic	-82,02	-54,33	89,16
43	43	Shell-Thin	40	STERR	LinStatic	-8,188E-13	-4,338E-13	7,289E-13
43	43	Shell-Thin	53	STERR	LinStatic	-5,398E-13	-3,78E-13	6,92E-13
43	43	Shell-Thin	54	STERR	LinStatic	-5,535E-13	-4,463E-13	7,418E-13
43	43	Shell-Thin	41	STERR	LinStatic	-8,325E-13	-5,021E-13	7,788E-13
43	43	Shell-Thin	40	SSOVRdx	LinStatic	1,23	-0,05309	-0,69
43	43	Shell-Thin	53	SSOVRdx	LinStatic	0,02226	-0,3	-0,42
43	43	Shell-Thin	54	SSOVRdx	LinStatic	0,03889	-0,21	-0,74
43	43	Shell-Thin	41	SSOVRdx	LinStatic	1,25	0,03009	-1,01
43	43	Shell-Thin	40	SSOVRsx	LinStatic	-1,23	0,05309	0,69
43	43	Shell-Thin	53	SSOVRsx	LinStatic	-0,02226	0,3	0,42
43	43	Shell-Thin	54	SSOVRsx	LinStatic	-0,03889	0,21	0,74
43	43	Shell-Thin	41	SSOVRsx	LinStatic	-1,25	-0,03009	1,01
43	43	Shell-Thin	40	SW2	LinStatic	-199,78	-158,24	212,64
43	43	Shell-Thin	53	SW2	LinStatic	-128,58	-144,01	208,99
43	43	Shell-Thin	54	SW2	LinStatic	-132,18	-161,99	207,8
43	43	Shell-Thin	41	SW2	LinStatic	-203,37	-176,23	211,46
44	44	Shell-Thin	41	DEAD	LinStatic	-92,35	-56,39	86,21
44	44	Shell-Thin	54	DEAD	LinStatic	-52,02	-48,33	87,05
44	44	Shell-Thin	55	DEAD	LinStatic	-58,95	-82,98	84,35
44	44	Shell-Thin	42	DEAD	LinStatic	-99,28	-91,04	83,5
44	44	Shell-Thin	41	STERR	LinStatic	-9,523E-13	-5,261E-13	7,9E-13
44	44	Shell-Thin	54	STERR	LinStatic	-5,086E-13	-4,373E-13	7,906E-13
44	44	Shell-Thin	55	STERR	LinStatic	-6,072E-13	-9,304E-13	7,942E-13
44	44	Shell-Thin	42	STERR	LinStatic	-1,051E-12	-1,019E-12	7,936E-13
44	44	Shell-Thin	41	SSOVRdx	LinStatic	1,78	0,14	-1,08
44	44	Shell-Thin	54	SSOVRdx	LinStatic	0,26	-0,17	-1,02
44	44	Shell-Thin	55	SSOVRdx	LinStatic	0,62	1,64	-1,11
44	44	Shell-Thin	42	SSOVRdx	LinStatic	2,14	1,94	-1,16
44	44	Shell-Thin	41	SSOVRsx	LinStatic	-1,78	-0,14	1,08
44	44	Shell-Thin	54	SSOVRsx	LinStatic	-0,26	0,17	1,02
44	44	Shell-Thin	55	SSOVRsx	LinStatic	-0,62	-1,64	1,11
44	44	Shell-Thin	42	SSOVRsx	LinStatic	-2,14	-1,94	1,16
44	44	Shell-Thin	41	SW2	LinStatic	-241,47	-183,85	211,15
44	44	Shell-Thin	54	SW2	LinStatic	-113,06	-158,16	209,86
44	44	Shell-Thin	55	SW2	LinStatic	-127,96	-232,67	205,83
44	44	Shell-Thin	42	SW2	LinStatic	-256,38	-258,36	207,12
45	45	Shell-Thin	64	DEAD	LinStatic	-59,52	-65,96	75,34
45	45	Shell-Thin	80	DEAD	LinStatic	-63,19	-66,69	70,17
45	45	Shell-Thin	81	DEAD	LinStatic	-65,77	-79,6	68,71
45	45	Shell-Thin	64	STERR	LinStatic	7,233E-13	9,315E-13	-9,081E-13
45	45	Shell-Thin	80	STERR	LinStatic	6,9E-13	9,248E-13	-8,75E-13
45	45	Shell-Thin	81	STERR	LinStatic	7,066E-13	1,008E-12	-8,883E-13

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
45	45	Shell-Thin	64	SSOVRdx	LinStatic	-2,96	-2,3	2,42
45	45	Shell-Thin	80	SSOVRdx	LinStatic	-1,93	-2,1	2,18
45	45	Shell-Thin	81	SSOVRdx	LinStatic	-2,05	-2,69	2,59
45	45	Shell-Thin	64	SSOVRsx	LinStatic	2,96	2,3	-2,42
45	45	Shell-Thin	80	SSOVRsx	LinStatic	1,93	2,1	-2,18
45	45	Shell-Thin	81	SSOVRsx	LinStatic	2,05	2,69	-2,59
45	45	Shell-Thin	64	SW2	LinStatic	-95,59	-160,37	176,81
45	45	Shell-Thin	80	SW2	LinStatic	-133,97	-168,05	164,18
45	45	Shell-Thin	81	SW2	LinStatic	-140,29	-199,63	148,82
46	46	Shell-Thin	72	DEAD	LinStatic	-59,52	-65,96	75,34
46	46	Shell-Thin	89	DEAD	LinStatic	-63,19	-66,69	70,17
46	46	Shell-Thin	90	DEAD	LinStatic	-65,77	-79,6	68,71
46	46	Shell-Thin	72	STERR	LinStatic	-6,862E-13	-8,628E-13	8,31E-13
46	46	Shell-Thin	89	STERR	LinStatic	-6,342E-13	-8,524E-13	8,053E-13
46	46	Shell-Thin	90	STERR	LinStatic	-6,471E-13	-9,167E-13	8,261E-13
46	46	Shell-Thin	72	SSOVRdx	LinStatic	2,96	2,3	-2,42
46	46	Shell-Thin	89	SSOVRdx	LinStatic	1,93	2,1	-2,18
46	46	Shell-Thin	90	SSOVRdx	LinStatic	2,05	2,69	-2,59
46	46	Shell-Thin	72	SSOVRsx	LinStatic	-2,96	-2,3	2,42
46	46	Shell-Thin	89	SSOVRsx	LinStatic	-1,93	-2,1	2,18
46	46	Shell-Thin	90	SSOVRsx	LinStatic	-2,05	-2,69	2,59
46	46	Shell-Thin	72	SW2	LinStatic	-95,59	-160,37	176,81
46	46	Shell-Thin	89	SW2	LinStatic	-133,97	-168,05	164,18
46	46	Shell-Thin	90	SW2	LinStatic	-140,29	-199,63	148,82
47	47	Shell-Thin	81	DEAD	LinStatic	-29,21	-48,27	45,36
47	47	Shell-Thin	99	DEAD	LinStatic	-25,8	-47,59	43,86
47	47	Shell-Thin	100	DEAD	LinStatic	-26,55	-51,34	45,22
47	47	Shell-Thin	81	STERR	LinStatic	1,932E-14	6,897E-13	-3,615E-13
47	47	Shell-Thin	99	STERR	LinStatic	4,54E-14	6,949E-13	-3,939E-13
47	47	Shell-Thin	100	STERR	LinStatic	2,924E-14	6,141E-13	-3,834E-13
47	47	Shell-Thin	81	SSOVRdx	LinStatic	-1,29	-1,45	1,52
47	47	Shell-Thin	99	SSOVRdx	LinStatic	0,06482	-1,18	1,3
47	47	Shell-Thin	100	SSOVRdx	LinStatic	-0,04546	-1,74	1,84
47	47	Shell-Thin	81	SSOVRsx	LinStatic	1,29	1,45	-1,52
47	47	Shell-Thin	99	SSOVRsx	LinStatic	-0,06482	1,18	-1,3
47	47	Shell-Thin	100	SSOVRsx	LinStatic	0,04546	1,74	-1,84
47	47	Shell-Thin	81	SW2	LinStatic	23,36	-123,3	63,86
47	47	Shell-Thin	99	SW2	LinStatic	-18,2	-131,61	69,29
47	47	Shell-Thin	100	SW2	LinStatic	-15,48	-118,03	52,67
48	48	Shell-Thin	90	DEAD	LinStatic	-29,21	-48,27	45,36
48	48	Shell-Thin	109	DEAD	LinStatic	-25,8	-47,59	43,86
48	48	Shell-Thin	110	DEAD	LinStatic	-26,55	-51,34	45,22
48	48	Shell-Thin	90	STERR	LinStatic	-3,553E-14	-6,359E-13	3,383E-13
48	48	Shell-Thin	109	STERR	LinStatic	-3,895E-14	-6,365E-13	3,67E-13
48	48	Shell-Thin	110	STERR	LinStatic	-2,455E-14	-5,646E-13	3,657E-13
48	48	Shell-Thin	90	SSOVRdx	LinStatic	1,29	1,45	-1,52
48	48	Shell-Thin	109	SSOVRdx	LinStatic	-0,06482	1,18	-1,3
48	48	Shell-Thin	110	SSOVRdx	LinStatic	0,04546	1,74	-1,84
48	48	Shell-Thin	90	SSOVRsx	LinStatic	-1,29	-1,45	1,52
48	48	Shell-Thin	109	SSOVRsx	LinStatic	0,06482	-1,18	1,3
48	48	Shell-Thin	110	SSOVRsx	LinStatic	-0,04546	-1,74	1,84
48	48	Shell-Thin	90	SW2	LinStatic	23,36	-123,3	63,86
48	48	Shell-Thin	109	SW2	LinStatic	-18,2	-131,61	69,29
48	48	Shell-Thin	110	SW2	LinStatic	-15,48	-118,03	52,67
49	49	Shell-Thin	43	DEAD	LinStatic	-53,83	-10,77	71,64
49	49	Shell-Thin	57	DEAD	LinStatic	-36,38	-7,28	74,27
49	49	Shell-Thin	58	DEAD	LinStatic	-37,7	-13,85	127,4
49	49	Shell-Thin	44	DEAD	LinStatic	-55,15	-17,34	124,77
49	49	Shell-Thin	43	STERR	LinStatic	5,34E-13	1,068E-13	-4,237E-13
49	49	Shell-Thin	57	STERR	LinStatic	3,344E-13	6,687E-14	-4,033E-13
49	49	Shell-Thin	58	STERR	LinStatic	3,402E-13	9,611E-14	-7,361E-13
49	49	Shell-Thin	44	STERR	LinStatic	5,399E-13	1,36E-13	-7,565E-13
49	49	Shell-Thin	43	SSOVRdx	LinStatic	0,88	0,18	-0,19
49	49	Shell-Thin	57	SSOVRdx	LinStatic	1,75	0,35	-0,49
49	49	Shell-Thin	58	SSOVRdx	LinStatic	1,89	1,04	-0,71
49	49	Shell-Thin	44	SSOVRdx	LinStatic	1,02	0,86	-0,41
49	49	Shell-Thin	43	SSOVRsx	LinStatic	-0,88	-0,18	0,19
49	49	Shell-Thin	57	SSOVRsx	LinStatic	-1,75	-0,35	0,49
49	49	Shell-Thin	58	SSOVRsx	LinStatic	-1,89	-1,04	0,71
49	49	Shell-Thin	44	SSOVRsx	LinStatic	-1,02	-0,86	0,41

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
49	49	Shell-Thin	43	SW2	LinStatic	-138,62	-27,72	137,45
49	49	Shell-Thin	57	SW2	LinStatic	-98,05	-19,61	148,31
49	49	Shell-Thin	58	SW2	LinStatic	-109,11	-74,87	259,22
49	49	Shell-Thin	44	SW2	LinStatic	-149,67	-82,98	248,36
50	50	Shell-Thin	44	DEAD	LinStatic	-51,34	-16,58	98,2
50	50	Shell-Thin	58	DEAD	LinStatic	-35,81	-13,47	99,78
50	50	Shell-Thin	59	DEAD	LinStatic	-38,12	-24,98	93,6
50	50	Shell-Thin	45	DEAD	LinStatic	-53,64	-28,09	92,02
50	50	Shell-Thin	44	STERR	LinStatic	5,325E-13	1,346E-13	-6,642E-13
50	50	Shell-Thin	58	STERR	LinStatic	3,461E-13	9,728E-14	-6,857E-13
50	50	Shell-Thin	59	STERR	LinStatic	3,724E-13	2,287E-13	-6,928E-13
50	50	Shell-Thin	45	STERR	LinStatic	5,588E-13	2,66E-13	-6,712E-13
50	50	Shell-Thin	44	SSOVRdx	LinStatic	0,57	0,77	-0,16
50	50	Shell-Thin	58	SSOVRdx	LinStatic	1,45	0,95	-0,25
50	50	Shell-Thin	59	SSOVRdx	LinStatic	1,44	0,92	-0,12
50	50	Shell-Thin	45	SSOVRdx	LinStatic	0,56	0,75	-0,02564
50	50	Shell-Thin	44	SSOVRsx	LinStatic	-0,57	-0,77	0,16
50	50	Shell-Thin	58	SSOVRsx	LinStatic	-1,45	-0,95	0,25
50	50	Shell-Thin	59	SSOVRsx	LinStatic	-1,44	-0,92	0,12
50	50	Shell-Thin	45	SSOVRsx	LinStatic	-0,56	-0,75	0,02564
50	50	Shell-Thin	44	SW2	LinStatic	-125,41	-78,13	210,05
50	50	Shell-Thin	58	SW2	LinStatic	-85,34	-70,12	216,36
50	50	Shell-Thin	59	SW2	LinStatic	-94,84	-117,62	211,65
50	50	Shell-Thin	45	SW2	LinStatic	-134,91	-125,63	205,35
51	51	Shell-Thin	45	DEAD	LinStatic	-52,18	-27,8	93,37
51	51	Shell-Thin	59	DEAD	LinStatic	-36,68	-24,7	91,68
51	51	Shell-Thin	60	DEAD	LinStatic	-38,31	-32,85	87,67
51	51	Shell-Thin	46	DEAD	LinStatic	-53,81	-35,95	89,36
51	51	Shell-Thin	45	STERR	LinStatic	5,52E-13	2,646E-13	-7,257E-13
51	51	Shell-Thin	59	STERR	LinStatic	3,568E-13	2,256E-13	-6,85E-13
51	51	Shell-Thin	60	STERR	LinStatic	3,775E-13	3,292E-13	-7,109E-13
51	51	Shell-Thin	46	STERR	LinStatic	5,727E-13	3,683E-13	-7,516E-13
51	51	Shell-Thin	45	SSOVRdx	LinStatic	0,32	0,7	0,15
51	51	Shell-Thin	59	SSOVRdx	LinStatic	1,17	0,87	-0,16
51	51	Shell-Thin	60	SSOVRdx	LinStatic	1,15	0,75	-0,02956
51	51	Shell-Thin	46	SSOVRdx	LinStatic	0,29	0,57	0,29
51	51	Shell-Thin	45	SSOVRsx	LinStatic	-0,32	-0,7	-0,15
51	51	Shell-Thin	59	SSOVRsx	LinStatic	-1,17	-0,87	0,16
51	51	Shell-Thin	60	SSOVRsx	LinStatic	-1,15	-0,75	0,02956
51	51	Shell-Thin	46	SSOVRsx	LinStatic	-0,29	-0,57	-0,29
51	51	Shell-Thin	45	SW2	LinStatic	-123,23	-123,29	210,94
51	51	Shell-Thin	59	SW2	LinStatic	-80,28	-114,7	212,37
51	51	Shell-Thin	60	SW2	LinStatic	-85,77	-142,14	205,7
51	51	Shell-Thin	46	SW2	LinStatic	-128,72	-150,73	204,28
52	52	Shell-Thin	46	DEAD	LinStatic	-55,49	-36,29	86,85
52	52	Shell-Thin	60	DEAD	LinStatic	-34,65	-32,12	85,81
52	52	Shell-Thin	61	DEAD	LinStatic	-37,31	-45,44	84,28
52	52	Shell-Thin	47	DEAD	LinStatic	-58,15	-49,61	85,32
52	52	Shell-Thin	46	STERR	LinStatic	5,885E-13	3,714E-13	-7,426E-13
52	52	Shell-Thin	60	STERR	LinStatic	3,662E-13	3,27E-13	-7,274E-13
52	52	Shell-Thin	61	STERR	LinStatic	4,061E-13	5,264E-13	-7,346E-13
52	52	Shell-Thin	47	STERR	LinStatic	6,284E-13	5,709E-13	-7,499E-13
52	52	Shell-Thin	46	SSOVRdx	LinStatic	0,02295	0,52	0,27
52	52	Shell-Thin	60	SSOVRdx	LinStatic	0,92	0,7	0,07568
52	52	Shell-Thin	61	SSOVRdx	LinStatic	0,82	0,2	0,13
52	52	Shell-Thin	47	SSOVRdx	LinStatic	-0,07738	0,01959	0,32
52	52	Shell-Thin	46	SSOVRsx	LinStatic	-0,02295	-0,52	-0,27
52	52	Shell-Thin	60	SSOVRsx	LinStatic	-0,92	-0,7	-0,07568
52	52	Shell-Thin	61	SSOVRsx	LinStatic	-0,82	-0,2	-0,13
52	52	Shell-Thin	47	SSOVRsx	LinStatic	0,07738	-0,01959	-0,32
52	52	Shell-Thin	46	SW2	LinStatic	-129,98	-150,98	201,92
52	52	Shell-Thin	60	SW2	LinStatic	-70,14	-139,01	198,83
52	52	Shell-Thin	61	SW2	LinStatic	-77,87	-177,7	199,86
52	52	Shell-Thin	47	SW2	LinStatic	-137,71	-189,66	202,95
53	53	Shell-Thin	47	DEAD	LinStatic	-52,04	-48,39	84,74
53	53	Shell-Thin	61	DEAD	LinStatic	-41,57	-46,29	82,98
53	53	Shell-Thin	62	DEAD	LinStatic	-44,71	-61,99	81,69
53	53	Shell-Thin	48	DEAD	LinStatic	-55,17	-64,08	83,45
53	53	Shell-Thin	47	STERR	LinStatic	5,75E-13	5,602E-13	-8,019E-13
53	53	Shell-Thin	61	STERR	LinStatic	4,002E-13	5,252E-13	-7,799E-13

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
53	53	Shell-Thin	62	STERR	LinStatic	4,453E-13	7,508E-13	-8,514E-13
53	53	Shell-Thin	48	STERR	LinStatic	6,202E-13	7,858E-13	-8,735E-13
53	53	Shell-Thin	47	SSOVRdx	LinStatic	-0,3	-0,02399	0,6
53	53	Shell-Thin	61	SSOVRdx	LinStatic	0,39	0,11	0,32
53	53	Shell-Thin	62	SSOVRdx	LinStatic	0,31	-0,27	0,77
53	53	Shell-Thin	48	SSOVRdx	LinStatic	-0,37	-0,41	1,05
53	53	Shell-Thin	47	SSOVRsx	LinStatic	0,3	0,02399	-0,6
53	53	Shell-Thin	61	SSOVRsx	LinStatic	-0,39	-0,11	-0,32
53	53	Shell-Thin	62	SSOVRsx	LinStatic	-0,31	0,27	-0,77
53	53	Shell-Thin	48	SSOVRsx	LinStatic	0,37	0,41	-1,05
53	53	Shell-Thin	47	SW2	LinStatic	-118,6	-185,84	205,01
53	53	Shell-Thin	61	SW2	LinStatic	-86,8	-179,48	202,75
53	53	Shell-Thin	62	SW2	LinStatic	-93,66	-213,77	200,27
53	53	Shell-Thin	48	SW2	LinStatic	-125,45	-220,13	202,53
54	54	Shell-Thin	48	DEAD	LinStatic	-77,17	-68,48	81,6
54	54	Shell-Thin	62	DEAD	LinStatic	-53,61	-63,77	76,2
54	54	Shell-Thin	63	DEAD	LinStatic	-57,56	-83,55	72,04
54	54	Shell-Thin	49	DEAD	LinStatic	-81,13	-88,26	77,45
54	54	Shell-Thin	48	STERR	LinStatic	9,198E-13	8,457E-13	-9,461E-13
54	54	Shell-Thin	62	STERR	LinStatic	6,072E-13	7,832E-13	-8,375E-13
54	54	Shell-Thin	63	STERR	LinStatic	6,768E-13	1,131E-12	-7,98E-13
54	54	Shell-Thin	49	STERR	LinStatic	9,894E-13	1,194E-12	-9,066E-13
54	54	Shell-Thin	48	SSOVRdx	LinStatic	-1,54	-0,64	1,49
54	54	Shell-Thin	62	SSOVRdx	LinStatic	-0,89	-0,51	1,12
54	54	Shell-Thin	63	SSOVRdx	LinStatic	-1,28	-2,48	1,2
54	54	Shell-Thin	49	SSOVRdx	LinStatic	-1,94	-2,61	1,56
54	54	Shell-Thin	48	SSOVRsx	LinStatic	1,54	0,64	-1,49
54	54	Shell-Thin	62	SSOVRsx	LinStatic	0,89	0,51	-1,12
54	54	Shell-Thin	63	SSOVRsx	LinStatic	1,28	2,48	-1,2
54	54	Shell-Thin	49	SSOVRsx	LinStatic	1,94	2,61	-1,56
54	54	Shell-Thin	48	SW2	LinStatic	-199,94	-235,02	204,79
54	54	Shell-Thin	62	SW2	LinStatic	-117,09	-218,45	185,9
54	54	Shell-Thin	63	SW2	LinStatic	-117,89	-222,47	175,7
54	54	Shell-Thin	49	SW2	LinStatic	-200,75	-239,04	194,58
55	55	Shell-Thin	50	DEAD	LinStatic	-53,83	-10,77	71,64
55	55	Shell-Thin	65	DEAD	LinStatic	-36,38	-7,28	74,27
55	55	Shell-Thin	66	DEAD	LinStatic	-37,7	-13,85	127,4
55	55	Shell-Thin	51	DEAD	LinStatic	-55,15	-17,34	124,77
55	55	Shell-Thin	50	STERR	LinStatic	-4,768E-13	-9,537E-14	3,853E-13
55	55	Shell-Thin	65	STERR	LinStatic	-2,886E-13	-5,773E-14	3,643E-13
55	55	Shell-Thin	66	STERR	LinStatic	-2,936E-13	-8,258E-14	6,666E-13
55	55	Shell-Thin	51	STERR	LinStatic	-4,818E-13	-1,202E-13	6,877E-13
55	55	Shell-Thin	50	SSOVRdx	LinStatic	-0,88	-0,18	0,19
55	55	Shell-Thin	65	SSOVRdx	LinStatic	-1,75	-0,35	0,49
55	55	Shell-Thin	66	SSOVRdx	LinStatic	-1,89	-1,04	0,71
55	55	Shell-Thin	51	SSOVRdx	LinStatic	-1,02	-0,86	0,41
55	55	Shell-Thin	50	SSOVRsx	LinStatic	0,88	0,18	-0,19
55	55	Shell-Thin	65	SSOVRsx	LinStatic	1,75	0,35	-0,49
55	55	Shell-Thin	66	SSOVRsx	LinStatic	1,89	1,04	-0,71
55	55	Shell-Thin	51	SSOVRsx	LinStatic	1,02	0,86	-0,41
55	55	Shell-Thin	50	SW2	LinStatic	-138,62	-27,72	137,45
55	55	Shell-Thin	65	SW2	LinStatic	-98,05	-19,61	148,31
55	55	Shell-Thin	66	SW2	LinStatic	-109,11	-74,87	259,22
55	55	Shell-Thin	51	SW2	LinStatic	-149,67	-82,98	248,36
56	56	Shell-Thin	51	DEAD	LinStatic	-51,34	-16,58	98,2
56	56	Shell-Thin	66	DEAD	LinStatic	-35,81	-13,47	99,78
56	56	Shell-Thin	67	DEAD	LinStatic	-38,12	-24,98	93,6
56	56	Shell-Thin	52	DEAD	LinStatic	-53,64	-28,09	92,02
56	56	Shell-Thin	51	STERR	LinStatic	-4,77E-13	-1,193E-13	6,039E-13
56	56	Shell-Thin	66	STERR	LinStatic	-3,009E-13	-8,405E-14	6,241E-13
56	56	Shell-Thin	67	STERR	LinStatic	-3,249E-13	-2,041E-13	6,298E-13
56	56	Shell-Thin	52	STERR	LinStatic	-5,01E-13	-2,393E-13	6,096E-13
56	56	Shell-Thin	51	SSOVRdx	LinStatic	-0,57	-0,77	0,16
56	56	Shell-Thin	66	SSOVRdx	LinStatic	-1,45	-0,95	0,25
56	56	Shell-Thin	67	SSOVRdx	LinStatic	-1,44	-0,92	0,12
56	56	Shell-Thin	52	SSOVRdx	LinStatic	-0,56	-0,75	0,02564
56	56	Shell-Thin	51	SSOVRsx	LinStatic	0,57	0,77	-0,16
56	56	Shell-Thin	66	SSOVRsx	LinStatic	1,45	0,95	-0,25
56	56	Shell-Thin	67	SSOVRsx	LinStatic	1,44	0,92	-0,12
56	56	Shell-Thin	52	SSOVRsx	LinStatic	0,56	0,75	-0,02564

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
56	56	Shell-Thin	51	SW2	LinStatic	-125,41	-78,13	210,05
56	56	Shell-Thin	66	SW2	LinStatic	-85,34	-70,12	216,36
56	56	Shell-Thin	67	SW2	LinStatic	-94,84	-117,62	211,65
56	56	Shell-Thin	52	SW2	LinStatic	-134,91	-125,63	205,35
57	57	Shell-Thin	52	DEAD	LinStatic	-52,18	-27,8	93,37
57	57	Shell-Thin	67	DEAD	LinStatic	-36,68	-24,7	91,68
57	57	Shell-Thin	68	DEAD	LinStatic	-38,31	-32,85	87,67
57	57	Shell-Thin	53	DEAD	LinStatic	-53,81	-35,95	89,36
57	57	Shell-Thin	52	STERR	LinStatic	-4,967E-13	-2,385E-13	6,607E-13
57	57	Shell-Thin	67	STERR	LinStatic	-3,119E-13	-2,015E-13	6,201E-13
57	57	Shell-Thin	68	STERR	LinStatic	-3,309E-13	-2,965E-13	6,461E-13
57	57	Shell-Thin	53	STERR	LinStatic	-5,158E-13	-3,335E-13	6,866E-13
57	57	Shell-Thin	52	SSOVRdx	LinStatic	-0,32	-0,7	-0,15
57	57	Shell-Thin	67	SSOVRdx	LinStatic	-1,17	-0,87	0,16
57	57	Shell-Thin	68	SSOVRdx	LinStatic	-1,15	-0,75	0,02956
57	57	Shell-Thin	53	SSOVRdx	LinStatic	-0,29	-0,57	-0,29
57	57	Shell-Thin	52	SSOVRsx	LinStatic	0,32	0,7	0,15
57	57	Shell-Thin	67	SSOVRsx	LinStatic	1,17	0,87	-0,16
57	57	Shell-Thin	68	SSOVRsx	LinStatic	1,15	0,75	-0,02956
57	57	Shell-Thin	53	SSOVRsx	LinStatic	0,29	0,57	0,29
57	57	Shell-Thin	52	SW2	LinStatic	-123,23	-123,29	210,94
57	57	Shell-Thin	67	SW2	LinStatic	-80,28	-114,7	212,37
57	57	Shell-Thin	68	SW2	LinStatic	-85,77	-142,14	205,7
57	57	Shell-Thin	53	SW2	LinStatic	-128,72	-150,73	204,28
58	58	Shell-Thin	53	DEAD	LinStatic	-55,49	-36,29	86,85
58	58	Shell-Thin	68	DEAD	LinStatic	-34,65	-32,12	85,81
58	58	Shell-Thin	69	DEAD	LinStatic	-37,31	-45,44	84,28
58	58	Shell-Thin	54	DEAD	LinStatic	-58,15	-49,61	85,32
58	58	Shell-Thin	53	STERR	LinStatic	-5,316E-13	-3,366E-13	6,777E-13
58	58	Shell-Thin	68	STERR	LinStatic	-3,242E-13	-2,952E-13	6,63E-13
58	58	Shell-Thin	69	STERR	LinStatic	-3,609E-13	-4,791E-13	6,667E-13
58	58	Shell-Thin	54	STERR	LinStatic	-5,684E-13	-5,206E-13	6,814E-13
58	58	Shell-Thin	53	SSOVRdx	LinStatic	-0,02295	-0,52	-0,27
58	58	Shell-Thin	68	SSOVRdx	LinStatic	-0,92	-0,7	-0,07568
58	58	Shell-Thin	69	SSOVRdx	LinStatic	-0,82	-0,2	-0,13
58	58	Shell-Thin	54	SSOVRdx	LinStatic	0,07738	-0,01959	-0,32
58	58	Shell-Thin	53	SSOVRsx	LinStatic	0,02295	0,52	0,27
58	58	Shell-Thin	68	SSOVRsx	LinStatic	0,92	0,7	0,07568
58	58	Shell-Thin	69	SSOVRsx	LinStatic	0,82	0,2	0,13
58	58	Shell-Thin	54	SSOVRsx	LinStatic	-0,07738	0,01959	0,32
58	58	Shell-Thin	53	SW2	LinStatic	-129,98	-150,98	201,92
58	58	Shell-Thin	68	SW2	LinStatic	-70,14	-139,01	198,83
58	58	Shell-Thin	69	SW2	LinStatic	-77,87	-177,7	199,86
58	58	Shell-Thin	54	SW2	LinStatic	-137,71	-189,66	202,95
59	59	Shell-Thin	54	DEAD	LinStatic	-52,04	-48,39	84,74
59	59	Shell-Thin	69	DEAD	LinStatic	-41,57	-46,29	82,98
59	59	Shell-Thin	70	DEAD	LinStatic	-44,71	-61,99	81,69
59	59	Shell-Thin	55	DEAD	LinStatic	-55,17	-64,08	83,45
59	59	Shell-Thin	54	STERR	LinStatic	-5,234E-13	-5,116E-13	7,302E-13
59	59	Shell-Thin	69	STERR	LinStatic	-3,572E-13	-4,783E-13	7,079E-13
59	59	Shell-Thin	70	STERR	LinStatic	-3,981E-13	-6,825E-13	7,798E-13
59	59	Shell-Thin	55	STERR	LinStatic	-5,643E-13	-7,158E-13	8,022E-13
59	59	Shell-Thin	54	SSOVRdx	LinStatic	0,3	0,02399	-0,6
59	59	Shell-Thin	69	SSOVRdx	LinStatic	-0,39	-0,11	-0,32
59	59	Shell-Thin	70	SSOVRdx	LinStatic	-0,31	0,27	-0,77
59	59	Shell-Thin	55	SSOVRdx	LinStatic	0,37	0,41	-1,05
59	59	Shell-Thin	54	SSOVRsx	LinStatic	-0,3	-0,02399	0,6
59	59	Shell-Thin	69	SSOVRsx	LinStatic	0,39	0,11	0,32
59	59	Shell-Thin	70	SSOVRsx	LinStatic	0,31	-0,27	0,77
59	59	Shell-Thin	55	SSOVRsx	LinStatic	-0,37	-0,41	1,05
59	59	Shell-Thin	54	SW2	LinStatic	-118,6	-185,84	205,01
59	59	Shell-Thin	69	SW2	LinStatic	-86,8	-179,48	202,75
59	59	Shell-Thin	70	SW2	LinStatic	-93,66	-213,77	200,27
59	59	Shell-Thin	55	SW2	LinStatic	-125,45	-220,13	202,53
60	60	Shell-Thin	55	DEAD	LinStatic	-77,17	-68,48	81,6
60	60	Shell-Thin	70	DEAD	LinStatic	-53,61	-63,77	76,2
60	60	Shell-Thin	71	DEAD	LinStatic	-57,56	-83,55	72,04
60	60	Shell-Thin	56	DEAD	LinStatic	-81,13	-88,26	77,45
60	60	Shell-Thin	55	STERR	LinStatic	-8,448E-13	-7,719E-13	8,719E-13
60	60	Shell-Thin	70	STERR	LinStatic	-5,572E-13	-7,143E-13	7,708E-13

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
60	60	Shell-Thin	71	STERR	LinStatic	-6,236E-13	-1,047E-12	7,313E-13
60	60	Shell-Thin	56	STERR	LinStatic	-9,113E-13	-1,104E-12	8,323E-13
60	60	Shell-Thin	55	SSOVRdx	LinStatic	1,54	0,64	-1,49
60	60	Shell-Thin	70	SSOVRdx	LinStatic	0,89	0,51	-1,12
60	60	Shell-Thin	71	SSOVRdx	LinStatic	1,28	2,48	-1,2
60	60	Shell-Thin	56	SSOVRdx	LinStatic	1,94	2,61	-1,56
60	60	Shell-Thin	55	SSOVRsx	LinStatic	-1,54	-0,64	1,49
60	60	Shell-Thin	70	SSOVRsx	LinStatic	-0,89	-0,51	1,12
60	60	Shell-Thin	71	SSOVRsx	LinStatic	-1,28	-2,48	1,2
60	60	Shell-Thin	56	SSOVRsx	LinStatic	-1,94	-2,61	1,56
60	60	Shell-Thin	55	SW2	LinStatic	-199,94	-235,02	204,79
60	60	Shell-Thin	70	SW2	LinStatic	-117,09	-218,45	185,9
60	60	Shell-Thin	71	SW2	LinStatic	-117,89	-222,47	175,7
60	60	Shell-Thin	56	SW2	LinStatic	-200,75	-239,04	194,58
61	61	Shell-Thin	57	DEAD	LinStatic	-36,38	-7,28	74,27
61	61	Shell-Thin	73	DEAD	LinStatic	-17,01	-3,4	71,63
61	61	Shell-Thin	74	DEAD	LinStatic	-18,3	-9,87	124,9
61	61	Shell-Thin	58	DEAD	LinStatic	-37,68	-13,75	127,54
61	61	Shell-Thin	57	STERR	LinStatic	3,344E-13	6,687E-14	-4,033E-13
61	61	Shell-Thin	73	STERR	LinStatic	1,067E-13	2,134E-14	-4,128E-13
61	61	Shell-Thin	74	STERR	LinStatic	1,135E-13	5,512E-14	-7,383E-13
61	61	Shell-Thin	58	STERR	LinStatic	3,411E-13	1,007E-13	-7,287E-13
61	61	Shell-Thin	57	SSOVRdx	LinStatic	1,75	0,35	-0,49
61	61	Shell-Thin	73	SSOVRdx	LinStatic	2,79	0,56	-0,52
61	61	Shell-Thin	74	SSOVRdx	LinStatic	2,92	1,23	-0,79
61	61	Shell-Thin	58	SSOVRdx	LinStatic	1,89	1,03	-0,75
61	61	Shell-Thin	57	SSOVRsx	LinStatic	-1,75	-0,35	0,49
61	61	Shell-Thin	73	SSOVRsx	LinStatic	-2,79	-0,56	0,52
61	61	Shell-Thin	74	SSOVRsx	LinStatic	-2,92	-1,23	0,79
61	61	Shell-Thin	58	SSOVRsx	LinStatic	-1,89	-1,03	0,75
61	61	Shell-Thin	57	SW2	LinStatic	-98,05	-19,61	148,31
61	61	Shell-Thin	73	SW2	LinStatic	-54,41	-10,88	152,38
61	61	Shell-Thin	74	SW2	LinStatic	-67,34	-75,55	264,28
61	61	Shell-Thin	58	SW2	LinStatic	-110,99	-84,27	260,21
62	62	Shell-Thin	58	DEAD	LinStatic	-35,79	-13,37	99,92
62	62	Shell-Thin	74	DEAD	LinStatic	-17,84	-9,78	99,05
62	62	Shell-Thin	75	DEAD	LinStatic	-20	-20,6	91,98
62	62	Shell-Thin	59	DEAD	LinStatic	-37,96	-24,19	92,85
62	62	Shell-Thin	58	STERR	LinStatic	3,47E-13	1,018E-13	-6,783E-13
62	62	Shell-Thin	74	STERR	LinStatic	1,161E-13	5,566E-14	-6,381E-13
62	62	Shell-Thin	75	STERR	LinStatic	1,456E-13	2,03E-13	-6,628E-13
62	62	Shell-Thin	59	STERR	LinStatic	3,764E-13	2,491E-13	-7,03E-13
62	62	Shell-Thin	58	SSOVRdx	LinStatic	1,45	0,94	-0,3
62	62	Shell-Thin	74	SSOVRdx	LinStatic	2,5	1,15	-0,54
62	62	Shell-Thin	75	SSOVRdx	LinStatic	2,47	1,01	-0,37
62	62	Shell-Thin	59	SSOVRdx	LinStatic	1,42	0,8	-0,12
62	62	Shell-Thin	58	SSOVRsx	LinStatic	-1,45	-0,94	0,3
62	62	Shell-Thin	74	SSOVRsx	LinStatic	-2,5	-1,15	0,54
62	62	Shell-Thin	75	SSOVRsx	LinStatic	-2,47	-1,01	0,37
62	62	Shell-Thin	59	SSOVRsx	LinStatic	-1,42	-0,8	0,12
62	62	Shell-Thin	58	SW2	LinStatic	-87,22	-79,52	217,34
62	62	Shell-Thin	74	SW2	LinStatic	-38,75	-69,83	222,12
62	62	Shell-Thin	75	SW2	LinStatic	-48,37	-117,91	216,49
62	62	Shell-Thin	59	SW2	LinStatic	-96,84	-127,61	211,72
63	63	Shell-Thin	59	DEAD	LinStatic	-36,52	-23,91	90,94
63	63	Shell-Thin	75	DEAD	LinStatic	-17,4	-20,08	90,68
63	63	Shell-Thin	76	DEAD	LinStatic	-19,49	-30,51	89,08
63	63	Shell-Thin	60	DEAD	LinStatic	-38,61	-34,33	89,33
63	63	Shell-Thin	59	STERR	LinStatic	3,609E-13	2,46E-13	-6,952E-13
63	63	Shell-Thin	75	STERR	LinStatic	1,348E-13	2,008E-13	-7,107E-13
63	63	Shell-Thin	76	STERR	LinStatic	1,572E-13	3,13E-13	-7,016E-13
63	63	Shell-Thin	60	STERR	LinStatic	3,833E-13	3,582E-13	-6,861E-13
63	63	Shell-Thin	59	SSOVRdx	LinStatic	1,15	0,74	-0,17
63	63	Shell-Thin	75	SSOVRdx	LinStatic	2,28	0,97	-0,25
63	63	Shell-Thin	76	SSOVRdx	LinStatic	2,27	0,9	-0,28
63	63	Shell-Thin	60	SSOVRdx	LinStatic	1,13	0,67	-0,2
63	63	Shell-Thin	59	SSOVRsx	LinStatic	-1,15	-0,74	0,17
63	63	Shell-Thin	75	SSOVRsx	LinStatic	-2,28	-0,97	0,25
63	63	Shell-Thin	76	SSOVRsx	LinStatic	-2,27	-0,9	0,28
63	63	Shell-Thin	60	SSOVRsx	LinStatic	-1,13	-0,67	0,2

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
63	63	Shell-Thin	59	SW2	LinStatic	-82,28	-124,7	212,43
63	63	Shell-Thin	75	SW2	LinStatic	-33,3	-114,9	211,96
63	63	Shell-Thin	76	SW2	LinStatic	-41,14	-154,11	211,42
63	63	Shell-Thin	60	SW2	LinStatic	-90,12	-163,91	211,9
64	64	Shell-Thin	60	DEAD	LinStatic	-34,94	-33,6	87,48
64	64	Shell-Thin	76	DEAD	LinStatic	-18,8	-30,37	87,63
64	64	Shell-Thin	77	DEAD	LinStatic	-20,42	-38,5	84,2
64	64	Shell-Thin	61	DEAD	LinStatic	-36,57	-41,73	84,05
64	64	Shell-Thin	60	STERR	LinStatic	3,72E-13	3,559E-13	-7,026E-13
64	64	Shell-Thin	76	STERR	LinStatic	1,203E-13	3,056E-13	-6,854E-13
64	64	Shell-Thin	77	STERR	LinStatic	1,486E-13	4,472E-13	-7,608E-13
64	64	Shell-Thin	61	STERR	LinStatic	4,003E-13	4,976E-13	-7,781E-13
64	64	Shell-Thin	60	SSOVRdx	LinStatic	0,91	0,63	-0,09745
64	64	Shell-Thin	76	SSOVRdx	LinStatic	2,02	0,85	-0,41
64	64	Shell-Thin	77	SSOVRdx	LinStatic	1,96	0,55	-0,03586
64	64	Shell-Thin	61	SSOVRdx	LinStatic	0,85	0,33	0,28
64	64	Shell-Thin	60	SSOVRsx	LinStatic	-0,91	-0,63	0,09745
64	64	Shell-Thin	76	SSOVRsx	LinStatic	-2,02	-0,85	0,41
64	64	Shell-Thin	77	SSOVRsx	LinStatic	-1,96	-0,55	0,03586
64	64	Shell-Thin	61	SSOVRsx	LinStatic	-0,85	-0,33	-0,28
64	64	Shell-Thin	60	SW2	LinStatic	-74,49	-160,78	205,03
64	64	Shell-Thin	76	SW2	LinStatic	-32,18	-152,32	213,5
64	64	Shell-Thin	77	SW2	LinStatic	-36,9	-175,89	206,81
64	64	Shell-Thin	61	SW2	LinStatic	-79,2	-184,35	198,34
65	65	Shell-Thin	61	DEAD	LinStatic	-40,83	-42,59	82,75
65	65	Shell-Thin	77	DEAD	LinStatic	-22,38	-38,9	78,63
65	65	Shell-Thin	78	DEAD	LinStatic	-26,37	-58,84	74,85
65	65	Shell-Thin	62	DEAD	LinStatic	-44,82	-62,53	78,97
65	65	Shell-Thin	61	STERR	LinStatic	3,944E-13	4,964E-13	-8,233E-13
65	65	Shell-Thin	77	STERR	LinStatic	1,921E-13	4,559E-13	-7,756E-13
65	65	Shell-Thin	78	STERR	LinStatic	2,588E-13	7,893E-13	-7,268E-13
65	65	Shell-Thin	62	STERR	LinStatic	4,611E-13	8,298E-13	-7,745E-13
65	65	Shell-Thin	61	SSOVRdx	LinStatic	0,42	0,24	0,47
65	65	Shell-Thin	77	SSOVRdx	LinStatic	1,2	0,4	0,08199
65	65	Shell-Thin	78	SSOVRdx	LinStatic	1,08	-0,2	0,02015
65	65	Shell-Thin	62	SSOVRdx	LinStatic	0,3	-0,36	0,41
65	65	Shell-Thin	61	SSOVRsx	LinStatic	-0,42	-0,24	-0,47
65	65	Shell-Thin	77	SSOVRsx	LinStatic	-1,2	-0,4	-0,08199
65	65	Shell-Thin	78	SSOVRsx	LinStatic	-1,08	0,2	-0,02015
65	65	Shell-Thin	62	SSOVRsx	LinStatic	-0,3	0,36	-0,41
65	65	Shell-Thin	61	SW2	LinStatic	-88,13	-186,14	201,23
65	65	Shell-Thin	77	SW2	LinStatic	-32,68	-175,05	191,75
65	65	Shell-Thin	78	SW2	LinStatic	-42,6	-224,63	184,94
65	65	Shell-Thin	62	SW2	LinStatic	-98,05	-235,72	194,43
66	66	Shell-Thin	62	DEAD	LinStatic	-53,71	-64,31	73,47
66	66	Shell-Thin	78	DEAD	LinStatic	-34,31	-60,43	68,81
66	66	Shell-Thin	79	DEAD	LinStatic	-36,94	-73,58	66,98
66	66	Shell-Thin	63	DEAD	LinStatic	-56,34	-77,46	71,64
66	66	Shell-Thin	62	STERR	LinStatic	6,23E-13	8,621E-13	-7,606E-13
66	66	Shell-Thin	78	STERR	LinStatic	2,65E-13	7,905E-13	-7,413E-13
66	66	Shell-Thin	79	STERR	LinStatic	3,117E-13	1,024E-12	-8,087E-13
66	66	Shell-Thin	63	STERR	LinStatic	6,697E-13	1,096E-12	-8,28E-13
66	66	Shell-Thin	62	SSOVRdx	LinStatic	-0,91	-0,6	0,76
66	66	Shell-Thin	78	SSOVRdx	LinStatic	0,11	-0,4	0,36
66	66	Shell-Thin	79	SSOVRdx	LinStatic	-0,11	-1,54	0,89
66	66	Shell-Thin	63	SSOVRdx	LinStatic	-1,14	-1,75	1,29
66	66	Shell-Thin	62	SSOVRsx	LinStatic	0,91	0,6	-0,76
66	66	Shell-Thin	78	SSOVRsx	LinStatic	-0,11	0,4	-0,36
66	66	Shell-Thin	79	SSOVRsx	LinStatic	0,11	1,54	-0,89
66	66	Shell-Thin	63	SSOVRsx	LinStatic	1,14	1,75	-1,29
66	66	Shell-Thin	62	SW2	LinStatic	-121,48	-240,41	180,05
66	66	Shell-Thin	78	SW2	LinStatic	-58,42	-227,8	172,11
66	66	Shell-Thin	79	SW2	LinStatic	-57,83	-224,86	164,48
66	66	Shell-Thin	63	SW2	LinStatic	-120,89	-237,47	172,43
67	67	Shell-Thin	63	DEAD	LinStatic	-75,52	-81,29	71,47
67	67	Shell-Thin	79	DEAD	LinStatic	-46,47	-75,48	64,93
67	67	Shell-Thin	80	DEAD	LinStatic	-44,81	-67,15	66,48
67	67	Shell-Thin	64	DEAD	LinStatic	-73,85	-72,96	73,02
67	67	Shell-Thin	63	STERR	LinStatic	9,513E-13	1,152E-12	-9,143E-13
67	67	Shell-Thin	79	STERR	LinStatic	4,535E-13	1,052E-12	-7,378E-13

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
67	67	Shell-Thin	80	STERR	LinStatic	4,226E-13	8,979E-13	-7,359E-13
67	67	Shell-Thin	64	STERR	LinStatic	9,204E-13	9,974E-13	-9,124E-13
67	67	Shell-Thin	63	SSOVRdx	LinStatic	-2,12	-1,94	1,94
67	67	Shell-Thin	79	SSOVRdx	LinStatic	-1,16	-1,75	1,09
67	67	Shell-Thin	80	SSOVRdx	LinStatic	-1,24	-2,15	1,35
67	67	Shell-Thin	64	SSOVRdx	LinStatic	-2,2	-2,34	2,2
67	67	Shell-Thin	63	SSOVRsx	LinStatic	2,12	1,94	-1,94
67	67	Shell-Thin	79	SSOVRsx	LinStatic	1,16	1,75	-1,09
67	67	Shell-Thin	80	SSOVRsx	LinStatic	1,24	2,15	-1,35
67	67	Shell-Thin	64	SSOVRsx	LinStatic	2,2	2,34	-2,2
67	67	Shell-Thin	63	SW2	LinStatic	-189,25	-251,14	169,42
67	67	Shell-Thin	79	SW2	LinStatic	-78,69	-229,03	154,9
67	67	Shell-Thin	80	SW2	LinStatic	-65,79	-164,52	160,93
67	67	Shell-Thin	64	SW2	LinStatic	-176,35	-186,63	175,44
68	68	Shell-Thin	65	DEAD	LinStatic	-36,38	-7,28	74,27
68	68	Shell-Thin	82	DEAD	LinStatic	-17,01	-3,4	71,63
68	68	Shell-Thin	83	DEAD	LinStatic	-18,3	-9,87	124,9
68	68	Shell-Thin	66	DEAD	LinStatic	-37,68	-13,75	127,54
68	68	Shell-Thin	65	STERR	LinStatic	-2,886E-13	-5,773E-14	3,643E-13
68	68	Shell-Thin	82	STERR	LinStatic	-7,426E-14	-1,485E-14	3,751E-13
68	68	Shell-Thin	83	STERR	LinStatic	-8,019E-14	-4,451E-14	6,699E-13
68	68	Shell-Thin	66	STERR	LinStatic	-2,946E-13	-8,738E-14	6,592E-13
68	68	Shell-Thin	65	SSOVRdx	LinStatic	-1,75	-0,35	0,49
68	68	Shell-Thin	82	SSOVRdx	LinStatic	-2,79	-0,56	0,52
68	68	Shell-Thin	83	SSOVRdx	LinStatic	-2,92	-1,23	0,79
68	68	Shell-Thin	66	SSOVRdx	LinStatic	-1,89	-1,03	0,75
68	68	Shell-Thin	65	SSOVRsx	LinStatic	1,75	0,35	-0,49
68	68	Shell-Thin	82	SSOVRsx	LinStatic	2,79	0,56	-0,52
68	68	Shell-Thin	83	SSOVRsx	LinStatic	2,92	1,23	-0,79
68	68	Shell-Thin	66	SSOVRsx	LinStatic	1,89	1,03	-0,75
68	68	Shell-Thin	65	SW2	LinStatic	-98,05	-19,61	148,31
68	68	Shell-Thin	82	SW2	LinStatic	-54,41	-10,88	152,38
68	68	Shell-Thin	83	SW2	LinStatic	-67,34	-75,55	264,28
68	68	Shell-Thin	66	SW2	LinStatic	-110,99	-84,27	260,21
69	69	Shell-Thin	66	DEAD	LinStatic	-35,79	-13,37	99,92
69	69	Shell-Thin	83	DEAD	LinStatic	-17,84	-9,78	99,05
69	69	Shell-Thin	84	DEAD	LinStatic	-20	-20,6	91,98
69	69	Shell-Thin	67	DEAD	LinStatic	-37,96	-24,19	92,85
69	69	Shell-Thin	66	STERR	LinStatic	-3,019E-13	-8,885E-14	6,166E-13
69	69	Shell-Thin	83	STERR	LinStatic	-8,328E-14	-4,513E-14	5,769E-13
69	69	Shell-Thin	84	STERR	LinStatic	-1,107E-13	-1,82E-13	6,007E-13
69	69	Shell-Thin	67	STERR	LinStatic	-3,293E-13	-2,257E-13	6,405E-13
69	69	Shell-Thin	66	SSOVRdx	LinStatic	-1,45	-0,94	0,3
69	69	Shell-Thin	83	SSOVRdx	LinStatic	-2,5	-1,15	0,54
69	69	Shell-Thin	84	SSOVRdx	LinStatic	-2,47	-1,01	0,37
69	69	Shell-Thin	67	SSOVRdx	LinStatic	-1,42	-0,8	0,12
69	69	Shell-Thin	66	SSOVRsx	LinStatic	1,45	0,94	-0,3
69	69	Shell-Thin	83	SSOVRsx	LinStatic	2,5	1,15	-0,54
69	69	Shell-Thin	84	SSOVRsx	LinStatic	2,47	1,01	-0,37
69	69	Shell-Thin	67	SSOVRsx	LinStatic	1,42	0,8	-0,12
69	69	Shell-Thin	66	SW2	LinStatic	-87,22	-79,52	217,34
69	69	Shell-Thin	83	SW2	LinStatic	-38,75	-69,83	222,12
69	69	Shell-Thin	84	SW2	LinStatic	-48,37	-117,91	216,49
69	69	Shell-Thin	67	SW2	LinStatic	-96,84	-127,61	211,72
70	70	Shell-Thin	67	DEAD	LinStatic	-36,52	-23,91	90,94
70	70	Shell-Thin	84	DEAD	LinStatic	-17,4	-20,08	90,68
70	70	Shell-Thin	85	DEAD	LinStatic	-19,49	-30,51	89,08
70	70	Shell-Thin	68	DEAD	LinStatic	-38,61	-34,33	89,33
70	70	Shell-Thin	67	STERR	LinStatic	-3,162E-13	-2,231E-13	6,308E-13
70	70	Shell-Thin	84	STERR	LinStatic	-1,026E-13	-1,804E-13	6,463E-13
70	70	Shell-Thin	85	STERR	LinStatic	-1,226E-13	-2,802E-13	6,349E-13
70	70	Shell-Thin	68	STERR	LinStatic	-3,362E-13	-3,229E-13	6,194E-13
70	70	Shell-Thin	67	SSOVRdx	LinStatic	-1,15	-0,74	0,17
70	70	Shell-Thin	84	SSOVRdx	LinStatic	-2,28	-0,97	0,25
70	70	Shell-Thin	85	SSOVRdx	LinStatic	-2,27	-0,9	0,28
70	70	Shell-Thin	68	SSOVRdx	LinStatic	-1,13	-0,67	0,2
70	70	Shell-Thin	67	SSOVRsx	LinStatic	1,15	0,74	-0,17
70	70	Shell-Thin	84	SSOVRsx	LinStatic	2,28	0,97	-0,25
70	70	Shell-Thin	85	SSOVRsx	LinStatic	2,27	0,9	-0,28
70	70	Shell-Thin	68	SSOVRsx	LinStatic	1,13	0,67	-0,2

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
70	70	Shell-Thin	67	SW2	LinStatic	-82,28	-124,7	212,43
70	70	Shell-Thin	84	SW2	LinStatic	-33,3	-114,9	211,96
70	70	Shell-Thin	85	SW2	LinStatic	-41,14	-154,11	211,42
70	70	Shell-Thin	68	SW2	LinStatic	-90,12	-163,91	211,9
71	71	Shell-Thin	68	DEAD	LinStatic	-34,94	-33,6	87,48
71	71	Shell-Thin	85	DEAD	LinStatic	-18,8	-30,37	87,63
71	71	Shell-Thin	86	DEAD	LinStatic	-20,42	-38,5	84,2
71	71	Shell-Thin	69	DEAD	LinStatic	-36,57	-41,73	84,05
71	71	Shell-Thin	68	STERR	LinStatic	-3,294E-13	-3,216E-13	6,363E-13
71	71	Shell-Thin	85	STERR	LinStatic	-8,922E-14	-2,735E-13	6,171E-13
71	71	Shell-Thin	86	STERR	LinStatic	-1,158E-13	-4,062E-13	6,911E-13
71	71	Shell-Thin	69	STERR	LinStatic	-3,56E-13	-4,543E-13	7,103E-13
71	71	Shell-Thin	68	SSOVRdx	LinStatic	-0,91	-0,63	0,09745
71	71	Shell-Thin	85	SSOVRdx	LinStatic	-2,02	-0,85	0,41
71	71	Shell-Thin	86	SSOVRdx	LinStatic	-1,96	-0,55	0,03586
71	71	Shell-Thin	69	SSOVRdx	LinStatic	-0,85	-0,33	-0,28
71	71	Shell-Thin	68	SSOVRsx	LinStatic	0,91	0,63	-0,09745
71	71	Shell-Thin	85	SSOVRsx	LinStatic	2,02	0,85	-0,41
71	71	Shell-Thin	86	SSOVRsx	LinStatic	1,96	0,55	-0,03586
71	71	Shell-Thin	69	SSOVRsx	LinStatic	0,85	0,33	0,28
71	71	Shell-Thin	68	SW2	LinStatic	-74,49	-160,78	205,03
71	71	Shell-Thin	85	SW2	LinStatic	-32,18	-152,32	213,5
71	71	Shell-Thin	86	SW2	LinStatic	-36,9	-175,89	206,81
71	71	Shell-Thin	69	SW2	LinStatic	-79,2	-184,35	198,34
72	72	Shell-Thin	69	DEAD	LinStatic	-40,83	-42,59	82,75
72	72	Shell-Thin	86	DEAD	LinStatic	-22,38	-38,9	78,63
72	72	Shell-Thin	87	DEAD	LinStatic	-26,37	-58,84	74,85
72	72	Shell-Thin	70	DEAD	LinStatic	-44,82	-62,53	78,97
72	72	Shell-Thin	69	STERR	LinStatic	-3,523E-13	-4,535E-13	7,515E-13
72	72	Shell-Thin	86	STERR	LinStatic	-1,638E-13	-4,158E-13	7,05E-13
72	72	Shell-Thin	87	STERR	LinStatic	-2,235E-13	-7,141E-13	6,57E-13
72	72	Shell-Thin	70	STERR	LinStatic	-4,119E-13	-7,518E-13	7,036E-13
72	72	Shell-Thin	69	SSOVRdx	LinStatic	-0,42	-0,24	-0,47
72	72	Shell-Thin	86	SSOVRdx	LinStatic	-1,2	-0,4	-0,08199
72	72	Shell-Thin	87	SSOVRdx	LinStatic	-1,08	0,2	-0,02015
72	72	Shell-Thin	70	SSOVRdx	LinStatic	-0,3	0,36	-0,41
72	72	Shell-Thin	69	SSOVRsx	LinStatic	0,42	0,24	0,47
72	72	Shell-Thin	86	SSOVRsx	LinStatic	1,2	0,4	0,08199
72	72	Shell-Thin	87	SSOVRsx	LinStatic	1,08	-0,2	0,02015
72	72	Shell-Thin	70	SSOVRsx	LinStatic	0,3	-0,36	0,41
72	72	Shell-Thin	69	SW2	LinStatic	-88,13	-186,14	201,23
72	72	Shell-Thin	86	SW2	LinStatic	-32,68	-175,05	191,75
72	72	Shell-Thin	87	SW2	LinStatic	-42,6	-224,63	184,94
72	72	Shell-Thin	70	SW2	LinStatic	-98,05	-235,72	194,43
73	73	Shell-Thin	70	DEAD	LinStatic	-53,71	-64,31	73,47
73	73	Shell-Thin	87	DEAD	LinStatic	-34,31	-60,43	68,81
73	73	Shell-Thin	88	DEAD	LinStatic	-36,94	-73,58	66,98
73	73	Shell-Thin	71	DEAD	LinStatic	-56,34	-77,46	71,64
73	73	Shell-Thin	70	STERR	LinStatic	-5,71E-13	-7,836E-13	6,945E-13
73	73	Shell-Thin	87	STERR	LinStatic	-2,359E-13	-7,166E-13	6,761E-13
73	73	Shell-Thin	88	STERR	LinStatic	-2,823E-13	-9,486E-13	7,45E-13
73	73	Shell-Thin	71	STERR	LinStatic	-6,174E-13	-1,016E-12	7,635E-13
73	73	Shell-Thin	70	SSOVRdx	LinStatic	0,91	0,6	-0,76
73	73	Shell-Thin	87	SSOVRdx	LinStatic	-0,11	0,4	-0,36
73	73	Shell-Thin	88	SSOVRdx	LinStatic	0,11	1,54	-0,89
73	73	Shell-Thin	71	SSOVRdx	LinStatic	1,14	1,75	-1,29
73	73	Shell-Thin	70	SSOVRsx	LinStatic	-0,91	-0,6	0,76
73	73	Shell-Thin	87	SSOVRsx	LinStatic	0,11	-0,4	0,36
73	73	Shell-Thin	88	SSOVRsx	LinStatic	-0,11	-1,54	0,89
73	73	Shell-Thin	71	SSOVRsx	LinStatic	-1,14	-1,75	1,29
73	73	Shell-Thin	70	SW2	LinStatic	-121,48	-240,41	180,05
73	73	Shell-Thin	87	SW2	LinStatic	-58,42	-227,8	172,11
73	73	Shell-Thin	88	SW2	LinStatic	-57,83	-224,86	164,48
73	73	Shell-Thin	71	SW2	LinStatic	-120,89	-237,47	172,43
74	74	Shell-Thin	71	DEAD	LinStatic	-75,52	-81,29	71,47
74	74	Shell-Thin	88	DEAD	LinStatic	-46,47	-75,48	64,93
74	74	Shell-Thin	89	DEAD	LinStatic	-44,81	-67,15	66,48
74	74	Shell-Thin	72	DEAD	LinStatic	-73,85	-72,96	73,02
74	74	Shell-Thin	71	STERR	LinStatic	-8,728E-13	-1,067E-12	8,47E-13
74	74	Shell-Thin	88	STERR	LinStatic	-4,264E-13	-9,774E-13	6,712E-13

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
74	74	Shell-Thin	89	STERR	LinStatic	-3,96E-13	-8,254E-13	6,642E-13
74	74	Shell-Thin	72	STERR	LinStatic	-8,423E-13	-9,146E-13	8,4E-13
74	74	Shell-Thin	71	SSOVRdx	LinStatic	2,12	1,94	-1,94
74	74	Shell-Thin	88	SSOVRdx	LinStatic	1,16	1,75	-1,09
74	74	Shell-Thin	89	SSOVRdx	LinStatic	1,24	2,15	-1,35
74	74	Shell-Thin	72	SSOVRdx	LinStatic	2,2	2,34	-2,2
74	74	Shell-Thin	71	SSOVRsx	LinStatic	-2,12	-1,94	1,94
74	74	Shell-Thin	88	SSOVRsx	LinStatic	-1,16	-1,75	1,09
74	74	Shell-Thin	89	SSOVRsx	LinStatic	-1,24	-2,15	1,35
74	74	Shell-Thin	72	SSOVRsx	LinStatic	-2,2	-2,34	2,2
74	74	Shell-Thin	71	SW2	LinStatic	-189,25	-251,14	169,42
74	74	Shell-Thin	88	SW2	LinStatic	-78,69	-229,03	154,9
74	74	Shell-Thin	89	SW2	LinStatic	-65,79	-164,52	160,93
74	74	Shell-Thin	72	SW2	LinStatic	-176,35	-186,63	175,44
75	75	Shell-Thin	100	DEAD	LinStatic	-4,62	-19,04	12,87
75	75	Shell-Thin	120	DEAD	LinStatic	-13,11	-20,74	13,4
75	75	Shell-Thin	121	DEAD	LinStatic	-12,84	-19,4	10,01
75	75	Shell-Thin	100	STERR	LinStatic	-8,631E-14	1,048E-13	1,882E-13
75	75	Shell-Thin	120	STERR	LinStatic	1,668E-13	1,554E-13	9,247E-14
75	75	Shell-Thin	121	STERR	LinStatic	1,189E-13	-8,383E-14	1,937E-13
75	75	Shell-Thin	100	SSOVRdx	LinStatic	-0,44	-0,98	0,03664
75	75	Shell-Thin	120	SSOVRdx	LinStatic	0,11	-0,87	0,11
75	75	Shell-Thin	121	SSOVRdx	LinStatic	0,15	-0,69	0,33
75	75	Shell-Thin	100	SSOVRsx	LinStatic	0,44	0,98	-0,03664
75	75	Shell-Thin	120	SSOVRsx	LinStatic	-0,11	0,87	-0,11
75	75	Shell-Thin	121	SSOVRsx	LinStatic	-0,15	0,69	-0,33
75	75	Shell-Thin	100	SW2	LinStatic	37,67	1	-35,12
75	75	Shell-Thin	120	SW2	LinStatic	-52,68	-17,07	-22,64
75	75	Shell-Thin	121	SW2	LinStatic	-46,43	14,14	-58,78
76	76	Shell-Thin	110	DEAD	LinStatic	-4,62	-19,04	12,87
76	76	Shell-Thin	131	DEAD	LinStatic	-13,11	-20,74	13,4
76	76	Shell-Thin	132	DEAD	LinStatic	-12,84	-19,4	10,01
76	76	Shell-Thin	110	STERR	LinStatic	6,626E-14	-1,091E-13	-1,727E-13
76	76	Shell-Thin	131	STERR	LinStatic	-1,449E-13	-1,513E-13	-8,258E-14
76	76	Shell-Thin	132	STERR	LinStatic	-9,985E-14	7,405E-14	-1,671E-13
76	76	Shell-Thin	110	SSOVRdx	LinStatic	0,44	0,98	-0,03664
76	76	Shell-Thin	131	SSOVRdx	LinStatic	-0,11	0,87	-0,11
76	76	Shell-Thin	132	SSOVRdx	LinStatic	-0,15	0,69	-0,33
76	76	Shell-Thin	110	SSOVRsx	LinStatic	-0,44	-0,98	0,03664
76	76	Shell-Thin	131	SSOVRsx	LinStatic	0,11	-0,87	0,11
76	76	Shell-Thin	132	SSOVRsx	LinStatic	0,15	-0,69	0,33
76	76	Shell-Thin	110	SW2	LinStatic	37,67	1	-35,12
76	76	Shell-Thin	131	SW2	LinStatic	-52,68	-17,07	-22,64
76	76	Shell-Thin	132	SW2	LinStatic	-46,43	14,14	-58,78
77	77	Shell-Thin	73	DEAD	LinStatic	-17,01	-3,4	71,63
77	77	Shell-Thin	91	DEAD	LinStatic	36,42	7,28	70,74
77	77	Shell-Thin	92	DEAD	LinStatic	35	0,18	127,91
77	77	Shell-Thin	74	DEAD	LinStatic	-18,43	-10,51	128,8
77	77	Shell-Thin	73	STERR	LinStatic	1,067E-13	2,134E-14	-4,128E-13
77	77	Shell-Thin	91	STERR	LinStatic	-5,655E-13	-1,131E-13	-3,609E-13
77	77	Shell-Thin	92	STERR	LinStatic	-5,493E-13	-3,222E-14	-7,063E-13
77	77	Shell-Thin	74	STERR	LinStatic	1,229E-13	1,022E-13	-7,582E-13
77	77	Shell-Thin	73	SSOVRdx	LinStatic	2,79	0,56	-0,52
77	77	Shell-Thin	91	SSOVRdx	LinStatic	5,95	1,19	-0,9
77	77	Shell-Thin	92	SSOVRdx	LinStatic	6,04	1,64	-1,34
77	77	Shell-Thin	74	SSOVRdx	LinStatic	2,87	1	-0,97
77	77	Shell-Thin	73	SSOVRsx	LinStatic	-2,79	-0,56	0,52
77	77	Shell-Thin	91	SSOVRsx	LinStatic	-5,95	-1,19	0,9
77	77	Shell-Thin	92	SSOVRsx	LinStatic	-6,04	-1,64	1,34
77	77	Shell-Thin	74	SSOVRsx	LinStatic	-2,87	-1	0,97
77	77	Shell-Thin	73	SW2	LinStatic	-54,41	-10,88	152,38
77	77	Shell-Thin	91	SW2	LinStatic	66,29	13,26	164,9
77	77	Shell-Thin	92	SW2	LinStatic	49,7	-69,71	293,88
77	77	Shell-Thin	74	SW2	LinStatic	-71	-93,85	281,35
78	78	Shell-Thin	74	DEAD	LinStatic	-17,97	-10,42	102,96
78	78	Shell-Thin	92	DEAD	LinStatic	36,84	0,55	102,37
78	78	Shell-Thin	93	DEAD	LinStatic	34,1	-13,15	89,61
78	78	Shell-Thin	75	DEAD	LinStatic	-20,71	-24,11	90,2
78	78	Shell-Thin	74	STERR	LinStatic	1,256E-13	1,028E-13	-6,58E-13
78	78	Shell-Thin	92	STERR	LinStatic	-5,582E-13	-3,399E-14	-6,844E-13

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
78	78	Shell-Thin	93	STERR	LinStatic	-5,301E-13	1,063E-13	-6,477E-13
78	78	Shell-Thin	75	STERR	LinStatic	1,536E-13	2,431E-13	-6,213E-13
78	78	Shell-Thin	74	SSOVRdx	LinStatic	2,45	0,92	-0,73
78	78	Shell-Thin	92	SSOVRdx	LinStatic	5,68	1,56	-0,78
78	78	Shell-Thin	93	SSOVRdx	LinStatic	5,65	1,42	-0,65
78	78	Shell-Thin	75	SSOVRdx	LinStatic	2,43	0,78	-0,59
78	78	Shell-Thin	74	SSOVRsx	LinStatic	-2,45	-0,92	0,73
78	78	Shell-Thin	92	SSOVRsx	LinStatic	-5,68	-1,56	0,78
78	78	Shell-Thin	93	SSOVRsx	LinStatic	-5,65	-1,42	0,65
78	78	Shell-Thin	75	SSOVRsx	LinStatic	-2,43	-0,78	0,59
78	78	Shell-Thin	74	SW2	LinStatic	-42,41	-88,13	239,19
78	78	Shell-Thin	92	SW2	LinStatic	94,02	-60,85	249,23
78	78	Shell-Thin	93	SW2	LinStatic	80,15	-130,18	225,9
78	78	Shell-Thin	75	SW2	LinStatic	-56,28	-157,47	215,85
79	79	Shell-Thin	75	DEAD	LinStatic	-18,11	-23,59	88,9
79	79	Shell-Thin	93	DEAD	LinStatic	35,98	-12,78	88,09
79	79	Shell-Thin	94	DEAD	LinStatic	34,24	-21,47	88,5
79	79	Shell-Thin	76	DEAD	LinStatic	-19,85	-32,29	89,31
79	79	Shell-Thin	75	STERR	LinStatic	1,428E-13	2,409E-13	-6,692E-13
79	79	Shell-Thin	93	STERR	LinStatic	-5,505E-13	1,023E-13	-6,145E-13
79	79	Shell-Thin	94	STERR	LinStatic	-5,214E-13	2,48E-13	-6,903E-13
79	79	Shell-Thin	76	STERR	LinStatic	1,719E-13	3,866E-13	-7,45E-13
79	79	Shell-Thin	75	SSOVRdx	LinStatic	2,23	0,74	-0,47
79	79	Shell-Thin	93	SSOVRdx	LinStatic	5,32	1,35	-0,86
79	79	Shell-Thin	94	SSOVRdx	LinStatic	5,24	1	-0,71
79	79	Shell-Thin	76	SSOVRdx	LinStatic	2,16	0,38	-0,32
79	79	Shell-Thin	75	SSOVRsx	LinStatic	-2,23	-0,74	0,47
79	79	Shell-Thin	93	SSOVRsx	LinStatic	-5,32	-1,35	0,86
79	79	Shell-Thin	94	SSOVRsx	LinStatic	-5,24	-1	0,71
79	79	Shell-Thin	76	SSOVRsx	LinStatic	-2,16	-0,38	0,32
79	79	Shell-Thin	75	SW2	LinStatic	-41,21	-154,45	211,32
79	79	Shell-Thin	93	SW2	LinStatic	112,77	-123,66	219,88
79	79	Shell-Thin	94	SW2	LinStatic	106,31	-155,94	224,75
79	79	Shell-Thin	76	SW2	LinStatic	-47,67	-186,74	216,19
80	80	Shell-Thin	76	DEAD	LinStatic	-19,15	-32,15	87,86
80	80	Shell-Thin	94	DEAD	LinStatic	32,79	-21,76	83,16
80	80	Shell-Thin	95	DEAD	LinStatic	30,83	-31,6	77,48
80	80	Shell-Thin	77	DEAD	LinStatic	-21,12	-41,99	82,18
80	80	Shell-Thin	76	STERR	LinStatic	1,35E-13	3,792E-13	-7,289E-13
80	80	Shell-Thin	94	STERR	LinStatic	-4,696E-13	2,583E-13	-6,906E-13
80	80	Shell-Thin	95	STERR	LinStatic	-4,448E-13	3,824E-13	-6,596E-13
80	80	Shell-Thin	77	STERR	LinStatic	1,598E-13	5,033E-13	-6,979E-13
80	80	Shell-Thin	76	SSOVRdx	LinStatic	1,92	0,33	-0,45
80	80	Shell-Thin	94	SSOVRdx	LinStatic	5,09	0,97	-0,64
80	80	Shell-Thin	95	SSOVRdx	LinStatic	5,08	0,91	-0,76
80	80	Shell-Thin	77	SSOVRdx	LinStatic	1,91	0,28	-0,58
80	80	Shell-Thin	76	SSOVRsx	LinStatic	-1,92	-0,33	0,45
80	80	Shell-Thin	94	SSOVRsx	LinStatic	-5,09	-0,97	0,64
80	80	Shell-Thin	95	SSOVRsx	LinStatic	-5,08	-0,91	0,76
80	80	Shell-Thin	77	SSOVRsx	LinStatic	-1,91	-0,28	0,58
80	80	Shell-Thin	76	SW2	LinStatic	-38,71	-184,95	218,26
80	80	Shell-Thin	94	SW2	LinStatic	106,34	-155,93	199,23
80	80	Shell-Thin	95	SW2	LinStatic	99,35	-190,91	187,84
80	80	Shell-Thin	77	SW2	LinStatic	-45,7	-219,92	206,87
81	81	Shell-Thin	77	DEAD	LinStatic	-23,08	-42,38	76,61
81	81	Shell-Thin	95	DEAD	LinStatic	23,55	-33,06	72,35
81	81	Shell-Thin	96	DEAD	LinStatic	20,26	-49,52	67,53
81	81	Shell-Thin	78	DEAD	LinStatic	-26,37	-58,84	71,79
81	81	Shell-Thin	77	STERR	LinStatic	2,034E-13	5,121E-13	-7,126E-13
81	81	Shell-Thin	95	STERR	LinStatic	-4,414E-13	3,831E-13	-6,662E-13
81	81	Shell-Thin	96	STERR	LinStatic	-3,701E-13	7,396E-13	-6,962E-13
81	81	Shell-Thin	78	STERR	LinStatic	2,747E-13	8,686E-13	-7,427E-13
81	81	Shell-Thin	77	SSOVRdx	LinStatic	1,15	0,12	-0,46
81	81	Shell-Thin	95	SSOVRdx	LinStatic	4,14	0,72	-0,93
81	81	Shell-Thin	96	SSOVRdx	LinStatic	4,06	0,31	-0,65
81	81	Shell-Thin	78	SSOVRdx	LinStatic	1,06	-0,29	-0,18
81	81	Shell-Thin	77	SSOVRsx	LinStatic	-1,15	-0,12	0,46
81	81	Shell-Thin	95	SSOVRsx	LinStatic	-4,14	-0,72	0,93
81	81	Shell-Thin	96	SSOVRsx	LinStatic	-4,06	-0,31	0,65
81	81	Shell-Thin	78	SSOVRsx	LinStatic	-1,06	0,29	0,18

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
81	81	Shell-Thin	77	SW2	LinStatic	-41,49	-219,07	191,8
81	81	Shell-Thin	95	SW2	LinStatic	72,48	-196,28	178,41
81	81	Shell-Thin	96	SW2	LinStatic	66,23	-227,53	165,01
81	81	Shell-Thin	78	SW2	LinStatic	-47,74	-250,32	178,4
82	82	Shell-Thin	78	DEAD	LinStatic	-34,31	-60,43	65,76
82	82	Shell-Thin	96	DEAD	LinStatic	9,19	-51,73	61,58
82	82	Shell-Thin	97	DEAD	LinStatic	7,39	-60,72	57,04
82	82	Shell-Thin	79	DEAD	LinStatic	-36,11	-69,42	61,22
82	82	Shell-Thin	78	STERR	LinStatic	2,808E-13	8,698E-13	-7,572E-13
82	82	Shell-Thin	96	STERR	LinStatic	-3,377E-13	7,461E-13	-7,307E-13
82	82	Shell-Thin	97	STERR	LinStatic	-2,784E-13	1,042E-12	-6,584E-13
82	82	Shell-Thin	79	STERR	LinStatic	3,401E-13	1,166E-12	-6,849E-13
82	82	Shell-Thin	78	SSOVRdx	LinStatic	0,09671	-0,49	0,16
82	82	Shell-Thin	96	SSOVRdx	LinStatic	2,55	0,003816	-0,38
82	82	Shell-Thin	97	SSOVRdx	LinStatic	2,41	-0,69	-0,44
82	82	Shell-Thin	79	SSOVRdx	LinStatic	-0,04148	-1,18	0,09788
82	82	Shell-Thin	78	SSOVRsx	LinStatic	-0,09671	0,49	-0,16
82	82	Shell-Thin	96	SSOVRsx	LinStatic	-2,55	-0,003816	0,38
82	82	Shell-Thin	97	SSOVRsx	LinStatic	-2,41	0,69	0,44
82	82	Shell-Thin	79	SSOVRsx	LinStatic	0,04148	1,18	-0,09788
82	82	Shell-Thin	78	SW2	LinStatic	-63,56	-253,48	165,57
82	82	Shell-Thin	96	SW2	LinStatic	50,47	-230,68	164,6
82	82	Shell-Thin	97	SW2	LinStatic	49,3	-236,5	154,51
82	82	Shell-Thin	79	SW2	LinStatic	-64,72	-259,31	155,48
83	83	Shell-Thin	79	DEAD	LinStatic	-45,64	-71,33	59,17
83	83	Shell-Thin	97	DEAD	LinStatic	-0,09769	-62,22	55,1
83	83	Shell-Thin	98	DEAD	LinStatic	0,79	-57,8	53,16
83	83	Shell-Thin	80	DEAD	LinStatic	-44,76	-66,91	57,22
83	83	Shell-Thin	79	STERR	LinStatic	4,819E-13	1,194E-12	-6,141E-13
83	83	Shell-Thin	97	STERR	LinStatic	-3,652E-13	1,025E-12	-6,642E-13
83	83	Shell-Thin	98	STERR	LinStatic	-3,899E-13	9,014E-13	-7,129E-13
83	83	Shell-Thin	80	STERR	LinStatic	4,572E-13	1,071E-12	-6,628E-13
83	83	Shell-Thin	79	SSOVRdx	LinStatic	-1,09	-1,39	0,29
83	83	Shell-Thin	97	SSOVRdx	LinStatic	1,43	-0,88	0,005626
83	83	Shell-Thin	98	SSOVRdx	LinStatic	1,43	-0,91	0,75
83	83	Shell-Thin	80	SSOVRdx	LinStatic	-1,09	-1,41	1,04
83	83	Shell-Thin	79	SSOVRsx	LinStatic	1,09	1,39	-0,29
83	83	Shell-Thin	97	SSOVRsx	LinStatic	-1,43	0,88	-0,005626
83	83	Shell-Thin	98	SSOVRsx	LinStatic	-1,43	0,91	-0,75
83	83	Shell-Thin	80	SSOVRsx	LinStatic	1,09	1,41	-1,04
83	83	Shell-Thin	79	SW2	LinStatic	-85,58	-263,48	145,9
83	83	Shell-Thin	97	SW2	LinStatic	50,47	-236,27	148,48
83	83	Shell-Thin	98	SW2	LinStatic	57,55	-200,9	135,41
83	83	Shell-Thin	80	SW2	LinStatic	-78,51	-228,12	132,83
84	84	Shell-Thin	80	DEAD	LinStatic	-62,78	-70,52	58,45
84	84	Shell-Thin	98	DEAD	LinStatic	-2,22	-58,4	50,18
84	84	Shell-Thin	99	DEAD	LinStatic	0,76	-43,48	45,77
84	84	Shell-Thin	81	DEAD	LinStatic	-59,8	-55,59	54,04
84	84	Shell-Thin	80	STERR	LinStatic	7,412E-13	1,128E-12	-7,708E-13
84	84	Shell-Thin	98	STERR	LinStatic	-3,497E-13	9,095E-13	-5,51E-13
84	84	Shell-Thin	99	STERR	LinStatic	-4,162E-13	5,767E-13	-4,217E-13
84	84	Shell-Thin	81	STERR	LinStatic	6,747E-13	7,949E-13	-6,416E-13
84	84	Shell-Thin	80	SSOVRdx	LinStatic	-2,17	-1,63	1,45
84	84	Shell-Thin	98	SSOVRdx	LinStatic	1,3	-0,94	0,7
84	84	Shell-Thin	99	SSOVRdx	LinStatic	1,27	-1,12	0,46
84	84	Shell-Thin	81	SSOVRdx	LinStatic	-2,2	-1,81	1,21
84	84	Shell-Thin	80	SSOVRsx	LinStatic	2,17	1,63	-1,45
84	84	Shell-Thin	98	SSOVRsx	LinStatic	-1,3	0,94	-0,7
84	84	Shell-Thin	99	SSOVRsx	LinStatic	-1,27	1,12	-0,46
84	84	Shell-Thin	81	SSOVRsx	LinStatic	2,2	1,81	-1,21
84	84	Shell-Thin	80	SW2	LinStatic	-136	-239,61	137,89
84	84	Shell-Thin	98	SW2	LinStatic	57,53	-200,91	112,47
84	84	Shell-Thin	99	SW2	LinStatic	76,03	-108,42	99,85
84	84	Shell-Thin	81	SW2	LinStatic	-117,5	-147,13	125,27
85	85	Shell-Thin	82	DEAD	LinStatic	-17,01	-3,4	71,63
85	85	Shell-Thin	101	DEAD	LinStatic	36,42	7,28	70,74
85	85	Shell-Thin	102	DEAD	LinStatic	35	0,18	127,91
85	85	Shell-Thin	83	DEAD	LinStatic	-18,43	-10,51	128,8
85	85	Shell-Thin	82	STERR	LinStatic	-7,426E-14	-1,485E-14	3,751E-13
85	85	Shell-Thin	101	STERR	LinStatic	5,589E-13	1,118E-13	3,25E-13

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
85	85	Shell-Thin	102	STERR	LinStatic	5,434E-13	3,463E-14	6,38E-13
85	85	Shell-Thin	83	STERR	LinStatic	-8,968E-14	-9,199E-14	6,88E-13
85	85	Shell-Thin	82	SSOVRdx	LinStatic	-2,79	-0,56	0,52
85	85	Shell-Thin	101	SSOVRdx	LinStatic	-5,95	-1,19	0,9
85	85	Shell-Thin	102	SSOVRdx	LinStatic	-6,04	-1,64	1,34
85	85	Shell-Thin	83	SSOVRdx	LinStatic	-2,87	-1	0,97
85	85	Shell-Thin	82	SSOVRsx	LinStatic	2,79	0,56	-0,52
85	85	Shell-Thin	101	SSOVRsx	LinStatic	5,95	1,19	-0,9
85	85	Shell-Thin	102	SSOVRsx	LinStatic	6,04	1,64	-1,34
85	85	Shell-Thin	83	SSOVRsx	LinStatic	2,87	1	-0,97
85	85	Shell-Thin	82	SW2	LinStatic	-54,41	-10,88	152,38
85	85	Shell-Thin	101	SW2	LinStatic	66,29	13,26	164,9
85	85	Shell-Thin	102	SW2	LinStatic	49,7	-69,71	293,88
85	85	Shell-Thin	83	SW2	LinStatic	-71	-93,85	281,35
86	86	Shell-Thin	83	DEAD	LinStatic	-17,97	-10,42	102,96
86	86	Shell-Thin	102	DEAD	LinStatic	36,84	0,55	102,37
86	86	Shell-Thin	103	DEAD	LinStatic	34,1	-13,15	89,61
86	86	Shell-Thin	84	DEAD	LinStatic	-20,71	-24,11	90,2
86	86	Shell-Thin	83	STERR	LinStatic	-9,278E-14	-9,261E-14	5,95E-13
86	86	Shell-Thin	102	STERR	LinStatic	5,516E-13	3,628E-14	6,217E-13
86	86	Shell-Thin	103	STERR	LinStatic	5,261E-13	-9,16E-14	5,866E-13
86	86	Shell-Thin	84	STERR	LinStatic	-1,184E-13	-2,205E-13	5,599E-13
86	86	Shell-Thin	83	SSOVRdx	LinStatic	-2,45	-0,92	0,73
86	86	Shell-Thin	102	SSOVRdx	LinStatic	-5,68	-1,56	0,78
86	86	Shell-Thin	103	SSOVRdx	LinStatic	-5,65	-1,42	0,65
86	86	Shell-Thin	84	SSOVRdx	LinStatic	-2,43	-0,78	0,59
86	86	Shell-Thin	83	SSOVRsx	LinStatic	2,45	0,92	-0,73
86	86	Shell-Thin	102	SSOVRsx	LinStatic	5,68	1,56	-0,78
86	86	Shell-Thin	103	SSOVRsx	LinStatic	5,65	1,42	-0,65
86	86	Shell-Thin	84	SSOVRsx	LinStatic	2,43	0,78	-0,59
86	86	Shell-Thin	83	SW2	LinStatic	-42,41	-88,13	239,19
86	86	Shell-Thin	102	SW2	LinStatic	94,02	-60,85	249,23
86	86	Shell-Thin	103	SW2	LinStatic	80,15	-130,18	225,9
86	86	Shell-Thin	84	SW2	LinStatic	-56,28	-157,47	215,85
87	87	Shell-Thin	84	DEAD	LinStatic	-18,11	-23,59	88,9
87	87	Shell-Thin	103	DEAD	LinStatic	35,98	-12,78	88,09
87	87	Shell-Thin	104	DEAD	LinStatic	34,24	-21,47	88,5
87	87	Shell-Thin	85	DEAD	LinStatic	-19,85	-32,29	89,31
87	87	Shell-Thin	84	STERR	LinStatic	-1,103E-13	-2,189E-13	6,055E-13
87	87	Shell-Thin	103	STERR	LinStatic	5,457E-13	-8,767E-14	5,515E-13
87	87	Shell-Thin	104	STERR	LinStatic	5,183E-13	-2,249E-13	6,237E-13
87	87	Shell-Thin	85	STERR	LinStatic	-1,378E-13	-3,561E-13	6,777E-13
87	87	Shell-Thin	84	SSOVRdx	LinStatic	-2,23	-0,74	0,47
87	87	Shell-Thin	103	SSOVRdx	LinStatic	-5,32	-1,35	0,86
87	87	Shell-Thin	104	SSOVRdx	LinStatic	-5,24	-1	0,71
87	87	Shell-Thin	85	SSOVRdx	LinStatic	-2,16	-0,38	0,32
87	87	Shell-Thin	84	SSOVRsx	LinStatic	2,23	0,74	-0,47
87	87	Shell-Thin	103	SSOVRsx	LinStatic	5,32	1,35	-0,86
87	87	Shell-Thin	104	SSOVRsx	LinStatic	5,24	1	-0,71
87	87	Shell-Thin	85	SSOVRsx	LinStatic	2,16	0,38	-0,32
87	87	Shell-Thin	84	SW2	LinStatic	-41,21	-154,45	211,32
87	87	Shell-Thin	103	SW2	LinStatic	112,77	-123,66	219,88
87	87	Shell-Thin	104	SW2	LinStatic	106,31	-155,94	224,75
87	87	Shell-Thin	85	SW2	LinStatic	-47,67	-186,74	216,19
88	88	Shell-Thin	85	DEAD	LinStatic	-19,15	-32,15	87,86
88	88	Shell-Thin	104	DEAD	LinStatic	32,79	-21,76	83,16
88	88	Shell-Thin	105	DEAD	LinStatic	30,83	-31,6	77,48
88	88	Shell-Thin	86	DEAD	LinStatic	-21,12	-41,99	82,18
88	88	Shell-Thin	85	STERR	LinStatic	-1,044E-13	-3,495E-13	6,599E-13
88	88	Shell-Thin	104	STERR	LinStatic	4,689E-13	-2,348E-13	6,249E-13
88	88	Shell-Thin	105	STERR	LinStatic	4,469E-13	-3,449E-13	5,916E-13
88	88	Shell-Thin	86	STERR	LinStatic	-1,264E-13	-4,596E-13	6,265E-13
88	88	Shell-Thin	85	SSOVRdx	LinStatic	-1,92	-0,33	0,45
88	88	Shell-Thin	104	SSOVRdx	LinStatic	-5,09	-0,97	0,64
88	88	Shell-Thin	105	SSOVRdx	LinStatic	-5,08	-0,91	0,76
88	88	Shell-Thin	86	SSOVRdx	LinStatic	-1,91	-0,28	0,58
88	88	Shell-Thin	85	SSOVRsx	LinStatic	1,92	0,33	-0,45
88	88	Shell-Thin	104	SSOVRsx	LinStatic	5,09	0,97	-0,64
88	88	Shell-Thin	105	SSOVRsx	LinStatic	5,08	0,91	-0,76
88	88	Shell-Thin	86	SSOVRsx	LinStatic	1,91	0,28	-0,58

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
88	88	Shell-Thin	85	SW2	LinStatic	-38,71	-184,95	218,26
88	88	Shell-Thin	104	SW2	LinStatic	106,34	-155,93	199,23
88	88	Shell-Thin	105	SW2	LinStatic	99,35	-190,91	187,84
88	88	Shell-Thin	86	SW2	LinStatic	-45,7	-219,92	206,87
89	89	Shell-Thin	86	DEAD	LinStatic	-23,08	-42,38	76,61
89	89	Shell-Thin	105	DEAD	LinStatic	23,55	-33,06	72,35
89	89	Shell-Thin	106	DEAD	LinStatic	20,26	-49,52	67,53
89	89	Shell-Thin	87	DEAD	LinStatic	-26,37	-58,84	71,79
89	89	Shell-Thin	86	STERR	LinStatic	-1,745E-13	-4,692E-13	6,404E-13
89	89	Shell-Thin	105	STERR	LinStatic	4,352E-13	-3,473E-13	5,928E-13
89	89	Shell-Thin	106	STERR	LinStatic	3,708E-13	-6,69E-13	6,262E-13
89	89	Shell-Thin	87	STERR	LinStatic	-2,389E-13	-7,909E-13	6,738E-13
89	89	Shell-Thin	86	SSOVRdx	LinStatic	-1,15	-0,12	0,46
89	89	Shell-Thin	105	SSOVRdx	LinStatic	-4,14	-0,72	0,93
89	89	Shell-Thin	106	SSOVRdx	LinStatic	-4,06	-0,31	0,65
89	89	Shell-Thin	87	SSOVRdx	LinStatic	-1,06	0,29	0,18
89	89	Shell-Thin	86	SSOVRsx	LinStatic	1,15	0,12	-0,46
89	89	Shell-Thin	105	SSOVRsx	LinStatic	4,14	0,72	-0,93
89	89	Shell-Thin	106	SSOVRsx	LinStatic	4,06	0,31	-0,65
89	89	Shell-Thin	87	SSOVRsx	LinStatic	1,06	-0,29	-0,18
89	89	Shell-Thin	86	SW2	LinStatic	-41,49	-219,07	191,8
89	89	Shell-Thin	105	SW2	LinStatic	72,48	-196,28	178,41
89	89	Shell-Thin	106	SW2	LinStatic	66,23	-227,53	165,01
89	89	Shell-Thin	87	SW2	LinStatic	-47,74	-250,32	178,4
90	90	Shell-Thin	87	DEAD	LinStatic	-34,31	-60,43	65,76
90	90	Shell-Thin	106	DEAD	LinStatic	9,19	-51,73	61,58
90	90	Shell-Thin	107	DEAD	LinStatic	7,39	-60,72	57,04
90	90	Shell-Thin	88	DEAD	LinStatic	-36,11	-69,42	61,22
90	90	Shell-Thin	87	STERR	LinStatic	-2,513E-13	-7,934E-13	6,928E-13
90	90	Shell-Thin	106	STERR	LinStatic	3,255E-13	-6,781E-13	6,6E-13
90	90	Shell-Thin	107	STERR	LinStatic	2,739E-13	-9,358E-13	5,918E-13
90	90	Shell-Thin	88	STERR	LinStatic	-3,028E-13	-1,051E-12	6,246E-13
90	90	Shell-Thin	87	SSOVRdx	LinStatic	-0,09671	0,49	-0,16
90	90	Shell-Thin	106	SSOVRdx	LinStatic	-2,55	-0,003816	0,38
90	90	Shell-Thin	107	SSOVRdx	LinStatic	-2,41	0,69	0,44
90	90	Shell-Thin	88	SSOVRdx	LinStatic	0,04148	1,18	-0,09788
90	90	Shell-Thin	87	SSOVRsx	LinStatic	0,09671	-0,49	0,16
90	90	Shell-Thin	106	SSOVRsx	LinStatic	2,55	0,003816	-0,38
90	90	Shell-Thin	107	SSOVRsx	LinStatic	2,41	-0,69	-0,44
90	90	Shell-Thin	88	SSOVRsx	LinStatic	-0,04148	-1,18	0,09788
90	90	Shell-Thin	87	SW2	LinStatic	-63,56	-253,48	165,57
90	90	Shell-Thin	106	SW2	LinStatic	50,47	-230,68	164,6
90	90	Shell-Thin	107	SW2	LinStatic	49,3	-236,5	154,51
90	90	Shell-Thin	88	SW2	LinStatic	-64,72	-259,31	155,48
91	91	Shell-Thin	88	DEAD	LinStatic	-45,64	-71,33	59,17
91	91	Shell-Thin	107	DEAD	LinStatic	-0,09769	-62,22	55,1
91	91	Shell-Thin	108	DEAD	LinStatic	0,79	-57,8	53,16
91	91	Shell-Thin	89	DEAD	LinStatic	-44,76	-66,91	57,22
91	91	Shell-Thin	88	STERR	LinStatic	-4,469E-13	-1,08E-12	5,508E-13
91	91	Shell-Thin	107	STERR	LinStatic	3,474E-13	-9,211E-13	6,021E-13
91	91	Shell-Thin	108	STERR	LinStatic	3,688E-13	-8,142E-13	6,5E-13
91	91	Shell-Thin	89	STERR	LinStatic	-4,255E-13	-9,731E-13	5,987E-13
91	91	Shell-Thin	88	SSOVRdx	LinStatic	1,09	1,39	-0,29
91	91	Shell-Thin	107	SSOVRdx	LinStatic	-1,43	0,88	-0,005626
91	91	Shell-Thin	108	SSOVRdx	LinStatic	-1,43	0,91	-0,75
91	91	Shell-Thin	89	SSOVRdx	LinStatic	1,09	1,41	-1,04
91	91	Shell-Thin	88	SSOVRsx	LinStatic	-1,09	-1,39	0,29
91	91	Shell-Thin	107	SSOVRsx	LinStatic	1,43	-0,88	0,005626
91	91	Shell-Thin	108	SSOVRsx	LinStatic	1,43	-0,91	0,75
91	91	Shell-Thin	89	SSOVRsx	LinStatic	-1,09	-1,41	1,04
91	91	Shell-Thin	88	SW2	LinStatic	-85,58	-263,48	145,9
91	91	Shell-Thin	107	SW2	LinStatic	50,47	-236,27	148,48
91	91	Shell-Thin	108	SW2	LinStatic	57,55	-200,9	135,41
91	91	Shell-Thin	89	SW2	LinStatic	-78,51	-228,12	132,83
92	92	Shell-Thin	89	DEAD	LinStatic	-62,78	-70,52	58,45
92	92	Shell-Thin	108	DEAD	LinStatic	-2,22	-58,4	50,18
92	92	Shell-Thin	109	DEAD	LinStatic	0,76	-43,48	45,77
92	92	Shell-Thin	90	DEAD	LinStatic	-59,8	-55,59	54,04
92	92	Shell-Thin	89	STERR	LinStatic	-6,854E-13	-1,025E-12	7,088E-13
92	92	Shell-Thin	108	STERR	LinStatic	3,219E-13	-8,236E-13	4,99E-13

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
92	92	Shell-Thin	109	STERR	LinStatic	3,807E-13	-5,296E-13	3,795E-13
92	92	Shell-Thin	90	STERR	LinStatic	-6,266E-13	-7,31E-13	5,893E-13
92	92	Shell-Thin	89	SSOVRdx	LinStatic	2,17	1,63	-1,45
92	92	Shell-Thin	108	SSOVRdx	LinStatic	-1,3	0,94	-0,7
92	92	Shell-Thin	109	SSOVRdx	LinStatic	-1,27	1,12	-0,46
92	92	Shell-Thin	90	SSOVRdx	LinStatic	2,2	1,81	-1,21
92	92	Shell-Thin	89	SSOVRsx	LinStatic	-2,17	-1,63	1,45
92	92	Shell-Thin	108	SSOVRsx	LinStatic	1,3	-0,94	0,7
92	92	Shell-Thin	109	SSOVRsx	LinStatic	1,27	-1,12	0,46
92	92	Shell-Thin	90	SSOVRsx	LinStatic	-2,2	-1,81	1,21
92	92	Shell-Thin	89	SW2	LinStatic	-136	-239,61	137,89
92	92	Shell-Thin	108	SW2	LinStatic	57,53	-200,91	112,47
92	92	Shell-Thin	109	SW2	LinStatic	76,03	-108,42	99,85
92	92	Shell-Thin	90	SW2	LinStatic	-117,5	-147,13	125,27
93	93	Shell-Thin	91	DEAD	LinStatic	36,42	7,28	70,74
93	93	Shell-Thin	111	DEAD	LinStatic	111,92	22,38	69,73
93	93	Shell-Thin	112	DEAD	LinStatic	109,98	12,66	125,65
93	93	Shell-Thin	92	DEAD	LinStatic	34,47	-2,44	126,66
93	93	Shell-Thin	91	STERR	LinStatic	-5,655E-13	-1,131E-13	-3,609E-13
93	93	Shell-Thin	111	STERR	LinStatic	-1,509E-12	-3,018E-13	-4,193E-13
93	93	Shell-Thin	112	STERR	LinStatic	-1,48E-12	-1,552E-13	-7,273E-13
93	93	Shell-Thin	92	STERR	LinStatic	-5,362E-13	3,352E-14	-6,689E-13
93	93	Shell-Thin	91	SSOVRdx	LinStatic	5,95	1,19	-0,9
93	93	Shell-Thin	111	SSOVRdx	LinStatic	10,62	2,12	-0,84
93	93	Shell-Thin	112	SSOVRdx	LinStatic	10,57	1,89	-1,69
93	93	Shell-Thin	92	SSOVRdx	LinStatic	5,9	0,95	-1,74
93	93	Shell-Thin	91	SSOVRsx	LinStatic	-5,95	-1,19	0,9
93	93	Shell-Thin	111	SSOVRsx	LinStatic	-10,62	-2,12	0,84
93	93	Shell-Thin	112	SSOVRsx	LinStatic	-10,57	-1,89	1,69
93	93	Shell-Thin	92	SSOVRsx	LinStatic	-5,9	-0,95	1,74
93	93	Shell-Thin	91	SW2	LinStatic	66,29	13,26	164,9
93	93	Shell-Thin	111	SW2	LinStatic	233,88	46,78	181,99
93	93	Shell-Thin	112	SW2	LinStatic	214,74	-48,94	328,12
93	93	Shell-Thin	92	SW2	LinStatic	47,15	-82,45	311,04
94	94	Shell-Thin	92	DEAD	LinStatic	36,32	-2,07	101,12
94	94	Shell-Thin	112	DEAD	LinStatic	111,16	12,9	102,38
94	94	Shell-Thin	113	DEAD	LinStatic	106,28	-11,49	89,4
94	94	Shell-Thin	93	DEAD	LinStatic	31,44	-26,46	88,14
94	94	Shell-Thin	92	STERR	LinStatic	-5,451E-13	3,175E-14	-6,47E-13
94	94	Shell-Thin	112	STERR	LinStatic	-1,537E-12	-1,666E-13	-5,871E-13
94	94	Shell-Thin	113	STERR	LinStatic	-1,472E-12	1,556E-13	-6,134E-13
94	94	Shell-Thin	93	STERR	LinStatic	-4,806E-13	3,54E-13	-6,733E-13
94	94	Shell-Thin	92	SSOVRdx	LinStatic	5,54	0,88	-1,19
94	94	Shell-Thin	112	SSOVRdx	LinStatic	9,8	1,73	-1,83
94	94	Shell-Thin	113	SSOVRdx	LinStatic	9,76	1,51	-1,55
94	94	Shell-Thin	93	SSOVRdx	LinStatic	5,5	0,66	-0,91
94	94	Shell-Thin	92	SSOVRsx	LinStatic	-5,54	-0,88	1,19
94	94	Shell-Thin	112	SSOVRsx	LinStatic	-9,8	-1,73	1,83
94	94	Shell-Thin	113	SSOVRsx	LinStatic	-9,76	-1,51	1,55
94	94	Shell-Thin	93	SSOVRsx	LinStatic	-5,5	-0,66	0,91
94	94	Shell-Thin	92	SW2	LinStatic	91,47	-73,59	266,39
94	94	Shell-Thin	112	SW2	LinStatic	292,72	-33,34	293,34
94	94	Shell-Thin	113	SW2	LinStatic	259,67	-198,62	278,29
94	94	Shell-Thin	93	SW2	LinStatic	58,41	-238,87	251,35
95	95	Shell-Thin	93	DEAD	LinStatic	33,32	-26,08	86,62
95	95	Shell-Thin	113	DEAD	LinStatic	102,98	-12,15	81,82
95	95	Shell-Thin	114	DEAD	LinStatic	100,65	-23,81	77,5
95	95	Shell-Thin	94	DEAD	LinStatic	30,98	-37,75	82,3
95	95	Shell-Thin	93	STERR	LinStatic	-5,01E-13	3,499E-13	-6,401E-13
95	95	Shell-Thin	113	STERR	LinStatic	-1,424E-12	1,653E-13	-6,443E-13
95	95	Shell-Thin	114	STERR	LinStatic	-1,403E-12	2,695E-13	-5,157E-13
95	95	Shell-Thin	94	STERR	LinStatic	-4,802E-13	4,541E-13	-5,114E-13
95	95	Shell-Thin	93	SSOVRdx	LinStatic	5,16	0,6	-1,12
95	95	Shell-Thin	113	SSOVRdx	LinStatic	9,24	1,41	-1,08
95	95	Shell-Thin	114	SSOVRdx	LinStatic	9,19	1,15	-1,51
95	95	Shell-Thin	94	SSOVRdx	LinStatic	5,11	0,34	-1,56
95	95	Shell-Thin	93	SSOVRsx	LinStatic	-5,16	-0,6	1,12
95	95	Shell-Thin	113	SSOVRsx	LinStatic	-9,24	-1,41	1,08
95	95	Shell-Thin	114	SSOVRsx	LinStatic	-9,19	-1,15	1,51
95	95	Shell-Thin	94	SSOVRsx	LinStatic	-5,11	-0,34	1,56

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
95	95	Shell-Thin	93	SW2	LinStatic	91,03	-232,35	245,33
95	95	Shell-Thin	113	SW2	LinStatic	295,94	-191,37	227,07
95	95	Shell-Thin	114	SW2	LinStatic	284,63	-247,92	190,32
95	95	Shell-Thin	94	SW2	LinStatic	79,72	-288,9	208,59
96	96	Shell-Thin	94	DEAD	LinStatic	29,54	-38,04	76,96
96	96	Shell-Thin	114	DEAD	LinStatic	91,6	-25,62	73,79
96	96	Shell-Thin	115	DEAD	LinStatic	90,86	-29,35	64,33
96	96	Shell-Thin	95	DEAD	LinStatic	28,79	-41,76	67,5
96	96	Shell-Thin	94	STERR	LinStatic	-4,284E-13	4,644E-13	-5,117E-13
96	96	Shell-Thin	114	STERR	LinStatic	-1,332E-12	2,838E-13	-4,409E-13
96	96	Shell-Thin	115	STERR	LinStatic	-1,32E-12	3,44E-13	-5,215E-13
96	96	Shell-Thin	95	STERR	LinStatic	-4,163E-13	5,246E-13	-5,923E-13
96	96	Shell-Thin	94	SSOVRdx	LinStatic	4,96	0,31	-1,48
96	96	Shell-Thin	114	SSOVRdx	LinStatic	8,35	0,98	-1,59
96	96	Shell-Thin	115	SSOVRdx	LinStatic	8,24	0,41	-1,38
96	96	Shell-Thin	95	SSOVRdx	LinStatic	4,85	-0,27	-1,27
96	96	Shell-Thin	94	SSOVRsx	LinStatic	-4,96	-0,31	1,48
96	96	Shell-Thin	114	SSOVRsx	LinStatic	-8,35	-0,98	1,59
96	96	Shell-Thin	115	SSOVRsx	LinStatic	-8,24	-0,41	1,38
96	96	Shell-Thin	95	SSOVRsx	LinStatic	-4,85	0,27	1,27
96	96	Shell-Thin	94	SW2	LinStatic	79,75	-288,89	183,07
96	96	Shell-Thin	114	SW2	LinStatic	260,25	-252,8	183,65
96	96	Shell-Thin	115	SW2	LinStatic	262,34	-242,36	147,32
96	96	Shell-Thin	95	SW2	LinStatic	81,84	-278,46	146,75
97	97	Shell-Thin	95	DEAD	LinStatic	21,52	-43,22	62,36
97	97	Shell-Thin	115	DEAD	LinStatic	64,36	-34,65	54,88
97	97	Shell-Thin	116	DEAD	LinStatic	64,15	-35,7	51,3
97	97	Shell-Thin	96	DEAD	LinStatic	21,31	-44,27	58,78
97	97	Shell-Thin	95	STERR	LinStatic	-4,129E-13	5,253E-13	-5,989E-13
97	97	Shell-Thin	115	STERR	LinStatic	-8,575E-13	4,364E-13	-5,091E-13
97	97	Shell-Thin	116	STERR	LinStatic	-8,297E-13	5,754E-13	-4,992E-13
97	97	Shell-Thin	96	STERR	LinStatic	-3,851E-13	6,643E-13	-5,89E-13
97	97	Shell-Thin	95	SSOVRdx	LinStatic	3,91	-0,46	-1,43
97	97	Shell-Thin	115	SSOVRdx	LinStatic	7,67	0,3	-1,97
97	97	Shell-Thin	116	SSOVRdx	LinStatic	7,75	0,67	-2,27
97	97	Shell-Thin	96	SSOVRdx	LinStatic	3,98	-0,08259	-1,73
97	97	Shell-Thin	95	SSOVRsx	LinStatic	-3,91	0,46	1,43
97	97	Shell-Thin	115	SSOVRsx	LinStatic	-7,67	-0,3	1,97
97	97	Shell-Thin	116	SSOVRsx	LinStatic	-7,75	-0,67	2,27
97	97	Shell-Thin	96	SSOVRsx	LinStatic	-3,98	0,08259	1,73
97	97	Shell-Thin	95	SW2	LinStatic	54,97	-283,83	137,32
97	97	Shell-Thin	115	SW2	LinStatic	125,39	-269,75	100,23
97	97	Shell-Thin	116	SW2	LinStatic	142,61	-183,64	113,54
97	97	Shell-Thin	96	SW2	LinStatic	72,19	-197,72	150,62
98	98	Shell-Thin	96	DEAD	LinStatic	10,24	-46,48	52,84
98	98	Shell-Thin	116	DEAD	LinStatic	39,28	-40,67	50,34
98	98	Shell-Thin	117	DEAD	LinStatic	37,24	-50,88	48,07
98	98	Shell-Thin	97	DEAD	LinStatic	8,19	-56,69	50,56
98	98	Shell-Thin	96	STERR	LinStatic	-3,528E-13	6,708E-13	-6,235E-13
98	98	Shell-Thin	116	STERR	LinStatic	-7,935E-13	5,826E-13	-6,881E-13
98	98	Shell-Thin	117	STERR	LinStatic	-6,622E-13	1,239E-12	-8,141E-13
98	98	Shell-Thin	97	STERR	LinStatic	-2,214E-13	1,327E-12	-7,494E-13
98	98	Shell-Thin	96	SSOVRdx	LinStatic	2,47	-0,38	-1,46
98	98	Shell-Thin	116	SSOVRdx	LinStatic	5,1	0,14	-2,26
98	98	Shell-Thin	117	SSOVRdx	LinStatic	5,23	0,8	-1,83
98	98	Shell-Thin	97	SSOVRdx	LinStatic	2,61	0,28	-1,03
98	98	Shell-Thin	96	SSOVRsx	LinStatic	-2,47	0,38	1,46
98	98	Shell-Thin	116	SSOVRsx	LinStatic	-5,1	-0,14	2,26
98	98	Shell-Thin	117	SSOVRsx	LinStatic	-5,23	-0,8	1,83
98	98	Shell-Thin	97	SSOVRsx	LinStatic	-2,61	-0,28	1,03
98	98	Shell-Thin	96	SW2	LinStatic	56,43	-200,88	150,21
98	98	Shell-Thin	116	SW2	LinStatic	80,58	-196,05	169,12
98	98	Shell-Thin	117	SW2	LinStatic	60,56	-296,17	181,1
98	98	Shell-Thin	97	SW2	LinStatic	36,4	-301	162,18
99	99	Shell-Thin	97	DEAD	LinStatic	0,71	-58,19	48,62
99	99	Shell-Thin	117	DEAD	LinStatic	28,67	-52,59	42,37
99	99	Shell-Thin	118	DEAD	LinStatic	28,74	-52,26	39,58
99	99	Shell-Thin	98	DEAD	LinStatic	0,78	-57,85	45,83
99	99	Shell-Thin	97	STERR	LinStatic	-3,081E-13	1,31E-12	-7,552E-13
99	99	Shell-Thin	117	STERR	LinStatic	-7,149E-13	1,229E-12	-6,083E-13

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
99	99	Shell-Thin	118	STERR	LinStatic	-6,923E-13	1,342E-12	-3,865E-13
99	99	Shell-Thin	98	STERR	LinStatic	-2,856E-13	1,423E-12	-5,334E-13
99	99	Shell-Thin	97	SSOVRdx	LinStatic	1,63	0,0826	-0,58
99	99	Shell-Thin	117	SSOVRdx	LinStatic	3,92	0,54	-0,75
99	99	Shell-Thin	118	SSOVRdx	LinStatic	3,8	-0,06914	-0,83
99	99	Shell-Thin	98	SSOVRdx	LinStatic	1,5	-0,53	-0,66
99	99	Shell-Thin	97	SSOVRsx	LinStatic	-1,63	-0,0826	0,58
99	99	Shell-Thin	117	SSOVRsx	LinStatic	-3,92	-0,54	0,75
99	99	Shell-Thin	118	SSOVRsx	LinStatic	-3,8	0,06914	0,83
99	99	Shell-Thin	98	SSOVRsx	LinStatic	-1,5	0,53	0,66
99	99	Shell-Thin	97	SW2	LinStatic	37,57	-300,77	156,15
99	99	Shell-Thin	117	SW2	LinStatic	116,91	-284,9	136,12
99	99	Shell-Thin	118	SW2	LinStatic	115,57	-291,62	119,37
99	99	Shell-Thin	98	SW2	LinStatic	36,23	-307,48	139,39
100	100	Shell-Thin	98	DEAD	LinStatic	-2,23	-58,45	42,86
100	100	Shell-Thin	118	DEAD	LinStatic	18,98	-54,21	39,76
100	100	Shell-Thin	119	DEAD	LinStatic	19,68	-50,72	34,02
100	100	Shell-Thin	99	DEAD	LinStatic	-1,54	-54,97	37,12
100	100	Shell-Thin	98	STERR	LinStatic	-2,454E-13	1,431E-12	-3,715E-13
100	100	Shell-Thin	118	STERR	LinStatic	-5,958E-13	1,361E-12	-4,831E-13
100	100	Shell-Thin	119	STERR	LinStatic	-6,251E-13	1,215E-12	-3,945E-13
100	100	Shell-Thin	99	STERR	LinStatic	-2,746E-13	1,285E-12	-2,828E-13
100	100	Shell-Thin	98	SSOVRdx	LinStatic	1,38	-0,55	-0,71
100	100	Shell-Thin	118	SSOVRdx	LinStatic	2,57	-0,32	-0,68
100	100	Shell-Thin	119	SSOVRdx	LinStatic	2,53	-0,52	0,35
100	100	Shell-Thin	99	SSOVRdx	LinStatic	1,34	-0,76	0,32
100	100	Shell-Thin	98	SSOVRsx	LinStatic	-1,38	0,55	0,71
100	100	Shell-Thin	118	SSOVRsx	LinStatic	-2,57	0,32	0,68
100	100	Shell-Thin	119	SSOVRsx	LinStatic	-2,53	0,52	-0,35
100	100	Shell-Thin	99	SSOVRsx	LinStatic	-1,34	0,76	-0,32
100	100	Shell-Thin	98	SW2	LinStatic	36,22	-307,49	116,46
100	100	Shell-Thin	118	SW2	LinStatic	90,42	-296,65	122,91
100	100	Shell-Thin	119	SW2	LinStatic	95,68	-270,33	63,76
100	100	Shell-Thin	99	SW2	LinStatic	41,48	-281,17	57,3
101	101	Shell-Thin	99	DEAD	LinStatic	-29,48	-60,56	33,3
101	101	Shell-Thin	119	DEAD	LinStatic	9,35	-52,79	26,92
101	101	Shell-Thin	120	DEAD	LinStatic	17,05	-14,28	22,08
101	101	Shell-Thin	100	DEAD	LinStatic	-21,78	-22,04	28,46
101	101	Shell-Thin	99	STERR	LinStatic	1,729E-13	1,374E-12	-2,835E-13
101	101	Shell-Thin	119	STERR	LinStatic	-1,428E-13	1,311E-12	-2,192E-14
101	101	Shell-Thin	120	STERR	LinStatic	-4,125E-13	-3,702E-14	3,893E-14
101	101	Shell-Thin	100	STERR	LinStatic	-9,67E-14	2,613E-14	-2,226E-13
101	101	Shell-Thin	99	SSOVRdx	LinStatic	-0,35	-1,1	0,65
101	101	Shell-Thin	119	SSOVRdx	LinStatic	1,45	-0,74	-0,12
101	101	Shell-Thin	120	SSOVRdx	LinStatic	1,49	-0,53	-0,59
101	101	Shell-Thin	100	SSOVRdx	LinStatic	-0,31	-0,89	0,18
101	101	Shell-Thin	99	SSOVRsx	LinStatic	0,35	1,1	-0,65
101	101	Shell-Thin	119	SSOVRsx	LinStatic	-1,45	0,74	0,12
101	101	Shell-Thin	120	SSOVRsx	LinStatic	-1,49	0,53	0,59
101	101	Shell-Thin	100	SSOVRsx	LinStatic	0,31	0,89	-0,18
101	101	Shell-Thin	99	SW2	LinStatic	-37,99	-297,07	41,45
101	101	Shell-Thin	119	SW2	LinStatic	20,9	-285,29	8,06
101	101	Shell-Thin	120	SW2	LinStatic	81,93	19,84	14,96
101	101	Shell-Thin	100	SW2	LinStatic	23,03	8,06	48,34
102	102	Shell-Thin	101	DEAD	LinStatic	36,42	7,28	70,74
102	102	Shell-Thin	122	DEAD	LinStatic	111,92	22,38	69,73
102	102	Shell-Thin	123	DEAD	LinStatic	109,98	12,66	125,65
102	102	Shell-Thin	102	DEAD	LinStatic	34,47	-2,44	126,66
102	102	Shell-Thin	101	STERR	LinStatic	5,589E-13	1,118E-13	3,25E-13
102	102	Shell-Thin	122	STERR	LinStatic	1,446E-12	2,892E-13	3,827E-13
102	102	Shell-Thin	123	STERR	LinStatic	1,418E-12	1,498E-13	6,603E-13
102	102	Shell-Thin	102	STERR	LinStatic	5,31E-13	-2,766E-14	6,027E-13
102	102	Shell-Thin	101	SSOVRdx	LinStatic	-5,95	-1,19	0,9
102	102	Shell-Thin	122	SSOVRdx	LinStatic	-10,62	-2,12	0,84
102	102	Shell-Thin	123	SSOVRdx	LinStatic	-10,57	-1,89	1,69
102	102	Shell-Thin	102	SSOVRdx	LinStatic	-5,9	-0,95	1,74
102	102	Shell-Thin	101	SSOVRsx	LinStatic	5,95	1,19	-0,9
102	102	Shell-Thin	122	SSOVRsx	LinStatic	10,62	2,12	-0,84
102	102	Shell-Thin	123	SSOVRsx	LinStatic	10,57	1,89	-1,69
102	102	Shell-Thin	102	SSOVRsx	LinStatic	5,9	0,95	-1,74

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
102	102	Shell-Thin	101	SW2	LinStatic	66,29	13,26	164,9
102	102	Shell-Thin	122	SW2	LinStatic	233,88	46,78	181,99
102	102	Shell-Thin	123	SW2	LinStatic	214,74	-48,94	328,12
102	102	Shell-Thin	102	SW2	LinStatic	47,15	-82,45	311,04
103	103	Shell-Thin	102	DEAD	LinStatic	36,32	-2,07	101,12
103	103	Shell-Thin	123	DEAD	LinStatic	111,16	12,9	102,38
103	103	Shell-Thin	124	DEAD	LinStatic	106,28	-11,49	89,4
103	103	Shell-Thin	103	DEAD	LinStatic	31,44	-26,46	88,14
103	103	Shell-Thin	102	STERR	LinStatic	5,392E-13	-2,601E-14	5,864E-13
103	103	Shell-Thin	123	STERR	LinStatic	1,473E-12	1,607E-13	5,266E-13
103	103	Shell-Thin	124	STERR	LinStatic	1,412E-12	-1,436E-13	5,52E-13
103	103	Shell-Thin	103	STERR	LinStatic	4,783E-13	-3,304E-13	6,117E-13
103	103	Shell-Thin	102	SSOVRdx	LinStatic	-5,54	-0,88	1,19
103	103	Shell-Thin	123	SSOVRdx	LinStatic	-9,8	-1,73	1,83
103	103	Shell-Thin	124	SSOVRdx	LinStatic	-9,76	-1,51	1,55
103	103	Shell-Thin	103	SSOVRdx	LinStatic	-5,5	-0,66	0,91
103	103	Shell-Thin	102	SSOVRsx	LinStatic	5,54	0,88	-1,19
103	103	Shell-Thin	123	SSOVRsx	LinStatic	9,8	1,73	-1,83
103	103	Shell-Thin	124	SSOVRsx	LinStatic	9,76	1,51	-1,55
103	103	Shell-Thin	103	SSOVRsx	LinStatic	5,5	0,66	-0,91
103	103	Shell-Thin	102	SW2	LinStatic	91,47	-73,59	266,39
103	103	Shell-Thin	123	SW2	LinStatic	292,72	-33,34	293,34
103	103	Shell-Thin	124	SW2	LinStatic	259,67	-198,62	278,29
103	103	Shell-Thin	103	SW2	LinStatic	58,41	-238,87	251,35
104	104	Shell-Thin	103	DEAD	LinStatic	33,32	-26,08	86,62
104	104	Shell-Thin	124	DEAD	LinStatic	102,98	-12,15	81,82
104	104	Shell-Thin	125	DEAD	LinStatic	100,65	-23,81	77,5
104	104	Shell-Thin	104	DEAD	LinStatic	30,98	-37,75	82,3
104	104	Shell-Thin	103	STERR	LinStatic	4,98E-13	-3,264E-13	5,767E-13
104	104	Shell-Thin	124	STERR	LinStatic	1,367E-12	-1,526E-13	5,837E-13
104	104	Shell-Thin	125	STERR	LinStatic	1,348E-12	-2,481E-13	4,603E-13
104	104	Shell-Thin	104	STERR	LinStatic	4,789E-13	-4,22E-13	4,533E-13
104	104	Shell-Thin	103	SSOVRdx	LinStatic	-5,16	-0,6	1,12
104	104	Shell-Thin	124	SSOVRdx	LinStatic	-9,24	-1,41	1,08
104	104	Shell-Thin	125	SSOVRdx	LinStatic	-9,19	-1,15	1,51
104	104	Shell-Thin	104	SSOVRdx	LinStatic	-5,11	-0,34	1,56
104	104	Shell-Thin	103	SSOVRsx	LinStatic	5,16	0,6	-1,12
104	104	Shell-Thin	124	SSOVRsx	LinStatic	9,24	1,41	-1,08
104	104	Shell-Thin	125	SSOVRsx	LinStatic	9,19	1,15	-1,51
104	104	Shell-Thin	104	SSOVRsx	LinStatic	5,11	0,34	-1,56
104	104	Shell-Thin	103	SW2	LinStatic	91,03	-232,35	245,33
104	104	Shell-Thin	124	SW2	LinStatic	295,94	-191,37	227,07
104	104	Shell-Thin	125	SW2	LinStatic	284,63	-247,92	190,32
104	104	Shell-Thin	104	SW2	LinStatic	79,72	-288,9	208,59
105	105	Shell-Thin	104	DEAD	LinStatic	29,54	-38,04	76,96
105	105	Shell-Thin	125	DEAD	LinStatic	91,6	-25,62	73,79
105	105	Shell-Thin	126	DEAD	LinStatic	90,86	-29,35	64,33
105	105	Shell-Thin	105	DEAD	LinStatic	28,79	-41,76	67,5
105	105	Shell-Thin	104	STERR	LinStatic	4,295E-13	-4,318E-13	4,544E-13
105	105	Shell-Thin	125	STERR	LinStatic	1,281E-12	-2,615E-13	3,879E-13
105	105	Shell-Thin	126	STERR	LinStatic	1,27E-12	-3,197E-13	4,606E-13
105	105	Shell-Thin	105	STERR	LinStatic	4,178E-13	-4,901E-13	5,272E-13
105	105	Shell-Thin	104	SSOVRdx	LinStatic	-4,96	-0,31	1,48
105	105	Shell-Thin	125	SSOVRdx	LinStatic	-8,35	-0,98	1,59
105	105	Shell-Thin	126	SSOVRdx	LinStatic	-8,24	-0,41	1,38
105	105	Shell-Thin	105	SSOVRdx	LinStatic	-4,85	0,27	1,27
105	105	Shell-Thin	104	SSOVRsx	LinStatic	4,96	0,31	-1,48
105	105	Shell-Thin	125	SSOVRsx	LinStatic	8,35	0,98	-1,59
105	105	Shell-Thin	126	SSOVRsx	LinStatic	8,24	0,41	-1,38
105	105	Shell-Thin	105	SSOVRsx	LinStatic	4,85	-0,27	-1,27
105	105	Shell-Thin	104	SW2	LinStatic	79,75	-288,89	183,07
105	105	Shell-Thin	125	SW2	LinStatic	260,25	-252,8	183,65
105	105	Shell-Thin	126	SW2	LinStatic	262,34	-242,36	147,32
105	105	Shell-Thin	105	SW2	LinStatic	81,84	-278,46	146,75
106	106	Shell-Thin	105	DEAD	LinStatic	21,52	-43,22	62,36
106	106	Shell-Thin	126	DEAD	LinStatic	64,36	-34,65	54,88
106	106	Shell-Thin	127	DEAD	LinStatic	64,15	-35,7	51,3
106	106	Shell-Thin	106	DEAD	LinStatic	21,31	-44,27	58,78
106	106	Shell-Thin	105	STERR	LinStatic	4,061E-13	-4,924E-13	5,284E-13
106	106	Shell-Thin	126	STERR	LinStatic	8,41E-13	-4,054E-13	4,438E-13

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
106	106	Shell-Thin	127	STERR	LinStatic	8,182E-13	-5,197E-13	4,319E-13
106	106	Shell-Thin	106	STERR	LinStatic	3,833E-13	-6,067E-13	5,165E-13
106	106	Shell-Thin	105	SSOVRdx	LinStatic	-3,91	0,46	1,43
106	106	Shell-Thin	126	SSOVRdx	LinStatic	-7,67	-0,3	1,97
106	106	Shell-Thin	127	SSOVRdx	LinStatic	-7,75	-0,67	2,27
106	106	Shell-Thin	106	SSOVRdx	LinStatic	-3,98	0,08259	1,73
106	106	Shell-Thin	105	SSOVRsx	LinStatic	3,91	-0,46	-1,43
106	106	Shell-Thin	126	SSOVRsx	LinStatic	7,67	0,3	-1,97
106	106	Shell-Thin	127	SSOVRsx	LinStatic	7,75	0,67	-2,27
106	106	Shell-Thin	106	SSOVRsx	LinStatic	3,98	-0,08259	-1,73
106	106	Shell-Thin	105	SW2	LinStatic	54,97	-283,83	137,32
106	106	Shell-Thin	126	SW2	LinStatic	125,39	-269,75	100,23
106	106	Shell-Thin	127	SW2	LinStatic	142,61	-183,64	113,54
106	106	Shell-Thin	106	SW2	LinStatic	72,19	-197,72	150,62
107	107	Shell-Thin	106	DEAD	LinStatic	10,24	-46,48	52,84
107	107	Shell-Thin	127	DEAD	LinStatic	39,28	-40,67	50,34
107	107	Shell-Thin	128	DEAD	LinStatic	37,24	-50,88	48,07
107	107	Shell-Thin	107	DEAD	LinStatic	8,19	-56,69	50,56
107	107	Shell-Thin	106	STERR	LinStatic	3,38E-13	-6,157E-13	5,503E-13
107	107	Shell-Thin	127	STERR	LinStatic	7,651E-13	-5,303E-13	5,97E-13
107	107	Shell-Thin	128	STERR	LinStatic	6,506E-13	-1,103E-12	7,142E-13
107	107	Shell-Thin	107	STERR	LinStatic	2,234E-13	-1,188E-12	6,676E-13
107	107	Shell-Thin	106	SSOVRdx	LinStatic	-2,47	0,38	1,46
107	107	Shell-Thin	127	SSOVRdx	LinStatic	-5,1	-0,14	2,26
107	107	Shell-Thin	128	SSOVRdx	LinStatic	-5,23	-0,8	1,83
107	107	Shell-Thin	107	SSOVRdx	LinStatic	-2,61	-0,28	1,03
107	107	Shell-Thin	106	SSOVRsx	LinStatic	2,47	-0,38	-1,46
107	107	Shell-Thin	127	SSOVRsx	LinStatic	5,1	0,14	-2,26
107	107	Shell-Thin	128	SSOVRsx	LinStatic	5,23	0,8	-1,83
107	107	Shell-Thin	107	SSOVRsx	LinStatic	2,61	0,28	-1,03
107	107	Shell-Thin	106	SW2	LinStatic	56,43	-200,88	150,21
107	107	Shell-Thin	127	SW2	LinStatic	80,58	-196,05	169,12
107	107	Shell-Thin	128	SW2	LinStatic	60,56	-296,17	181,1
107	107	Shell-Thin	107	SW2	LinStatic	36,4	-301	162,18
108	108	Shell-Thin	107	DEAD	LinStatic	0,71	-58,19	48,62
108	108	Shell-Thin	128	DEAD	LinStatic	28,67	-52,59	42,37
108	108	Shell-Thin	129	DEAD	LinStatic	28,74	-52,26	39,58
108	108	Shell-Thin	108	DEAD	LinStatic	0,78	-57,85	45,83
108	108	Shell-Thin	107	STERR	LinStatic	2,969E-13	-1,174E-12	6,779E-13
108	108	Shell-Thin	128	STERR	LinStatic	6,535E-13	-1,102E-12	5,406E-13
108	108	Shell-Thin	129	STERR	LinStatic	6,321E-13	-1,209E-12	3,38E-13
108	108	Shell-Thin	108	STERR	LinStatic	2,755E-13	-1,281E-12	4,753E-13
108	108	Shell-Thin	107	SSOVRdx	LinStatic	-1,63	-0,0826	0,58
108	108	Shell-Thin	128	SSOVRdx	LinStatic	-3,92	-0,54	0,75
108	108	Shell-Thin	129	SSOVRdx	LinStatic	-3,8	0,06914	0,83
108	108	Shell-Thin	108	SSOVRdx	LinStatic	-1,5	0,53	0,66
108	108	Shell-Thin	107	SSOVRsx	LinStatic	1,63	0,0826	-0,58
108	108	Shell-Thin	128	SSOVRsx	LinStatic	3,92	0,54	-0,75
108	108	Shell-Thin	129	SSOVRsx	LinStatic	3,8	-0,06914	-0,83
108	108	Shell-Thin	108	SSOVRsx	LinStatic	1,5	-0,53	-0,66
108	108	Shell-Thin	107	SW2	LinStatic	37,57	-300,77	156,15
108	108	Shell-Thin	128	SW2	LinStatic	116,91	-284,9	136,12
108	108	Shell-Thin	129	SW2	LinStatic	115,57	-291,62	119,37
108	108	Shell-Thin	108	SW2	LinStatic	36,23	-307,48	139,39
109	109	Shell-Thin	108	DEAD	LinStatic	-2,23	-58,45	42,86
109	109	Shell-Thin	129	DEAD	LinStatic	18,98	-54,21	39,76
109	109	Shell-Thin	130	DEAD	LinStatic	19,68	-50,72	34,02
109	109	Shell-Thin	109	DEAD	LinStatic	-1,54	-54,97	37,12
109	109	Shell-Thin	108	STERR	LinStatic	2,286E-13	-1,29E-12	3,243E-13
109	109	Shell-Thin	129	STERR	LinStatic	5,755E-13	-1,221E-12	[illegible]
109	109	Shell-Thin	130	STERR	LinStatic	6,012E-13	-1,092E-12	3,67E-13
109	109	Shell-Thin	109	STERR	LinStatic	2,543E-13	-1,162E-12	2,577E-13
109	109	Shell-Thin	108	SSOVRdx	LinStatic	-1,38	0,55	0,71
109	109	Shell-Thin	129	SSOVRdx	LinStatic	-2,57	0,32	0,68
109	109	Shell-Thin	130	SSOVRdx	LinStatic	-2,53	0,52	-0,35
109	109	Shell-Thin	109	SSOVRdx	LinStatic	-1,34	0,76	-0,32
109	109	Shell-Thin	108	SSOVRsx	LinStatic	1,38	-0,55	-0,71
109	109	Shell-Thin	129	SSOVRsx	LinStatic	2,57	-0,32	-0,68
109	109	Shell-Thin	130	SSOVRsx	LinStatic	2,53	-0,52	0,35
109	109	Shell-Thin	109	SSOVRsx	LinStatic	1,34	-0,76	0,32

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
109	109	Shell-Thin	108	SW2	LinStatic	36,22	-307,49	116,46
109	109	Shell-Thin	129	SW2	LinStatic	90,42	-296,65	122,91
109	109	Shell-Thin	130	SW2	LinStatic	95,68	-270,33	63,76
109	109	Shell-Thin	109	SW2	LinStatic	41,48	-281,17	57,3
110	110	Shell-Thin	109	DEAD	LinStatic	-29,48	-60,56	33,3
110	110	Shell-Thin	130	DEAD	LinStatic	9,35	-52,79	26,92
110	110	Shell-Thin	131	DEAD	LinStatic	17,05	-14,28	22,08
110	110	Shell-Thin	110	DEAD	LinStatic	-21,78	-22,04	28,46
110	110	Shell-Thin	109	STERR	LinStatic	-1,594E-13	-1,244E-12	2,654E-13
110	110	Shell-Thin	130	STERR	LinStatic	1,474E-13	-1,183E-12	2,093E-14
110	110	Shell-Thin	131	STERR	LinStatic	3,896E-13	2,769E-14	-4,501E-14
110	110	Shell-Thin	110	STERR	LinStatic	8,271E-14	-3,368E-14	1,994E-13
110	110	Shell-Thin	109	SSOVRdx	LinStatic	0,35	1,1	-0,65
110	110	Shell-Thin	130	SSOVRdx	LinStatic	-1,45	0,74	0,12
110	110	Shell-Thin	131	SSOVRdx	LinStatic	-1,49	0,53	0,59
110	110	Shell-Thin	110	SSOVRdx	LinStatic	0,31	0,89	-0,18
110	110	Shell-Thin	109	SSOVRsx	LinStatic	-0,35	-1,1	0,65
110	110	Shell-Thin	130	SSOVRsx	LinStatic	1,45	-0,74	-0,12
110	110	Shell-Thin	131	SSOVRsx	LinStatic	1,49	-0,53	-0,59
110	110	Shell-Thin	110	SSOVRsx	LinStatic	-0,31	-0,89	0,18
110	110	Shell-Thin	109	SW2	LinStatic	-37,99	-297,07	41,45
110	110	Shell-Thin	130	SW2	LinStatic	20,9	-285,29	8,06
110	110	Shell-Thin	131	SW2	LinStatic	81,93	19,84	14,96
110	110	Shell-Thin	110	SW2	LinStatic	23,03	8,06	48,34
111	111	Shell-Thin	111	DEAD	LinStatic	111,92	22,38	69,73
111	111	Shell-Thin	133	DEAD	LinStatic	152,14	30,43	66,35
111	111	Shell-Thin	134	DEAD	LinStatic	149,94	19,39	116,78
111	111	Shell-Thin	112	DEAD	LinStatic	109,71	11,35	120,15
111	111	Shell-Thin	111	STERR	LinStatic	-1,509E-12	-3,018E-13	-4,193E-13
111	111	Shell-Thin	133	STERR	LinStatic	-1,994E-12	-3,987E-13	-2,605E-13
111	111	Shell-Thin	134	STERR	LinStatic	-1,945E-12	-1,58E-13	-5,9E-13
111	111	Shell-Thin	112	STERR	LinStatic	-1,461E-12	-6,106E-14	-7,489E-13
111	111	Shell-Thin	111	SSOVRdx	LinStatic	10,62	2,12	-0,84
111	111	Shell-Thin	133	SSOVRdx	LinStatic	12,5	2,5	-0,63
111	111	Shell-Thin	134	SSOVRdx	LinStatic	12,14	0,69	-1,62
111	111	Shell-Thin	112	SSOVRdx	LinStatic	10,26	0,31	-1,84
111	111	Shell-Thin	111	SSOVRsx	LinStatic	-10,62	-2,12	0,84
111	111	Shell-Thin	133	SSOVRsx	LinStatic	-12,5	-2,5	0,63
111	111	Shell-Thin	134	SSOVRsx	LinStatic	-12,14	-0,69	1,62
111	111	Shell-Thin	112	SSOVRsx	LinStatic	-10,26	-0,31	1,84
111	111	Shell-Thin	111	SW2	LinStatic	233,88	46,78	181,99
111	111	Shell-Thin	133	SW2	LinStatic	348,84	69,77	129,58
111	111	Shell-Thin	134	SW2	LinStatic	336,52	8,17	291,66
111	111	Shell-Thin	112	SW2	LinStatic	221,56	-14,82	344,06
112	112	Shell-Thin	112	DEAD	LinStatic	110,9	11,59	96,88
112	112	Shell-Thin	134	DEAD	LinStatic	137,67	16,94	96,26
112	112	Shell-Thin	135	DEAD	LinStatic	128,9	-26,89	87,55
112	112	Shell-Thin	113	DEAD	LinStatic	102,14	-32,24	88,17
112	112	Shell-Thin	112	STERR	LinStatic	-1,518E-12	-7,25E-14	-6,087E-13
112	112	Shell-Thin	134	STERR	LinStatic	-1,88E-12	-1,45E-13	-7,466E-13
112	112	Shell-Thin	135	STERR	LinStatic	-1,789E-12	3,134E-13	-6,04E-13
112	112	Shell-Thin	113	STERR	LinStatic	-1,426E-12	3,859E-13	-4,661E-13
112	112	Shell-Thin	112	SSOVRdx	LinStatic	9,49	0,16	-1,97
112	112	Shell-Thin	134	SSOVRdx	LinStatic	13,16	0,89	-2,35
112	112	Shell-Thin	135	SSOVRdx	LinStatic	13,46	2,38	-2,98
112	112	Shell-Thin	113	SSOVRdx	LinStatic	9,78	1,65	-2,6
112	112	Shell-Thin	112	SSOVRsx	LinStatic	-9,49	-0,16	1,97
112	112	Shell-Thin	134	SSOVRsx	LinStatic	-13,16	-0,89	2,35
112	112	Shell-Thin	135	SSOVRsx	LinStatic	-13,46	-2,38	2,98
112	112	Shell-Thin	113	SSOVRsx	LinStatic	-9,78	-1,65	2,6
112	112	Shell-Thin	112	SW2	LinStatic	299,55	0,78	309,28
112	112	Shell-Thin	134	SW2	LinStatic	294,02	-0,33	369,17
112	112	Shell-Thin	135	SW2	LinStatic	223,6	-352,43	339,25
112	112	Shell-Thin	113	SW2	LinStatic	229,12	-351,33	279,35
113	113	Shell-Thin	113	DEAD	LinStatic	98,83	-32,9	80,6
113	113	Shell-Thin	135	DEAD	LinStatic	137,47	-25,17	73,9
113	113	Shell-Thin	136	DEAD	LinStatic	135,21	-36,43	62,81
113	113	Shell-Thin	114	DEAD	LinStatic	96,58	-44,16	69,5
113	113	Shell-Thin	113	STERR	LinStatic	-1,378E-12	3,956E-13	-4,97E-13
113	113	Shell-Thin	135	STERR	LinStatic	-1,87E-12	2,972E-13	-2,757E-13

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
113	113	Shell-Thin	136	STERR	LinStatic	-1,825E-12	5,216E-13	-4,256E-13
113	113	Shell-Thin	114	STERR	LinStatic	-1,333E-12	6,2E-13	-6,469E-13
113	113	Shell-Thin	113	SSOVRdx	LinStatic	9,27	1,54	-2,12
113	113	Shell-Thin	135	SSOVRdx	LinStatic	8,29	1,35	-4,29
113	113	Shell-Thin	136	SSOVRdx	LinStatic	8,04	0,09809	-2,31
113	113	Shell-Thin	114	SSOVRdx	LinStatic	9,02	0,29	-0,15
113	113	Shell-Thin	113	SSOVRsx	LinStatic	-9,27	-1,54	2,12
113	113	Shell-Thin	135	SSOVRsx	LinStatic	-8,29	-1,35	4,29
113	113	Shell-Thin	136	SSOVRsx	LinStatic	-8,04	-0,09809	2,31
113	113	Shell-Thin	114	SSOVRsx	LinStatic	-9,02	-0,29	0,15
113	113	Shell-Thin	113	SW2	LinStatic	265,4	-344,07	228,13
113	113	Shell-Thin	135	SW2	LinStatic	450,29	-307,09	277,86
113	113	Shell-Thin	136	SW2	LinStatic	436,58	-375,67	223,99
113	113	Shell-Thin	114	SW2	LinStatic	251,69	-412,65	174,26
114	114	Shell-Thin	114	DEAD	LinStatic	87,54	-45,97	65,79
114	114	Shell-Thin	136	DEAD	LinStatic	114,17	-40,64	45,23
114	114	Shell-Thin	137	DEAD	LinStatic	115,1	-35,99	33,74
114	114	Shell-Thin	115	DEAD	LinStatic	88,47	-41,31	54,31
114	114	Shell-Thin	114	STERR	LinStatic	-1,262E-12	6,343E-13	-5,721E-13
114	114	Shell-Thin	136	STERR	LinStatic	-1,663E-12	5,54E-13	-2,841E-13
114	114	Shell-Thin	137	STERR	LinStatic	-1,682E-12	4,61E-13	2,929E-14
114	114	Shell-Thin	115	STERR	LinStatic	-1,28E-12	5,412E-13	-2,587E-13
114	114	Shell-Thin	114	SSOVRdx	LinStatic	8,18	0,13	-0,23
114	114	Shell-Thin	136	SSOVRdx	LinStatic	11,99	0,89	-2,48
114	114	Shell-Thin	137	SSOVRdx	LinStatic	11,85	0,18	-4,38
114	114	Shell-Thin	115	SSOVRdx	LinStatic	8,04	-0,58	-2,12
114	114	Shell-Thin	114	SSOVRsx	LinStatic	-8,18	-0,13	0,23
114	114	Shell-Thin	136	SSOVRsx	LinStatic	-11,99	-0,89	2,48
114	114	Shell-Thin	137	SSOVRsx	LinStatic	-11,85	-0,18	4,38
114	114	Shell-Thin	115	SSOVRsx	LinStatic	-8,04	0,58	2,12
114	114	Shell-Thin	114	SW2	LinStatic	227,3	-417,52	167,59
114	114	Shell-Thin	136	SW2	LinStatic	374,24	-388,13	37,18
114	114	Shell-Thin	137	SW2	LinStatic	387,61	-321,27	-19,77
114	114	Shell-Thin	115	SW2	LinStatic	240,68	-350,65	110,63
115	115	Shell-Thin	115	DEAD	LinStatic	61,96	-46,61	44,85
115	115	Shell-Thin	137	DEAD	LinStatic	71,33	-44,74	28,11
115	115	Shell-Thin	138	DEAD	LinStatic	76,17	-20,54	27,84
115	115	Shell-Thin	116	DEAD	LinStatic	66,8	-22,41	44,58
115	115	Shell-Thin	115	STERR	LinStatic	-8,18E-13	6,337E-13	-2,463E-13
115	115	Shell-Thin	137	STERR	LinStatic	-1,05E-12	5,874E-13	8,954E-14
115	115	Shell-Thin	138	STERR	LinStatic	-1,129E-12	1,886E-13	-2,165E-13
115	115	Shell-Thin	116	STERR	LinStatic	-8,978E-13	2,349E-13	-5,524E-13
115	115	Shell-Thin	115	SSOVRdx	LinStatic	7,48	-0,69	-2,72
115	115	Shell-Thin	137	SSOVRdx	LinStatic	7,11	-0,76	-2,82
115	115	Shell-Thin	138	SSOVRdx	LinStatic	7,26	-0,03181	-2,86
115	115	Shell-Thin	116	SSOVRdx	LinStatic	7,62	0,04154	-2,75
115	115	Shell-Thin	115	SSOVRsx	LinStatic	-7,48	0,69	2,72
115	115	Shell-Thin	137	SSOVRsx	LinStatic	-7,11	0,76	2,82
115	115	Shell-Thin	138	SSOVRsx	LinStatic	-7,26	0,03181	2,86
115	115	Shell-Thin	116	SSOVRsx	LinStatic	-7,62	-0,04154	2,75
115	115	Shell-Thin	115	SW2	LinStatic	103,73	-378,04	63,54
115	115	Shell-Thin	137	SW2	LinStatic	78,07	-383,18	-45,29
115	115	Shell-Thin	138	SW2	LinStatic	142,12	-62,92	-13,2
115	115	Shell-Thin	116	SW2	LinStatic	167,78	-57,79	95,63
116	116	Shell-Thin	116	DEAD	LinStatic	41,94	-27,39	43,63
116	116	Shell-Thin	138	DEAD	LinStatic	45,91	-26,59	40,73
116	116	Shell-Thin	139	DEAD	LinStatic	41,22	-50,04	41,38
116	116	Shell-Thin	117	DEAD	LinStatic	37,25	-50,84	44,28
116	116	Shell-Thin	116	STERR	LinStatic	-8,616E-13	2,422E-13	-7,413E-13
116	116	Shell-Thin	138	STERR	LinStatic	-6,909E-13	2,763E-13	-9,047E-13
116	116	Shell-Thin	139	STERR	LinStatic	-4,189E-13	1,636E-12	-7,987E-13
116	116	Shell-Thin	117	STERR	LinStatic	-5,896E-13	1,602E-12	-6,353E-13
116	116	Shell-Thin	116	SSOVRdx	LinStatic	4,98	-0,49	-2,75
116	116	Shell-Thin	138	SSOVRdx	LinStatic	8,26	0,17	-3,17
116	116	Shell-Thin	139	SSOVRdx	LinStatic	8,7	2,37	-3,44
116	116	Shell-Thin	117	SSOVRdx	LinStatic	5,42	1,71	-3,02
116	116	Shell-Thin	116	SSOVRsx	LinStatic	-4,98	0,49	2,75
116	116	Shell-Thin	138	SSOVRsx	LinStatic	-8,26	-0,17	3,17
116	116	Shell-Thin	139	SSOVRsx	LinStatic	-8,7	-2,37	3,44
116	116	Shell-Thin	117	SSOVRsx	LinStatic	-5,42	-1,71	3,02

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
116	116	Shell-Thin	116	SW2	LinStatic	105,75	-70,2	151,21
116	116	Shell-Thin	138	SW2	LinStatic	65,4	-78,27	211,53
116	116	Shell-Thin	139	SW2	LinStatic	3,56	-387,44	252,27
116	116	Shell-Thin	117	SW2	LinStatic	43,92	-379,37	191,95
117	117	Shell-Thin	117	DEAD	LinStatic	28,68	-52,55	38,58
117	117	Shell-Thin	139	DEAD	LinStatic	42,72	-49,74	40,44
117	117	Shell-Thin	140	DEAD	LinStatic	42	-53,33	33,87
117	117	Shell-Thin	118	DEAD	LinStatic	27,96	-56,14	32,01
117	117	Shell-Thin	117	STERR	LinStatic	-6,423E-13	1,592E-12	-4,295E-13
117	117	Shell-Thin	139	STERR	LinStatic	-1,119E-12	1,496E-12	-6,994E-13
117	117	Shell-Thin	140	STERR	LinStatic	-1,062E-12	1,782E-12	-8,406E-13
117	117	Shell-Thin	118	STERR	LinStatic	-5,852E-13	1,877E-12	-5,708E-13
117	117	Shell-Thin	117	SSOVRdx	LinStatic	4,1	1,45	-1,94
117	117	Shell-Thin	139	SSOVRdx	LinStatic	1,56	0,94	-5,4
117	117	Shell-Thin	140	SSOVRdx	LinStatic	1,43	0,27	-2,25
117	117	Shell-Thin	118	SSOVRdx	LinStatic	3,97	0,78	1,21
117	117	Shell-Thin	117	SSOVRsx	LinStatic	-4,1	-1,45	1,94
117	117	Shell-Thin	139	SSOVRsx	LinStatic	-1,56	-0,94	5,4
117	117	Shell-Thin	140	SSOVRsx	LinStatic	-1,43	-0,27	2,25
117	117	Shell-Thin	118	SSOVRsx	LinStatic	-3,97	-0,78	-1,21
117	117	Shell-Thin	117	SW2	LinStatic	100,27	-368,1	146,98
117	117	Shell-Thin	139	SW2	LinStatic	198,94	-348,36	239,68
117	117	Shell-Thin	140	SW2	LinStatic	185,66	-414,74	178,25
117	117	Shell-Thin	118	SW2	LinStatic	86,99	-434,47	85,56
118	118	Shell-Thin	118	DEAD	LinStatic	18,21	-58,09	32,2
118	118	Shell-Thin	140	DEAD	LinStatic	36,65	-54,41	16,85
118	118	Shell-Thin	141	DEAD	LinStatic	38,45	-45,37	14,83
118	118	Shell-Thin	119	DEAD	LinStatic	20,01	-49,06	30,17
118	118	Shell-Thin	118	STERR	LinStatic	-4,887E-13	1,896E-12	-6,674E-13
118	118	Shell-Thin	140	STERR	LinStatic	-1,093E-12	1,776E-12	1,363E-13
118	118	Shell-Thin	141	STERR	LinStatic	-1,155E-12	1,465E-12	5,978E-13
118	118	Shell-Thin	119	STERR	LinStatic	-5,508E-13	1,586E-12	-2,059E-13
118	118	Shell-Thin	118	SSOVRdx	LinStatic	2,74	0,54	1,37
118	118	Shell-Thin	140	SSOVRdx	LinStatic	6,1	1,21	-1,6
118	118	Shell-Thin	141	SSOVRdx	LinStatic	5,8	-0,29	-4,38
118	118	Shell-Thin	119	SSOVRdx	LinStatic	2,44	-0,96	-1,41
118	118	Shell-Thin	118	SSOVRsx	LinStatic	-2,74	-0,54	-1,37
118	118	Shell-Thin	140	SSOVRsx	LinStatic	-6,1	-1,21	1,6
118	118	Shell-Thin	141	SSOVRsx	LinStatic	-5,8	0,29	4,38
118	118	Shell-Thin	119	SSOVRsx	LinStatic	-2,44	0,96	1,41
118	118	Shell-Thin	118	SW2	LinStatic	61,85	-439,5	89,11
118	118	Shell-Thin	140	SW2	LinStatic	194,85	-412,9	-20,77
118	118	Shell-Thin	141	SW2	LinStatic	214,87	-312,79	-32,84
118	118	Shell-Thin	119	SW2	LinStatic	81,87	-339,39	77,04
119	119	Shell-Thin	119	DEAD	LinStatic	9,69	-51,12	23,07
119	119	Shell-Thin	141	DEAD	LinStatic	2,64	-52,53	14,4
119	119	Shell-Thin	142	DEAD	LinStatic	8,87	-21,35	7,18
119	119	Shell-Thin	120	DEAD	LinStatic	15,92	-19,94	15,85
119	119	Shell-Thin	119	STERR	LinStatic	-6,864E-14	1,682E-12	1,667E-13
119	119	Shell-Thin	141	STERR	LinStatic	3,848E-13	1,773E-12	3,567E-13
119	119	Shell-Thin	142	STERR	LinStatic	6,308E-14	1,64E-13	4,111E-13
119	119	Shell-Thin	120	STERR	LinStatic	-3,904E-13	7,332E-14	2,211E-13
119	119	Shell-Thin	119	SSOVRdx	LinStatic	1,36	-1,18	-1,88
119	119	Shell-Thin	141	SSOVRdx	LinStatic	0,03838	-1,44	-2,18
119	119	Shell-Thin	142	SSOVRdx	LinStatic	0,26	-0,32	-0,86
119	119	Shell-Thin	120	SSOVRdx	LinStatic	1,59	-0,05198	-0,56
119	119	Shell-Thin	119	SSOVRsx	LinStatic	-1,36	1,18	1,88
119	119	Shell-Thin	141	SSOVRsx	LinStatic	-0,03838	1,44	2,18
119	119	Shell-Thin	142	SSOVRsx	LinStatic	-0,26	0,32	0,86
119	119	Shell-Thin	120	SSOVRsx	LinStatic	-1,59	0,05198	0,56
119	119	Shell-Thin	119	SW2	LinStatic	7,09	-354,34	21,33
119	119	Shell-Thin	141	SW2	LinStatic	-99,77	-375,72	-44,03
119	119	Shell-Thin	142	SW2	LinStatic	-31,92	-36,48	-112,91
119	119	Shell-Thin	120	SW2	LinStatic	74,94	-15,11	-47,55
120	120	Shell-Thin	120	DEAD	LinStatic	-11,32	-25,39	9,79
120	120	Shell-Thin	142	DEAD	LinStatic	3,6	-22,41	9,1
120	120	Shell-Thin	143	DEAD	LinStatic	8,93	4,26	12,2
120	120	Shell-Thin	121	DEAD	LinStatic	-5,99	1,27	12,9
120	120	Shell-Thin	120	STERR	LinStatic	8,852E-14	1,691E-13	1,434E-13
120	120	Shell-Thin	142	STERR	LinStatic	-2,382E-14	1,466E-13	4,834E-14

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
120	120	Shell-Thin	143	STERR	LinStatic	-1,151E-13	-3,097E-13	-2,132E-13
120	120	Shell-Thin	121	STERR	LinStatic	-2,737E-15	-2,872E-13	-1,182E-13
120	120	Shell-Thin	120	SSOVRdx	LinStatic	0,03431	-0,36	0,03863
120	120	Shell-Thin	142	SSOVRdx	LinStatic	-0,19	-0,41	-0,001686
120	120	Shell-Thin	143	SSOVRdx	LinStatic	-0,14	-0,16	0,11
120	120	Shell-Thin	121	SSOVRdx	LinStatic	0,08455	-0,11	0,15
120	120	Shell-Thin	120	SSOVRsx	LinStatic	-0,03431	0,36	-0,03863
120	120	Shell-Thin	142	SSOVRsx	LinStatic	0,19	0,41	0,001686
120	120	Shell-Thin	143	SSOVRsx	LinStatic	0,14	0,16	-0,11
120	120	Shell-Thin	121	SSOVRsx	LinStatic	-0,08455	0,11	-0,15
120	120	Shell-Thin	120	SW2	LinStatic	-27,47	-35,59	-52,73
120	120	Shell-Thin	142	SW2	LinStatic	23,75	-25,35	-21,06
120	120	Shell-Thin	143	SW2	LinStatic	43,92	75,53	68,55
120	120	Shell-Thin	121	SW2	LinStatic	-7,3	65,28	36,87
121	121	Shell-Thin	122	DEAD	LinStatic	111,92	22,38	69,73
121	121	Shell-Thin	144	DEAD	LinStatic	152,14	30,43	66,35
121	121	Shell-Thin	145	DEAD	LinStatic	149,94	19,39	116,78
121	121	Shell-Thin	123	DEAD	LinStatic	109,71	11,35	120,15
121	121	Shell-Thin	122	STERR	LinStatic	1,446E-12	2,892E-13	3,827E-13
121	121	Shell-Thin	144	STERR	LinStatic	1,9E-12	3,801E-13	2,322E-13
121	121	Shell-Thin	145	STERR	LinStatic	1,854E-12	1,457E-13	5,318E-13
121	121	Shell-Thin	123	STERR	LinStatic	1,399E-12	5,484E-14	6,823E-13
121	121	Shell-Thin	122	SSOVRdx	LinStatic	-10,62	-2,12	0,84
121	121	Shell-Thin	144	SSOVRdx	LinStatic	-12,5	-2,5	0,63
121	121	Shell-Thin	145	SSOVRdx	LinStatic	-12,14	-0,69	1,62
121	121	Shell-Thin	123	SSOVRdx	LinStatic	-10,26	-0,31	1,84
121	121	Shell-Thin	122	SSOVRsx	LinStatic	10,62	2,12	-0,84
121	121	Shell-Thin	144	SSOVRsx	LinStatic	12,5	2,5	-0,63
121	121	Shell-Thin	145	SSOVRsx	LinStatic	12,14	0,69	-1,62
121	121	Shell-Thin	123	SSOVRsx	LinStatic	10,26	0,31	-1,84
121	121	Shell-Thin	122	SW2	LinStatic	233,88	46,78	181,99
121	121	Shell-Thin	144	SW2	LinStatic	348,84	69,77	129,58
121	121	Shell-Thin	145	SW2	LinStatic	336,52	8,17	291,66
121	121	Shell-Thin	123	SW2	LinStatic	221,56	-14,82	344,06
122	122	Shell-Thin	123	DEAD	LinStatic	110,9	11,59	96,88
122	122	Shell-Thin	145	DEAD	LinStatic	137,67	16,94	96,26
122	122	Shell-Thin	146	DEAD	LinStatic	128,9	-26,89	87,55
122	122	Shell-Thin	124	DEAD	LinStatic	102,14	-32,24	88,17
122	122	Shell-Thin	123	STERR	LinStatic	1,454E-12	6,577E-14	5,486E-13
122	122	Shell-Thin	145	STERR	LinStatic	1,8E-12	1,349E-13	6,821E-13
122	122	Shell-Thin	146	STERR	LinStatic	1,715E-12	-2,886E-13	5,437E-13
122	122	Shell-Thin	124	STERR	LinStatic	1,369E-12	-3,577E-13	4,103E-13
122	122	Shell-Thin	123	SSOVRdx	LinStatic	-9,49	-0,16	1,97
122	122	Shell-Thin	145	SSOVRdx	LinStatic	-13,16	-0,89	2,35
122	122	Shell-Thin	146	SSOVRdx	LinStatic	-13,46	-2,38	2,98
122	122	Shell-Thin	124	SSOVRdx	LinStatic	-9,78	-1,65	2,6
122	122	Shell-Thin	123	SSOVRsx	LinStatic	9,49	0,16	-1,97
122	122	Shell-Thin	145	SSOVRsx	LinStatic	13,16	0,89	-2,35
122	122	Shell-Thin	146	SSOVRsx	LinStatic	13,46	2,38	-2,98
122	122	Shell-Thin	124	SSOVRsx	LinStatic	9,78	1,65	-2,6
122	122	Shell-Thin	123	SW2	LinStatic	299,55	0,78	309,28
122	122	Shell-Thin	145	SW2	LinStatic	294,02	-0,33	369,17
122	122	Shell-Thin	146	SW2	LinStatic	223,6	-352,43	339,25
122	122	Shell-Thin	124	SW2	LinStatic	229,12	-351,33	279,35
123	123	Shell-Thin	124	DEAD	LinStatic	98,83	-32,9	80,6
123	123	Shell-Thin	146	DEAD	LinStatic	137,47	-25,17	73,9
123	123	Shell-Thin	147	DEAD	LinStatic	135,21	-36,43	62,81
123	123	Shell-Thin	125	DEAD	LinStatic	96,58	-44,16	69,5
123	123	Shell-Thin	124	STERR	LinStatic	1,324E-12	-3,667E-13	4,42E-13
123	123	Shell-Thin	146	STERR	LinStatic	1,776E-12	-2,763E-13	2,271E-13
123	123	Shell-Thin	147	STERR	LinStatic	1,733E-12	-4,939E-13	3,769E-13
123	123	Shell-Thin	125	STERR	LinStatic	1,281E-12	-5,843E-13	5,919E-13
123	123	Shell-Thin	124	SSOVRdx	LinStatic	-9,27	-1,54	2,12
123	123	Shell-Thin	146	SSOVRdx	LinStatic	-8,29	-1,35	4,29
123	123	Shell-Thin	147	SSOVRdx	LinStatic	-8,04	-0,09809	2,31
123	123	Shell-Thin	125	SSOVRdx	LinStatic	-9,02	-0,29	0,15
123	123	Shell-Thin	124	SSOVRsx	LinStatic	9,27	1,54	-2,12
123	123	Shell-Thin	146	SSOVRsx	LinStatic	8,29	1,35	-4,29
123	123	Shell-Thin	147	SSOVRsx	LinStatic	8,04	0,09809	-2,31
123	123	Shell-Thin	125	SSOVRsx	LinStatic	9,02	0,29	-0,15

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
123	123	Shell-Thin	124	SW2	LinStatic	265,4	-344,07	228,13
123	123	Shell-Thin	146	SW2	LinStatic	450,29	-307,09	277,86
123	123	Shell-Thin	147	SW2	LinStatic	436,58	-375,67	223,99
123	123	Shell-Thin	125	SW2	LinStatic	251,69	-412,65	174,26
124	124	Shell-Thin	125	DEAD	LinStatic	87,54	-45,97	65,79
124	124	Shell-Thin	147	DEAD	LinStatic	114,17	-40,64	45,23
124	124	Shell-Thin	148	DEAD	LinStatic	115,1	-35,99	33,74
124	124	Shell-Thin	126	DEAD	LinStatic	88,47	-41,31	54,31
124	124	Shell-Thin	125	STERR	LinStatic	1,214E-12	-5,976E-13	5,195E-13
124	124	Shell-Thin	147	STERR	LinStatic	1,602E-12	-5,2E-13	2,424E-13
124	124	Shell-Thin	148	STERR	LinStatic	1,619E-12	-4,356E-13	-6,116E-14
124	124	Shell-Thin	126	STERR	LinStatic	1,231E-12	-5,132E-13	2,159E-13
124	124	Shell-Thin	125	SSOVRdx	LinStatic	-8,18	-0,13	0,23
124	124	Shell-Thin	147	SSOVRdx	LinStatic	-11,99	-0,89	2,48
124	124	Shell-Thin	148	SSOVRdx	LinStatic	-11,85	-0,18	4,38
124	124	Shell-Thin	126	SSOVRdx	LinStatic	-8,04	0,58	2,12
124	124	Shell-Thin	125	SSOVRsx	LinStatic	8,18	0,13	-0,23
124	124	Shell-Thin	147	SSOVRsx	LinStatic	11,99	0,89	-2,48
124	124	Shell-Thin	148	SSOVRsx	LinStatic	11,85	0,18	-4,38
124	124	Shell-Thin	126	SSOVRsx	LinStatic	8,04	-0,58	-2,12
124	124	Shell-Thin	125	SW2	LinStatic	227,3	-417,52	167,59
124	124	Shell-Thin	147	SW2	LinStatic	374,24	-388,13	37,18
124	124	Shell-Thin	148	SW2	LinStatic	387,61	-321,27	-19,77
124	124	Shell-Thin	126	SW2	LinStatic	240,68	-350,65	110,63
125	125	Shell-Thin	126	DEAD	LinStatic	61,96	-46,61	44,85
125	125	Shell-Thin	148	DEAD	LinStatic	71,33	-44,74	28,11
125	125	Shell-Thin	149	DEAD	LinStatic	76,17	-20,54	27,84
125	125	Shell-Thin	127	DEAD	LinStatic	66,8	-22,41	44,58
125	125	Shell-Thin	126	STERR	LinStatic	8,023E-13	-5,99E-13	1,991E-13
125	125	Shell-Thin	148	STERR	LinStatic	1,015E-12	-5,564E-13	-1,078E-13
125	125	Shell-Thin	149	STERR	LinStatic	1,093E-12	-1,658E-13	1,662E-13
125	125	Shell-Thin	127	STERR	LinStatic	8,804E-13	-2,084E-13	4,732E-13
125	125	Shell-Thin	126	SSOVRdx	LinStatic	-7,48	0,69	2,72
125	125	Shell-Thin	148	SSOVRdx	LinStatic	-7,11	0,76	2,82
125	125	Shell-Thin	149	SSOVRdx	LinStatic	-7,26	0,03181	2,86
125	125	Shell-Thin	127	SSOVRdx	LinStatic	-7,62	-0,04154	2,75
125	125	Shell-Thin	126	SSOVRsx	LinStatic	7,48	-0,69	-2,72
125	125	Shell-Thin	148	SSOVRsx	LinStatic	7,11	-0,76	-2,82
125	125	Shell-Thin	149	SSOVRsx	LinStatic	7,26	-0,03181	-2,86
125	125	Shell-Thin	127	SSOVRsx	LinStatic	7,62	0,04154	-2,75
125	125	Shell-Thin	126	SW2	LinStatic	103,73	-378,04	63,54
125	125	Shell-Thin	148	SW2	LinStatic	78,07	-383,18	-45,29
125	125	Shell-Thin	149	SW2	LinStatic	142,12	-62,92	-13,2
125	125	Shell-Thin	127	SW2	LinStatic	167,78	-57,79	95,63
126	126	Shell-Thin	127	DEAD	LinStatic	41,94	-27,39	43,63
126	126	Shell-Thin	149	DEAD	LinStatic	45,91	-26,59	40,73
126	126	Shell-Thin	150	DEAD	LinStatic	41,22	-50,04	41,38
126	126	Shell-Thin	128	DEAD	LinStatic	37,25	-50,84	44,28
126	126	Shell-Thin	127	STERR	LinStatic	8,274E-13	-2,19E-13	6,382E-13
126	126	Shell-Thin	149	STERR	LinStatic	6,994E-13	-2,446E-13	7,872E-13
126	126	Shell-Thin	150	STERR	LinStatic	4,588E-13	-1,448E-12	6,863E-13
126	126	Shell-Thin	128	STERR	LinStatic	5,868E-13	-1,422E-12	5,372E-13
126	126	Shell-Thin	127	SSOVRdx	LinStatic	-4,98	0,49	2,75
126	126	Shell-Thin	149	SSOVRdx	LinStatic	-8,26	-0,17	3,17
126	126	Shell-Thin	150	SSOVRdx	LinStatic	-8,7	-2,37	3,44
126	126	Shell-Thin	128	SSOVRdx	LinStatic	-5,42	-1,71	3,02
126	126	Shell-Thin	127	SSOVRsx	LinStatic	4,98	-0,49	-2,75
126	126	Shell-Thin	149	SSOVRsx	LinStatic	8,26	0,17	-3,17
126	126	Shell-Thin	150	SSOVRsx	LinStatic	8,7	2,37	-3,44
126	126	Shell-Thin	128	SSOVRsx	LinStatic	5,42	1,71	-3,02
126	126	Shell-Thin	127	SW2	LinStatic	105,75	-70,2	151,21
126	126	Shell-Thin	149	SW2	LinStatic	65,4	-78,27	211,53
126	126	Shell-Thin	150	SW2	LinStatic	3,56	-387,44	252,27
126	126	Shell-Thin	128	SW2	LinStatic	43,92	-379,37	191,95
127	127	Shell-Thin	128	DEAD	LinStatic	28,68	-52,55	38,58
127	127	Shell-Thin	150	DEAD	LinStatic	42,72	-49,74	40,44
127	127	Shell-Thin	151	DEAD	LinStatic	42	-53,33	33,87
127	127	Shell-Thin	129	DEAD	LinStatic	27,96	-56,14	32,01
127	127	Shell-Thin	128	STERR	LinStatic	5,897E-13	-1,421E-12	3,637E-13
127	127	Shell-Thin	150	STERR	LinStatic	1,026E-12	-1,334E-12	5,693E-13

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
127	127	Shell-Thin	151	STERR	LinStatic	9,727E-13	-1,599E-12	7,306E-13
127	127	Shell-Thin	129	STERR	LinStatic	5,366E-13	-1,687E-12	5,249E-13
127	127	Shell-Thin	128	SSOVRdx	LinStatic	-4,1	-1,45	1,94
127	127	Shell-Thin	150	SSOVRdx	LinStatic	-1,56	-0,94	5,4
127	127	Shell-Thin	151	SSOVRdx	LinStatic	-1,43	-0,27	2,25
127	127	Shell-Thin	129	SSOVRdx	LinStatic	-3,97	-0,78	-1,21
127	127	Shell-Thin	128	SSOVRsx	LinStatic	4,1	1,45	-1,94
127	127	Shell-Thin	150	SSOVRsx	LinStatic	1,56	0,94	-5,4
127	127	Shell-Thin	151	SSOVRsx	LinStatic	1,43	0,27	-2,25
127	127	Shell-Thin	129	SSOVRsx	LinStatic	3,97	0,78	1,21
127	127	Shell-Thin	128	SW2	LinStatic	100,27	-368,1	146,98
127	127	Shell-Thin	150	SW2	LinStatic	198,94	-348,36	239,68
127	127	Shell-Thin	151	SW2	LinStatic	185,66	-414,74	178,25
127	127	Shell-Thin	129	SW2	LinStatic	86,99	-434,47	85,56
128	128	Shell-Thin	129	DEAD	LinStatic	18,21	-58,09	32,2
128	128	Shell-Thin	151	DEAD	LinStatic	36,65	-54,41	16,85
128	128	Shell-Thin	152	DEAD	LinStatic	38,45	-45,37	14,83
128	128	Shell-Thin	130	DEAD	LinStatic	20,01	-49,06	30,17
128	128	Shell-Thin	129	STERR	LinStatic	4,801E-13	-1,698E-12	6,205E-13
128	128	Shell-Thin	151	STERR	LinStatic	1,039E-12	-1,586E-12	-1,461E-13
128	128	Shell-Thin	152	STERR	LinStatic	1,091E-12	-1,326E-12	-5,98E-13
128	128	Shell-Thin	130	STERR	LinStatic	5,321E-13	-1,438E-12	1,687E-13
128	128	Shell-Thin	129	SSOVRdx	LinStatic	-2,74	-0,54	-1,37
128	128	Shell-Thin	151	SSOVRdx	LinStatic	-6,1	-1,21	1,6
128	128	Shell-Thin	152	SSOVRdx	LinStatic	-5,8	0,29	4,38
128	128	Shell-Thin	130	SSOVRdx	LinStatic	-2,44	0,96	1,41
128	128	Shell-Thin	129	SSOVRsx	LinStatic	2,74	0,54	1,37
128	128	Shell-Thin	151	SSOVRsx	LinStatic	6,1	1,21	-1,6
128	128	Shell-Thin	152	SSOVRsx	LinStatic	5,8	-0,29	-4,38
128	128	Shell-Thin	130	SSOVRsx	LinStatic	2,44	-0,96	-1,41
128	128	Shell-Thin	129	SW2	LinStatic	61,85	-439,5	89,11
128	128	Shell-Thin	151	SW2	LinStatic	194,85	-412,9	-20,77
128	128	Shell-Thin	152	SW2	LinStatic	214,87	-312,79	-32,84
128	128	Shell-Thin	130	SW2	LinStatic	81,87	-339,39	77,04
129	129	Shell-Thin	130	DEAD	LinStatic	9,69	-51,12	23,07
129	129	Shell-Thin	152	DEAD	LinStatic	2,64	-52,53	14,4
129	129	Shell-Thin	153	DEAD	LinStatic	8,87	-21,35	7,18
129	129	Shell-Thin	131	DEAD	LinStatic	15,92	-19,94	15,85
129	129	Shell-Thin	130	STERR	LinStatic	7,827E-14	-1,529E-12	-1,774E-13
129	129	Shell-Thin	152	STERR	LinStatic	-3,429E-13	-1,613E-12	-3,493E-13
129	129	Shell-Thin	153	STERR	LinStatic	-5,037E-14	-1,507E-13	-3,74E-13
129	129	Shell-Thin	131	STERR	LinStatic	3,708E-13	-6,649E-14	-2,021E-13
129	129	Shell-Thin	130	SSOVRdx	LinStatic	-1,36	1,18	1,88
129	129	Shell-Thin	152	SSOVRdx	LinStatic	-0,03838	1,44	2,18
129	129	Shell-Thin	153	SSOVRdx	LinStatic	-0,26	0,32	0,86
129	129	Shell-Thin	131	SSOVRdx	LinStatic	-1,59	0,05198	0,56
129	129	Shell-Thin	130	SSOVRsx	LinStatic	1,36	-1,18	-1,88
129	129	Shell-Thin	152	SSOVRsx	LinStatic	0,03838	-1,44	-2,18
129	129	Shell-Thin	153	SSOVRsx	LinStatic	0,26	-0,32	-0,86
129	129	Shell-Thin	131	SSOVRsx	LinStatic	1,59	-0,05198	-0,56
129	129	Shell-Thin	130	SW2	LinStatic	7,09	-354,34	21,33
129	129	Shell-Thin	152	SW2	LinStatic	-99,77	-375,72	-44,03
129	129	Shell-Thin	153	SW2	LinStatic	-31,92	-36,48	-112,91
129	129	Shell-Thin	131	SW2	LinStatic	74,94	-15,11	-47,55
130	130	Shell-Thin	131	DEAD	LinStatic	-11,32	-25,39	9,79
130	130	Shell-Thin	153	DEAD	LinStatic	3,6	-22,41	9,1
130	130	Shell-Thin	154	DEAD	LinStatic	8,93	4,26	12,2
130	130	Shell-Thin	132	DEAD	LinStatic	-5,99	1,27	12,9
130	130	Shell-Thin	131	STERR	LinStatic	-7,834E-14	-1,563E-13	-1,232E-13
130	130	Shell-Thin	153	STERR	LinStatic	1,67E-14	-1,373E-13	-4,193E-14
130	130	Shell-Thin	154	STERR	LinStatic	9,947E-14	2,766E-13	1,882E-13
130	130	Shell-Thin	132	STERR	LinStatic	4,432E-15	2,576E-13	1,069E-13
130	130	Shell-Thin	131	SSOVRdx	LinStatic	-0,03431	0,36	-0,03863
130	130	Shell-Thin	153	SSOVRdx	LinStatic	0,19	0,41	0,001686
130	130	Shell-Thin	154	SSOVRdx	LinStatic	0,14	0,16	-0,11
130	130	Shell-Thin	132	SSOVRdx	LinStatic	-0,08455	0,11	-0,15
130	130	Shell-Thin	131	SSOVRsx	LinStatic	0,03431	-0,36	0,03863
130	130	Shell-Thin	153	SSOVRsx	LinStatic	-0,19	-0,41	-0,001686
130	130	Shell-Thin	154	SSOVRsx	LinStatic	-0,14	-0,16	0,11
130	130	Shell-Thin	132	SSOVRsx	LinStatic	0,08455	-0,11	0,15

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
130	130	Shell-Thin	131	SW2	LinStatic	-27,47	-35,59	-52,73
130	130	Shell-Thin	153	SW2	LinStatic	23,75	-25,35	-21,06
130	130	Shell-Thin	154	SW2	LinStatic	43,92	75,53	68,55
130	130	Shell-Thin	132	SW2	LinStatic	-7,3	65,28	36,87
131	131	Shell-Thin	133	DEAD	LinStatic	152,14	30,43	66,35
131	131	Shell-Thin	155	DEAD	LinStatic	236,67	47,33	58,8
131	131	Shell-Thin	156	DEAD	LinStatic	231,94	23,69	107,5
131	131	Shell-Thin	134	DEAD	LinStatic	147,41	6,78	115,05
131	131	Shell-Thin	133	STERR	LinStatic	-1,994E-12	-3,987E-13	-2,605E-13
131	131	Shell-Thin	155	STERR	LinStatic	-2,883E-12	-5,766E-13	-4,595E-13
131	131	Shell-Thin	156	STERR	LinStatic	-2,806E-12	-1,883E-13	-7,332E-13
131	131	Shell-Thin	134	STERR	LinStatic	-1,916E-12	-1,037E-14	-5,341E-13
131	131	Shell-Thin	133	SSOVRdx	LinStatic	12,5	2,5	-0,63
131	131	Shell-Thin	155	SSOVRdx	LinStatic	15,09	3,02	-0,24
131	131	Shell-Thin	156	SSOVRdx	LinStatic	14,51	0,12	-0,82
131	131	Shell-Thin	134	SSOVRdx	LinStatic	11,92	-0,4	-1,2
131	131	Shell-Thin	133	SSOVRsx	LinStatic	-12,5	-2,5	0,63
131	131	Shell-Thin	155	SSOVRsx	LinStatic	-15,09	-3,02	0,24
131	131	Shell-Thin	156	SSOVRsx	LinStatic	-14,51	-0,12	0,82
131	131	Shell-Thin	134	SSOVRsx	LinStatic	-11,92	0,4	1,2
131	131	Shell-Thin	133	SW2	LinStatic	348,84	69,77	129,58
131	131	Shell-Thin	155	SW2	LinStatic	598,37	119,67	179,99
131	131	Shell-Thin	156	SW2	LinStatic	581,46	35,11	309,23
131	131	Shell-Thin	134	SW2	LinStatic	331,93	-14,8	258,82
132	132	Shell-Thin	134	DEAD	LinStatic	135,14	4,33	94,53
132	132	Shell-Thin	156	DEAD	LinStatic	203,61	18,02	65,61
132	132	Shell-Thin	157	DEAD	LinStatic	197,21	-13,99	57,33
132	132	Shell-Thin	135	DEAD	LinStatic	128,74	-27,68	86,25
132	132	Shell-Thin	134	STERR	LinStatic	-1,851E-12	2,631E-15	-6,907E-13
132	132	Shell-Thin	156	STERR	LinStatic	-2,792E-12	-1,857E-13	-2,367E-13
132	132	Shell-Thin	157	STERR	LinStatic	-2,704E-12	2,565E-13	-3,062E-13
132	132	Shell-Thin	135	STERR	LinStatic	-1,762E-12	4,449E-13	-7,602E-13
132	132	Shell-Thin	134	SSOVRdx	LinStatic	12,95	-0,19	-1,93
132	132	Shell-Thin	156	SSOVRdx	LinStatic	18,05	0,83	-1,11
132	132	Shell-Thin	157	SSOVRdx	LinStatic	17,7	-0,93	-2,2
132	132	Shell-Thin	135	SSOVRdx	LinStatic	12,59	-1,95	-3,03
132	132	Shell-Thin	134	SSOVRsx	LinStatic	-12,95	0,19	1,93
132	132	Shell-Thin	156	SSOVRsx	LinStatic	-18,05	-0,83	1,11
132	132	Shell-Thin	157	SSOVRsx	LinStatic	-17,7	0,93	2,2
132	132	Shell-Thin	135	SSOVRsx	LinStatic	-12,59	1,95	3,03
132	132	Shell-Thin	134	SW2	LinStatic	289,42	-23,3	336,34
132	132	Shell-Thin	156	SW2	LinStatic	487,7	16,36	145,23
132	132	Shell-Thin	157	SW2	LinStatic	452,91	-157,61	218,4
132	132	Shell-Thin	135	SW2	LinStatic	254,63	-197,27	409,51
133	133	Shell-Thin	135	DEAD	LinStatic	137,31	-25,97	72,6
133	133	Shell-Thin	157	DEAD	LinStatic	147,83	-23,86	81,28
133	133	Shell-Thin	158	DEAD	LinStatic	133,32	-96,42	60,41
133	133	Shell-Thin	136	DEAD	LinStatic	122,8	-98,52	51,74
133	133	Shell-Thin	135	STERR	LinStatic	-1,843E-12	4,287E-13	-4,32E-13
133	133	Shell-Thin	157	STERR	LinStatic	-2,834E-12	2,306E-13	-1,059E-12
133	133	Shell-Thin	158	STERR	LinStatic	-2,603E-12	1,383E-12	-4,275E-13
133	133	Shell-Thin	136	STERR	LinStatic	-1,613E-12	1,581E-12	1,998E-13
133	133	Shell-Thin	135	SSOVRdx	LinStatic	7,42	-2,99	-4,34
133	133	Shell-Thin	157	SSOVRdx	LinStatic	27,8	1,09	-2,44
133	133	Shell-Thin	158	SSOVRdx	LinStatic	28,39	4,03	-7,2
133	133	Shell-Thin	136	SSOVRdx	LinStatic	8,01	-0,05033	-9,1
133	133	Shell-Thin	135	SSOVRsx	LinStatic	-7,42	2,99	4,34
133	133	Shell-Thin	157	SSOVRsx	LinStatic	-27,8	-1,09	2,44
133	133	Shell-Thin	158	SSOVRsx	LinStatic	-28,39	-4,03	7,2
133	133	Shell-Thin	136	SSOVRsx	LinStatic	-8,01	0,05033	9,1
133	133	Shell-Thin	135	SW2	LinStatic	481,33	-151,93	348,13
133	133	Shell-Thin	157	SW2	LinStatic	380,04	-172,19	587,46
133	133	Shell-Thin	158	SW2	LinStatic	183,55	-1154,63	422,74
133	133	Shell-Thin	136	SW2	LinStatic	284,84	-1134,37	183,41
134	134	Shell-Thin	136	DEAD	LinStatic	101,75	-102,73	34,16
134	134	Shell-Thin	158	DEAD	LinStatic	112,32	-100,62	4,11
134	134	Shell-Thin	159	DEAD	LinStatic	128,7	-18,76	-5,99
134	134	Shell-Thin	137	DEAD	LinStatic	118,12	-20,88	24,06
134	134	Shell-Thin	136	STERR	LinStatic	-1,451E-12	1,613E-12	3,414E-13
134	134	Shell-Thin	158	STERR	LinStatic	-1,159E-12	1,672E-12	7,557E-13

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
134	134	Shell-Thin	159	STERR	LinStatic	-1,46E-12	1,652E-13	4,55E-13
134	134	Shell-Thin	137	STERR	LinStatic	-1,752E-12	1,067E-13	4,069E-14
134	134	Shell-Thin	136	SSOVRdx	LinStatic	11,96	0,74	-9,27
134	134	Shell-Thin	158	SSOVRdx	LinStatic	-4,19	-2,49	-7,1
134	134	Shell-Thin	159	SSOVRdx	LinStatic	-3,78	-0,44	-2,17
134	134	Shell-Thin	137	SSOVRdx	LinStatic	12,37	2,79	-4,34
134	134	Shell-Thin	136	SSOVRsx	LinStatic	-11,96	-0,74	9,27
134	134	Shell-Thin	158	SSOVRsx	LinStatic	4,19	2,49	7,1
134	134	Shell-Thin	159	SSOVRsx	LinStatic	3,78	0,44	2,17
134	134	Shell-Thin	137	SSOVRsx	LinStatic	-12,37	-2,79	4,34
134	134	Shell-Thin	136	SW2	LinStatic	222,5	-1146,84	-3,4
134	134	Shell-Thin	158	SW2	LinStatic	135,09	-1164,32	-298,24
134	134	Shell-Thin	159	SW2	LinStatic	337,02	-154,7	-387,4
134	134	Shell-Thin	137	SW2	LinStatic	424,42	-137,22	-92,57
135	135	Shell-Thin	137	DEAD	LinStatic	74,35	-29,63	18,43
135	135	Shell-Thin	159	DEAD	LinStatic	91,87	-26,13	22,44
135	135	Shell-Thin	160	DEAD	LinStatic	94,6	-12,46	27
135	135	Shell-Thin	138	DEAD	LinStatic	77,09	-15,97	22,99
135	135	Shell-Thin	137	STERR	LinStatic	-1,12E-12	2,331E-13	1,009E-13
135	135	Shell-Thin	159	STERR	LinStatic	-1,332E-12	1,908E-13	-2,138E-13
135	135	Shell-Thin	160	STERR	LinStatic	-1,344E-12	1,274E-13	-3,523E-13
135	135	Shell-Thin	138	STERR	LinStatic	-1,133E-12	1,697E-13	-3,752E-14
135	135	Shell-Thin	137	SSOVRdx	LinStatic	7,63	1,84	-2,79
135	135	Shell-Thin	159	SSOVRdx	LinStatic	7,09	1,74	-2,12
135	135	Shell-Thin	160	SSOVRdx	LinStatic	6,67	-0,36	-1,7
135	135	Shell-Thin	138	SSOVRdx	LinStatic	7,21	-0,26	-2,36
135	135	Shell-Thin	137	SSOVRsx	LinStatic	-7,63	-1,84	2,79
135	135	Shell-Thin	159	SSOVRsx	LinStatic	-7,09	-1,74	2,12
135	135	Shell-Thin	160	SSOVRsx	LinStatic	-6,67	0,36	1,7
135	135	Shell-Thin	138	SSOVRsx	LinStatic	-7,21	0,26	2,36
135	135	Shell-Thin	137	SW2	LinStatic	114,88	-199,13	-118,08
135	135	Shell-Thin	159	SW2	LinStatic	180,8	-185,94	18,62
135	135	Shell-Thin	160	SW2	LinStatic	209,69	-41,5	112,6
135	135	Shell-Thin	138	SW2	LinStatic	143,77	-54,68	-24,09
136	136	Shell-Thin	138	DEAD	LinStatic	46,82	-22,02	35,87
136	136	Shell-Thin	160	DEAD	LinStatic	58,62	-19,66	19,12
136	136	Shell-Thin	161	DEAD	LinStatic	57,41	-25,71	24,73
136	136	Shell-Thin	139	DEAD	LinStatic	45,61	-28,07	41,48
136	136	Shell-Thin	138	STERR	LinStatic	-6,947E-13	2,574E-13	-7,257E-13
136	136	Shell-Thin	160	STERR	LinStatic	-1,18E-12	1,603E-13	-7,967E-14
136	136	Shell-Thin	161	STERR	LinStatic	-1,034E-12	8,913E-13	-5,118E-13
136	136	Shell-Thin	139	STERR	LinStatic	-5,485E-13	9,883E-13	-1,158E-12
136	136	Shell-Thin	138	SSOVRdx	LinStatic	8,22	-0,05563	-2,67
136	136	Shell-Thin	160	SSOVRdx	LinStatic	12,92	0,89	-1,72
136	136	Shell-Thin	161	SSOVRdx	LinStatic	12,49	-1,27	-2,44
136	136	Shell-Thin	139	SSOVRdx	LinStatic	7,79	-2,21	-3,38
136	136	Shell-Thin	138	SSOVRsx	LinStatic	-8,22	0,05563	2,67
136	136	Shell-Thin	160	SSOVRsx	LinStatic	-12,92	-0,89	1,72
136	136	Shell-Thin	161	SSOVRsx	LinStatic	-12,49	1,27	2,44
136	136	Shell-Thin	139	SSOVRsx	LinStatic	-7,79	2,21	3,38
136	136	Shell-Thin	138	SW2	LinStatic	67,04	-70,03	200,64
136	136	Shell-Thin	160	SW2	LinStatic	104,36	-62,56	28,96
136	136	Shell-Thin	161	SW2	LinStatic	80,87	-180,02	121,52
136	136	Shell-Thin	139	SW2	LinStatic	43,55	-187,49	293,2
137	137	Shell-Thin	139	DEAD	LinStatic	47,11	-27,77	40,54
137	137	Shell-Thin	161	DEAD	LinStatic	41,76	-28,84	54,88
137	137	Shell-Thin	162	DEAD	LinStatic	26,14	-106,94	48,11
137	137	Shell-Thin	140	DEAD	LinStatic	31,49	-105,87	33,77
137	137	Shell-Thin	139	STERR	LinStatic	-1,249E-12	8,482E-13	-1,059E-12
137	137	Shell-Thin	161	STERR	LinStatic	-1,541E-12	7,897E-13	-2,348E-12
137	137	Shell-Thin	162	STERR	LinStatic	-7,134E-13	4,929E-12	-1,347E-12
137	137	Shell-Thin	140	STERR	LinStatic	-4,209E-13	4,987E-12	-5,7E-14
137	137	Shell-Thin	139	SSOVRdx	LinStatic	0,64	-3,64	-5,34
137	137	Shell-Thin	161	SSOVRdx	LinStatic	26,03	1,43	-2,96
137	137	Shell-Thin	162	SSOVRdx	LinStatic	27,21	7,37	-9,63
137	137	Shell-Thin	140	SSOVRdx	LinStatic	1,83	2,3	-12,01
137	137	Shell-Thin	139	SSOVRsx	LinStatic	-0,64	3,64	5,34
137	137	Shell-Thin	161	SSOVRsx	LinStatic	-26,03	-1,43	2,96
137	137	Shell-Thin	162	SSOVRsx	LinStatic	-27,21	-7,37	9,63
137	137	Shell-Thin	140	SSOVRsx	LinStatic	-1,83	-2,3	12,01

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
137	137	Shell-Thin	139	SW2	LinStatic	238,93	-148,41	280,61
137	137	Shell-Thin	161	SW2	LinStatic	88,28	-178,54	523,84
137	137	Shell-Thin	162	SW2	LinStatic	-110,72	-1173,52	447,68
137	137	Shell-Thin	140	SW2	LinStatic	39,93	-1143,39	204,45
138	138	Shell-Thin	140	DEAD	LinStatic	26,14	-106,94	16,75
138	138	Shell-Thin	162	DEAD	LinStatic	12,8	-109,6	-7,21
138	138	Shell-Thin	163	DEAD	LinStatic	29,31	-27,05	-19,51
138	138	Shell-Thin	141	DEAD	LinStatic	42,65	-24,38	4,45
138	138	Shell-Thin	140	STERR	LinStatic	-4,517E-13	4,981E-12	9,199E-13
138	138	Shell-Thin	162	STERR	LinStatic	1,503E-12	5,372E-12	1,599E-12
138	138	Shell-Thin	163	STERR	LinStatic	5,883E-13	7,981E-13	1,539E-12
138	138	Shell-Thin	141	STERR	LinStatic	-1,366E-12	4,071E-13	8,604E-13
138	138	Shell-Thin	140	SSOVRdx	LinStatic	6,51	3,23	-11,37
138	138	Shell-Thin	162	SSOVRdx	LinStatic	-15,3	-1,13	-7,63
138	138	Shell-Thin	163	SSOVRdx	LinStatic	-15,24	-0,86	0,04415
138	138	Shell-Thin	141	SSOVRdx	LinStatic	6,56	3,5	-3,69
138	138	Shell-Thin	140	SSOVRsx	LinStatic	-6,51	-3,23	11,37
138	138	Shell-Thin	162	SSOVRsx	LinStatic	15,3	1,13	7,63
138	138	Shell-Thin	163	SSOVRsx	LinStatic	15,24	0,86	-0,04415
138	138	Shell-Thin	141	SSOVRsx	LinStatic	-6,56	-3,5	3,69
138	138	Shell-Thin	140	SW2	LinStatic	49,12	-1141,55	5,42
138	138	Shell-Thin	162	SW2	LinStatic	-172,01	-1185,78	-265,27
138	138	Shell-Thin	163	SW2	LinStatic	29,72	-177,11	-409,86
138	138	Shell-Thin	141	SW2	LinStatic	250,85	-132,88	-139,17
139	139	Shell-Thin	141	DEAD	LinStatic	6,83	-31,54	4,02
139	139	Shell-Thin	163	DEAD	LinStatic	13,9	-30,13	8,05
139	139	Shell-Thin	164	DEAD	LinStatic	17,26	-13,34	13,61
139	139	Shell-Thin	142	DEAD	LinStatic	10,19	-14,76	9,59
139	139	Shell-Thin	141	STERR	LinStatic	1,733E-13	7,151E-13	6,193E-13
139	139	Shell-Thin	163	STERR	LinStatic	2,589E-13	7,322E-13	2,908E-13
139	139	Shell-Thin	164	STERR	LinStatic	1,44E-13	1,576E-13	-6,619E-14
139	139	Shell-Thin	142	STERR	LinStatic	5,837E-14	1,405E-13	2,623E-13
139	139	Shell-Thin	141	SSOVRdx	LinStatic	0,8	2,35	-1,5
139	139	Shell-Thin	163	SSOVRdx	LinStatic	-1,9	1,81	-1,16
139	139	Shell-Thin	164	SSOVRdx	LinStatic	-2,39	-0,66	-0,69
139	139	Shell-Thin	142	SSOVRdx	LinStatic	0,3	-0,12	-1,03
139	139	Shell-Thin	141	SSOVRsx	LinStatic	-0,8	-2,35	1,5
139	139	Shell-Thin	163	SSOVRsx	LinStatic	1,9	-1,81	1,16
139	139	Shell-Thin	164	SSOVRsx	LinStatic	2,39	0,66	0,69
139	139	Shell-Thin	142	SSOVRsx	LinStatic	-0,3	0,12	1,03
139	139	Shell-Thin	141	SW2	LinStatic	-63,79	-195,81	-150,35
139	139	Shell-Thin	163	SW2	LinStatic	-27,41	-188,54	-45,33
139	139	Shell-Thin	164	SW2	LinStatic	5,85	-22,23	52,15
139	139	Shell-Thin	142	SW2	LinStatic	-30,53	-29,5	-52,87
140	140	Shell-Thin	142	DEAD	LinStatic	4,92	-15,81	11,5
140	140	Shell-Thin	164	DEAD	LinStatic	0,46	-16,7	7,97
140	140	Shell-Thin	165	DEAD	LinStatic	3,42	-1,89	5,71
140	140	Shell-Thin	143	DEAD	LinStatic	7,88	-1	9,24
140	140	Shell-Thin	142	STERR	LinStatic	-2,854E-14	1,231E-13	-1,004E-13
140	140	Shell-Thin	164	STERR	LinStatic	1,241E-13	1,536E-13	3,874E-16
140	140	Shell-Thin	165	STERR	LinStatic	5,307E-14	-2,016E-13	-9,128E-15
140	140	Shell-Thin	143	STERR	LinStatic	-9,958E-14	-2,322E-13	-1,099E-13
140	140	Shell-Thin	142	SSOVRdx	LinStatic	-0,15	-0,21	-0,17
140	140	Shell-Thin	164	SSOVRdx	LinStatic	0,73	-0,0333	-0,28
140	140	Shell-Thin	165	SSOVRdx	LinStatic	0,69	-0,24	0,14
140	140	Shell-Thin	143	SSOVRdx	LinStatic	-0,19	-0,42	0,25
140	140	Shell-Thin	142	SSOVRsx	LinStatic	0,15	0,21	0,17
140	140	Shell-Thin	164	SSOVRsx	LinStatic	-0,73	0,0333	0,28
140	140	Shell-Thin	165	SSOVRsx	LinStatic	-0,69	0,24	-0,14
140	140	Shell-Thin	143	SSOVRsx	LinStatic	0,19	0,42	-0,25
140	140	Shell-Thin	142	SW2	LinStatic	25,14	-18,37	38,99
140	140	Shell-Thin	164	SW2	LinStatic	-44,77	-32,35	6,38
140	140	Shell-Thin	165	SW2	LinStatic	-29,49	44,04	-12,12
140	140	Shell-Thin	143	SW2	LinStatic	40,42	58,03	20,49
141	141	Shell-Thin	144	DEAD	LinStatic	152,14	30,43	66,35
141	141	Shell-Thin	180	DEAD	LinStatic	236,67	47,33	58,8
141	141	Shell-Thin	181	DEAD	LinStatic	231,94	23,69	107,5
141	141	Shell-Thin	145	DEAD	LinStatic	147,41	6,78	115,05
141	141	Shell-Thin	144	STERR	LinStatic	1,9E-12	3,801E-13	2,322E-13
141	141	Shell-Thin	180	STERR	LinStatic	2,73E-12	5,459E-13	4,263E-13

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
141	141	Shell-Thin	181	STERR	LinStatic	2,655E-12	1,721E-13	6,747E-13
141	141	Shell-Thin	145	STERR	LinStatic	1,826E-12	6,271E-15	4,806E-13
141	141	Shell-Thin	144	SSOVRdx	LinStatic	-12,5	-2,5	0,63
141	141	Shell-Thin	180	SSOVRdx	LinStatic	-15,09	-3,02	0,24
141	141	Shell-Thin	181	SSOVRdx	LinStatic	-14,51	-0,12	0,82
141	141	Shell-Thin	145	SSOVRdx	LinStatic	-11,92	0,4	1,2
141	141	Shell-Thin	144	SSOVRsx	LinStatic	12,5	2,5	-0,63
141	141	Shell-Thin	180	SSOVRsx	LinStatic	15,09	3,02	-0,24
141	141	Shell-Thin	181	SSOVRsx	LinStatic	14,51	0,12	-0,82
141	141	Shell-Thin	145	SSOVRsx	LinStatic	11,92	-0,4	-1,2
141	141	Shell-Thin	144	SW2	LinStatic	348,84	69,77	129,58
141	141	Shell-Thin	180	SW2	LinStatic	598,37	119,67	179,99
141	141	Shell-Thin	181	SW2	LinStatic	581,46	35,11	309,23
141	141	Shell-Thin	145	SW2	LinStatic	331,93	-14,8	258,82
142	142	Shell-Thin	145	DEAD	LinStatic	135,14	4,33	94,53
142	142	Shell-Thin	181	DEAD	LinStatic	203,61	18,02	65,61
142	142	Shell-Thin	182	DEAD	LinStatic	197,21	-13,99	57,33
142	142	Shell-Thin	146	DEAD	LinStatic	128,74	-27,68	86,25
142	142	Shell-Thin	145	STERR	LinStatic	1,772E-12	-4,487E-15	6,308E-13
142	142	Shell-Thin	181	STERR	LinStatic	2,662E-12	1,734E-13	2,06E-13
142	142	Shell-Thin	182	STERR	LinStatic	2,577E-12	-2,49E-13	2,694E-13
142	142	Shell-Thin	146	STERR	LinStatic	1,687E-12	-4,27E-13	6,942E-13
142	142	Shell-Thin	145	SSOVRdx	LinStatic	-12,95	0,19	1,93
142	142	Shell-Thin	181	SSOVRdx	LinStatic	-18,05	-0,83	1,11
142	142	Shell-Thin	182	SSOVRdx	LinStatic	-17,7	0,93	2,2
142	142	Shell-Thin	146	SSOVRdx	LinStatic	-12,59	1,95	3,03
142	142	Shell-Thin	145	SSOVRsx	LinStatic	12,95	-0,19	-1,93
142	142	Shell-Thin	181	SSOVRsx	LinStatic	18,05	0,83	-1,11
142	142	Shell-Thin	182	SSOVRsx	LinStatic	17,7	-0,93	-2,2
142	142	Shell-Thin	146	SSOVRsx	LinStatic	12,59	-1,95	-3,03
142	142	Shell-Thin	145	SW2	LinStatic	289,42	-23,3	336,34
142	142	Shell-Thin	181	SW2	LinStatic	487,7	16,36	145,23
142	142	Shell-Thin	182	SW2	LinStatic	452,91	-157,61	218,4
142	142	Shell-Thin	146	SW2	LinStatic	254,63	-197,27	409,51
143	143	Shell-Thin	146	DEAD	LinStatic	137,31	-25,97	72,6
143	143	Shell-Thin	182	DEAD	LinStatic	147,83	-23,86	81,28
143	143	Shell-Thin	183	DEAD	LinStatic	133,32	-96,42	60,41
143	143	Shell-Thin	147	DEAD	LinStatic	122,8	-98,52	51,74
143	143	Shell-Thin	146	STERR	LinStatic	1,749E-12	-4,147E-13	3,775E-13
143	143	Shell-Thin	182	STERR	LinStatic	2,751E-12	-2,143E-13	9,851E-13
143	143	Shell-Thin	183	STERR	LinStatic	2,535E-12	-1,293E-12	3,667E-13
143	143	Shell-Thin	147	STERR	LinStatic	1,533E-12	-1,493E-12	-2,409E-13
143	143	Shell-Thin	146	SSOVRdx	LinStatic	-7,42	2,99	4,34
143	143	Shell-Thin	182	SSOVRdx	LinStatic	-27,8	-1,09	2,44
143	143	Shell-Thin	183	SSOVRdx	LinStatic	-28,39	-4,03	7,2
143	143	Shell-Thin	147	SSOVRdx	LinStatic	-8,01	0,05033	9,1
143	143	Shell-Thin	146	SSOVRsx	LinStatic	7,42	-2,99	-4,34
143	143	Shell-Thin	182	SSOVRsx	LinStatic	27,8	1,09	-2,44
143	143	Shell-Thin	183	SSOVRsx	LinStatic	28,39	4,03	-7,2
143	143	Shell-Thin	147	SSOVRsx	LinStatic	8,01	-0,05033	-9,1
143	143	Shell-Thin	146	SW2	LinStatic	481,33	-151,93	348,13
143	143	Shell-Thin	182	SW2	LinStatic	380,04	-172,19	587,46
143	143	Shell-Thin	183	SW2	LinStatic	183,55	-1154,63	422,74
143	143	Shell-Thin	147	SW2	LinStatic	284,84	-1134,37	183,41
144	144	Shell-Thin	147	DEAD	LinStatic	101,75	-102,73	34,16
144	144	Shell-Thin	183	DEAD	LinStatic	112,32	-100,62	4,11
144	144	Shell-Thin	184	DEAD	LinStatic	128,7	-18,76	-5,99
144	144	Shell-Thin	148	DEAD	LinStatic	118,12	-20,88	24,06
144	144	Shell-Thin	147	STERR	LinStatic	1,402E-12	-1,519E-12	-3,754E-13
144	144	Shell-Thin	183	STERR	LinStatic	1,046E-12	-1,59E-12	-7,48E-13
144	144	Shell-Thin	184	STERR	LinStatic	1,332E-12	-1,596E-13	-4,436E-13
144	144	Shell-Thin	148	STERR	LinStatic	1,689E-12	-8,834E-14	-7,104E-14
144	144	Shell-Thin	147	SSOVRdx	LinStatic	-11,96	-0,74	9,27
144	144	Shell-Thin	183	SSOVRdx	LinStatic	4,19	2,49	7,1
144	144	Shell-Thin	184	SSOVRdx	LinStatic	3,78	0,44	2,17
144	144	Shell-Thin	148	SSOVRdx	LinStatic	-12,37	-2,79	4,34
144	144	Shell-Thin	147	SSOVRsx	LinStatic	11,96	0,74	-9,27
144	144	Shell-Thin	183	SSOVRsx	LinStatic	-4,19	-2,49	-7,1
144	144	Shell-Thin	184	SSOVRsx	LinStatic	-3,78	-0,44	-2,17
144	144	Shell-Thin	148	SSOVRsx	LinStatic	12,37	2,79	-4,34

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
144	144	Shell-Thin	147	SW2	LinStatic	222,5	-1146,84	-3,4
144	144	Shell-Thin	183	SW2	LinStatic	135,09	-1164,32	-298,24
144	144	Shell-Thin	184	SW2	LinStatic	337,02	-154,7	-387,4
144	144	Shell-Thin	148	SW2	LinStatic	424,42	-137,22	-92,57
145	145	Shell-Thin	148	DEAD	LinStatic	74,35	-29,63	18,43
145	145	Shell-Thin	184	DEAD	LinStatic	91,87	-26,13	22,44
145	145	Shell-Thin	185	DEAD	LinStatic	94,6	-12,46	27
145	145	Shell-Thin	149	DEAD	LinStatic	77,09	-15,97	22,99
145	145	Shell-Thin	148	STERR	LinStatic	1,085E-12	-2,092E-13	-1,177E-13
145	145	Shell-Thin	184	STERR	LinStatic	1,273E-12	-1,714E-13	1,772E-13
145	145	Shell-Thin	185	STERR	LinStatic	1,284E-12	-1,158E-13	3,034E-13
145	145	Shell-Thin	149	STERR	LinStatic	1,096E-12	-1,535E-13	8,541E-15
145	145	Shell-Thin	148	SSOVRdx	LinStatic	-7,63	-1,84	2,79
145	145	Shell-Thin	184	SSOVRdx	LinStatic	-7,09	-1,74	2,12
145	145	Shell-Thin	185	SSOVRdx	LinStatic	-6,67	0,36	1,7
145	145	Shell-Thin	149	SSOVRdx	LinStatic	-7,21	0,26	2,36
145	145	Shell-Thin	148	SSOVRsx	LinStatic	7,63	1,84	-2,79
145	145	Shell-Thin	184	SSOVRsx	LinStatic	7,09	1,74	-2,12
145	145	Shell-Thin	185	SSOVRsx	LinStatic	6,67	-0,36	-1,7
145	145	Shell-Thin	149	SSOVRsx	LinStatic	7,21	-0,26	-2,36
145	145	Shell-Thin	148	SW2	LinStatic	114,88	-199,13	-118,08
145	145	Shell-Thin	184	SW2	LinStatic	180,8	-185,94	18,62
145	145	Shell-Thin	185	SW2	LinStatic	209,69	-41,5	112,6
145	145	Shell-Thin	149	SW2	LinStatic	143,77	-54,68	-24,09
146	146	Shell-Thin	149	DEAD	LinStatic	46,82	-22,02	35,87
146	146	Shell-Thin	185	DEAD	LinStatic	58,62	-19,66	19,12
146	146	Shell-Thin	186	DEAD	LinStatic	57,41	-25,71	24,73
146	146	Shell-Thin	150	DEAD	LinStatic	45,61	-28,07	41,48
146	146	Shell-Thin	149	STERR	LinStatic	7,018E-13	-2,323E-13	6,296E-13
146	146	Shell-Thin	185	STERR	LinStatic	1,192E-12	-1,342E-13	4,897E-14
146	146	Shell-Thin	186	STERR	LinStatic	1,056E-12	-8,151E-13	4,335E-13
146	146	Shell-Thin	150	STERR	LinStatic	5,657E-13	-9,132E-13	1,014E-12
146	146	Shell-Thin	149	SSOVRdx	LinStatic	-8,22	0,05563	2,67
146	146	Shell-Thin	185	SSOVRdx	LinStatic	-12,92	-0,89	1,72
146	146	Shell-Thin	186	SSOVRdx	LinStatic	-12,49	1,27	2,44
146	146	Shell-Thin	150	SSOVRdx	LinStatic	-7,79	2,21	3,38
146	146	Shell-Thin	149	SSOVRsx	LinStatic	8,22	-0,05563	-2,67
146	146	Shell-Thin	185	SSOVRsx	LinStatic	12,92	0,89	-1,72
146	146	Shell-Thin	186	SSOVRsx	LinStatic	12,49	-1,27	-2,44
146	146	Shell-Thin	150	SSOVRsx	LinStatic	7,79	-2,21	-3,38
146	146	Shell-Thin	149	SW2	LinStatic	67,04	-70,03	200,64
146	146	Shell-Thin	185	SW2	LinStatic	104,36	-62,56	28,96
146	146	Shell-Thin	186	SW2	LinStatic	80,87	-180,02	121,52
146	146	Shell-Thin	150	SW2	LinStatic	43,55	-187,49	293,2
147	147	Shell-Thin	150	DEAD	LinStatic	47,11	-27,77	40,54
147	147	Shell-Thin	186	DEAD	LinStatic	41,76	-28,84	54,88
147	147	Shell-Thin	187	DEAD	LinStatic	26,14	-106,94	48,11
147	147	Shell-Thin	151	DEAD	LinStatic	31,49	-105,87	33,77
147	147	Shell-Thin	150	STERR	LinStatic	1,133E-12	-7,998E-13	8,971E-13
147	147	Shell-Thin	186	STERR	LinStatic	1,655E-12	-6,953E-13	2,099E-12
147	147	Shell-Thin	187	STERR	LinStatic	9,211E-13	-4,366E-12	1,113E-12
147	147	Shell-Thin	151	STERR	LinStatic	3,985E-13	-4,471E-12	-8,839E-14
147	147	Shell-Thin	150	SSOVRdx	LinStatic	-0,64	3,64	5,34
147	147	Shell-Thin	186	SSOVRdx	LinStatic	-26,03	-1,43	2,96
147	147	Shell-Thin	187	SSOVRdx	LinStatic	-27,21	-7,37	9,63
147	147	Shell-Thin	151	SSOVRdx	LinStatic	-1,83	-2,3	12,01
147	147	Shell-Thin	150	SSOVRsx	LinStatic	0,64	-3,64	-5,34
147	147	Shell-Thin	186	SSOVRsx	LinStatic	26,03	1,43	-2,96
147	147	Shell-Thin	187	SSOVRsx	LinStatic	27,21	7,37	-9,63
147	147	Shell-Thin	151	SSOVRsx	LinStatic	1,83	2,3	-12,01
147	147	Shell-Thin	150	SW2	LinStatic	238,93	-148,41	280,61
147	147	Shell-Thin	186	SW2	LinStatic	88,28	-178,54	523,84
147	147	Shell-Thin	187	SW2	LinStatic	-110,72	-1173,52	447,68
147	147	Shell-Thin	151	SW2	LinStatic	39,93	-1143,39	204,45
148	148	Shell-Thin	151	DEAD	LinStatic	26,14	-106,94	16,75
148	148	Shell-Thin	187	DEAD	LinStatic	12,8	-109,6	-7,21
148	148	Shell-Thin	188	DEAD	LinStatic	29,31	-27,05	-19,51
148	148	Shell-Thin	152	DEAD	LinStatic	42,65	-24,38	4,45
148	148	Shell-Thin	151	STERR	LinStatic	4,651E-13	-4,457E-12	-9,651E-13
148	148	Shell-Thin	187	STERR	LinStatic	-1,511E-12	-4,853E-12	-1,519E-12

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
148	148	Shell-Thin	188	STERR	LinStatic	-6,856E-13	-7,246E-13	-1,37E-12
148	148	Shell-Thin	152	STERR	LinStatic	1,291E-12	-3,293E-13	-8,167E-13
148	148	Shell-Thin	151	SSOVRdx	LinStatic	-6,51	-3,23	11,37
148	148	Shell-Thin	187	SSOVRdx	LinStatic	15,3	1,13	7,63
148	148	Shell-Thin	188	SSOVRdx	LinStatic	15,24	0,86	-0,04415
148	148	Shell-Thin	152	SSOVRdx	LinStatic	-6,56	-3,5	3,69
148	148	Shell-Thin	151	SSOVRsx	LinStatic	6,51	3,23	-11,37
148	148	Shell-Thin	187	SSOVRsx	LinStatic	-15,3	-1,13	-7,63
148	148	Shell-Thin	188	SSOVRsx	LinStatic	-15,24	-0,86	0,04415
148	148	Shell-Thin	152	SSOVRsx	LinStatic	6,56	3,5	-3,69
148	148	Shell-Thin	151	SW2	LinStatic	49,12	-1141,55	5,42
148	148	Shell-Thin	187	SW2	LinStatic	-172,01	-1185,78	-265,27
148	148	Shell-Thin	188	SW2	LinStatic	29,72	-177,11	-409,86
148	148	Shell-Thin	152	SW2	LinStatic	250,85	-132,88	-139,17
149	149	Shell-Thin	152	DEAD	LinStatic	6,83	-31,54	4,02
149	149	Shell-Thin	188	DEAD	LinStatic	13,9	-30,13	8,05
149	149	Shell-Thin	189	DEAD	LinStatic	17,26	-13,34	13,61
149	149	Shell-Thin	153	DEAD	LinStatic	10,19	-14,76	9,59
149	149	Shell-Thin	152	STERR	LinStatic	-1,435E-13	-6,162E-13	-5,68E-13
149	149	Shell-Thin	188	STERR	LinStatic	-2,554E-13	-6,386E-13	-2,753E-13
149	149	Shell-Thin	189	STERR	LinStatic	-1,578E-13	-1,503E-13	4,598E-14
149	149	Shell-Thin	153	STERR	LinStatic	-4,581E-14	-1,279E-13	-2,467E-13
149	149	Shell-Thin	152	SSOVRdx	LinStatic	-0,8	-2,35	1,5
149	149	Shell-Thin	188	SSOVRdx	LinStatic	1,9	-1,81	1,16
149	149	Shell-Thin	189	SSOVRdx	LinStatic	2,39	0,66	0,69
149	149	Shell-Thin	153	SSOVRdx	LinStatic	-0,3	0,12	1,03
149	149	Shell-Thin	152	SSOVRsx	LinStatic	0,8	2,35	-1,5
149	149	Shell-Thin	188	SSOVRsx	LinStatic	-1,9	1,81	-1,16
149	149	Shell-Thin	189	SSOVRsx	LinStatic	-2,39	-0,66	-0,69
149	149	Shell-Thin	153	SSOVRsx	LinStatic	0,3	-0,12	-1,03
149	149	Shell-Thin	152	SW2	LinStatic	-63,79	-195,81	-150,35
149	149	Shell-Thin	188	SW2	LinStatic	-27,41	-188,54	-45,33
149	149	Shell-Thin	189	SW2	LinStatic	5,85	-22,23	52,15
149	149	Shell-Thin	153	SW2	LinStatic	-30,53	-29,5	-52,87
150	150	Shell-Thin	153	DEAD	LinStatic	4,92	-15,81	11,5
150	150	Shell-Thin	189	DEAD	LinStatic	0,46	-16,7	7,97
150	150	Shell-Thin	190	DEAD	LinStatic	3,42	-1,89	5,71
150	150	Shell-Thin	154	DEAD	LinStatic	7,88	-1	9,24
150	150	Shell-Thin	153	STERR	LinStatic	2,125E-14	-1,145E-13	8,531E-14
150	150	Shell-Thin	189	STERR	LinStatic	-1,022E-13	-1,392E-13	-4,083E-15
150	150	Shell-Thin	190	STERR	LinStatic	-3,841E-14	1,796E-13	1,245E-14
150	150	Shell-Thin	154	STERR	LinStatic	8,5E-14	2,042E-13	1,018E-13
150	150	Shell-Thin	153	SSOVRdx	LinStatic	0,15	0,21	0,17
150	150	Shell-Thin	189	SSOVRdx	LinStatic	-0,73	0,0333	0,28
150	150	Shell-Thin	190	SSOVRdx	LinStatic	-0,69	0,24	-0,14
150	150	Shell-Thin	154	SSOVRdx	LinStatic	0,19	0,42	-0,25
150	150	Shell-Thin	153	SSOVRsx	LinStatic	-0,15	-0,21	-0,17
150	150	Shell-Thin	189	SSOVRsx	LinStatic	0,73	-0,0333	-0,28
150	150	Shell-Thin	190	SSOVRsx	LinStatic	0,69	-0,24	0,14
150	150	Shell-Thin	154	SSOVRsx	LinStatic	-0,19	-0,42	0,25
150	150	Shell-Thin	153	SW2	LinStatic	25,14	-18,37	38,99
150	150	Shell-Thin	189	SW2	LinStatic	-44,77	-32,35	6,38
150	150	Shell-Thin	190	SW2	LinStatic	-29,49	44,04	-12,12
150	150	Shell-Thin	154	SW2	LinStatic	40,42	58,03	20,49
151	151	Shell-Thin	155	DEAD	LinStatic	236,67	47,33	58,8
151	151	Shell-Thin	191	DEAD	LinStatic	412,56	82,51	41,09
151	151	Shell-Thin	192	DEAD	LinStatic	399,99	19,67	61,04
151	151	Shell-Thin	156	DEAD	LinStatic	224,1	-15,51	78,75
151	151	Shell-Thin	155	STERR	LinStatic	-2,883E-12	-5,766E-13	-4,595E-13
151	151	Shell-Thin	191	STERR	LinStatic	-4,454E-12	-8,907E-13	-1,181E-13
151	151	Shell-Thin	192	STERR	LinStatic	-4,295E-12	-9,617E-14	-2,414E-13
151	151	Shell-Thin	156	STERR	LinStatic	-2,724E-12	2,179E-13	-5,828E-13
151	151	Shell-Thin	155	SSOVRdx	LinStatic	15,09	3,02	-0,24
151	151	Shell-Thin	191	SSOVRdx	LinStatic	17,85	3,57	0,17
151	151	Shell-Thin	192	SSOVRdx	LinStatic	17,03	-0,51	0,08761
151	151	Shell-Thin	156	SSOVRdx	LinStatic	14,28	-1,06	-0,33
151	151	Shell-Thin	155	SSOVRsx	LinStatic	-15,09	-3,02	0,24
151	151	Shell-Thin	191	SSOVRsx	LinStatic	-17,85	-3,57	-0,17
151	151	Shell-Thin	192	SSOVRsx	LinStatic	-17,03	0,51	-0,08761
151	151	Shell-Thin	156	SSOVRsx	LinStatic	-14,28	1,06	0,33

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
151	151	Shell-Thin	155	SW2	LinStatic	598,37	119,67	179,99
151	151	Shell-Thin	191	SW2	LinStatic	1137,26	227,45	30,37
151	151	Shell-Thin	192	SW2	LinStatic	1104,87	65,48	82,17
151	151	Shell-Thin	156	SW2	LinStatic	565,98	-42,3	231,78
152	152	Shell-Thin	156	DEAD	LinStatic	195,77	-21,18	36,86
152	152	Shell-Thin	192	DEAD	LinStatic	192,95	-21,74	25,29
152	152	Shell-Thin	193	DEAD	LinStatic	194,47	-14,11	15,17
152	152	Shell-Thin	157	DEAD	LinStatic	197,3	-13,55	26,74
152	152	Shell-Thin	156	STERR	LinStatic	-2,711E-12	2,205E-13	-8,634E-14
152	152	Shell-Thin	192	STERR	LinStatic	-2,959E-12	1,709E-13	-3,444E-13
152	152	Shell-Thin	193	STERR	LinStatic	-2,943E-12	2,526E-13	-3,572E-13
152	152	Shell-Thin	157	STERR	LinStatic	-2,695E-12	3,022E-13	-9,907E-14
152	152	Shell-Thin	156	SSOVRdx	LinStatic	17,81	-0,35	-0,62
152	152	Shell-Thin	192	SSOVRdx	LinStatic	16,39	-0,63	0,02979
152	152	Shell-Thin	193	SSOVRdx	LinStatic	16,12	-2,01	0,49
152	152	Shell-Thin	157	SSOVRdx	LinStatic	17,54	-1,72	-0,16
152	152	Shell-Thin	156	SSOVRsx	LinStatic	-17,81	0,35	0,62
152	152	Shell-Thin	192	SSOVRsx	LinStatic	-16,39	0,63	-0,02979
152	152	Shell-Thin	193	SSOVRsx	LinStatic	-16,12	2,01	-0,49
152	152	Shell-Thin	157	SSOVRsx	LinStatic	-17,54	1,72	0,16
152	152	Shell-Thin	156	SW2	LinStatic	472,22	-61,05	67,78
152	152	Shell-Thin	192	SW2	LinStatic	568,65	-41,76	155,27
152	152	Shell-Thin	193	SW2	LinStatic	539,96	-185,22	185,48
152	152	Shell-Thin	157	SW2	LinStatic	443,53	-204,51	97,99
153	153	Shell-Thin	157	DEAD	LinStatic	147,92	-23,42	50,69
153	153	Shell-Thin	193	DEAD	LinStatic	119	-29,21	25,99
153	153	Shell-Thin	194	DEAD	LinStatic	134,05	46,05	21,29
153	153	Shell-Thin	158	DEAD	LinStatic	162,98	51,84	45,99
153	153	Shell-Thin	157	STERR	LinStatic	-2,825E-12	2,763E-13	-8,522E-13
153	153	Shell-Thin	193	STERR	LinStatic	-1,634E-12	5,144E-13	-2,603E-13
153	153	Shell-Thin	194	STERR	LinStatic	-1,886E-12	-7,442E-13	-2,573E-13
153	153	Shell-Thin	158	STERR	LinStatic	-3,076E-12	-9,823E-13	-8,491E-13
153	153	Shell-Thin	157	SSOVRdx	LinStatic	27,64	0,3	-0,39
153	153	Shell-Thin	193	SSOVRdx	LinStatic	8,02	-3,63	1,83
153	153	Shell-Thin	194	SSOVRdx	LinStatic	8,51	-1,17	4,8
153	153	Shell-Thin	158	SSOVRdx	LinStatic	28,13	2,76	2,58
153	153	Shell-Thin	157	SSOVRsx	LinStatic	-27,64	-0,3	0,39
153	153	Shell-Thin	193	SSOVRsx	LinStatic	-8,02	3,63	-1,83
153	153	Shell-Thin	194	SSOVRsx	LinStatic	-8,51	1,17	-4,8
153	153	Shell-Thin	158	SSOVRsx	LinStatic	-28,13	-2,76	-2,58
153	153	Shell-Thin	157	SW2	LinStatic	370,66	-219,08	467,04
153	153	Shell-Thin	193	SW2	LinStatic	-115,56	-316,32	187,72
153	153	Shell-Thin	194	SW2	LinStatic	64,06	581,75	115,07
153	153	Shell-Thin	158	SW2	LinStatic	550,27	679	394,4
154	154	Shell-Thin	158	DEAD	LinStatic	141,98	47,64	-10,31
154	154	Shell-Thin	194	DEAD	LinStatic	110,47	41,34	1,26
154	154	Shell-Thin	195	DEAD	LinStatic	97,31	-24,43	-4,06
154	154	Shell-Thin	159	DEAD	LinStatic	128,82	-18,13	-15,64
154	154	Shell-Thin	158	STERR	LinStatic	-1,632E-12	-6,934E-13	3,341E-13
154	154	Shell-Thin	194	STERR	LinStatic	-2,13E-12	-7,931E-13	-1,934E-13
154	154	Shell-Thin	195	STERR	LinStatic	-1,931E-12	2,043E-13	-1,308E-14
154	154	Shell-Thin	159	STERR	LinStatic	-1,432E-12	3,04E-13	5,145E-13
154	154	Shell-Thin	158	SSOVRdx	LinStatic	-4,45	-3,76	2,68
154	154	Shell-Thin	194	SSOVRdx	LinStatic	18,54	0,84	5,33
154	154	Shell-Thin	195	SSOVRdx	LinStatic	19,2	4,11	2,13
154	154	Shell-Thin	159	SSOVRdx	LinStatic	-3,79	-0,49	-0,52
154	154	Shell-Thin	158	SSOVRsx	LinStatic	4,45	3,76	-2,68
154	154	Shell-Thin	194	SSOVRsx	LinStatic	-18,54	-0,84	-5,33
154	154	Shell-Thin	195	SSOVRsx	LinStatic	-19,2	-4,11	-2,13
154	154	Shell-Thin	159	SSOVRsx	LinStatic	3,79	0,49	0,52
154	154	Shell-Thin	158	SW2	LinStatic	501,82	669,31	-326,58
154	154	Shell-Thin	194	SW2	LinStatic	9,62	570,87	-73,93
154	154	Shell-Thin	195	SW2	LinStatic	-163,25	-293,47	-125,39
154	154	Shell-Thin	159	SW2	LinStatic	328,95	-195,02	-378,05
155	155	Shell-Thin	159	DEAD	LinStatic	92	-25,49	12,79
155	155	Shell-Thin	195	DEAD	LinStatic	115,84	-20,73	-5,72
155	155	Shell-Thin	196	DEAD	LinStatic	121,2	6,11	-1,69
155	155	Shell-Thin	160	DEAD	LinStatic	97,36	1,34	16,82
155	155	Shell-Thin	159	STERR	LinStatic	-1,304E-12	3,296E-13	-1,543E-13
155	155	Shell-Thin	195	STERR	LinStatic	-2,388E-12	1,129E-13	3,183E-13

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
155	155	Shell-Thin	196	STERR	LinStatic	-2,47E-12	-3,008E-13	2,053E-13
155	155	Shell-Thin	160	STERR	LinStatic	-1,387E-12	-8,403E-14	-2,674E-13
155	155	Shell-Thin	159	SSOVRdx	LinStatic	7,08	1,69	-0,47
155	155	Shell-Thin	195	SSOVRdx	LinStatic	11,73	2,62	0,01607
155	155	Shell-Thin	196	SSOVRdx	LinStatic	11,22	0,06103	-0,42
155	155	Shell-Thin	160	SSOVRdx	LinStatic	6,57	-0,87	-0,91
155	155	Shell-Thin	159	SSOVRsx	LinStatic	-7,08	-1,69	0,47
155	155	Shell-Thin	195	SSOVRsx	LinStatic	-11,73	-2,62	-0,01607
155	155	Shell-Thin	196	SSOVRsx	LinStatic	-11,22	-0,06103	0,42
155	155	Shell-Thin	160	SSOVRsx	LinStatic	-6,57	0,87	0,91
155	155	Shell-Thin	159	SW2	LinStatic	172,74	-226,27	27,97
155	155	Shell-Thin	195	SW2	LinStatic	382,19	-184,38	-145,77
155	155	Shell-Thin	196	SW2	LinStatic	436,29	86,11	-91,76
155	155	Shell-Thin	160	SW2	LinStatic	226,83	44,22	81,97
156	156	Shell-Thin	160	DEAD	LinStatic	61,38	-5,86	8,94
156	156	Shell-Thin	196	DEAD	LinStatic	81,38	-1,86	14,15
156	156	Shell-Thin	197	DEAD	LinStatic	78,49	-16,31	17,9
156	156	Shell-Thin	161	DEAD	LinStatic	58,49	-20,31	12,69
156	156	Shell-Thin	160	STERR	LinStatic	-1,222E-12	-5,11E-14	5,214E-15
156	156	Shell-Thin	196	STERR	LinStatic	-1,658E-12	-1,383E-13	-5,073E-13
156	156	Shell-Thin	197	STERR	LinStatic	-1,454E-12	8,834E-13	-7,278E-13
156	156	Shell-Thin	161	STERR	LinStatic	-1,018E-12	9,706E-13	-2,153E-13
156	156	Shell-Thin	160	SSOVRdx	LinStatic	12,82	0,38	-0,93
156	156	Shell-Thin	196	SSOVRdx	LinStatic	11,32	0,0803	-0,28
156	156	Shell-Thin	197	SSOVRdx	LinStatic	10,89	-2,07	0,17
156	156	Shell-Thin	161	SSOVRdx	LinStatic	12,39	-1,77	-0,48
156	156	Shell-Thin	160	SSOVRsx	LinStatic	-12,82	-0,38	0,93
156	156	Shell-Thin	196	SSOVRsx	LinStatic	-11,32	-0,0803	0,28
156	156	Shell-Thin	197	SSOVRsx	LinStatic	-10,89	2,07	-0,17
156	156	Shell-Thin	161	SSOVRsx	LinStatic	-12,39	1,77	0,48
156	156	Shell-Thin	160	SW2	LinStatic	121,5	23,15	-1,67
156	156	Shell-Thin	196	SW2	LinStatic	307,3	60,31	129,99
156	156	Shell-Thin	197	SW2	LinStatic	260,94	-171,53	184,75
156	156	Shell-Thin	161	SW2	LinStatic	75,14	-208,69	53,09
157	157	Shell-Thin	161	DEAD	LinStatic	42,84	-23,44	42,84
157	157	Shell-Thin	197	DEAD	LinStatic	3,44	-31,32	19,44
157	157	Shell-Thin	198	DEAD	LinStatic	18,3	42,98	13,93
157	157	Shell-Thin	162	DEAD	LinStatic	57,7	50,86	37,33
157	157	Shell-Thin	161	STERR	LinStatic	-1,525E-12	8,691E-13	-2,052E-12
157	157	Shell-Thin	197	STERR	LinStatic	2,048E-12	1,584E-12	-9,159E-13
157	157	Shell-Thin	198	STERR	LinStatic	1,231E-12	-2,5E-12	-7,583E-13
157	157	Shell-Thin	162	STERR	LinStatic	-2,342E-12	-3,214E-12	-1,894E-12
157	157	Shell-Thin	161	SSOVRdx	LinStatic	25,93	0,93	-1
157	157	Shell-Thin	197	SSOVRdx	LinStatic	1,81	-3,89	2,16
157	157	Shell-Thin	198	SSOVRdx	LinStatic	2,05	-2,7	6,22
157	157	Shell-Thin	162	SSOVRdx	LinStatic	26,16	2,12	3,05
157	157	Shell-Thin	161	SSOVRsx	LinStatic	-25,93	-0,93	1
157	157	Shell-Thin	197	SSOVRsx	LinStatic	-1,81	3,89	-2,16
157	157	Shell-Thin	198	SSOVRsx	LinStatic	-2,05	2,7	-6,22
157	157	Shell-Thin	162	SSOVRsx	LinStatic	-26,16	-2,12	-3,05
157	157	Shell-Thin	161	SW2	LinStatic	82,55	-207,2	455,41
157	157	Shell-Thin	197	SW2	LinStatic	-466,96	-317,11	181,02
157	157	Shell-Thin	198	SW2	LinStatic	-287,5	580,19	119,48
157	157	Shell-Thin	162	SW2	LinStatic	262	690,09	393,88
158	158	Shell-Thin	162	DEAD	LinStatic	44,36	48,19	-17,99
158	158	Shell-Thin	198	DEAD	LinStatic	6,73	40,67	-4,43
158	158	Shell-Thin	199	DEAD	LinStatic	-7	-28	-7,59
158	158	Shell-Thin	163	DEAD	LinStatic	30,63	-20,47	-21,15
158	158	Shell-Thin	162	STERR	LinStatic	-1,256E-13	-2,771E-12	1,051E-12
158	158	Shell-Thin	198	STERR	LinStatic	7,961E-13	-2,587E-12	3,241E-13
158	158	Shell-Thin	199	STERR	LinStatic	1,536E-12	1,113E-12	6E-13
158	158	Shell-Thin	163	STERR	LinStatic	6,143E-13	9,283E-13	1,327E-12
158	158	Shell-Thin	162	SSOVRdx	LinStatic	-16,35	-6,38	5,05
158	158	Shell-Thin	198	SSOVRdx	LinStatic	14,44	-0,22	6,72
158	158	Shell-Thin	199	SSOVRdx	LinStatic	15,67	5,95	3,2
158	158	Shell-Thin	163	SSOVRdx	LinStatic	-15,11	-0,2	1,53
158	158	Shell-Thin	162	SSOVRsx	LinStatic	16,35	6,38	-5,05
158	158	Shell-Thin	198	SSOVRsx	LinStatic	-14,44	0,22	-6,72
158	158	Shell-Thin	199	SSOVRsx	LinStatic	-15,67	-5,95	-3,2
158	158	Shell-Thin	163	SSOVRsx	LinStatic	15,11	0,2	-1,53

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
158	158	Shell-Thin	162	SW2	LinStatic	200,71	677,83	-319,07
158	158	Shell-Thin	198	SW2	LinStatic	-324,46	572,79	-93,84
158	158	Shell-Thin	199	SW2	LinStatic	-500,02	-305	-137,63
158	158	Shell-Thin	163	SW2	LinStatic	25,15	-199,96	-362,86
159	159	Shell-Thin	163	DEAD	LinStatic	15,22	-23,55	6,41
159	159	Shell-Thin	199	DEAD	LinStatic	16,21	-23,36	-3,59
159	159	Shell-Thin	200	DEAD	LinStatic	20,93	0,27	-1,25
159	159	Shell-Thin	164	DEAD	LinStatic	19,95	0,07709	8,75
159	159	Shell-Thin	163	STERR	LinStatic	2,85E-13	8,624E-13	7,883E-14
159	159	Shell-Thin	199	STERR	LinStatic	-1,203E-14	8,03E-13	2,953E-13
159	159	Shell-Thin	200	STERR	LinStatic	-2,079E-13	-1,764E-13	1,579E-13
159	159	Shell-Thin	164	STERR	LinStatic	8,911E-14	-1,17E-13	-5,859E-14
159	159	Shell-Thin	163	SSOVRdx	LinStatic	-1,77	2,46	0,33
159	159	Shell-Thin	199	SSOVRdx	LinStatic	1,61	3,14	1,47
159	159	Shell-Thin	200	SSOVRdx	LinStatic	0,96	-0,09444	0,8
159	159	Shell-Thin	164	SSOVRdx	LinStatic	-2,42	-0,77	-0,34
159	159	Shell-Thin	163	SSOVRsx	LinStatic	1,77	-2,46	-0,33
159	159	Shell-Thin	199	SSOVRsx	LinStatic	-1,61	-3,14	-1,47
159	159	Shell-Thin	200	SSOVRsx	LinStatic	-0,96	0,09444	-0,8
159	159	Shell-Thin	164	SSOVRsx	LinStatic	2,42	0,77	0,34
159	159	Shell-Thin	163	SW2	LinStatic	-31,98	-211,39	1,66
159	159	Shell-Thin	199	SW2	LinStatic	-16,86	-208,37	-98,37
159	159	Shell-Thin	200	SW2	LinStatic	32,23	37,11	-64,48
159	159	Shell-Thin	164	SW2	LinStatic	17,11	34,08	35,55
160	160	Shell-Thin	164	DEAD	LinStatic	3,14	-3,28	3,11
160	160	Shell-Thin	200	DEAD	LinStatic	8,89	-2,13	3,67
160	160	Shell-Thin	201	DEAD	LinStatic	8,8	-2,58	4,28
160	160	Shell-Thin	165	DEAD	LinStatic	3,05	-3,73	3,72
160	160	Shell-Thin	164	STERR	LinStatic	6,921E-14	-1,209E-13	7,988E-15
160	160	Shell-Thin	200	STERR	LinStatic	-2,338E-13	-1,815E-13	-7,258E-14
160	160	Shell-Thin	201	STERR	LinStatic	-1,979E-13	-2,014E-15	-1,198E-13
160	160	Shell-Thin	165	STERR	LinStatic	1,051E-13	5,858E-14	-3,927E-14
160	160	Shell-Thin	164	SSOVRdx	LinStatic	0,71	-0,15	0,06177
160	160	Shell-Thin	200	SSOVRdx	LinStatic	-1,12	-0,51	-0,31
160	160	Shell-Thin	201	SSOVRdx	LinStatic	-1,06	-0,22	-0,51
160	160	Shell-Thin	165	SSOVRdx	LinStatic	0,77	0,15	-0,14
160	160	Shell-Thin	164	SSOVRsx	LinStatic	-0,71	0,15	-0,06177
160	160	Shell-Thin	200	SSOVRsx	LinStatic	1,12	0,51	0,31
160	160	Shell-Thin	201	SSOVRsx	LinStatic	1,06	0,22	0,51
160	160	Shell-Thin	165	SSOVRsx	LinStatic	-0,77	-0,15	0,14
160	160	Shell-Thin	164	SW2	LinStatic	-33,51	23,96	-10,22
160	160	Shell-Thin	200	SW2	LinStatic	72,13	45,09	23,55
160	160	Shell-Thin	201	SW2	LinStatic	64,44	6,62	40,89
160	160	Shell-Thin	165	SW2	LinStatic	-41,2	-14,51	7,12
161	161	Shell-Thin	180	DEAD	LinStatic	236,67	47,33	58,8
161	161	Shell-Thin	202	DEAD	LinStatic	412,56	82,51	41,09
161	161	Shell-Thin	203	DEAD	LinStatic	399,99	19,67	61,04
161	161	Shell-Thin	181	DEAD	LinStatic	224,1	-15,51	78,75
161	161	Shell-Thin	180	STERR	LinStatic	2,73E-12	5,459E-13	4,263E-13
161	161	Shell-Thin	202	STERR	LinStatic	4,188E-12	8,376E-13	1,034E-13
161	161	Shell-Thin	203	STERR	LinStatic	4,038E-12	8,526E-14	2,165E-13
161	161	Shell-Thin	181	STERR	LinStatic	2,579E-12	-2,065E-13	5,394E-13
161	161	Shell-Thin	180	SSOVRdx	LinStatic	-15,09	-3,02	0,24
161	161	Shell-Thin	202	SSOVRdx	LinStatic	-17,85	-3,57	-0,17
161	161	Shell-Thin	203	SSOVRdx	LinStatic	-17,03	0,51	-0,08761
161	161	Shell-Thin	181	SSOVRdx	LinStatic	-14,28	1,06	0,33
161	161	Shell-Thin	180	SSOVRsx	LinStatic	15,09	3,02	-0,24
161	161	Shell-Thin	202	SSOVRsx	LinStatic	17,85	3,57	0,17
161	161	Shell-Thin	203	SSOVRsx	LinStatic	17,03	-0,51	0,08761
161	161	Shell-Thin	181	SSOVRsx	LinStatic	14,28	-1,06	-0,33
161	161	Shell-Thin	180	SW2	LinStatic	598,37	119,67	179,99
161	161	Shell-Thin	202	SW2	LinStatic	1137,26	227,45	30,37
161	161	Shell-Thin	203	SW2	LinStatic	1104,87	65,48	82,17
161	161	Shell-Thin	181	SW2	LinStatic	565,98	-42,3	231,78
162	162	Shell-Thin	181	DEAD	LinStatic	195,77	-21,18	36,86
162	162	Shell-Thin	203	DEAD	LinStatic	192,95	-21,74	25,29
162	162	Shell-Thin	204	DEAD	LinStatic	194,47	-14,11	15,17
162	162	Shell-Thin	182	DEAD	LinStatic	197,3	-13,55	26,74
162	162	Shell-Thin	181	STERR	LinStatic	2,586E-12	-2,051E-13	7,078E-14
162	162	Shell-Thin	203	STERR	LinStatic	2,804E-12	-1,614E-13	3,243E-13

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
162	162	Shell-Thin	204	STERR	LinStatic	2,787E-12	-2,486E-13	3,408E-13
162	162	Shell-Thin	182	STERR	LinStatic	2,568E-12	-2,923E-13	8,721E-14
162	162	Shell-Thin	181	SSOVRdx	LinStatic	-17,81	0,35	0,62
162	162	Shell-Thin	203	SSOVRdx	LinStatic	-16,39	0,63	-0,02979
162	162	Shell-Thin	204	SSOVRdx	LinStatic	-16,12	2,01	-0,49
162	162	Shell-Thin	182	SSOVRdx	LinStatic	-17,54	1,72	0,16
162	162	Shell-Thin	181	SSOVRsx	LinStatic	17,81	-0,35	-0,62
162	162	Shell-Thin	203	SSOVRsx	LinStatic	16,39	-0,63	0,02979
162	162	Shell-Thin	204	SSOVRsx	LinStatic	16,12	-2,01	0,49
162	162	Shell-Thin	182	SSOVRsx	LinStatic	17,54	-1,72	-0,16
162	162	Shell-Thin	181	SW2	LinStatic	472,22	-61,05	67,78
162	162	Shell-Thin	203	SW2	LinStatic	568,65	-41,76	155,27
162	162	Shell-Thin	204	SW2	LinStatic	539,96	-185,22	185,48
162	162	Shell-Thin	182	SW2	LinStatic	443,53	-204,51	97,99
163	163	Shell-Thin	182	DEAD	LinStatic	147,92	-23,42	50,69
163	163	Shell-Thin	204	DEAD	LinStatic	119	-29,21	25,99
163	163	Shell-Thin	205	DEAD	LinStatic	134,05	46,05	21,29
163	163	Shell-Thin	183	DEAD	LinStatic	162,98	51,84	45,99
163	163	Shell-Thin	182	STERR	LinStatic	2,742E-12	-2,576E-13	8,029E-13
163	163	Shell-Thin	204	STERR	LinStatic	1,524E-12	-5,012E-13	2,502E-13
163	163	Shell-Thin	205	STERR	LinStatic	1,763E-12	6,966E-13	2,55E-13
163	163	Shell-Thin	183	STERR	LinStatic	2,981E-12	9,403E-13	8,077E-13
163	163	Shell-Thin	182	SSOVRdx	LinStatic	-27,64	-0,3	0,39
163	163	Shell-Thin	204	SSOVRdx	LinStatic	-8,02	3,63	-1,83
163	163	Shell-Thin	205	SSOVRdx	LinStatic	-8,51	1,17	-4,8
163	163	Shell-Thin	183	SSOVRdx	LinStatic	-28,13	-2,76	-2,58
163	163	Shell-Thin	182	SSOVRsx	LinStatic	27,64	0,3	-0,39
163	163	Shell-Thin	204	SSOVRsx	LinStatic	8,02	-3,63	1,83
163	163	Shell-Thin	205	SSOVRsx	LinStatic	8,51	-1,17	4,8
163	163	Shell-Thin	183	SSOVRsx	LinStatic	28,13	2,76	2,58
163	163	Shell-Thin	182	SW2	LinStatic	370,66	-219,08	467,04
163	163	Shell-Thin	204	SW2	LinStatic	-115,56	-316,32	187,72
163	163	Shell-Thin	205	SW2	LinStatic	64,06	581,75	115,07
163	163	Shell-Thin	183	SW2	LinStatic	550,27	679	394,4
164	164	Shell-Thin	183	DEAD	LinStatic	141,98	47,64	-10,31
164	164	Shell-Thin	205	DEAD	LinStatic	110,47	41,34	1,26
164	164	Shell-Thin	206	DEAD	LinStatic	97,31	-24,43	-4,06
164	164	Shell-Thin	184	DEAD	LinStatic	128,82	-18,13	-15,64
164	164	Shell-Thin	183	STERR	LinStatic	1,493E-12	6,425E-13	-3,07E-13
164	164	Shell-Thin	205	STERR	LinStatic	2,042E-12	7,523E-13	1,945E-13
164	164	Shell-Thin	206	STERR	LinStatic	1,856E-12	-1,776E-13	1,474E-14
164	164	Shell-Thin	184	STERR	LinStatic	1,307E-12	-2,873E-13	-4,867E-13
164	164	Shell-Thin	183	SSOVRdx	LinStatic	4,45	3,76	-2,68
164	164	Shell-Thin	205	SSOVRdx	LinStatic	-18,54	-0,84	-5,33
164	164	Shell-Thin	206	SSOVRdx	LinStatic	-19,2	-4,11	-2,13
164	164	Shell-Thin	184	SSOVRdx	LinStatic	3,79	0,49	0,52
164	164	Shell-Thin	183	SSOVRsx	LinStatic	-4,45	-3,76	2,68
164	164	Shell-Thin	205	SSOVRsx	LinStatic	18,54	0,84	5,33
164	164	Shell-Thin	206	SSOVRsx	LinStatic	19,2	4,11	2,13
164	164	Shell-Thin	184	SSOVRsx	LinStatic	-3,79	-0,49	-0,52
164	164	Shell-Thin	183	SW2	LinStatic	501,82	669,31	-326,58
164	164	Shell-Thin	205	SW2	LinStatic	9,62	570,87	-73,93
164	164	Shell-Thin	206	SW2	LinStatic	-163,25	-293,47	-125,39
164	164	Shell-Thin	184	SW2	LinStatic	328,95	-195,02	-378,05
165	165	Shell-Thin	184	DEAD	LinStatic	92	-25,49	12,79
165	165	Shell-Thin	206	DEAD	LinStatic	115,84	-20,73	-5,72
165	165	Shell-Thin	207	DEAD	LinStatic	121,2	6,11	-1,69
165	165	Shell-Thin	185	DEAD	LinStatic	97,36	1,34	16,82
165	165	Shell-Thin	184	STERR	LinStatic	1,248E-12	-2,991E-13	1,341E-13
165	165	Shell-Thin	206	STERR	LinStatic	2,266E-12	-9,545E-14	-2,972E-13
165	165	Shell-Thin	207	STERR	LinStatic	2,34E-12	2,741E-13	-1,943E-13
165	165	Shell-Thin	185	STERR	LinStatic	1,322E-12	7,04E-14	2,37E-13
165	165	Shell-Thin	184	SSOVRdx	LinStatic	-7,08	-1,69	0,47
165	165	Shell-Thin	206	SSOVRdx	LinStatic	-11,73	-2,62	-0,01607
165	165	Shell-Thin	207	SSOVRdx	LinStatic	-11,22	-0,06103	0,42
165	165	Shell-Thin	185	SSOVRdx	LinStatic	-6,57	0,87	0,91
165	165	Shell-Thin	184	SSOVRsx	LinStatic	7,08	1,69	-0,47
165	165	Shell-Thin	206	SSOVRsx	LinStatic	11,73	2,62	0,01607
165	165	Shell-Thin	207	SSOVRsx	LinStatic	11,22	0,06103	-0,42
165	165	Shell-Thin	185	SSOVRsx	LinStatic	6,57	-0,87	-0,91

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
165	165	Shell-Thin	184	SW2	LinStatic	172,74	-226,27	27,97
165	165	Shell-Thin	206	SW2	LinStatic	382,19	-184,38	-145,77
165	165	Shell-Thin	207	SW2	LinStatic	436,29	86,11	-91,76
165	165	Shell-Thin	185	SW2	LinStatic	226,83	44,22	81,97
166	166	Shell-Thin	185	DEAD	LinStatic	61,38	-5,86	8,94
166	166	Shell-Thin	207	DEAD	LinStatic	81,38	-1,86	14,15
166	166	Shell-Thin	208	DEAD	LinStatic	78,49	-16,31	17,9
166	166	Shell-Thin	186	DEAD	LinStatic	58,49	-20,31	12,69
166	166	Shell-Thin	185	STERR	LinStatic	1,229E-12	5,193E-14	-1,748E-14
166	166	Shell-Thin	207	STERR	LinStatic	1,615E-12	1,29E-13	4,619E-13
166	166	Shell-Thin	208	STERR	LinStatic	1,426E-12	-8,154E-13	6,65E-13
166	166	Shell-Thin	186	STERR	LinStatic	1,04E-12	-8,925E-13	1,856E-13
166	166	Shell-Thin	185	SSOVRdx	LinStatic	-12,82	-0,38	0,93
166	166	Shell-Thin	207	SSOVRdx	LinStatic	-11,32	-0,0803	0,28
166	166	Shell-Thin	208	SSOVRdx	LinStatic	-10,89	2,07	-0,17
166	166	Shell-Thin	186	SSOVRdx	LinStatic	-12,39	1,77	0,48
166	166	Shell-Thin	185	SSOVRsx	LinStatic	12,82	0,38	-0,93
166	166	Shell-Thin	207	SSOVRsx	LinStatic	11,32	0,0803	-0,28
166	166	Shell-Thin	208	SSOVRsx	LinStatic	10,89	-2,07	0,17
166	166	Shell-Thin	186	SSOVRsx	LinStatic	12,39	-1,77	-0,48
166	166	Shell-Thin	185	SW2	LinStatic	121,5	23,15	-1,67
166	166	Shell-Thin	207	SW2	LinStatic	307,3	60,31	129,99
166	166	Shell-Thin	208	SW2	LinStatic	260,94	-171,53	184,75
166	166	Shell-Thin	186	SW2	LinStatic	75,14	-208,69	53,09
167	167	Shell-Thin	186	DEAD	LinStatic	42,84	-23,44	42,84
167	167	Shell-Thin	208	DEAD	LinStatic	3,44	-31,32	19,44
167	167	Shell-Thin	209	DEAD	LinStatic	18,3	42,98	13,93
167	167	Shell-Thin	187	DEAD	LinStatic	57,7	50,86	37,33
167	167	Shell-Thin	186	STERR	LinStatic	1,64E-12	-7,727E-13	1,851E-12
167	167	Shell-Thin	208	STERR	LinStatic	-1,83E-12	-1,467E-12	8,439E-13
167	167	Shell-Thin	209	STERR	LinStatic	-1,092E-12	2,224E-12	7,347E-13
167	167	Shell-Thin	187	STERR	LinStatic	2,378E-12	2,918E-12	1,741E-12
167	167	Shell-Thin	186	SSOVRdx	LinStatic	-25,93	-0,93	1
167	167	Shell-Thin	208	SSOVRdx	LinStatic	-1,81	3,89	-2,16
167	167	Shell-Thin	209	SSOVRdx	LinStatic	-2,05	2,7	-6,22
167	167	Shell-Thin	187	SSOVRdx	LinStatic	-26,16	-2,12	-3,05
167	167	Shell-Thin	186	SSOVRsx	LinStatic	25,93	0,93	-1
167	167	Shell-Thin	208	SSOVRsx	LinStatic	1,81	-3,89	2,16
167	167	Shell-Thin	209	SSOVRsx	LinStatic	2,05	-2,7	6,22
167	167	Shell-Thin	187	SSOVRsx	LinStatic	26,16	2,12	3,05
167	167	Shell-Thin	186	SW2	LinStatic	82,55	-207,2	455,41
167	167	Shell-Thin	208	SW2	LinStatic	-466,96	-317,11	181,02
167	167	Shell-Thin	209	SW2	LinStatic	-287,5	580,19	119,48
167	167	Shell-Thin	187	SW2	LinStatic	262	690,09	393,88
168	168	Shell-Thin	187	DEAD	LinStatic	44,36	48,19	-17,99
168	168	Shell-Thin	209	DEAD	LinStatic	6,73	40,67	-4,43
168	168	Shell-Thin	210	DEAD	LinStatic	-7	-28	-7,59
168	168	Shell-Thin	188	DEAD	LinStatic	30,63	-20,47	-21,15
168	168	Shell-Thin	187	STERR	LinStatic	-5,437E-14	2,432E-12	-8,905E-13
168	168	Shell-Thin	209	STERR	LinStatic	-5,704E-13	2,329E-12	-2,356E-13
168	168	Shell-Thin	210	STERR	LinStatic	-1,225E-12	-9,424E-13	-5,125E-13
168	168	Shell-Thin	188	STERR	LinStatic	-7,086E-13	-8,392E-13	-1,167E-12
168	168	Shell-Thin	187	SSOVRdx	LinStatic	16,35	6,38	-5,05
168	168	Shell-Thin	209	SSOVRdx	LinStatic	-14,44	0,22	-6,72
168	168	Shell-Thin	210	SSOVRdx	LinStatic	-15,67	-5,95	-3,2
168	168	Shell-Thin	188	SSOVRdx	LinStatic	15,11	0,2	-1,53
168	168	Shell-Thin	187	SSOVRsx	LinStatic	-16,35	-6,38	5,05
168	168	Shell-Thin	209	SSOVRsx	LinStatic	14,44	-0,22	6,72
168	168	Shell-Thin	210	SSOVRsx	LinStatic	15,67	5,95	3,2
168	168	Shell-Thin	188	SSOVRsx	LinStatic	-15,11	-0,2	1,53
168	168	Shell-Thin	187	SW2	LinStatic	200,71	677,83	-319,07
168	168	Shell-Thin	209	SW2	LinStatic	-324,46	572,79	-93,84
168	168	Shell-Thin	210	SW2	LinStatic	-500,02	-305	-137,63
168	168	Shell-Thin	188	SW2	LinStatic	25,15	-199,96	-362,86
169	169	Shell-Thin	188	DEAD	LinStatic	15,22	-23,55	6,41
169	169	Shell-Thin	210	DEAD	LinStatic	16,21	-23,36	-3,59
169	169	Shell-Thin	211	DEAD	LinStatic	20,93	0,27	-1,25
169	169	Shell-Thin	189	DEAD	LinStatic	19,95	0,07709	8,75
169	169	Shell-Thin	188	STERR	LinStatic	-2,784E-13	-7,532E-13	-7,221E-14
169	169	Shell-Thin	210	STERR	LinStatic	2,774E-14	-6,919E-13	-2,469E-13

Table: Element Forces - Area Shells, Part 1 of 4

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	F11	F22	F12
						KN/m	KN/m	KN/m
169	169	Shell-Thin	211	STERR	LinStatic	1,979E-13	1,588E-13	-1,295E-13
169	169	Shell-Thin	189	STERR	LinStatic	-1,082E-13	9,762E-14	4,513E-14
169	169	Shell-Thin	188	SSOVRdx	LinStatic	1,77	-2,46	-0,33
169	169	Shell-Thin	210	SSOVRdx	LinStatic	-1,61	-3,14	-1,47
169	169	Shell-Thin	211	SSOVRdx	LinStatic	-0,96	0,09444	-0,8
169	169	Shell-Thin	189	SSOVRdx	LinStatic	2,42	0,77	0,34
169	169	Shell-Thin	188	SSOVRsx	LinStatic	-1,77	2,46	0,33
169	169	Shell-Thin	210	SSOVRsx	LinStatic	1,61	3,14	1,47
169	169	Shell-Thin	211	SSOVRsx	LinStatic	0,96	-0,09444	0,8
169	169	Shell-Thin	189	SSOVRsx	LinStatic	-2,42	-0,77	-0,34
169	169	Shell-Thin	188	SW2	LinStatic	-31,98	-211,39	1,66
169	169	Shell-Thin	210	SW2	LinStatic	-16,86	-208,37	-98,37
169	169	Shell-Thin	211	SW2	LinStatic	32,23	37,11	-64,48
169	169	Shell-Thin	189	SW2	LinStatic	17,11	34,08	35,55
170	170	Shell-Thin	189	DEAD	LinStatic	3,14	-3,28	3,11
170	170	Shell-Thin	211	DEAD	LinStatic	8,89	-2,13	3,67
170	170	Shell-Thin	212	DEAD	LinStatic	8,8	-2,58	4,28
170	170	Shell-Thin	190	DEAD	LinStatic	3,05	-3,73	3,72
170	170	Shell-Thin	189	STERR	LinStatic	-5,257E-14	1,087E-13	-4,935E-15
170	170	Shell-Thin	211	STERR	LinStatic	1,968E-13	1,586E-13	6,109E-14
170	170	Shell-Thin	212	STERR	LinStatic	1,648E-13	-1,573E-15	1,005E-13
170	170	Shell-Thin	190	STERR	LinStatic	-8,461E-14	-5,145E-14	3,448E-14
170	170	Shell-Thin	189	SSOVRdx	LinStatic	-0,71	0,15	-0,06177
170	170	Shell-Thin	211	SSOVRdx	LinStatic	1,12	0,51	0,31
170	170	Shell-Thin	212	SSOVRdx	LinStatic	1,06	0,22	0,51
170	170	Shell-Thin	190	SSOVRdx	LinStatic	-0,77	-0,15	0,14
170	170	Shell-Thin	189	SSOVRsx	LinStatic	0,71	-0,15	0,06177
170	170	Shell-Thin	211	SSOVRsx	LinStatic	-1,12	-0,51	-0,31
170	170	Shell-Thin	212	SSOVRsx	LinStatic	-1,06	-0,22	-0,51
170	170	Shell-Thin	190	SSOVRsx	LinStatic	0,77	0,15	-0,14
170	170	Shell-Thin	189	SW2	LinStatic	-33,51	23,96	-10,22
170	170	Shell-Thin	211	SW2	LinStatic	72,13	45,09	23,55
170	170	Shell-Thin	212	SW2	LinStatic	64,44	6,62	40,89
170	170	Shell-Thin	190	SW2	LinStatic	-41,2	-14,51	7,12

Table: Element Forces - Area Shells, Part 2 of 4

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
1	1	1	DEAD	2,23	-202,54	65,353	203,66	-3,7842
1	1	3	DEAD	7,23	-190,17	64,078	193,89	-4,4548
1	1	4	DEAD	39,79	-222,73	58,841	245,05	-3,8119
1	1	1	STERR	1,387E-12	1,265E-14	-23,619	1,381E-12	105,0749
1	1	3	STERR	1,313E-12	-1,604E-14	-24,708	1,321E-12	115,7436
1	1	4	STERR	1,5E-12	-2,031E-13	-29,747	1,611E-12	58,1672
1	1	1	SSOVRdx	-0,04029	-1,39	67,472	1,37	47,908
1	1	3	SSOVRdx	-0,01887	-1,33	66,65	1,32	54,6941
1	1	4	SSOVRdx	0,12	-1,47	62,247	1,54	37,5809
1	1	1	SSOVRsx	1,39	0,04029	-22,528	1,37	-5,3535
1	1	3	SSOVRsx	1,33	0,01887	-23,35	1,32	-6,9684
1	1	4	SSOVRsx	1,47	-0,12	-27,753	1,54	-9,0788
1	1	1	SW2	-2,96	-381,47	66,308	380	-47,599
1	1	3	SW2	5,24	-360,3	65,179	362,95	-56,0334
1	1	4	SW2	58,77	-413,84	60,028	446,14	-47,9475
2	2	2	DEAD	2,23	-202,54	65,353	203,66	3,7842
2	2	5	DEAD	7,23	-190,17	64,078	193,89	4,4548
2	2	6	DEAD	39,79	-222,73	58,841	245,05	3,8119
2	2	2	STERR	-1,182E-14	-1,273E-12	66,389	1,267E-12	-105,0749
2	2	5	STERR	1,446E-14	-1,204E-12	65,303	1,212E-12	-115,7436
2	2	6	STERR	1,858E-13	-1,376E-12	60,266	1,477E-12	-58,1672
2	2	2	SSOVRdx	1,39	0,04029	-22,528	1,37	5,3535
2	2	5	SSOVRdx	1,33	0,01887	-23,35	1,32	6,9684
2	2	6	SSOVRdx	1,47	-0,12	-27,753	1,54	9,0788
2	2	2	SSOVRsx	-0,04029	-1,39	67,472	1,37	-47,908
2	2	5	SSOVRsx	-0,01887	-1,33	66,65	1,32	-54,6941
2	2	6	SSOVRsx	0,12	-1,47	62,247	1,54	-37,5809
2	2	2	SW2	-2,96	-381,47	66,308	380	47,599
2	2	5	SW2	5,24	-360,3	65,179	362,95	56,0334
2	2	6	SW2	58,77	-413,84	60,028	446,14	47,9475

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
3	3	4	DEAD	6,17	-104,2	53,299	107,42	-3,8784
3	3	8	DEAD	0,83	-131,67	56,882	132,09	-5,0077
3	3	9	DEAD	6,67	-114,26	62,362	117,74	-4,6336
3	3	4	STERR	8,894E-13	-4,075E-14	-35,553	9,105E-13	56,6313
3	3	8	STERR	1,065E-12	-7,01E-15	-32,858	1,069E-12	65,2137
3	3	9	STERR	9,54E-13	-4,184E-14	-28,633	9,756E-13	52,1095
3	3	4	SSOVRdx	0,06737	-1,1	57,313	1,13	37,1396
3	3	8	SSOVRdx	0,03078	-1,29	59,432	1,3	47,0496
3	3	9	SSOVRdx	0,06416	-1,18	63,048	1,21	41,8773
3	3	4	SSOVRsx	1,1	-0,06737	-32,687	1,13	-8,9432
3	3	8	SSOVRsx	1,29	-0,03078	-30,568	1,3	-13,5775
3	3	9	SSOVRsx	1,18	-0,06416	-26,952	1,21	-13,587
3	3	4	SW2	11,49	-240,35	54,221	246,3	-48,784
3	3	8	SW2	2,94	-285,41	56,796	286,89	-62,9887
3	3	9	SW2	11,96	-256,42	60,814	262,6	-58,2823
4	4	6	DEAD	6,17	-104,2	53,299	107,42	3,8784
4	4	11	DEAD	0,83	-131,67	56,882	132,09	5,0077
4	4	12	DEAD	6,67	-114,26	62,362	117,74	4,6336
4	4	6	STERR	3,759E-14	-8,175E-13	54,477	8,37E-13	-56,6313
4	4	11	STERR	6,7E-15	-9,788E-13	57,161	9,822E-13	-65,2137
4	4	12	STERR	3,865E-14	-8,768E-13	61,375	8,968E-13	-52,1095
4	4	6	SSOVRdx	1,1	-0,06737	-32,687	1,13	8,9432
4	4	11	SSOVRdx	1,29	-0,03078	-30,568	1,3	13,5775
4	4	12	SSOVRdx	1,18	-0,06416	-26,952	1,21	13,587
4	4	6	SSOVRsx	0,06737	-1,1	57,313	1,13	-37,1396
4	4	11	SSOVRsx	0,03078	-1,29	59,432	1,3	-47,0496
4	4	12	SSOVRsx	0,06416	-1,18	63,048	1,21	-41,8773
4	4	6	SW2	11,49	-240,35	54,221	246,3	48,784
4	4	11	SW2	2,94	-285,41	56,796	286,89	62,9887
4	4	12	SW2	11,96	-256,42	60,814	262,6	58,2823
5	5	3	DEAD	-12,83	-175,9	70,248	169,85	-4,4548
5	5	7	DEAD	10,83	-143,84	62,49	149,55	-6,3851
5	5	8	DEAD	35,35	-185,99	55,169	205,95	-5,0361
5	5	4	DEAD	5,3	-211,65	60,861	214,35	-3,6124
5	5	3	STERR	1,232E-12	9,925E-14	-19,207	1,185E-12	115,7436
5	5	7	STERR	1,125E-12	-1,372E-14	-24,706	1,132E-12	149,0416
5	5	8	STERR	1,425E-12	-1,641E-13	-33,105	1,514E-12	63,636
5	5	4	STERR	1,497E-12	-1,67E-14	-29,329	1,506E-12	57,9343
5	5	3	SSOVRdx	-0,11	-1,27	70,969	1,22	54,6941
5	5	7	SSOVRdx	-0,06858	-1,34	68,799	1,31	75,207
5	5	8	SSOVRdx	0,11	-1,63	60,016	1,69	46,7932
5	5	4	SSOVRdx	0,06459	-1,55	60,924	1,58	36,3245
5	5	3	SSOVRsx	1,27	0,11	-19,031	1,22	-6,9684
5	5	7	SSOVRsx	1,34	0,06858	-21,201	1,31	-11,4915
5	5	8	SSOVRsx	1,63	-0,11	-29,984	1,69	-13,7205
5	5	4	SSOVRsx	1,55	-0,06459	-29,076	1,58	-8,4713
5	5	3	SW2	-27,63	-337,22	70,891	324,29	-56,0334
5	5	7	SW2	6,65	-298,07	64,805	301,45	-80,3132
5	5	8	SW2	47	-380,43	56,446	405,97	-63,3457
5	5	4	SW2	2,24	-409,1	60,774	410,23	-45,4382
6	6	5	DEAD	-12,83	-175,9	70,248	169,85	4,4548
6	6	10	DEAD	10,83	-143,84	62,49	149,55	6,3851
6	6	11	DEAD	35,35	-185,99	55,169	205,95	5,0361
6	6	6	DEAD	5,3	-211,65	60,861	214,35	3,6124
6	6	5	STERR	-9,115E-14	-1,13E-12	70,796	1,088E-12	-115,7436
6	6	10	STERR	1,203E-14	-1,033E-12	65,321	1,039E-12	-149,0416
6	6	11	STERR	1,502E-13	-1,308E-12	56,918	1,39E-12	-63,636
6	6	6	STERR	1,556E-14	-1,374E-12	60,676	1,382E-12	-57,9343
6	6	5	SSOVRdx	1,27	0,11	-19,031	1,22	6,9684
6	6	10	SSOVRdx	1,34	0,06858	-21,201	1,31	11,4915
6	6	11	SSOVRdx	1,63	-0,11	-29,984	1,69	13,7205
6	6	6	SSOVRdx	1,55	-0,06459	-29,076	1,58	8,4713
6	6	5	SSOVRsx	-0,11	-1,27	70,969	1,22	-54,6941
6	6	10	SSOVRsx	-0,06858	-1,34	68,799	1,31	-75,207
6	6	11	SSOVRsx	0,11	-1,63	60,016	1,69	-46,7932
6	6	6	SSOVRsx	0,06459	-1,55	60,924	1,58	-36,3245
6	6	5	SW2	-27,63	-337,22	70,891	324,29	56,0334
6	6	10	SW2	6,65	-298,07	64,805	301,45	80,3132
6	6	11	SW2	47	-380,43	56,446	405,97	63,3457
6	6	6	SW2	2,24	-409,1	60,774	410,23	45,4382

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
7	7	9	DEAD	9,97	-159,97	48,598	165,18	-5,4097
7	7	15	DEAD	6,48	-163,3	49,376	166,64	-5,0826
7	7	16	DEAD	3,58	-161,59	49,36	163,41	-5,1347
7	7	9	STERR	1,484E-12	-5,542E-14	-41,008	1,512E-12	53,1728
7	7	15	STERR	1,496E-12	-4,681E-14	-40,757	1,52E-12	45,7802
7	7	16	STERR	1,488E-12	-4,131E-14	-40,687	1,509E-12	42,6592
7	7	9	SSOVRdx	0,07627	-2,15	51,011	2,19	46,651
7	7	15	SSOVRdx	0,09115	-2,13	50,731	2,18	43,8551
7	7	16	SSOVRdx	0,1	-2,14	50,692	2,2	43,7288
7	7	9	SSOVRsx	2,15	-0,07627	-38,989	2,19	-16,2449
7	7	15	SSOVRsx	2,13	-0,09115	-39,269	2,18	-16,9711
7	7	16	SSOVRsx	2,14	-0,1	-39,308	2,2	-17,8241
7	7	9	SW2	16,3	-390,22	48,761	398,62	-68,0445
7	7	15	SW2	12,82	-390,58	48,973	397,14	-63,9309
7	7	16	SW2	8,69	-391,7	48,751	396,12	-64,5857
8	8	12	DEAD	9,97	-159,97	48,598	165,18	5,4097
8	8	19	DEAD	6,48	-163,3	49,376	166,64	5,0826
8	8	20	DEAD	3,58	-161,59	49,36	163,41	5,1347
8	8	12	STERR	5,094E-14	-1,366E-12	49,015	1,392E-12	-53,1728
8	8	19	STERR	4,334E-14	-1,377E-12	49,255	1,399E-12	-45,7802
8	8	20	STERR	3,845E-14	-1,37E-12	49,319	1,389E-12	-42,6592
8	8	12	SSOVRdx	2,15	-0,07627	-38,989	2,19	16,2449
8	8	19	SSOVRdx	2,13	-0,09115	-39,269	2,18	16,9711
8	8	20	SSOVRdx	2,14	-0,1	-39,308	2,2	17,8241
8	8	12	SSOVRsx	0,07627	-2,15	51,011	2,19	-46,651
8	8	19	SSOVRsx	0,09115	-2,13	50,731	2,18	-43,8551
8	8	20	SSOVRsx	0,1	-2,14	50,692	2,2	-43,7288
8	8	12	SW2	16,3	-390,22	48,761	398,62	68,0445
8	8	19	SW2	12,82	-390,58	48,973	397,14	63,9309
8	8	20	SW2	8,69	-391,7	48,751	396,12	64,5857
9	9	7	DEAD	10,83	-143,84	62,49	149,55	-6,3851
9	9	13	DEAD	20,12	-146,04	60,173	157,07	-7,5219
9	9	14	DEAD	52,92	-200,83	52,923	231,86	-5,7116
9	9	8	DEAD	42,09	-197,1	54,013	221,17	-5,0542
9	9	7	STERR	1,125E-12	-1,372E-14	-24,706	1,132E-12	149,0416
9	9	13	STERR	1,171E-12	-3,718E-14	-25,635	1,19E-12	161,9676
9	9	14	STERR	1,532E-12	-2,564E-13	-34,145	1,675E-12	69,5352
9	9	8	STERR	1,482E-12	-2,288E-13	-33,899	1,609E-12	63,8019
9	9	7	SSOVRdx	-0,06858	-1,34	68,799	1,31	75,207
9	9	13	SSOVRdx	-0,12	-1,4	70,956	1,34	85,9235
9	9	14	SSOVRdx	0,24	-1,62	62,939	1,76	52,8808
9	9	8	SSOVRdx	0,3	-1,58	61,501	1,75	46,9205
9	9	7	SSOVRsx	1,34	0,06858	-21,201	1,31	-11,4915
9	9	13	SSOVRsx	1,4	0,12	-19,044	1,34	-14,8227
9	9	14	SSOVRsx	1,62	-0,24	-27,061	1,76	-16,465
9	9	8	SSOVRsx	1,58	-0,3	-28,499	1,75	-13,7486
9	9	7	SW2	6,65	-298,07	64,805	301,45	-80,3132
9	9	13	SW2	17,05	-307,26	63,312	316,13	-94,6124
9	9	14	SW2	73,8	-409,68	54,853	451,13	-71,8428
9	9	8	SW2	61,36	-398,46	55,436	432,42	-63,5728
10	10	8	DEAD	28,23	-144,75	53,117	160,73	-5,0258
10	10	14	DEAD	33,06	-167,92	53,772	186,66	-5,6898
10	10	15	DEAD	5,22	-177,52	50,621	180,18	-5,2588
10	10	9	DEAD	0,74	-154,7	49,329	155,07	-4,4453
10	10	8	STERR	1,134E-12	-2,027E-13	-35,569	1,248E-12	65,3795
10	10	14	STERR	1,399E-12	-2E-13	-33,78	1,509E-12	69,8827
10	10	15	STERR	1,585E-12	2,505E-14	-38,78	1,573E-12	46,0651
10	10	9	STERR	1,332E-12	1,13E-14	-41,564	1,326E-12	50,2961
10	10	8	SSOVRdx	0,35	-1,25	59,524	1,45	47,1769
10	10	14	SSOVRdx	0,28	-1,78	62,297	1,94	52,7754
10	10	15	SSOVRdx	-0,11	-2,2	53,681	2,15	45,0059
10	10	9	SSOVRdx	-0,005461	-1,71	48,825	1,71	40,3679
10	10	8	SSOVRsx	1,25	-0,35	-30,476	1,45	-13,6056
10	10	14	SSOVRsx	1,78	-0,28	-27,703	1,94	-16,2857
10	10	15	SSOVRsx	2,2	0,11	-36,319	2,15	-17,6398
10	10	9	SSOVRsx	1,71	0,005461	-41,175	1,71	-13,1148
10	10	8	SW2	51,2	-306,8	53,905	335,34	-63,2158
10	10	14	SW2	54,16	-365,87	55,236	395,73	-71,5683
10	10	15	SW2	-4,03	-410,8	50,539	408,8	-66,1464
10	10	9	SW2	-4,9	-353,82	48,353	351,39	-55,9143

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
11	11	10	DEAD	10,83	-143,84	62,49	149,55	6,3851
11	11	17	DEAD	20,12	-146,04	60,173	157,07	7,5219
11	11	18	DEAD	52,92	-200,83	52,923	231,86	5,7116
11	11	11	DEAD	42,09	-197,1	54,013	221,17	5,0542
11	11	10	STERR	1,203E-14	-1,033E-12	65,321	1,039E-12	-149,0416
11	11	17	STERR	3,306E-14	-1,075E-12	64,411	1,092E-12	-161,9676
11	11	18	STERR	2,351E-13	-1,405E-12	55,904	1,537E-12	-69,5352
11	11	11	STERR	2,104E-13	-1,36E-12	56,144	1,476E-12	-63,8019
11	11	10	SSOVRdx	1,34	0,06858	-21,201	1,31	11,4915
11	11	17	SSOVRdx	1,4	0,12	-19,044	1,34	14,8227
11	11	18	SSOVRdx	1,62	-0,24	-27,061	1,76	16,465
11	11	11	SSOVRdx	1,58	-0,3	-28,499	1,75	13,7486
11	11	10	SSOVRsx	-0,06858	-1,34	68,799	1,31	-75,207
11	11	17	SSOVRsx	-0,12	-1,4	70,956	1,34	-85,9235
11	11	18	SSOVRsx	0,24	-1,62	62,939	1,76	-52,8808
11	11	11	SSOVRsx	0,3	-1,58	61,501	1,75	-46,9205
11	11	10	SW2	6,65	-298,07	64,805	301,45	80,3132
11	11	17	SW2	17,05	-307,26	63,312	316,13	94,6124
11	11	18	SW2	73,8	-409,68	54,853	451,13	71,8428
11	11	11	SW2	61,36	-398,46	55,436	432,42	63,5728
12	12	11	DEAD	28,23	-144,75	53,117	160,73	5,0258
12	12	18	DEAD	33,06	-167,92	53,772	186,66	5,6898
12	12	19	DEAD	5,22	-177,52	50,621	180,18	5,2588
12	12	12	DEAD	0,74	-154,7	49,329	155,07	4,4453
12	12	11	STERR	1,868E-13	-1,041E-12	54,477	1,146E-12	-65,3795
12	12	18	STERR	1,84E-13	-1,285E-12	56,275	1,386E-12	-69,8827
12	12	19	STERR	-2,362E-14	-1,458E-12	51,238	1,446E-12	-46,0651
12	12	12	STERR	-1,049E-14	-1,224E-12	48,439	1,219E-12	-50,2961
12	12	11	SSOVRdx	1,25	-0,35	-30,476	1,45	13,6056
12	12	18	SSOVRdx	1,78	-0,28	-27,703	1,94	16,2857
12	12	19	SSOVRdx	2,2	0,11	-36,319	2,15	17,6398
12	12	12	SSOVRdx	1,71	0,005461	-41,175	1,71	13,1148
12	12	11	SSOVRsx	0,35	-1,25	59,524	1,45	-47,1769
12	12	18	SSOVRsx	0,28	-1,78	62,297	1,94	-52,7754
12	12	19	SSOVRsx	-0,11	-2,2	53,681	2,15	-45,0059
12	12	12	SSOVRsx	-0,005461	-1,71	48,825	1,71	-40,3679
12	12	11	SW2	51,2	-306,8	53,905	335,34	63,2158
12	12	18	SW2	54,16	-365,87	55,236	395,73	71,5683
12	12	19	SW2	-4,03	-410,8	50,539	408,8	66,1464
12	12	12	SW2	-4,9	-353,82	48,353	351,39	55,9143
13	13	16	DEAD	-0,34	-196,27	48,931	196,1	-5,1371
13	13	24	DEAD	3,27	-184	47,483	185,66	-5,1186
13	13	25	DEAD	2,67	-194,68	46,262	196,03	-5,194
13	13	16	STERR	1,977E-12	4,505E-14	-39,636	1,955E-12	39,8304
13	13	24	STERR	1,793E-12	-2,099E-14	-41,945	1,804E-12	32,9427
13	13	25	STERR	1,943E-12	-2,971E-14	-43,562	1,958E-12	28,0413
13	13	16	SSOVRdx	-0,09505	-3,4	54,182	3,36	43,7093
13	13	24	SSOVRdx	0,05814	-2,84	50,641	2,87	42,2416
13	13	25	SSOVRdx	0,05348	-3,28	47,369	3,3	41,0877
13	13	16	SSOVRsx	3,4	0,09505	-35,818	3,36	-18,7567
13	13	24	SSOVRsx	2,84	-0,05814	-39,359	2,87	-20,0546
13	13	25	SSOVRsx	3,28	-0,05348	-42,631	3,3	-20,4958
13	13	16	SW2	-3,94	-496,94	49,473	494,98	-64,6165
13	13	24	SW2	6,87	-455,76	47,605	459,24	-64,3833
13	13	25	SW2	3,66	-491,97	45,909	493,81	-65,3317
14	14	20	DEAD	-0,34	-196,27	48,931	196,1	5,1371
14	14	29	DEAD	3,27	-184	47,483	185,66	5,1186
14	14	30	DEAD	2,67	-194,68	46,262	196,03	5,194
14	14	20	STERR	-4,16E-14	-1,823E-12	50,407	1,802E-12	-39,8304
14	14	29	STERR	1,959E-14	-1,652E-12	48,081	1,661E-12	-32,9427
14	14	30	STERR	2,746E-14	-1,791E-12	46,443	1,805E-12	-28,0413
14	14	20	SSOVRdx	3,4	0,09505	-35,818	3,36	18,7567
14	14	29	SSOVRdx	2,84	-0,05814	-39,359	2,87	20,0546
14	14	30	SSOVRdx	3,28	-0,05348	-42,631	3,3	20,4958
14	14	20	SSOVRsx	-0,09505	-3,4	54,182	3,36	-43,7093
14	14	29	SSOVRsx	0,05814	-2,84	50,641	2,87	-42,2416
14	14	30	SSOVRsx	0,05348	-3,28	47,369	3,3	-41,0877
14	14	20	SW2	-3,94	-496,94	49,473	494,98	64,6165
14	14	29	SW2	6,87	-455,76	47,605	459,24	64,3833
14	14	30	SW2	3,66	-491,97	45,909	493,81	65,3317

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
15	15	13	DEAD	20,12	-146,04	60,173	157,07	-7,5219
15	15	21	DEAD	20,6	-142,64	59,946	153,98	-8,6196
15	15	22	DEAD	55,86	-197,36	52,834	230,43	-6,3264
15	15	14	DEAD	55,17	-200,55	53,056	233,09	-5,7108
15	15	13	STERR	1,171E-12	-3,718E-14	-25,635	1,19E-12	161,9676
15	15	21	STERR	1,184E-12	-2,173E-14	-25,006	1,195E-12	172,473
15	15	22	STERR	1,537E-12	-2,643E-13	-33,551	1,685E-12	72,5977
15	15	14	STERR	1,528E-12	-2,835E-13	-33,94	1,688E-12	69,5436
15	15	13	SSOVRdx	-0,12	-1,4	70,956	1,34	85,9235
15	15	21	SSOVRdx	-0,17	-1,36	74,564	1,28	96,0177
15	15	22	SSOVRdx	0,3	-1,51	66,352	1,68	58,1981
15	15	14	SSOVRdx	0,37	-1,57	64,412	1,78	52,8779
15	15	13	SSOVRsx	1,4	0,12	-19,044	1,34	-14,8227
15	15	21	SSOVRsx	1,36	0,17	-15,436	1,28	-18,3688
15	15	22	SSOVRsx	1,51	-0,3	-23,648	1,68	-19,5936
15	15	14	SSOVRsx	1,57	-0,37	-25,588	1,78	-16,4617
15	15	13	SW2	17,05	-307,26	63,312	316,13	-94,6124
15	15	21	SW2	15,68	-306,75	63,5	314,89	-108,4207
15	15	22	SW2	75,29	-410,32	54,916	452,69	-79,5757
15	15	14	SW2	76,93	-411,1	54,829	454,48	-71,8326
16	16	14	DEAD	35,33	-167,66	53,932	187,84	-5,689
16	16	22	DEAD	31,16	-168,18	54,575	185,73	-6,3397
16	16	23	DEAD	9,45	-171,32	52,835	176,24	-5,4547
16	16	15	DEAD	13,76	-170,94	52,163	178,22	-5,2644
16	16	14	STERR	1,395E-12	-2,272E-13	-33,555	1,521E-12	69,8912
16	16	22	STERR	1,427E-12	-1,507E-13	-31,764	1,508E-12	73,0844
16	16	23	STERR	1,53E-12	1,361E-14	-34,872	1,524E-12	42,9106
16	16	15	STERR	1,503E-12	-6,807E-14	-36,629	1,539E-12	46,0529
16	16	14	SSOVRdx	0,41	-1,72	63,656	1,96	52,7724
16	16	22	SSOVRdx	0,21	-1,76	68,764	1,88	58,373
16	16	23	SSOVRdx	-0,04579	-1,99	62,794	1,97	46,1898
16	16	15	SSOVRdx	0,19	-1,99	58,253	2,09	45,0374
16	16	14	SSOVRsx	1,72	-0,41	-26,344	1,96	-16,2823
16	16	22	SSOVRsx	1,76	-0,21	-21,236	1,88	-19,5757
16	16	23	SSOVRsx	1,99	0,04579	-27,206	1,97	-19,7638
16	16	15	SSOVRsx	1,99	-0,19	-31,747	2,09	-17,6583
16	16	14	SW2	57,29	-367,28	55,204	399,02	-71,5581
16	16	22	SW2	44,06	-371,12	56,291	394,99	-79,7427
16	16	23	SW2	0,35	-394,29	53,459	394,47	-68,611
16	16	15	SW2	14,34	-391,21	52,39	398,58	-66,2175
17	17	15	DEAD	16,8	-156,63	50,675	165,67	-5,0883
17	17	23	DEAD	14,57	-170,36	52,004	178,09	-5,4857
17	17	24	DEAD	-6,03	-187,41	48,113	184,47	-5,1313
17	17	16	DEAD	-3,16	-174,32	46,512	172,76	-5,1049
17	17	15	STERR	1,411E-12	-1,444E-13	-38,683	1,489E-12	45,768
17	17	23	STERR	1,579E-12	-5,56E-14	-35,881	1,608E-12	43,1034
17	17	24	STERR	1,799E-12	1,352E-13	-40,883	1,735E-12	32,246
17	17	16	STERR	1,645E-12	3,201E-14	-43,813	1,629E-12	42,9008
17	17	15	SSOVRdx	0,36	-1,9	55,312	2,1	43,8866
17	17	23	SSOVRdx	0,07143	-2,27	60,988	2,31	46,4071
17	17	24	SSOVRdx	-0,38	-2,76	52,435	2,59	42,1943
17	17	16	SSOVRdx	-0,02007	-2,46	46,966	2,45	43,5924
17	17	15	SSOVRsx	1,9	-0,36	-34,688	2,1	-16,9897
17	17	23	SSOVRsx	2,27	-0,07143	-29,012	2,31	-19,8431
17	17	24	SSOVRsx	2,76	0,38	-37,565	2,59	-20,2253
17	17	16	SSOVRsx	2,46	0,02007	-43,034	2,45	-17,6803
17	17	15	SW2	29,73	-370,01	50,703	385,73	-64,002
17	17	23	SW2	15,31	-400,39	52,596	408,26	-69,0003
17	17	24	SW2	-26,78	-453,54	48,056	440,76	-64,543
17	17	16	SW2	-10,11	-425,4	46,074	420,43	-64,2113
18	18	17	DEAD	20,12	-146,04	60,173	157,07	7,5219
18	18	26	DEAD	20,6	-142,64	59,946	153,98	8,6196
18	18	27	DEAD	55,86	-197,36	52,834	230,43	6,3264
18	18	18	DEAD	55,17	-200,55	53,056	233,09	5,7108
18	18	17	STERR	3,306E-14	-1,075E-12	64,411	1,092E-12	-161,9676
18	18	26	STERR	1,871E-14	-1,086E-12	65,049	1,095E-12	-172,473
18	18	27	STERR	2,425E-13	-1,409E-12	56,509	1,544E-12	-72,5977
18	18	18	STERR	2,603E-13	-1,401E-12	56,12	1,548E-12	-69,5436
18	18	17	SSOVRdx	1,4	0,12	-19,044	1,34	14,8227
18	18	26	SSOVRdx	1,36	0,17	-15,436	1,28	18,3688

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
18	18	27	SSOVRdx	1,51	-0,3	-23,648	1,68	19,5936
18	18	18	SSOVRdx	1,57	-0,37	-25,588	1,78	16,4617
18	18	17	SSOVRsx	-0,12	-1,4	70,956	1,34	-85,9235
18	18	26	SSOVRsx	-0,17	-1,36	74,564	1,28	-96,0177
18	18	27	SSOVRsx	0,3	-1,51	66,352	1,68	-58,1981
18	18	18	SSOVRsx	0,37	-1,57	64,412	1,78	-52,8779
18	18	17	SW2	17,05	-307,26	63,312	316,13	94,6124
18	18	26	SW2	15,68	-306,75	63,5	314,89	108,4207
18	18	27	SW2	75,29	-410,32	54,916	452,69	79,5757
18	18	18	SW2	76,93	-411,1	54,829	454,48	71,8326
19	19	18	DEAD	35,33	-167,66	53,932	187,84	5,689
19	19	27	DEAD	31,16	-168,18	54,575	185,73	6,3397
19	19	28	DEAD	9,45	-171,32	52,835	176,24	5,4547
19	19	19	DEAD	13,76	-170,94	52,163	178,22	5,2644
19	19	18	STERR	2,093E-13	-1,281E-12	56,51	1,398E-12	-69,8912
19	19	27	STERR	1,383E-13	-1,31E-12	58,321	1,385E-12	-73,0844
19	19	28	STERR	-1,276E-14	-1,406E-12	55,187	1,4E-12	-42,9106
19	19	19	STERR	6,318E-14	-1,382E-12	53,415	1,415E-12	-46,0529
19	19	18	SSOVRdx	1,72	-0,41	-26,344	1,96	16,2823
19	19	27	SSOVRdx	1,76	-0,21	-21,236	1,88	19,5757
19	19	28	SSOVRdx	1,99	0,04579	-27,206	1,97	19,7638
19	19	19	SSOVRdx	1,99	-0,19	-31,747	2,09	17,6583
19	19	18	SSOVRsx	0,41	-1,72	63,656	1,96	-52,7724
19	19	27	SSOVRsx	0,21	-1,76	68,764	1,88	-58,373
19	19	28	SSOVRsx	-0,04579	-1,99	62,794	1,97	-46,1898
19	19	19	SSOVRsx	0,19	-1,99	58,253	2,09	-45,0374
19	19	18	SW2	57,29	-367,28	55,204	399,02	71,5581
19	19	27	SW2	44,06	-371,12	56,291	394,99	79,7427
19	19	28	SW2	0,35	-394,29	53,459	394,47	68,611
19	19	19	SW2	14,34	-391,21	52,39	398,58	66,2175
20	20	19	DEAD	16,8	-156,63	50,675	165,67	5,0883
20	20	28	DEAD	14,57	-170,36	52,004	178,09	5,4857
20	20	29	DEAD	-6,03	-187,41	48,113	184,47	5,1313
20	20	20	DEAD	-3,16	-174,32	46,512	172,76	5,1049
20	20	19	STERR	1,338E-13	-1,298E-12	51,358	1,369E-12	-45,768
20	20	28	STERR	5,087E-14	-1,453E-12	54,183	1,479E-12	-43,1034
20	20	29	STERR	-1,257E-13	-1,656E-12	49,143	1,597E-12	-32,246
20	20	20	STERR	-2,939E-14	-1,514E-12	46,194	1,5E-12	-42,9008
20	20	19	SSOVRdx	1,9	-0,36	-34,688	2,1	16,9897
20	20	28	SSOVRdx	2,27	-0,07143	-29,012	2,31	19,8431
20	20	29	SSOVRdx	2,76	0,38	-37,565	2,59	20,2253
20	20	20	SSOVRdx	2,46	0,02007	-43,034	2,45	17,6803
20	20	19	SSOVRsx	0,36	-1,9	55,312	2,1	-43,8866
20	20	28	SSOVRsx	0,07143	-2,27	60,988	2,31	-46,4071
20	20	29	SSOVRsx	-0,38	-2,76	52,435	2,59	-42,1943
20	20	20	SSOVRsx	-0,02007	-2,46	46,966	2,45	-43,5924
20	20	19	SW2	29,73	-370,01	50,703	385,73	64,002
20	20	28	SW2	15,31	-400,39	52,596	408,26	69,0003
20	20	29	SW2	-26,78	-453,54	48,056	440,76	64,543
20	20	20	SW2	-10,11	-425,4	46,074	420,43	64,2113
21	21	25	DEAD	9,07	-198,6	48,609	203,29	-5,5581
21	21	35	DEAD	12,02	-182,05	46,934	188,34	-4,0473
21	21	36	DEAD	8,99	-197,63	45,095	202,28	-3,523
21	21	25	STERR	2,184E-12	-8,387E-14	-40	2,227E-12	26,8741
21	21	35	STERR	1,931E-12	-1,268E-13	-42,254	1,998E-12	9,7665
21	21	36	STERR	2,163E-12	-8,217E-14	-44,839	2,205E-12	1,0679
21	21	25	SSOVRdx	0,3	-4,03	54,15	4,2	42,2995
21	21	35	SSOVRdx	0,43	-3,11	50,402	3,34	34,7854
21	21	36	SSOVRdx	0,26	-3,91	45,089	4,05	29,5277
21	21	25	SSOVRsx	4,03	-0,3	-35,85	4,2	-21,5453
21	21	35	SSOVRsx	3,11	-0,43	-39,598	3,34	-23,5847
21	21	36	SSOVRsx	3,91	-0,26	-44,911	4,05	-22,4997
21	21	25	SW2	20,09	-514,73	48,392	525,06	-69,912
21	21	35	SW2	28,69	-465,09	46,414	480,08	-50,9079
21	21	36	SW2	19,47	-512,71	44,272	522,71	-44,3132
22	22	30	DEAD	9,07	-198,6	48,609	203,29	5,5581
22	22	41	DEAD	12,02	-182,05	46,934	188,34	4,0473
22	22	42	DEAD	8,99	-197,63	45,095	202,28	3,523
22	22	30	STERR	7,775E-14	-2,014E-12	50,055	2,054E-12	-26,8741
22	22	41	STERR	1,183E-13	-1,778E-12	47,764	1,84E-12	-9,7665

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
22	22	42	STERR	7,716E-14	-1,994E-12	45,147	2,034E-12	-1,0679
22	22	30	SSOVRdx	4,03	-0,3	-35,85	4,2	21,5453
22	22	41	SSOVRdx	3,11	-0,43	-39,598	3,34	23,5847
22	22	42	SSOVRdx	3,91	-0,26	-44,911	4,05	22,4997
22	22	30	SSOVRsx	0,3	-4,03	54,15	4,2	-42,2995
22	22	41	SSOVRsx	0,43	-3,11	50,402	3,34	-34,7854
22	22	42	SSOVRsx	0,26	-3,91	45,089	4,05	-29,5277
22	22	30	SW2	20,09	-514,73	48,392	525,06	69,912
22	22	41	SW2	28,69	-465,09	46,414	480,08	50,9079
22	22	42	SW2	19,47	-512,71	44,272	522,71	44,3132
23	23	21	DEAD	20,6	-142,64	59,946	153,98	-8,6196
23	23	31	DEAD	26,68	-130,02	58,041	145,21	-11,1804
23	23	32	DEAD	71,97	-189,8	51,539	234,23	-7,3198
23	23	22	DEAD	64,55	-201,08	52,83	239,96	-6,3217
23	23	21	STERR	1,184E-12	-2,173E-14	-25,006	1,195E-12	172,473
23	23	31	STERR	1,08E-12	-2,678E-14	-25,312	1,093E-12	182,7902
23	23	32	STERR	1,441E-12	-3,213E-13	-34,043	1,625E-12	74,5512
23	23	22	STERR	1,541E-12	-3,122E-13	-33,394	1,718E-12	72,5083
23	23	21	SSOVRdx	-0,17	-1,36	74,564	1,28	96,0177
23	23	31	SSOVRdx	-0,14	-0,69	87,544	0,64	117,4406
23	23	32	SSOVRdx	0,4	-0,68	74,21	0,95	68,5105
23	23	22	SSOVRdx	0,4	-1,38	70,426	1,62	58,1627
23	23	21	SSOVRsx	1,36	0,17	-15,436	1,28	-18,3688
23	23	31	SSOVRsx	0,69	0,14	-2,456	0,64	-29,3199
23	23	32	SSOVRsx	0,68	-0,4	-15,79	0,95	-27,7612
23	23	22	SSOVRsx	1,38	-0,4	-19,574	1,62	-19,6007
23	23	21	SW2	15,68	-306,75	63,5	314,89	-108,4207
23	23	31	SW2	27,23	-284,19	61,686	298,74	-140,6303
23	23	32	SW2	98,7	-399,08	53,31	456,51	-92,0707
23	23	22	SW2	83,92	-418,41	54,595	466,07	-79,5162
24	24	22	DEAD	39,84	-171,88	54,468	194,88	-6,335
24	24	32	DEAD	48,79	-162,54	52,755	191,65	-7,332
24	24	33	DEAD	22,95	-157,94	51,77	170,57	-5,5883
24	24	23	DEAD	13,81	-167,09	53,775	174,41	-5,4433
24	24	22	STERR	1,431E-12	-1,99E-13	-31,642	1,54E-12	72,9951
24	24	32	STERR	1,373E-12	-2,453E-13	-32,903	1,511E-12	75,0169
24	24	33	STERR	1,422E-12	-7,703E-14	-34,873	1,462E-12	36,0897
24	24	23	STERR	1,477E-12	-2,828E-14	-33,497	1,492E-12	42,9295
24	24	22	SSOVRdx	0,32	-1,64	72,497	1,83	58,3375
24	24	32	SSOVRdx	0,41	-1,18	70,638	1,43	68,6682
24	24	33	SSOVRdx	0,27	-1,31	66,078	1,46	49,4689
24	24	23	SSOVRdx	0,17	-1,76	68,823	1,86	46,1676
24	24	22	SSOVRsx	1,64	-0,32	-17,503	1,83	-19,5827
24	24	32	SSOVRsx	1,18	-0,41	-19,362	1,43	-27,7107
24	24	33	SSOVRsx	1,31	-0,27	-23,922	1,46	-25,9305
24	24	23	SSOVRsx	1,76	-0,17	-21,177	1,86	-19,7572
24	24	22	SW2	52,55	-379,06	55,865	407,89	-79,6832
24	24	32	SW2	73,65	-356,44	53,842	398,41	-92,2236
24	24	33	SW2	24,92	-368,21	51,641	381,28	-70,2917
24	24	23	SW2	2,71	-389,71	53,862	391,07	-68,4677
25	25	23	DEAD	18,84	-166,04	52,924	176,22	-5,4743
25	25	33	DEAD	25,57	-155,62	51,223	169,85	-5,5898
25	25	34	DEAD	15,89	-165,84	49,078	174,33	-4,7675
25	25	24	DEAD	8,76	-175,86	50,816	180,39	-5,1691
25	25	23	STERR	1,525E-12	-9,615E-14	-34,614	1,575E-12	43,1224
25	25	33	STERR	1,428E-12	-1,143E-13	-35,576	1,489E-12	36,1183
25	25	34	STERR	1,568E-12	-2,544E-14	-38,725	1,581E-12	20,2969
25	25	24	STERR	1,661E-12	-4,217E-15	-37,648	1,664E-12	32,3112
25	25	23	SSOVRdx	0,27	-2,03	66,001	2,18	46,3848
25	25	33	SSOVRdx	0,27	-1,48	65,995	1,63	49,4536
25	25	34	SSOVRdx	0,0748	-1,79	58,266	1,83	41,0619
25	25	24	SSOVRdx	0,06586	-2,33	60,014	2,36	42,3227
25	25	23	SSOVRsx	2,03	-0,27	-23,999	2,18	-19,8365
25	25	33	SSOVRsx	1,48	-0,27	-24,005	1,63	-25,9044
25	25	34	SSOVRsx	1,79	-0,0748	-31,734	1,83	-24,7684
25	25	24	SSOVRsx	2,33	-0,06586	-29,986	2,36	-20,2473
25	25	23	SW2	17,58	-395,73	52,973	404,81	-68,857
25	25	33	SW2	36,66	-364,56	50,755	384,21	-70,3102
25	25	34	SW2	14,95	-393,88	48,233	401,56	-59,9671
25	25	24	SW2	-5,53	-423,64	50,483	420,9	-65,0183

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
26	26	24	DEAD	7,49	-170,94	50,622	174,81	-5,1564
26	26	34	DEAD	18,55	-163,14	48,511	173,16	-4,773
26	26	35	DEAD	6,15	-176,5	45,789	179,66	-4,127
26	26	25	DEAD	-5,54	-183,68	47,837	180,97	-4,9392
26	26	24	STERR	1,635E-12	-9,435E-15	-37,93	1,64E-12	33,0079
26	26	34	STERR	1,587E-12	-7,942E-14	-39,411	1,628E-12	20,169
26	26	35	STERR	1,808E-12	3,437E-14	-43,391	1,791E-12	8,2609
26	26	25	STERR	1,851E-12	1,103E-13	-42,06	1,798E-12	28,2834
26	26	24	SSOVRdx	0,07128	-2,36	59,998	2,4	42,3699
26	26	34	SSOVRdx	0,21	-1,99	56,813	2,1	41,0655
26	26	35	SSOVRdx	-0,14	-2,59	48,018	2,52	34,7294
26	26	25	SSOVRdx	-0,31	-2,91	51,587	2,77	40,4561
26	26	24	SSOVRsx	2,36	-0,07128	-30,002	2,4	-20,0765
26	26	34	SSOVRsx	1,99	-0,21	-33,187	2,1	-24,8039
26	26	35	SSOVRsx	2,59	0,14	-41,982	2,52	-23,9764
26	26	25	SSOVRsx	2,91	0,31	-38,413	2,77	-20,2922
26	26	24	SW2	-7,18	-421,02	50,495	417,48	-64,8586
26	26	34	SW2	25,72	-390,82	47,536	404,29	-60,0365
26	26	35	SW2	6,84	-435,87	44,624	439,33	-51,9107
26	26	25	SW2	-28,31	-463,84	47,388	450,35	-62,1272
27	27	26	DEAD	20,6	-142,64	59,946	153,98	8,6196
27	27	37	DEAD	26,68	-130,02	58,041	145,21	11,1804
27	27	38	DEAD	71,97	-189,8	51,539	234,23	7,3198
27	27	27	DEAD	64,55	-201,08	52,83	239,96	6,3217
27	27	26	STERR	1,871E-14	-1,086E-12	65,049	1,095E-12	-172,473
27	27	37	STERR	2,367E-14	-9,854E-13	64,724	9,975E-13	-182,7902
27	27	38	STERR	2,951E-13	-1,314E-12	55,998	1,484E-12	-74,5512
27	27	27	STERR	2,862E-13	-1,411E-12	56,683	1,574E-12	-72,5083
27	27	26	SSOVRdx	1,36	0,17	-15,436	1,28	18,3688
27	27	37	SSOVRdx	0,69	0,14	-2,456	0,64	29,3199
27	27	38	SSOVRdx	0,68	-0,4	-15,79	0,95	27,7612
27	27	27	SSOVRdx	1,38	-0,4	-19,574	1,62	19,6007
27	27	26	SSOVRsx	-0,17	-1,36	74,564	1,28	-96,0177
27	27	37	SSOVRsx	-0,14	-0,69	87,544	0,64	-117,4406
27	27	38	SSOVRsx	0,4	-0,68	74,21	0,95	-68,5105
27	27	27	SSOVRsx	0,4	-1,38	70,426	1,62	-58,1627
27	27	26	SW2	15,68	-306,75	63,5	314,89	108,4207
27	27	37	SW2	27,23	-284,19	61,686	298,74	140,6303
27	27	38	SW2	98,7	-399,08	53,31	456,51	92,0707
27	27	27	SW2	83,92	-418,41	54,595	466,07	79,5162
28	28	27	DEAD	39,84	-171,88	54,468	194,88	6,335
28	28	38	DEAD	48,79	-162,54	52,755	191,65	7,332
28	28	39	DEAD	22,95	-157,94	51,77	170,57	5,5883
28	28	28	DEAD	13,81	-167,09	53,775	174,41	5,4433
28	28	27	STERR	1,823E-13	-1,313E-12	58,462	1,413E-12	-72,9951
28	28	38	STERR	2,261E-13	-1,256E-12	57,149	1,383E-12	-75,0169
28	28	39	STERR	7,198E-14	-1,301E-12	55,168	1,338E-12	-36,0897
28	28	28	STERR	2,585E-14	-1,356E-12	56,602	1,369E-12	-42,9295
28	28	27	SSOVRdx	1,64	-0,32	-17,503	1,83	19,5827
28	28	38	SSOVRdx	1,18	-0,41	-19,362	1,43	27,7107
28	28	39	SSOVRdx	1,31	-0,27	-23,922	1,46	25,9305
28	28	28	SSOVRdx	1,76	-0,17	-21,177	1,86	19,7572
28	28	27	SSOVRsx	0,32	-1,64	72,497	1,83	-58,3375
28	28	38	SSOVRsx	0,41	-1,18	70,638	1,43	-68,6682
28	28	39	SSOVRsx	0,27	-1,31	66,078	1,46	-49,4689
28	28	28	SSOVRsx	0,17	-1,76	68,823	1,86	-46,1676
28	28	27	SW2	52,55	-379,06	55,865	407,89	79,6832
28	28	38	SW2	73,65	-356,44	53,842	398,41	92,2236
28	28	39	SW2	24,92	-368,21	51,641	381,28	70,2917
28	28	28	SW2	2,71	-389,71	53,862	391,07	68,4677
29	29	28	DEAD	18,84	-166,04	52,924	176,22	5,4743
29	29	39	DEAD	25,57	-155,62	51,223	169,85	5,5898
29	29	40	DEAD	15,89	-165,84	49,078	174,33	4,7675
29	29	29	DEAD	8,76	-175,86	50,816	180,39	5,1691
29	29	28	STERR	8,821E-14	-1,401E-12	55,486	1,447E-12	-43,1224
29	29	39	STERR	1,055E-13	-1,308E-12	54,482	1,364E-12	-36,1183
29	29	40	STERR	2,423E-14	-1,437E-12	51,295	1,45E-12	-20,2969
29	29	29	STERR	3,912E-15	-1,528E-12	52,421	1,53E-12	-32,3112
29	29	28	SSOVRdx	2,03	-0,27	-23,999	2,18	19,8365
29	29	39	SSOVRdx	1,48	-0,27	-24,005	1,63	25,9044

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
29	29	40	SSOVRdx	1,79	-0,0748	-31,734	1,83	24,7684
29	29	29	SSOVRdx	2,33	-0,06586	-29,986	2,36	20,2473
29	29	28	SSOVRsx	0,27	-2,03	66,001	2,18	-46,3848
29	29	39	SSOVRsx	0,27	-1,48	65,995	1,63	-49,4536
29	29	40	SSOVRsx	0,0748	-1,79	58,266	1,83	-41,0619
29	29	29	SSOVRsx	0,06586	-2,33	60,014	2,36	-42,3227
29	29	28	SW2	17,58	-395,73	52,973	404,81	68,857
29	29	39	SW2	36,66	-364,56	50,755	384,21	70,3102
29	29	40	SW2	14,95	-393,88	48,233	401,56	59,9671
29	29	29	SW2	-5,53	-423,64	50,483	420,9	65,0183
30	30	29	DEAD	7,49	-170,94	50,622	174,81	5,1564
30	30	40	DEAD	18,55	-163,14	48,511	173,16	4,773
30	30	41	DEAD	6,15	-176,5	45,789	179,66	4,127
30	30	30	DEAD	-5,54	-183,68	47,837	180,97	4,9392
30	30	29	STERR	8,737E-15	-1,504E-12	52,146	1,509E-12	-33,0079
30	30	40	STERR	7,383E-14	-1,457E-12	50,62	1,495E-12	-20,169
30	30	41	STERR	-3,212E-14	-1,662E-12	46,6	1,646E-12	-8,2609
30	30	30	STERR	-1,029E-13	-1,704E-12	47,979	1,655E-12	-28,2834
30	30	29	SSOVRdx	2,36	-0,07128	-30,002	2,4	20,0765
30	30	40	SSOVRdx	1,99	-0,21	-33,187	2,1	24,8039
30	30	41	SSOVRdx	2,59	0,14	-41,982	2,52	23,9764
30	30	30	SSOVRdx	2,91	0,31	-38,413	2,77	20,2922
30	30	29	SSOVRsx	0,07128	-2,36	59,998	2,4	-42,3699
30	30	40	SSOVRsx	0,21	-1,99	56,813	2,1	-41,0655
30	30	41	SSOVRsx	-0,14	-2,59	48,018	2,52	-34,7294
30	30	30	SSOVRsx	-0,31	-2,91	51,587	2,77	-40,4561
30	30	29	SW2	-7,18	-421,02	50,495	417,48	64,8586
30	30	40	SW2	25,72	-390,82	47,536	404,29	60,0365
30	30	41	SW2	6,84	-435,87	44,624	439,33	51,9107
30	30	30	SW2	-28,31	-463,84	47,388	450,35	62,1272
31	31	36	DEAD	11,03	-184,06	45,833	189,81	-3,8039
31	31	48	DEAD	12,88	-168,78	44,092	175,57	-1,4982
31	31	49	DEAD	8,95	-185	42,161	189,63	-1,1442
31	31	36	STERR	2,277E-12	-1,086E-13	-43,559	2,333E-12	-10,5143
31	31	48	STERR	1,996E-12	-1,815E-13	-46,523	2,093E-12	-12,147
31	31	49	STERR	2,279E-12	-1,528E-13	-48,821	2,359E-12	-14,994
31	31	36	SSOVRdx	0,43	-4,59	49,409	4,82	25,1026
31	31	48	SSOVRdx	0,68	-3,51	44,168	3,89	19,0188
31	31	49	SSOVRdx	0,58	-4,57	40,01	4,89	16,5984
31	31	36	SSOVRsx	4,59	-0,43	-40,591	4,82	-22,4056
31	31	48	SSOVRsx	3,51	-0,68	-45,832	3,89	-19,9938
31	31	49	SSOVRsx	4,57	-0,58	-49,99	4,89	-18,9727
31	31	36	SW2	19,75	-487,46	44,609	497,63	-47,847
31	31	48	SW2	29,09	-440,57	42,287	455,81	-18,8444
31	31	49	SW2	20,55	-491,43	40,278	502,02	-14,3921
32	32	42	DEAD	11,03	-184,06	45,833	189,81	3,8039
32	32	55	DEAD	12,88	-168,78	44,092	175,57	1,4982
32	32	56	DEAD	8,95	-185	42,161	189,63	1,1442
32	32	42	STERR	1,003E-13	-2,101E-12	46,488	2,153E-12	10,5143
32	32	55	STERR	1,709E-13	-1,837E-12	43,447	1,928E-12	12,147
32	32	56	STERR	1,463E-13	-2,102E-12	41,141	2,179E-12	14,994
32	32	42	SSOVRdx	4,59	-0,43	-40,591	4,82	22,4056
32	32	55	SSOVRdx	3,51	-0,68	-45,832	3,89	19,9938
32	32	56	SSOVRdx	4,57	-0,58	-49,99	4,89	18,9727
32	32	42	SSOVRsx	0,43	-4,59	49,409	4,82	-25,1026
32	32	55	SSOVRsx	0,68	-3,51	44,168	3,89	-19,0188
32	32	56	SSOVRsx	0,58	-4,57	40,01	4,89	-16,5984
32	32	42	SW2	19,75	-487,46	44,609	497,63	47,847
32	32	55	SW2	29,09	-440,57	42,287	455,81	18,8444
32	32	56	SW2	20,55	-491,43	40,278	502,02	14,3921
33	33	49	DEAD	7,37	-168,98	44,855	172,78	-0,7888
33	33	63	DEAD	3,42	-155,94	43,75	157,68	-0,3486
33	33	64	DEAD	-5,61	-172,62	40,853	169,88	-0,0843
33	33	49	STERR	2,284E-12	3,115E-15	-44,947	2,282E-12	-23,4696
33	33	63	STERR	2,002E-12	-8,346E-14	-48,322	2,045E-12	-16,9565
33	33	64	STERR	2,297E-12	-6,406E-14	-50,5	2,329E-12	-18,884
33	33	49	SSOVRdx	-0,23	-5,63	47,945	5,52	9,0626
33	33	63	SSOVRdx	0,39	-4,49	41,315	4,7	11,5866
33	33	64	SSOVRdx	0,62	-5,51	39,575	5,85	9,1181
33	33	49	SSOVRsx	5,63	0,23	-42,055	5,52	-15,1911

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
33	33	63	SSOVRsx	4,49	-0,39	-48,685	4,7	-15,2718
33	33	64	SSOVRsx	5,51	-0,62	-50,425	5,85	-13,6897
33	33	49	SW2	21,27	-428,85	43,616	439,87	-9,9212
33	33	63	SW2	3,56	-390,58	42,42	392,37	-4,3852
33	33	64	SW2	-27,98	-444,62	38,587	431,31	-1,0607
34	34	56	DEAD	7,37	-168,98	44,855	172,78	0,7888
34	34	71	DEAD	3,42	-155,94	43,75	157,68	0,3486
34	34	72	DEAD	-5,61	-172,62	40,853	169,88	0,0843
34	34	56	STERR	-1,118E-14	-2,108E-12	44,999	2,102E-12	23,4696
34	34	71	STERR	7,929E-14	-1,846E-12	41,491	1,886E-12	16,9565
34	34	72	STERR	7,055E-14	-2,116E-12	39,446	2,152E-12	18,884
34	34	56	SSOVRdx	5,63	0,23	-42,055	5,52	15,1911
34	34	71	SSOVRdx	4,49	-0,39	-48,685	4,7	15,2718
34	34	72	SSOVRdx	5,51	-0,62	-50,425	5,85	13,6897
34	34	56	SSOVRsx	-0,23	-5,63	47,945	5,52	-9,0626
34	34	71	SSOVRsx	0,39	-4,49	41,315	4,7	-11,5866
34	34	72	SSOVRsx	0,62	-5,51	39,575	5,85	-9,1181
34	34	56	SW2	21,27	-428,85	43,616	439,87	9,9212
34	34	71	SW2	3,56	-390,58	42,42	392,37	4,3852
34	34	72	SW2	-27,98	-444,62	38,587	431,31	1,0607
35	35	31	DEAD	26,68	-130,02	58,041	145,21	-11,1804
35	35	43	DEAD	42,51	-107,11	53,365	133,53	-13,1185
35	35	44	DEAD	93,79	-167,66	49,055	229,41	-7,4006
35	35	32	DEAD	75,62	-188,23	51,875	235,33	-7,3187
35	35	31	STERR	1,08E-12	-2,678E-14	-25,312	1,093E-12	182,7902
35	35	43	STERR	7,949E-13	-1,541E-13	-31,623	8,821E-13	169,8488
35	35	44	STERR	1,145E-12	-4,763E-13	-37,704	1,443E-12	68,7011
35	35	32	STERR	1,4E-12	-3,188E-13	-33,288	1,584E-12	74,5656
35	35	31	SSOVRdx	-0,14	-0,69	87,544	0,64	117,4406
35	35	43	SSOVRdx	0,93	0,13	-14,394	0,87	130,6323
35	35	44	SSOVRdx	1,22	0,63	-36,44	1,06	74,8871
35	35	32	SSOVRdx	0,53	-0,57	-86,601	0,95	68,516
35	35	31	SSOVRsx	0,69	0,14	-2,456	0,64	-29,3199
35	35	43	SSOVRsx	-0,13	-0,93	75,606	0,87	-42,5416
35	35	44	SSOVRsx	-0,63	-1,22	53,56	1,06	-36,4825
35	35	32	SSOVRsx	0,57	-0,53	3,399	0,95	-27,7625
35	35	31	SW2	27,23	-284,19	61,686	298,74	-140,6303
35	35	43	SW2	65,04	-231,38	55,984	269,85	-165,0082
35	35	44	SW2	144,79	-363,57	49,295	453,64	-93,0865
35	35	32	SW2	98,56	-407,96	52,808	465,14	-92,0567
36	36	32	DEAD	52,51	-161,04	53,158	192,73	-7,3308
36	36	44	DEAD	69,58	-138,88	49,671	183,83	-7,4165
36	36	45	DEAD	46,04	-132,92	48,551	160,95	-4,8387
36	36	33	DEAD	28,6	-154,7	52,634	170,81	-5,5859
36	36	32	STERR	1,333E-12	-2,438E-13	-32,05	1,471E-12	75,0313
36	36	44	STERR	1,051E-12	-3,908E-13	-36,893	1,291E-12	69,0721
36	36	45	STERR	1,116E-12	-2,611E-13	-39,286	1,267E-12	30,392
36	36	33	STERR	1,389E-12	-1,043E-13	-34,001	1,444E-12	36,0603
36	36	32	SSOVRdx	0,46	-0,98	83,985	1,27	68,6736
36	36	44	SSOVRdx	0,75	0,55	-79,826	0,68	75,0494
36	36	45	SSOVRdx	0,77	0,37	50,448	0,66	51,4972
36	36	33	SSOVRdx	0,4	-1,09	74,867	1,34	49,4579
36	36	32	SSOVRsx	0,98	-0,46	-6,015	1,27	-27,7119
36	36	44	SSOVRsx	-0,55	-0,75	10,174	0,68	-36,4409
36	36	45	SSOVRsx	-0,37	-0,77	-39,552	0,66	-31,7322
36	36	33	SSOVRsx	1,09	-0,4	-15,133	1,34	-25,9306
36	36	32	SW2	73,44	-365,25	53,252	406,97	-92,2096
36	36	44	SW2	120,05	-309,72	48,779	384,08	-93,2874
36	36	45	SW2	71,82	-319,79	46,293	361,1	-60,863
36	36	33	SW2	22,55	-372,66	51,267	384,43	-70,261
37	37	33	DEAD	31,17	-152,33	52,094	170,07	-5,5874
37	37	45	DEAD	48,19	-133,31	48,314	162,84	-4,8503
37	37	46	DEAD	44,76	-142,22	46,952	169,1	-3,727
37	37	34	DEAD	27,15	-160,65	50,643	175,8	-4,7753
37	37	33	STERR	1,394E-12	-1,41E-13	-34,731	1,47E-12	36,0889
37	37	45	STERR	1,165E-12	-3,182E-13	-39,806	1,352E-12	30,4633
37	37	46	STERR	1,27E-12	-2,749E-13	-41,875	1,428E-12	13,8865
37	37	34	STERR	1,49E-12	-8,771E-14	-36,913	1,536E-12	20,358
37	37	33	SSOVRdx	0,4	-1,26	73,875	1,5	49,4426
37	37	45	SSOVRdx	0,82	0,02915	55,023	0,8	51,5485

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
37	37	46	SSOVRdx	0,74	-0,15	48,325	0,82	40,6696
37	37	34	SSOVRdx	0,25	-1,36	70,138	1,5	41,1161
37	37	33	SSOVRsx	1,26	-0,4	-16,125	1,5	-25,9044
37	37	45	SSOVRsx	-0,02915	-0,82	-34,977	0,8	-31,7403
37	37	46	SSOVRsx	0,15	-0,74	-41,675	0,82	-28,8585
37	37	34	SSOVRsx	1,36	-0,25	-19,862	1,5	-24,7702
37	37	33	SW2	34,36	-369,1	50,393	387,42	-70,2795
37	37	45	SW2	84,27	-318,22	45,592	367,67	-61,0087
37	37	46	SW2	75,96	-347,03	43,887	390,59	-46,879
37	37	34	SW2	23,92	-395,77	48,473	408,26	-60,0655
38	38	34	DEAD	29,71	-157,84	50,094	174,61	-4,7808
38	38	46	DEAD	41,31	-140,78	47,216	165,35	-3,726
38	38	47	DEAD	33,89	-141,58	46,403	161,21	-2,8794
38	38	35	DEAD	22,05	-158,4	49,414	170,5	-4,1932
38	38	34	STERR	1,508E-12	-1,404E-13	-37,684	1,583E-12	20,2301
38	38	46	STERR	1,272E-12	-2,573E-13	-41,604	1,418E-12	13,9286
38	38	47	STERR	1,365E-12	-2,602E-13	-42,873	1,512E-12	2,8356
38	38	35	STERR	1,596E-12	-1,381E-13	-39,076	1,67E-12	7,8338
38	38	34	SSOVRdx	0,35	-1,53	66,543	1,73	41,1198
38	38	46	SSOVRdx	0,59	-0,31	55,341	0,79	40,6865
38	38	47	SSOVRdx	0,84	-0,67	49,8	1,31	32,4415
38	38	35	SSOVRdx	0,54	-1,82	60,576	2,14	34,6572
38	38	34	SSOVRsx	1,53	-0,35	-23,457	1,73	-24,8057
38	38	46	SSOVRsx	0,31	-0,59	-34,659	0,79	-28,864
38	38	47	SSOVRsx	0,67	-0,84	-40,2	1,31	-26,0547
38	38	35	SSOVRsx	1,82	-0,54	-29,424	2,14	-23,9833
38	38	34	SW2	34,64	-392,67	47,789	411,09	-60,135
38	38	46	SW2	72,83	-345,42	43,943	387,01	-46,8665
38	38	47	SW2	61,25	-355,42	42,949	389,67	-36,218
38	38	35	SW2	22,1	-401,7	46,836	413,19	-52,7433
39	39	35	DEAD	13,69	-162,43	50,89	169,69	-4,1135
39	39	47	DEAD	36,9	-137,25	45,608	158,94	-2,9228
39	39	48	DEAD	14,23	-156,16	40,948	163,74	-1,5102
39	39	36	DEAD	-11,56	-178,76	46,412	173,27	-3,3149
39	39	35	STERR	1,695E-12	-8,509E-14	-37,554	1,74E-12	9,3394
39	39	47	STERR	1,384E-12	-3,428E-13	-43,707	1,583E-12	3,1476
39	39	48	STERR	1,722E-12	-4,563E-14	-50,645	1,746E-12	-16,2211
39	39	36	STERR	1,988E-12	2,581E-13	-44,443	1,873E-12	3,1028
39	39	35	SSOVRdx	0,4	-2,31	63,67	2,53	34,7132
39	39	47	SSOVRdx	1	-1,09	50,887	1,81	32,7813
39	39	48	SSOVRdx	0,09124	-2,34	32,647	2,39	17,5039
39	39	36	SSOVRdx	-0,87	-3,2	47,43	2,87	29,9327
39	39	35	SSOVRsx	2,31	-0,4	-26,33	2,53	-23,5916
39	39	47	SSOVRsx	1,09	-1	-39,113	1,81	-26,1907
39	39	48	SSOVRsx	2,34	-0,09124	-57,353	2,39	-20,1242
39	39	36	SSOVRsx	3,2	0,87	-42,57	2,87	-22,3735
39	39	35	SW2	0,44	-425,76	48,885	425,99	-51,7405
39	39	47	SW2	75,46	-346,68	41,933	389,93	-36,7638
39	39	48	SW2	32,07	-392,7	37,865	409,68	-18,9956
39	39	36	SW2	-50,25	-464,49	44,863	441,51	-41,6961
40	40	37	DEAD	26,68	-130,02	58,041	145,21	11,1804
40	40	50	DEAD	42,51	-107,11	53,365	133,53	13,1185
40	40	51	DEAD	93,79	-167,66	49,055	229,41	7,4006
40	40	38	DEAD	75,62	-188,23	51,875	235,33	7,3187
40	40	37	STERR	2,367E-14	-9,854E-13	64,724	9,975E-13	-182,7902
40	40	50	STERR	1,439E-13	-7,16E-13	58,167	7,978E-13	-169,8488
40	40	51	STERR	4,394E-13	-1,034E-12	52,207	1,31E-12	-68,7011
40	40	38	STERR	2,911E-13	-1,275E-12	56,789	1,443E-12	-74,5656
40	40	37	SSOVRdx	0,69	0,14	-2,456	0,64	29,3199
40	40	50	SSOVRdx	-0,13	-0,93	75,606	0,87	42,5416
40	40	51	SSOVRdx	-0,63	-1,22	53,56	1,06	36,4825
40	40	38	SSOVRdx	0,57	-0,53	3,399	0,95	27,7625
40	40	37	SSOVRsx	-0,14	-0,69	87,544	0,64	-117,4406
40	40	50	SSOVRsx	0,93	0,13	-14,394	0,87	-130,6323
40	40	51	SSOVRsx	1,22	0,63	-36,44	1,06	-74,8871
40	40	38	SSOVRsx	0,53	-0,57	-86,601	0,95	-68,516
40	40	37	SW2	27,23	-284,19	61,686	298,74	140,6303
40	40	50	SW2	65,04	-231,38	55,984	269,85	165,0082
40	40	51	SW2	144,79	-363,57	49,295	453,64	93,0865
40	40	38	SW2	98,56	-407,96	52,808	465,14	92,0567

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
41	41	38	DEAD	52,51	-161,04	53,158	192,73	7,3308
41	41	51	DEAD	69,58	-138,88	49,671	183,83	7,4165
41	41	52	DEAD	46,04	-132,92	48,551	160,95	4,8387
41	41	39	DEAD	28,6	-154,7	52,634	170,81	5,5859
41	41	38	STERR	2,231E-13	-1,218E-12	58,043	1,343E-12	-75,0313
41	41	51	STERR	3,609E-13	-9,495E-13	53,038	1,172E-12	-69,0721
41	41	52	STERR	2,436E-13	-1,011E-12	50,6	1,152E-12	-30,392
41	41	39	STERR	9,628E-14	-1,27E-12	56,059	1,32E-12	-36,0603
41	41	38	SSOVRdx	0,98	-0,46	-6,015	1,27	27,7119
41	41	51	SSOVRdx	-0,55	-0,75	10,174	0,68	36,4409
41	41	52	SSOVRdx	-0,37	-0,77	-39,552	0,66	31,7322
41	41	39	SSOVRdx	1,09	-0,4	-15,133	1,34	25,9306
41	41	38	SSOVRsx	0,46	-0,98	83,985	1,27	-68,6736
41	41	51	SSOVRsx	0,75	0,55	-79,826	0,68	-75,0494
41	41	52	SSOVRsx	0,77	0,37	50,448	0,66	-51,4972
41	41	39	SSOVRsx	0,4	-1,09	74,867	1,34	-49,4579
41	41	38	SW2	73,44	-365,25	53,252	406,97	92,2096
41	41	51	SW2	120,05	-309,72	48,779	384,08	93,2874
41	41	52	SW2	71,82	-319,79	46,293	361,1	60,863
41	41	39	SW2	22,55	-372,66	51,267	384,43	70,261
42	42	39	DEAD	31,17	-152,33	52,094	170,07	5,5874
42	42	52	DEAD	48,19	-133,31	48,314	162,84	4,8503
42	42	53	DEAD	44,76	-142,22	46,952	169,1	3,727
42	42	40	DEAD	27,15	-160,65	50,643	175,8	4,7753
42	42	39	STERR	1,293E-13	-1,276E-12	55,344	1,345E-12	-36,0889
42	42	52	STERR	2,96E-13	-1,058E-12	50,109	1,233E-12	-30,4633
42	42	53	STERR	2,553E-13	-1,154E-12	48,037	1,301E-12	-13,8865
42	42	40	STERR	7,918E-14	-1,362E-12	53,165	1,404E-12	-20,358
42	42	39	SSOVRdx	1,26	-0,4	-16,125	1,5	25,9044
42	42	52	SSOVRdx	-0,02915	-0,82	-34,977	0,8	31,7403
42	42	53	SSOVRdx	0,15	-0,74	-41,675	0,82	28,8585
42	42	40	SSOVRdx	1,36	-0,25	-19,862	1,5	24,7702
42	42	39	SSOVRsx	0,4	-1,26	73,875	1,5	-49,4426
42	42	52	SSOVRsx	0,82	0,02915	55,023	0,8	-51,5485
42	42	53	SSOVRsx	0,74	-0,15	48,325	0,82	-40,6696
42	42	40	SSOVRsx	0,25	-1,36	70,138	1,5	-41,1161
42	42	39	SW2	34,36	-369,1	50,393	387,42	70,2795
42	42	52	SW2	84,27	-318,22	45,592	367,67	61,0087
42	42	53	SW2	75,96	-347,03	43,887	390,59	46,879
42	42	40	SW2	23,92	-395,77	48,473	408,26	60,0655
43	43	40	DEAD	29,71	-157,84	50,094	174,61	4,7808
43	43	53	DEAD	41,31	-140,78	47,216	165,35	3,726
43	43	54	DEAD	33,89	-141,58	46,403	161,21	2,8794
43	43	41	DEAD	22,05	-158,4	49,414	170,5	4,1932
43	43	40	STERR	1,276E-13	-1,38E-12	52,397	1,448E-12	-20,2301
43	43	53	STERR	2,377E-13	-1,156E-12	48,335	1,291E-12	-13,9286
43	43	54	STERR	2,439E-13	-1,244E-12	47,066	1,382E-12	-2,8356
43	43	41	STERR	1,288E-13	-1,463E-12	50,988	1,532E-12	-7,8338
43	43	40	SSOVRdx	1,53	-0,35	-23,457	1,73	24,8057
43	43	53	SSOVRdx	0,31	-0,59	-34,659	0,79	28,864
43	43	54	SSOVRdx	0,67	-0,84	-40,2	1,31	26,0547
43	43	41	SSOVRdx	1,82	-0,54	-29,424	2,14	23,9833
43	43	40	SSOVRsx	0,35	-1,53	66,543	1,73	-41,1198
43	43	53	SSOVRsx	0,59	-0,31	55,341	0,79	-40,6865
43	43	54	SSOVRsx	0,84	-0,67	49,8	1,31	-32,4415
43	43	41	SSOVRsx	0,54	-1,82	60,576	2,14	-34,6572
43	43	40	SW2	34,64	-392,67	47,789	411,09	60,135
43	43	53	SW2	72,83	-345,42	43,943	387,01	46,8665
43	43	54	SW2	61,25	-355,42	42,949	389,67	36,218
43	43	41	SW2	22,1	-401,7	46,836	413,19	52,7433
44	44	41	DEAD	13,69	-162,43	50,89	169,69	4,1135
44	44	54	DEAD	36,9	-137,25	45,608	158,94	2,9228
44	44	55	DEAD	14,23	-156,16	40,948	163,74	1,5102
44	44	42	DEAD	-11,56	-178,76	46,412	173,27	3,3149
44	44	41	STERR	7,907E-14	-1,557E-12	52,548	1,598E-12	-9,3394
44	44	54	STERR	3,185E-13	-1,264E-12	46,29	1,45E-12	-3,1476
44	44	55	STERR	4,163E-14	-1,579E-12	39,248	1,6E-12	16,2211
44	44	42	STERR	-2,414E-13	-1,829E-12	45,573	1,721E-12	-3,1028
44	44	41	SSOVRdx	2,31	-0,4	-26,33	2,53	23,5916
44	44	54	SSOVRdx	1,09	-1	-39,113	1,81	26,1907

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
44	44	55	SSOVRdx	2,34	-0,09124	-57,353	2,39	20,1242
44	44	42	SSOVRdx	3,2	0,87	-42,57	2,87	22,3735
44	44	41	SSOVRsx	0,4	-2,31	63,67	2,53	-34,7132
44	44	54	SSOVRsx	1	-1,09	50,887	1,81	-32,7813
44	44	55	SSOVRsx	0,09124	-2,34	32,647	2,39	-17,5039
44	44	42	SSOVRsx	-0,87	-3,2	47,43	2,87	-29,9327
44	44	41	SW2	0,44	-425,76	48,885	425,99	51,7405
44	44	54	SW2	75,46	-346,68	41,933	389,93	36,7638
44	44	55	SW2	32,07	-392,7	37,865	409,68	18,9956
44	44	42	SW2	-50,25	-464,49	44,863	441,51	41,6961
45	45	64	DEAD	12,66	-138,15	43,777	144,89	-0,1128
45	45	80	DEAD	5,25	-135,14	44,286	137,84	0,4243
45	45	81	DEAD	-3,63	-141,74	42,128	139,96	0,5423
45	45	64	STERR	1,741E-12	-8,669E-14	-48,269	1,786E-12	-18,5824
45	45	80	STERR	1,69E-12	-7,541E-14	-48,822	1,729E-12	-16,0766
45	45	81	STERR	1,758E-12	-4,38E-14	-49,811	1,78E-12	-17,6518
45	45	64	SSOVRdx	-0,19	-5,07	48,87	4,98	8,4445
45	45	80	SSOVRdx	0,17	-4,2	43,907	4,28	7,5077
45	45	81	SSOVRdx	0,24	-4,98	41,494	5,11	5,3433
45	45	64	SSOVRsx	5,07	0,19	-41,13	4,98	-12,6184
45	45	80	SSOVRsx	4,2	-0,17	-46,093	4,28	-10,7801
45	45	81	SSOVRsx	4,98	-0,24	-48,506	5,11	-9,561
45	45	64	SW2	51,77	-307,73	39,809	336,62	-1,4194
45	45	80	SW2	14,05	-316,07	42,037	323,32	5,3369
45	45	81	SW2	-18,21	-321,71	39,362	313,01	6,821
46	46	72	DEAD	12,66	-138,15	43,777	144,89	0,1128
46	46	89	DEAD	5,25	-135,14	44,286	137,84	-0,4243
46	46	90	DEAD	-3,63	-141,74	42,128	139,96	-0,5423
46	46	72	STERR	6,118E-14	-1,61E-12	41,967	1,642E-12	18,5824
46	46	89	STERR	6,931E-14	-1,556E-12	41,142	1,592E-12	16,0766
46	46	90	STERR	5,509E-14	-1,619E-12	40,366	1,647E-12	17,6518
46	46	72	SSOVRdx	5,07	0,19	-41,13	4,98	12,6184
46	46	89	SSOVRdx	4,2	-0,17	-46,093	4,28	10,7801
46	46	90	SSOVRdx	4,98	-0,24	-48,506	5,11	9,561
46	46	72	SSOVRsx	-0,19	-5,07	48,87	4,98	-8,4445
46	46	89	SSOVRsx	0,17	-4,2	43,907	4,28	-7,5077
46	46	90	SSOVRsx	0,24	-4,98	41,494	5,11	-5,3433
46	46	72	SW2	51,77	-307,73	39,809	336,62	1,4194
46	46	89	SW2	14,05	-316,07	42,037	323,32	-5,3369
46	46	90	SW2	-18,21	-321,71	39,362	313,01	-6,821
47	47	81	DEAD	7,61	-85,09	39,066	89,14	0,7774
47	47	99	DEAD	8,5	-81,89	38,024	86,45	1,6531
47	47	100	DEAD	7,95	-85,84	37,335	90,07	1,3372
47	47	81	STERR	8,475E-13	-1,385E-13	-66,417	9,246E-13	-17,2256
47	47	99	STERR	8,807E-13	-1,403E-13	-64,753	9,586E-13	-2,3262
47	47	100	STERR	8,039E-13	-1,606E-13	-63,666	8,95E-13	-3,7227
47	47	81	SSOVRdx	0,16	-2,9	43,418	2,98	4,1441
47	47	99	SSOVRdx	0,89	-2	32,199	2,56	6,2013
47	47	100	SSOVRdx	1,14	-2,92	32,687	3,62	5,4398
47	47	81	SSOVRsx	2,9	-0,16	-46,582	2,98	-8,0938
47	47	99	SSOVRsx	2	-0,89	-57,801	2,56	-1,5669
47	47	100	SSOVRsx	2,92	-1,14	-57,313	3,62	-2,2374
47	47	81	SW2	47,27	-147,21	20,526	175,68	9,7789
47	47	99	SW2	14,63	-164,44	25,352	172,22	20,7934
47	47	100	SW2	6,75	-140,26	22,883	143,76	16,8202
48	48	90	DEAD	7,61	-85,09	39,066	89,14	-0,7774
48	48	109	DEAD	8,5	-81,89	38,024	86,45	-1,6531
48	48	110	DEAD	7,95	-85,84	37,335	90,07	-1,3372
48	48	90	STERR	1,165E-13	-7,879E-13	24,207	8,522E-13	17,2256
48	48	109	STERR	1,355E-13	-8,11E-13	25,426	8,866E-13	2,3262
48	48	110	STERR	1,6E-13	-7,491E-13	26,78	8,406E-13	3,7227
48	48	90	SSOVRdx	2,9	-0,16	-46,582	2,98	8,0938
48	48	109	SSOVRdx	2	-0,89	-57,801	2,56	1,5669
48	48	110	SSOVRdx	2,92	-1,14	-57,313	3,62	2,2374
48	48	90	SSOVRsx	0,16	-2,9	43,418	2,98	-4,1441
48	48	109	SSOVRsx	0,89	-2	32,199	2,56	-6,2013
48	48	110	SSOVRsx	1,14	-2,92	32,687	3,62	-5,4398
48	48	90	SW2	47,27	-147,21	20,526	175,68	-9,7789
48	48	109	SW2	14,63	-164,44	25,352	172,22	-20,7934
48	48	110	SW2	6,75	-140,26	22,883	143,76	-16,8202

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
49	49	43	DEAD	42,51	-107,11	53,365	133,53	-13,1185
49	49	57	DEAD	53,86	-97,52	50,543	132,9	-13,7065
49	49	58	DEAD	102,19	-153,73	47,673	223,13	-7,1115
49	49	44	DEAD	89,95	-162,44	49,308	221,56	-7,4071
49	49	43	STERR	7,949E-13	-1,541E-13	-31,623	8,821E-13	169,8488
49	49	57	STERR	6,255E-13	-2,243E-13	-35,826	7,628E-13	159,3088
49	49	58	STERR	9,643E-13	-5,28E-13	-40,293	1,311E-12	64,5233
49	49	44	STERR	1,121E-12	-4,451E-13	-37,528	1,398E-12	68,7849
49	49	43	SSOVRdx	0,93	0,13	-14,394	0,87	130,6323
49	49	57	SSOVRdx	1,91	0,2	-17,512	1,82	133,4981
49	49	58	SSOVRdx	2,29	0,64	-29,458	2,05	76,4044
49	49	44	SSOVRdx	1,36	0,52	-39,663	1,18	74,9238
49	49	43	SSOVRsx	-0,13	-0,93	75,606	0,87	-42,5416
49	49	57	SSOVRsx	-0,2	-1,91	72,488	1,82	-48,3034
49	49	58	SSOVRsx	-0,64	-2,29	60,542	2,05	-40,0334
49	49	44	SSOVRsx	-0,52	-1,36	50,337	1,18	-36,4752
49	49	43	SW2	65,04	-231,38	55,984	269,85	-165,0082
49	49	57	SW2	94,58	-212,24	52,407	272,15	-172,4043
49	49	58	SW2	167,8	-351,78	46,889	459,27	-89,4508
49	49	44	SW2	134,27	-366,92	48,823	449,36	-93,1691
50	50	44	DEAD	65,77	-133,69	50,019	176,04	-7,4231
50	50	58	DEAD	75,76	-125,05	48,194	175,64	-7,1218
50	50	59	DEAD	62,28	-125,38	47,006	165,55	-4,262
50	50	45	DEAD	52,04	-133,77	48,952	166,02	-4,8443
50	50	44	STERR	1,027E-12	-3,598E-13	-36,662	1,246E-12	69,156
50	50	58	STERR	9,186E-13	-4,752E-13	-39,859	1,227E-12	64,8594
50	50	59	STERR	9,97E-13	-3,96E-13	-42,04	1,243E-12	27,9841
50	50	45	STERR	1,099E-12	-2,746E-13	-38,848	1,259E-12	30,376
50	50	44	SSOVRdx	0,86	0,48	-61,156	0,75	75,0861
50	50	58	SSOVRdx	1,55	0,84	-22,614	1,35	76,5555
50	50	59	SSOVRdx	1,47	0,9	-11,949	1,28	51,9341
50	50	45	SSOVRdx	0,75	0,56	-82,273	0,67	51,5002
50	50	44	SSOVRsx	-0,48	-0,86	28,844	0,75	-36,4336
50	50	58	SSOVRsx	-0,84	-1,55	67,386	1,35	-39,9881
50	50	59	SSOVRsx	-0,9	-1,47	78,051	1,28	-33,9262
50	50	45	SSOVRsx	-0,56	-0,75	7,727	0,67	-31,7354
50	50	44	SW2	109,61	-313,15	48,211	380	-93,37
50	50	58	SW2	138,76	-294,22	46,007	382,94	-89,5801
50	50	59	SW2	105,73	-318,19	43,46	382,18	-53,6086
50	50	45	SW2	75,13	-335,67	45,647	378,87	-60,9335
51	51	45	DEAD	54,18	-134,15	48,719	167,93	-4,8559
51	51	59	DEAD	61,19	-122,57	46,87	162,07	-4,283
51	51	60	DEAD	52,13	-123,29	45,891	156,03	-3,0698
51	51	46	DEAD	44,92	-134,68	47,853	161,88	-3,7241
51	51	45	STERR	1,148E-12	-3,315E-13	-39,4	1,345E-12	30,4473
51	51	59	STERR	9,793E-13	-3,969E-13	-42,264	1,227E-12	28,0309
51	51	60	STERR	1,065E-12	-3,579E-13	-44,027	1,282E-12	12,2921
51	51	46	STERR	1,229E-12	-2,88E-13	-41,127	1,395E-12	13,8785
51	51	45	SSOVRdx	0,75	0,26	70,748	0,66	51,5515
51	51	59	SSOVRdx	1,24	0,8	-23,706	1,09	51,9258
51	51	60	SSOVRdx	1,15	0,74	-4,205	1,01	40,5459
51	51	46	SSOVRdx	0,75	0,11	58,165	0,7	40,6591
51	51	45	SSOVRsx	-0,26	-0,75	-19,252	0,66	-31,7435
51	51	59	SSOVRsx	-0,8	-1,24	66,294	1,09	-33,8883
51	51	60	SSOVRsx	-0,74	-1,15	85,795	1,01	-30,3075
51	51	46	SSOVRsx	-0,11	-0,75	-31,835	0,7	-28,8581
51	51	45	SW2	87,68	-334,2	44,996	385,59	-61,0791
51	51	59	SW2	115,57	-310,55	42,683	381,69	-53,8733
51	51	60	SW2	93,67	-321,58	41,099	377,23	-38,6127
51	51	46	SW2	64,85	-344,29	43,458	380,88	-46,8433
52	52	46	DEAD	41,49	-133,27	48,153	158,15	-3,7231
52	52	60	DEAD	52,44	-119,21	45,422	152,35	-3,0744
52	52	61	DEAD	43	-125,75	43,619	151,89	-2,2388
52	52	47	DEAD	31,54	-139,3	46,433	157,46	-2,8854
52	52	46	STERR	1,23E-12	-2,706E-13	-40,843	1,386E-12	13,9206
52	52	60	STERR	1,074E-12	-3,81E-13	-44,228	1,307E-12	12,3064
52	52	61	STERR	1,203E-12	-2,708E-13	-47,341	1,359E-12	0,7113
52	52	47	STERR	1,35E-12	-1,508E-13	-43,902	1,431E-12	2,8376
52	52	46	SSOVRdx	0,64	-0,09251	66,552	0,69	40,676
52	52	60	SSOVRdx	0,95	0,68	17,067	0,85	40,4189

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
52	52	61	SSOVRdx	0,85	0,17	11,307	0,78	31,4692
52	52	47	SSOVRdx	0,3	-0,35	49,3	0,56	32,4754
52	52	46	SSOVRsx	0,09251	-0,64	-23,448	0,69	-28,8636
52	52	60	SSOVRsx	-0,68	-0,95	-72,933	0,85	-30,1742
52	52	61	SSOVRsx	-0,17	-0,85	-78,693	0,78	-26,8502
52	52	47	SSOVRsx	0,35	-0,3	-40,7	0,56	-26,0756
52	52	46	SW2	61,72	-342,68	43,511	377,34	-46,8309
52	52	60	SW2	97,22	-306,37	40,087	364,82	-38,671
52	52	61	SW2	78,21	-333,78	37,989	378,98	-28,1601
52	52	47	SW2	40,92	-368,29	41,353	390,36	-36,2941
53	53	47	DEAD	34,55	-134,97	45,617	155,16	-2,9288
53	53	61	DEAD	39,08	-126,95	44,185	150,35	-2,2265
53	53	62	DEAD	28,79	-135,49	41,982	151,95	-1,0214
53	53	48	DEAD	23,94	-143,2	43,473	156,55	-1,5311
53	53	47	STERR	1,37E-12	-2,343E-13	-44,735	1,501E-12	3,1497
53	53	61	STERR	1,245E-12	-3,197E-13	-47,291	1,432E-12	0,5928
53	53	62	STERR	1,463E-12	-2,67E-13	-50,085	1,613E-12	-14,3323
53	53	48	STERR	1,58E-12	-1,744E-13	-47,707	1,674E-12	-16,4492
53	53	47	SSOVRdx	0,45	-0,77	51,381	1,08	32,8152
53	53	61	SSOVRdx	0,6	-0,09558	33,221	0,65	31,2948
53	53	62	SSOVRdx	0,85	-0,81	34,646	1,43	16,9532
53	53	48	SSOVRdx	0,66	-1,44	44,514	1,87	17,3904
53	53	47	SSOVRsx	0,77	-0,45	-38,619	1,08	-26,2116
53	53	61	SSOVRsx	0,09558	-0,6	-56,779	0,65	-26,7259
53	53	62	SSOVRsx	0,81	-0,85	-55,354	1,43	-19,398
53	53	48	SSOVRsx	1,44	-0,66	-45,486	1,87	-20,0832
53	53	47	SW2	55,53	-359,96	40,343	390,7	-36,8398
53	53	61	SW2	74,84	-341,12	38,563	384,04	-28,0061
53	53	62	SW2	55,37	-362,8	36,654	393,42	-12,8473
53	53	48	SW2	35,2	-380,78	38,422	399,55	-19,2587
54	54	48	DEAD	8,89	-154,54	46,524	159,18	-1,5191
54	54	62	DEAD	17,68	-135,05	43,093	144,7	-1,0718
54	54	63	DEAD	2,65	-143,76	39,889	145,1	-0,2816
54	54	49	DEAD	-7,16	-162,22	43,682	158,76	-1,109
54	54	48	STERR	1,83E-12	-6,413E-14	-43,879	1,862E-12	-12,3751
54	54	62	STERR	1,537E-12	-1,469E-13	-47,999	1,616E-12	-14,2158
54	54	63	STERR	1,734E-12	7,439E-14	-52,948	1,698E-12	-17,9058
54	54	49	STERR	2,004E-12	1,793E-13	-48,217	1,921E-12	-14,3327
54	54	48	SSOVRdx	0,46	-2,64	53,43	2,9	18,9053
54	54	62	SSOVRdx	0,44	-1,84	49,786	2,09	17,374
54	54	63	SSOVRdx	-0,54	-3,22	31,717	2,99	10,4104
54	54	49	SSOVRdx	-0,68	-3,87	38,89	3,58	17,1732
54	54	48	SSOVRsx	2,64	-0,46	-36,57	2,9	-19,9529
54	54	62	SSOVRsx	1,84	-0,44	-40,214	2,09	-19,7111
54	54	63	SSOVRsx	3,22	0,54	-58,283	2,99	-14,502
54	54	49	SSOVRsx	3,87	0,68	-51,11	3,58	-19,3081
54	54	48	SW2	-11,95	-423,02	42,552	417,17	-19,1076
54	54	62	SW2	24,91	-360,45	37,375	373,54	-13,4813
54	54	63	SW2	13,13	-353,5	36,713	360,24	-3,5419
54	54	49	SW2	-24,37	-415,42	42,19	403,79	-13,9496
55	55	50	DEAD	42,51	-107,11	53,365	133,53	13,1185
55	55	65	DEAD	53,86	-97,52	50,543	132,9	13,7065
55	55	66	DEAD	102,19	-153,73	47,673	223,13	7,1115
55	55	51	DEAD	89,95	-162,44	49,308	221,56	7,4071
55	55	50	STERR	1,439E-13	-7,16E-13	58,167	7,978E-13	-169,8488
55	55	65	STERR	2,09E-13	-5,553E-13	53,793	6,842E-13	-159,3088
55	55	66	STERR	4,868E-13	-8,63E-13	49,497	1,184E-12	-64,5233
55	55	51	STERR	4,1E-13	-1,012E-12	52,365	1,268E-12	-68,7849
55	55	50	SSOVRdx	-0,13	-0,93	75,606	0,87	42,5416
55	55	65	SSOVRdx	-0,2	-1,91	72,488	1,82	48,3034
55	55	66	SSOVRdx	-0,64	-2,29	60,542	2,05	40,0334
55	55	51	SSOVRdx	-0,52	-1,36	50,337	1,18	36,4752
55	55	50	SSOVRsx	0,93	0,13	-14,394	0,87	-130,6323
55	55	65	SSOVRsx	1,91	0,2	-17,512	1,82	-133,4981
55	55	66	SSOVRsx	2,29	0,64	-29,458	2,05	-76,4044
55	55	51	SSOVRsx	1,36	0,52	-39,663	1,18	-74,9238
55	55	50	SW2	65,04	-231,38	55,984	269,85	165,0082
55	55	65	SW2	94,58	-212,24	52,407	272,15	172,4043
55	55	66	SW2	167,8	-351,78	46,889	459,27	89,4508
55	55	51	SW2	134,27	-366,92	48,823	449,36	93,1691

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
56	56	51	DEAD	65,77	-133,69	50,019	176,04	7,4231
56	56	66	DEAD	75,76	-125,05	48,194	175,64	7,1218
56	56	67	DEAD	62,28	-125,38	47,006	165,55	4,262
56	56	52	DEAD	52,04	-133,77	48,952	166,02	4,8443
56	56	51	STERR	3,317E-13	-9,28E-13	53,249	1,131E-12	-69,156
56	56	66	STERR	4,41E-13	-8,26E-13	49,928	1,114E-12	-64,8594
56	56	67	STERR	3,682E-13	-8,972E-13	47,74	1,127E-12	-27,9841
56	56	52	STERR	2,533E-13	-9,937E-13	51,058	1,142E-12	-30,376
56	56	51	SSOVRdx	-0,48	-0,86	28,844	0,75	36,4336
56	56	66	SSOVRdx	-0,84	-1,55	67,386	1,35	39,9881
56	56	67	SSOVRdx	-0,9	-1,47	78,051	1,28	33,9262
56	56	52	SSOVRdx	-0,56	-0,75	7,727	0,67	31,7354
56	56	51	SSOVRsx	0,86	0,48	-61,156	0,75	-75,0861
56	56	66	SSOVRsx	1,55	0,84	-22,614	1,35	-76,5555
56	56	67	SSOVRsx	1,47	0,9	-11,949	1,28	-51,9341
56	56	52	SSOVRsx	0,75	0,56	-82,273	0,67	-51,5002
56	56	51	SW2	109,61	-313,15	48,211	380	93,37
56	56	66	SW2	138,76	-294,22	46,007	382,94	89,5801
56	56	67	SW2	105,73	-318,19	43,46	382,18	53,6086
56	56	52	SW2	75,13	-335,67	45,647	378,87	60,9335
57	57	52	DEAD	54,18	-134,15	48,719	167,93	4,8559
57	57	67	DEAD	61,19	-122,57	46,87	162,07	4,283
57	57	68	DEAD	52,13	-123,29	45,891	156,03	3,0698
57	57	53	DEAD	44,92	-134,68	47,853	161,88	3,7241
57	57	52	STERR	3,056E-13	-1,041E-12	50,53	1,223E-12	-30,4473
57	57	67	STERR	3,659E-13	-8,793E-13	47,543	1,108E-12	-28,0309
57	57	68	STERR	3,326E-13	-9,6E-13	45,762	1,163E-12	-12,2921
57	57	53	STERR	2,68E-13	-1,117E-12	48,78	1,273E-12	-13,8785
57	57	52	SSOVRdx	-0,26	-0,75	-19,252	0,66	31,7435
57	57	67	SSOVRdx	-0,8	-1,24	66,294	1,09	33,8883
57	57	68	SSOVRdx	-0,74	-1,15	85,795	1,01	30,3075
57	57	53	SSOVRdx	-0,11	-0,75	-31,835	0,7	28,8581
57	57	52	SSOVRsx	0,75	0,26	70,748	0,66	-51,5515
57	57	67	SSOVRsx	1,24	0,8	-23,706	1,09	-51,9258
57	57	68	SSOVRsx	1,15	0,74	-4,205	1,01	-40,5459
57	57	53	SSOVRsx	0,75	0,11	58,165	0,7	-40,6591
57	57	52	SW2	87,68	-334,2	44,996	385,59	61,0791
57	57	67	SW2	115,57	-310,55	42,683	381,69	53,8733
57	57	68	SW2	93,67	-321,58	41,099	377,23	38,6127
57	57	53	SW2	64,85	-344,29	43,458	380,88	46,8433
58	58	53	DEAD	41,49	-133,27	48,153	158,15	3,7231
58	58	68	DEAD	52,44	-119,21	45,422	152,35	3,0744
58	58	69	DEAD	43	-125,75	43,619	151,89	2,2388
58	58	54	DEAD	31,54	-139,3	46,433	157,46	2,8854
58	58	53	STERR	2,506E-13	-1,119E-12	49,092	1,263E-12	-13,9206
58	58	68	STERR	3,535E-13	-9,728E-13	45,626	1,19E-12	-12,3064
58	58	69	STERR	2,493E-13	-1,089E-12	42,468	1,233E-12	-0,7113
58	58	54	STERR	1,374E-13	-1,226E-12	46,004	1,3E-12	-2,8376
58	58	53	SSOVRdx	0,09251	-0,64	-23,448	0,69	28,8636
58	58	68	SSOVRdx	-0,68	-0,95	-72,933	0,85	30,1742
58	58	69	SSOVRdx	-0,17	-0,85	-78,693	0,78	26,8502
58	58	54	SSOVRdx	0,35	-0,3	-40,7	0,56	26,0756
58	58	53	SSOVRsx	0,64	-0,09251	66,552	0,69	-40,676
58	58	68	SSOVRsx	0,95	0,68	17,067	0,85	-40,4189
58	58	69	SSOVRsx	0,85	0,17	11,307	0,78	-31,4692
58	58	54	SSOVRsx	0,3	-0,35	49,3	0,56	-32,4754
58	58	53	SW2	61,72	-342,68	43,511	377,34	46,8309
58	58	68	SW2	97,22	-306,37	40,087	364,82	38,671
58	58	69	SW2	78,21	-333,78	37,989	378,98	28,1601
58	58	54	SW2	40,92	-368,29	41,353	390,36	36,2941
59	59	54	DEAD	34,55	-134,97	45,617	155,16	2,9288
59	59	69	DEAD	39,08	-126,95	44,185	150,35	2,2265
59	59	70	DEAD	28,79	-135,49	41,982	151,95	1,0214
59	59	55	DEAD	23,94	-143,2	43,473	156,55	1,5311
59	59	54	STERR	2,128E-13	-1,248E-12	45,232	1,367E-12	-3,1497
59	59	69	STERR	2,927E-13	-1,128E-12	42,556	1,3E-12	-0,5928
59	59	70	STERR	2,524E-13	-1,333E-12	39,832	1,475E-12	14,3323
59	59	55	STERR	1,658E-13	-1,446E-12	42,303	1,535E-12	16,4492
59	59	54	SSOVRdx	0,77	-0,45	-38,619	1,08	26,2116
59	59	69	SSOVRdx	0,09558	-0,6	-56,779	0,65	26,7259

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
59	59	70	SSOVRdx	0,81	-0,85	-55,354	1,43	19,398
59	59	55	SSOVRdx	1,44	-0,66	-45,486	1,87	20,0832
59	59	54	SSOVRsx	0,45	-0,77	51,381	1,08	-32,8152
59	59	69	SSOVRsx	0,6	-0,09558	33,221	0,65	-31,2948
59	59	70	SSOVRsx	0,85	-0,81	34,646	1,43	-16,9532
59	59	55	SSOVRsx	0,66	-1,44	44,514	1,87	-17,3904
59	59	54	SW2	55,53	-359,96	40,343	390,7	36,8398
59	59	69	SW2	74,84	-341,12	38,563	384,04	28,0061
59	59	70	SW2	55,37	-362,8	36,654	393,42	12,8473
59	59	55	SW2	35,2	-380,78	38,422	399,55	19,2587
60	60	55	DEAD	8,89	-154,54	46,524	159,18	1,5191
60	60	70	DEAD	17,68	-135,05	43,093	144,7	1,0718
60	60	71	DEAD	2,65	-143,76	39,889	145,1	0,2816
60	60	56	DEAD	-7,16	-162,22	43,682	158,76	1,109
60	60	55	STERR	6,431E-14	-1,681E-12	46,197	1,714E-12	12,3751
60	60	70	STERR	1,391E-13	-1,411E-12	42,089	1,485E-12	14,2158
60	60	71	STERR	-7,393E-14	-1,596E-12	36,933	1,561E-12	17,9058
60	60	56	STERR	-1,699E-13	-1,846E-12	41,694	1,767E-12	14,3327
60	60	55	SSOVRdx	2,64	-0,46	-36,57	2,9	19,9529
60	60	70	SSOVRdx	1,84	-0,44	-40,214	2,09	19,7111
60	60	71	SSOVRdx	3,22	0,54	-58,283	2,99	14,502
60	60	56	SSOVRdx	3,87	0,68	-51,11	3,58	19,3081
60	60	55	SSOVRsx	0,46	-2,64	53,43	2,9	-18,9053
60	60	70	SSOVRsx	0,44	-1,84	49,786	2,09	-17,374
60	60	71	SSOVRsx	-0,54	-3,22	31,717	2,99	-10,4104
60	60	56	SSOVRsx	-0,68	-3,87	38,89	3,58	-17,1732
60	60	55	SW2	-11,95	-423,02	42,552	417,17	19,1076
60	60	70	SW2	24,91	-360,45	37,375	373,54	13,4813
60	60	71	SW2	13,13	-353,5	36,713	360,24	3,5419
60	60	56	SW2	-24,37	-415,42	42,19	403,79	13,9496
61	61	57	DEAD	53,86	-97,52	50,543	132,9	-13,7065
61	61	73	DEAD	61,74	-82,15	47,713	125,04	-14,2454
61	61	74	DEAD	110,88	-139,05	45,966	216,91	-6,5189
61	61	58	DEAD	102,39	-153,82	47,679	223,37	-7,111
61	61	57	STERR	6,255E-13	-2,243E-13	-35,826	7,628E-13	159,3088
61	61	73	STERR	4,791E-13	-3,51E-13	-42,048	7,217E-13	146,2191
61	61	74	STERR	8,232E-13	-6,546E-13	-43,868	1,283E-12	59,1616
61	61	58	STERR	9,595E-13	-5,177E-13	-40,315	1,298E-12	64,525
61	61	57	SSOVRdx	1,91	0,2	-17,512	1,82	133,4981
61	61	73	SSOVRdx	2,9	0,44	-12,575	2,71	135,2379
61	61	74	SSOVRdx	3,23	0,92	-21,494	2,88	77,3004
61	61	58	SSOVRdx	2,33	0,59	-30,146	2,09	76,4045
61	61	57	SSOVRsx	-0,2	-1,91	72,488	1,82	-48,3034
61	61	73	SSOVRsx	-0,44	-2,9	77,425	2,71	-54,4521
61	61	74	SSOVRsx	-0,92	-3,23	68,506	2,88	-43,6769
61	61	58	SSOVRsx	-0,59	-2,33	59,854	2,09	-40,0332
61	61	57	SW2	94,58	-212,24	52,407	272,15	-172,4043
61	61	73	SW2	121,28	-186,57	49,064	268,6	-179,1837
61	61	74	SW2	192,87	-335,76	44,555	463,35	-81,9972
61	61	58	SW2	162,92	-358,18	46,469	461,73	-89,4438
62	62	58	DEAD	75,96	-125,13	48,201	175,88	-7,1212
62	62	74	DEAD	85,32	-112,94	46,165	172,26	-6,5717
62	62	75	DEAD	71,68	-112,29	44,907	160,61	-3,4835
62	62	59	DEAD	62,03	-124,18	47,12	164,23	-4,2621
62	62	58	STERR	9,137E-13	-4,649E-13	-39,878	1,215E-12	64,861
62	62	74	STERR	7,247E-13	-5,529E-13	-43,643	1,11E-12	59,462
62	62	75	STERR	8,377E-13	-4,891E-13	-46,239	1,162E-12	25,4468
62	62	59	STERR	1,019E-12	-3,931E-13	-42,413	1,262E-12	27,9833
62	62	58	SSOVRdx	1,59	0,8	-24,823	1,37	76,5557
62	62	74	SSOVRdx	2,69	0,96	-19,424	2,36	77,4116
62	62	75	SSOVRdx	2,56	0,92	-13,385	2,25	52,1426
62	62	59	SSOVRdx	1,44	0,77	-10,91	1,25	51,934
62	62	58	SSOVRsx	-0,8	-1,59	65,177	1,37	-39,9879
62	62	74	SSOVRsx	-0,96	-2,69	70,576	2,36	-43,5945
62	62	75	SSOVRsx	-0,92	-2,56	76,615	2,25	-36,0431
62	62	59	SSOVRsx	-0,77	-1,44	79,09	1,25	-33,9261
62	62	58	SW2	134,01	-300,75	45,507	385,63	-89,5731
62	62	74	SW2	168,37	-276,95	42,999	389,46	-82,6611
62	62	75	SW2	136,12	-302,41	40,438	388,77	-43,817
62	62	59	SW2	100,05	-324,5	42,922	384,42	-53,6105

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
63	63	59	DEAD	60,94	-121,37	46,984	160,75	-4,2832
63	63	75	DEAD	71,95	-109,44	44,577	158,2	-3,4666
63	63	76	DEAD	64,25	-114,25	43,23	156,59	-2,317
63	63	60	DEAD	52,89	-125,83	45,685	159,01	-3,0703
63	63	59	STERR	1,001E-12	-3,941E-13	-42,639	1,246E-12	28,0301
63	63	75	STERR	8,792E-13	-5,436E-13	-46,33	1,244E-12	25,5109
63	63	76	STERR	9,41E-13	-4,708E-13	-48,167	1,245E-12	10,7576
63	63	60	STERR	1,057E-12	-3,155E-13	-44,475	1,245E-12	12,2934
63	63	59	SSOVRdx	1,21	0,68	-20,385	1,05	51,9257
63	63	75	SSOVRdx	2,33	0,92	-10,516	2,03	52,3008
63	63	76	SSOVRdx	2,32	0,84	-11,194	2,03	39,9366
63	63	60	SSOVRdx	1,21	0,6	-20,764	1,05	40,547
63	63	59	SSOVRsx	-0,68	-1,21	69,615	1,05	-33,8881
63	63	75	SSOVRsx	-0,92	-2,33	79,484	2,03	-36,161
63	63	76	SSOVRsx	-0,84	-2,32	78,806	2,03	-31,2631
63	63	60	SSOVRsx	-0,6	-1,21	69,236	1,05	-30,3074
63	63	59	SW2	110	-316,98	42,149	383,98	-53,8752
63	63	75	SW2	141,75	-289,95	39,552	381,14	-43,6042
63	63	76	SW2	121,21	-316,47	37,521	391,41	-29,1436
63	63	60	SW2	88,07	-342,1	40,062	393,59	-38,6193
64	64	60	DEAD	53,21	-121,76	45,22	155,35	-3,0749
64	64	76	DEAD	63,24	-112,41	43,111	154,09	-2,3148
64	64	77	DEAD	55,22	-114,15	41,936	149,61	-1,4784
64	64	61	DEAD	44,94	-123,24	44,12	150,82	-2,2386
64	64	60	STERR	1,067E-12	-3,387E-13	-44,673	1,27E-12	12,3077
64	64	76	STERR	9,046E-13	-4,787E-13	-48,85	1,217E-12	10,7988
64	64	77	STERR	1,073E-12	-4,775E-13	-50,552	1,376E-12	-0,0685
64	64	61	STERR	1,229E-12	-3,306E-13	-46,788	1,423E-12	0,7055
64	64	60	SSOVRdx	0,94	0,6	-17,368	0,82	40,4199
64	64	76	SSOVRdx	2,16	0,72	-17,644	1,9	40,5212
64	64	77	SSOVRdx	1,97	0,55	-1,455	1,76	30,5476
64	64	61	SSOVRdx	0,97	0,21	23,625	0,89	31,466
64	64	60	SSOVRsx	-0,6	-0,94	72,632	0,82	-30,174
64	64	76	SSOVRsx	-0,72	-2,16	72,356	1,9	-31,8173
64	64	77	SSOVRsx	-0,55	-1,97	88,545	1,76	-27,1722
64	64	61	SSOVRsx	-0,21	-0,97	-66,375	0,89	-26,8498
64	64	60	SW2	91,88	-327,15	39,058	381,48	-38,6776
64	64	76	SW2	129,54	-314,04	37,143	395,07	-29,1163
64	64	77	SW2	111,78	-324,57	35,713	392,58	-18,5959
64	64	61	SW2	73,41	-336,97	37,577	379,04	-28,1578
65	65	61	DEAD	41,05	-124,47	44,696	149,28	-2,2264
65	65	77	DEAD	48,43	-109,7	42,002	140,33	-1,5465
65	65	78	DEAD	33,99	-119,19	38,881	139,33	-0,4861
65	65	62	DEAD	25,79	-133,14	41,801	147,73	-1,0209
65	65	61	STERR	1,27E-12	-3,795E-13	-46,771	1,497E-12	0,587
65	65	77	STERR	1,111E-12	-4,627E-13	-49,826	1,401E-12	0,1422
65	65	78	STERR	1,298E-12	-2,496E-13	-55,025	1,439E-12	-13,8196
65	65	62	STERR	1,442E-12	-1,507E-13	-51,693	1,523E-12	-14,3211
65	65	61	SSOVRdx	0,81	-0,15	39,764	0,89	31,2915
65	65	77	SSOVRdx	1,21	0,39	5,774	1,07	30,7505
65	65	78	SSOVRdx	1,08	-0,2	0,898	1,2	15,4877
65	65	62	SSOVRdx	0,49	-0,56	25,6	0,91	16,9597
65	65	61	SSOVRsx	0,15	-0,81	-50,236	0,89	-26,7255
65	65	77	SSOVRsx	-0,39	-1,21	-84,226	1,07	-27,2676
65	65	78	SSOVRsx	0,2	-1,08	-89,102	1,2	-18,2389
65	65	62	SSOVRsx	0,56	-0,49	-64,4	0,91	-19,4003
65	65	61	SW2	69,98	-344,25	38,157	384,05	-28,0038
65	65	77	SW2	100,67	-308,4	34,817	369,17	-19,4521
65	65	78	SW2	72,51	-339,74	31,898	381,2	-6,1145
65	65	62	SW2	39,37	-373,14	35,252	394,3	-12,8415
66	66	62	DEAD	14,65	-132,68	42,938	140,58	-1,0713
66	66	78	DEAD	22,67	-117,41	39,628	130,24	-0,4902
66	66	79	DEAD	14,18	-124,7	37,353	132,36	0,1363
66	66	63	DEAD	5,51	-139,31	40,809	142,15	-0,2888
66	66	62	STERR	1,513E-12	-2,737E-14	-49,467	1,526E-12	-14,2046
66	66	78	STERR	1,314E-12	-2,588E-13	-54,759	1,461E-12	-13,6732
66	66	79	STERR	1,552E-12	-2,158E-13	-56,886	1,67E-12	-16,2937
66	66	63	STERR	1,738E-12	2,774E-14	-52,212	1,724E-12	-17,9525
66	66	62	SSOVRdx	0,01749	-1,53	50,731	1,53	17,3804
66	66	78	SSOVRdx	0,3	-0,58	27,385	0,78	15,4627

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
66	66	79	SSOVRdx	0,32	-1,97	25,708	2,15	8,6864
66	66	63	SSOVRdx	-0,12	-2,77	38,349	2,71	10,3902
66	66	62	SSOVRsx	1,53	-0,01749	-39,269	1,53	-19,7135
66	66	78	SSOVRsx	0,58	-0,3	-62,615	0,78	-18,1217
66	66	79	SSOVRsx	1,97	-0,32	-64,292	2,15	-12,0994
66	66	63	SSOVRsx	2,77	0,12	-51,651	2,71	-14,4934
66	66	62	SW2	8,68	-370,56	35,862	374,98	-13,4755
66	66	78	SW2	48,71	-334,92	31,9	361,74	-6,1653
66	66	79	SW2	43,12	-325,81	31,541	349,37	1,714
66	66	63	SW2	2,83	-361,19	35,661	362,62	-3,632
67	67	63	DEAD	-6,88	-149,93	43,844	146,62	-0,3558
67	67	79	DEAD	5,55	-127,51	38,704	130,37	0,2181
67	67	80	DEAD	11,44	-123,39	40,231	129,49	0,4332
67	67	64	DEAD	-0,38	-146,43	45,176	146,24	-0,0371
67	67	63	STERR	1,971E-12	1,318E-13	-48,131	1,909E-12	-17,0032
67	67	79	STERR	1,549E-12	-4,334E-14	-56,045	1,571E-12	-16,7115
67	67	80	STERR	1,434E-12	-1,131E-13	-53,948	1,493E-12	-16,182
67	67	64	STERR	1,872E-12	4,572E-14	-46,208	1,85E-12	-18,8649
67	67	63	SSOVRdx	-0,08933	-3,98	46,329	3,93	11,5664
67	67	79	SSOVRdx	-0,33	-2,59	37,423	2,44	8,5498
67	67	80	SSOVRdx	-0,27	-3,11	35,671	2,99	6,5792
67	67	64	SSOVRdx	-0,07368	-4,47	44,102	4,43	9,1245
67	67	63	SSOVRsx	3,98	0,08933	-43,671	3,93	-15,2632
67	67	79	SSOVRsx	2,59	0,33	-52,577	2,44	-12,1741
67	67	80	SSOVRsx	3,11	0,27	-54,329	2,99	-9,911
67	67	64	SSOVRsx	4,47	0,07368	-45,898	4,43	-13,7451
67	67	63	SW2	-47,98	-392,42	39,824	370,76	-4,4753
67	67	79	SW2	18,31	-326,03	32,057	335,57	2,7438
67	67	80	SW2	53,17	-283,48	36,473	313,47	5,4485
67	67	64	SW2	-5,97	-357,01	44,161	354,06	-0,4661
68	68	65	DEAD	53,86	-97,52	50,543	132,9	13,7065
68	68	82	DEAD	61,74	-82,15	47,713	125,04	14,2454
68	68	83	DEAD	110,88	-139,05	45,966	216,91	6,5189
68	68	66	DEAD	102,39	-153,82	47,679	223,37	7,111
68	68	65	STERR	2,09E-13	-5,553E-13	53,793	6,842E-13	-159,3088
68	68	82	STERR	3,317E-13	-4,208E-13	47,264	6,532E-13	-146,2191
68	68	83	STERR	6,078E-13	-7,325E-13	45,763	1,162E-12	-59,1616
68	68	66	STERR	4,763E-13	-8,582E-13	49,466	1,171E-12	-64,525
68	68	65	SSOVRdx	-0,2	-1,91	72,488	1,82	48,3034
68	68	82	SSOVRdx	-0,44	-2,9	77,425	2,71	54,4521
68	68	83	SSOVRdx	-0,92	-3,23	68,506	2,88	43,6769
68	68	66	SSOVRdx	-0,59	-2,33	59,854	2,09	40,0332
68	68	65	SSOVRsx	1,91	0,2	-17,512	1,82	-133,4981
68	68	82	SSOVRsx	2,9	0,44	-12,575	2,71	-135,2379
68	68	83	SSOVRsx	3,23	0,92	-21,494	2,88	-77,3004
68	68	66	SSOVRsx	2,33	0,59	-30,146	2,09	-76,4045
68	68	65	SW2	94,58	-212,24	52,407	272,15	172,4043
68	68	82	SW2	121,28	-186,57	49,064	268,6	179,1837
68	68	83	SW2	192,87	-335,76	44,555	463,35	81,9972
68	68	66	SW2	162,92	-358,18	46,469	461,73	89,4438
69	69	66	DEAD	75,96	-125,13	48,201	175,88	7,1212
69	69	83	DEAD	85,32	-112,94	46,165	172,26	6,5717
69	69	84	DEAD	71,68	-112,29	44,907	160,61	3,4835
69	69	67	DEAD	62,03	-124,18	47,12	164,23	4,2621
69	69	66	STERR	4,304E-13	-8,211E-13	49,9	1,101E-12	-64,861
69	69	83	STERR	5,13E-13	-6,414E-13	45,947	1,002E-12	-59,462
69	69	84	STERR	4,555E-13	-7,481E-13	43,301	1,053E-12	-25,4468
69	69	67	STERR	3,651E-13	-9,2E-13	47,311	1,147E-12	-27,9833
69	69	66	SSOVRdx	-0,8	-1,59	65,177	1,37	39,9879
69	69	83	SSOVRdx	-0,96	-2,69	70,576	2,36	43,5945
69	69	84	SSOVRdx	-0,92	-2,56	76,615	2,25	36,0431
69	69	67	SSOVRdx	-0,77	-1,44	79,09	1,25	33,9261
69	69	66	SSOVRsx	1,59	0,8	-24,823	1,37	-76,5557
69	69	83	SSOVRsx	2,69	0,96	-19,424	2,36	-77,4116
69	69	84	SSOVRsx	2,56	0,92	-13,385	2,25	-52,1426
69	69	67	SSOVRsx	1,44	0,77	-10,91	1,25	-51,934
69	69	66	SW2	134,01	-300,75	45,507	385,63	89,5731
69	69	83	SW2	168,37	-276,95	42,999	389,46	82,6611
69	69	84	SW2	136,12	-302,41	40,438	388,77	43,817
69	69	67	SW2	100,05	-324,5	42,922	384,42	53,6105

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
70	70	67	DEAD	60,94	-121,37	46,984	160,75	4,2832
70	70	84	DEAD	71,95	-109,44	44,577	158,2	3,4666
70	70	85	DEAD	64,25	-114,25	43,23	156,59	2,317
70	70	68	DEAD	52,89	-125,83	45,685	159,01	3,0703
70	70	67	STERR	3,629E-13	-9,021E-13	47,11	1,128E-12	-28,0301
70	70	84	STERR	5,059E-13	-7,889E-13	43,279	1,13E-12	-25,5109
70	70	85	STERR	4,383E-13	-8,411E-13	41,462	1,126E-12	-10,7576
70	70	68	STERR	2,899E-13	-9,49E-13	45,306	1,122E-12	-12,2934
70	70	67	SSOVRdx	-0,68	-1,21	69,615	1,05	33,8881
70	70	84	SSOVRdx	-0,92	-2,33	79,484	2,03	36,161
70	70	85	SSOVRdx	-0,84	-2,32	78,806	2,03	31,2631
70	70	68	SSOVRdx	-0,6	-1,21	69,236	1,05	30,3074
70	70	67	SSOVRsx	1,21	0,68	-20,385	1,05	-51,9257
70	70	84	SSOVRsx	2,33	0,92	-10,516	2,03	-52,3008
70	70	85	SSOVRsx	2,32	0,84	-11,194	2,03	-39,9366
70	70	68	SSOVRsx	1,21	0,6	-20,764	1,05	-40,547
70	70	67	SW2	110	-316,98	42,149	383,98	53,8752
70	70	84	SW2	141,75	-289,95	39,552	381,14	43,6042
70	70	85	SW2	121,21	-316,47	37,521	391,41	29,1436
70	70	68	SW2	88,07	-342,1	40,062	393,59	38,6193
71	71	68	DEAD	53,21	-121,76	45,22	155,35	3,0749
71	71	85	DEAD	63,24	-112,41	43,111	154,09	2,3148
71	71	86	DEAD	55,22	-114,15	41,936	149,61	1,4784
71	71	69	DEAD	44,94	-123,24	44,12	150,82	2,2386
71	71	68	STERR	3,108E-13	-9,619E-13	45,177	1,149E-12	-12,3077
71	71	85	STERR	4,426E-13	-8,053E-13	40,753	1,096E-12	-10,7988
71	71	86	STERR	4,452E-13	-9,672E-13	39,066	1,251E-12	0,0685
71	71	69	STERR	3,069E-13	-1,117E-12	43,021	1,298E-12	-0,7055
71	71	68	SSOVRdx	-0,6	-0,94	72,632	0,82	30,174
71	71	85	SSOVRdx	-0,72	-2,16	72,356	1,9	31,8173
71	71	86	SSOVRdx	-0,55	-1,97	88,545	1,76	27,1722
71	71	69	SSOVRdx	-0,21	-0,97	-66,375	0,89	26,8498
71	71	68	SSOVRsx	0,94	0,6	-17,368	0,82	-40,4199
71	71	85	SSOVRsx	2,16	0,72	-17,644	1,9	-40,5212
71	71	86	SSOVRsx	1,97	0,55	-1,455	1,76	-30,5476
71	71	69	SSOVRsx	0,97	0,21	23,625	0,89	-31,466
71	71	68	SW2	91,88	-327,15	39,058	381,48	38,6776
71	71	85	SW2	129,54	-314,04	37,143	395,07	29,1163
71	71	86	SW2	111,78	-324,57	35,713	392,58	18,5959
71	71	69	SW2	73,41	-336,97	37,577	379,04	28,1578
72	72	69	DEAD	41,05	-124,47	44,696	149,28	2,2264
72	72	86	DEAD	48,43	-109,7	42,002	140,33	1,5465
72	72	87	DEAD	33,99	-119,19	38,881	139,33	0,4861
72	72	70	DEAD	25,79	-133,14	41,801	147,73	1,0209
72	72	69	STERR	3,503E-13	-1,156E-12	43,073	1,365E-12	-0,587
72	72	86	STERR	4,263E-13	-1,006E-12	39,933	1,274E-12	-0,1422
72	72	87	STERR	2,325E-13	-1,17E-12	34,763	1,302E-12	13,8196
72	72	70	STERR	1,419E-13	-1,306E-12	38,211	1,382E-12	14,3211
72	72	69	SSOVRdx	0,15	-0,81	-50,236	0,89	26,7255
72	72	86	SSOVRdx	-0,39	-1,21	-84,226	1,07	27,2676
72	72	87	SSOVRdx	0,2	-1,08	-89,102	1,2	18,2389
72	72	70	SSOVRdx	0,56	-0,49	-64,4	0,91	19,4003
72	72	69	SSOVRsx	0,81	-0,15	39,764	0,89	-31,2915
72	72	86	SSOVRsx	1,21	0,39	5,774	1,07	-30,7505
72	72	87	SSOVRsx	1,08	-0,2	0,898	1,2	-15,4877
72	72	70	SSOVRsx	0,49	-0,56	25,6	0,91	-16,9597
72	72	69	SW2	69,98	-344,25	38,157	384,05	28,0038
72	72	86	SW2	100,67	-308,4	34,817	369,17	19,4521
72	72	87	SW2	72,51	-339,74	31,898	381,2	6,1145
72	72	70	SW2	39,37	-373,14	35,252	394,3	12,8415
73	73	70	DEAD	14,65	-132,68	42,938	140,58	1,0713
73	73	87	DEAD	22,67	-117,41	39,628	130,24	0,4902
73	73	88	DEAD	14,18	-124,7	37,353	132,36	-0,1363
73	73	71	DEAD	5,51	-139,31	40,809	142,15	0,2888
73	73	70	STERR	2,531E-14	-1,38E-12	40,649	1,393E-12	14,2046
73	73	87	STERR	2,412E-13	-1,194E-12	35,215	1,331E-12	13,6732
73	73	88	STERR	2,006E-13	-1,432E-12	32,954	1,542E-12	16,2937
73	73	71	STERR	-2,749E-14	-1,606E-12	37,692	1,592E-12	17,9525
73	73	70	SSOVRdx	1,53	-0,01749	-39,269	1,53	19,7135
73	73	87	SSOVRdx	0,58	-0,3	-62,615	0,78	18,1217

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
73	73	88	SSOVRdx	1,97	-0,32	-64,292	2,15	12,0994
73	73	71	SSOVRdx	2,77	0,12	-51,651	2,71	14,4934
73	73	70	SSOVRsx	0,01749	-1,53	50,731	1,53	-17,3804
73	73	87	SSOVRsx	0,3	-0,58	27,385	0,78	-15,4627
73	73	88	SSOVRsx	0,32	-1,97	25,708	2,15	-8,6864
73	73	71	SSOVRsx	-0,12	-2,77	38,349	2,71	-10,3902
73	73	70	SW2	8,68	-370,56	35,862	374,98	13,4755
73	73	87	SW2	48,71	-334,92	31,9	361,74	6,1653
73	73	88	SW2	43,12	-325,81	31,541	349,37	-1,714
73	73	71	SW2	2,83	-361,19	35,661	362,62	3,632
74	74	71	DEAD	-6,88	-149,93	43,844	146,62	0,3558
74	74	88	DEAD	5,55	-127,51	38,704	130,37	-0,2181
74	74	89	DEAD	11,44	-123,39	40,231	129,49	-0,4332
74	74	72	DEAD	-0,38	-146,43	45,176	146,24	0,0371
74	74	71	STERR	-1,171E-13	-1,822E-12	41,735	1,767E-12	17,0032
74	74	88	STERR	2,366E-14	-1,427E-12	33,842	1,439E-12	16,7115
74	74	89	STERR	8,733E-14	-1,309E-12	36,043	1,354E-12	16,182
74	74	72	STERR	-3,773E-14	-1,719E-12	43,768	1,701E-12	18,8649
74	74	71	SSOVRdx	3,98	0,08933	-43,671	3,93	15,2632
74	74	88	SSOVRdx	2,59	0,33	-52,577	2,44	12,1741
74	74	89	SSOVRdx	3,11	0,27	-54,329	2,99	9,911
74	74	72	SSOVRdx	4,47	0,07368	-45,898	4,43	13,7451
74	74	71	SSOVRsx	-0,08933	-3,98	46,329	3,93	-11,5664
74	74	88	SSOVRsx	-0,33	-2,59	37,423	2,44	-8,5498
74	74	89	SSOVRsx	-0,27	-3,11	35,671	2,99	-6,5792
74	74	72	SSOVRsx	-0,07368	-4,47	44,102	4,43	-9,1245
74	74	71	SW2	-47,98	-392,42	39,824	370,76	4,4753
74	74	88	SW2	18,31	-326,03	32,057	335,57	-2,7438
74	74	89	SW2	53,17	-283,48	36,473	313,47	-5,4485
74	74	72	SW2	-5,97	-357,01	44,161	354,06	0,4661
75	75	100	DEAD	2,92	-26,58	30,37	28,16	3,0855
75	75	120	DEAD	-2,99	-30,86	37,06	29,48	-0,6329
75	75	121	DEAD	-5,59	-26,65	35,93	24,34	-0,9798
75	75	100	STERR	2,202E-13	-2,018E-13	58,46	3,656E-13	-3,6067
75	75	120	STERR	2,537E-13	6,842E-14	43,238	2,274E-13	2,759
75	75	121	STERR	2,362E-13	-2,011E-13	31,187	3,791E-13	1,8516
75	75	100	SSOVRdx	-0,44	-0,98	3,9	0,85	1,1961
75	75	120	SSOVRdx	0,12	-0,88	6,192	0,95	5,5928
75	75	121	SSOVRdx	0,26	-0,8	19,078	0,96	4,9577
75	75	100	SSOVRsx	0,98	0,44	-86,1	0,85	0,0735
75	75	120	SSOVRsx	0,88	-0,12	-83,808	0,95	-0,8465
75	75	121	SSOVRsx	0,8	-0,26	-70,922	0,96	-0,7255
75	75	100	SW2	58,95	-20,29	-31,218	71,29	38,8108
75	75	120	SW2	-6,07	-63,67	-64,091	60,87	-7,961
75	75	121	SW2	49,97	-82,27	-58,631	115,66	-12,3246
76	76	110	DEAD	2,92	-26,58	30,37	28,16	-3,0855
76	76	131	DEAD	-2,99	-30,86	37,06	29,48	0,6329
76	76	132	DEAD	-5,59	-26,65	35,93	24,34	0,9798
76	76	110	STERR	1,723E-13	-2,151E-13	-31,544	3,362E-13	3,6067
76	76	131	STERR	-6,549E-14	-2,308E-13	-43,889	2,06E-13	-2,759
76	76	132	STERR	1,754E-13	-2,012E-13	-58,749	3,264E-13	-1,8516
76	76	110	SSOVRdx	0,98	0,44	-86,1	0,85	-0,0735
76	76	131	SSOVRdx	0,88	-0,12	-83,808	0,95	0,8465
76	76	132	SSOVRdx	0,8	-0,26	-70,922	0,96	0,7255
76	76	110	SSOVRsx	-0,44	-0,98	3,9	0,85	-1,1961
76	76	131	SSOVRsx	0,12	-0,88	6,192	0,95	-5,5928
76	76	132	SSOVRsx	0,26	-0,8	19,078	0,96	-4,9577
76	76	110	SW2	58,95	-20,29	-31,218	71,29	-38,8108
76	76	131	SW2	-6,07	-63,67	-64,091	60,87	7,961
76	76	132	SW2	49,97	-82,27	-58,631	115,66	12,3246
77	77	73	DEAD	61,74	-82,15	47,713	125,04	-14,2454
77	77	91	DEAD	94,07	-50,37	39,182	126,99	-14,5153
77	77	92	DEAD	146,68	-111,5	41,124	224,28	-3,9187
77	77	74	DEAD	114,39	-143,33	45,88	223,66	-6,5088
77	77	73	STERR	4,791E-13	-3,51E-13	-42,048	7,217E-13	146,2191
77	77	91	STERR	8,665E-14	-7,653E-13	-61,038	8,121E-13	106,1281
77	77	92	STERR	4,614E-13	-1,043E-12	-55,053	1,335E-12	43,195
77	77	74	STERR	8,709E-13	-6,457E-13	-44,61	1,318E-12	59,1226
77	77	73	SSOVRdx	2,9	0,44	-12,575	2,71	135,2379
77	77	91	SSOVRdx	6,11	1,03	-10,315	5,67	135,604

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
77	77	92	SSOVRdx	6,41	1,26	-15,667	5,89	76,7861
77	77	74	SSOVRdx	3,28	0,59	-22,976	3,03	77,27
77	77	73	SSOVRsx	-0,44	-2,9	77,425	2,71	-54,4521
77	77	91	SSOVRsx	-1,03	-6,11	79,685	5,67	-71,4409
77	77	92	SSOVRsx	-1,26	-6,41	74,333	5,89	-51,7384
77	77	74	SSOVRsx	-0,59	-3,28	67,024	3,03	-43,6743
77	77	73	SW2	121,28	-186,57	49,064	268,6	-179,1837
77	77	91	SW2	206,79	-127,25	40,433	292,01	-182,5775
77	77	92	SW2	289,87	-309,89	39,258	519,5	-49,2907
77	77	74	SW2	199,16	-364,01	43,837	494,64	-81,8694
78	78	74	DEAD	88,83	-117,22	46,05	179,01	-6,5616
78	78	92	DEAD	122,66	-85,27	39,973	181,04	-3,9078
78	78	93	DEAD	103,15	-82,2	37,615	160,86	-0,7992
78	78	75	DEAD	67,81	-112,62	44,459	157,86	-3,4813
78	78	74	STERR	7,723E-13	-5,44E-13	-44,504	1,146E-12	59,423
78	78	92	STERR	4,368E-13	-1,029E-12	-55,477	1,304E-12	43,4607
78	78	93	STERR	5,098E-13	-9,336E-13	-58,083	1,268E-12	19,18
78	78	75	STERR	8,213E-13	-4,245E-13	-47,059	1,097E-12	25,4564
78	78	74	SSOVRdx	2,74	0,63	-21,682	2,49	77,3811
78	78	92	SSOVRdx	5,82	1,42	-10,408	5,26	76,9716
78	78	93	SSOVRdx	5,75	1,32	-8,526	5,21	51,6081
78	78	75	SSOVRdx	2,62	0,59	-17,819	2,38	52,1367
78	78	74	SSOVRsx	-0,63	-2,74	68,318	2,49	-43,5919
78	78	92	SSOVRsx	-1,42	-5,82	79,592	5,26	-51,7156
78	78	93	SSOVRsx	-1,32	-5,75	81,474	5,21	-40,1782
78	78	75	SSOVRsx	-0,59	-2,62	72,181	2,38	-36,0299
78	78	74	SW2	175	-305,55	42,27	421,26	-82,5333
78	78	92	SW2	277,57	-244,4	36,37	452,34	-49,153
78	78	93	SW2	224,16	-274,19	32,518	432,31	-10,0531
78	78	75	SW2	114,83	-328,58	38,404	398,6	-43,7883
79	79	75	DEAD	68,09	-109,79	44,116	155,46	-3,4643
79	79	93	DEAD	103,01	-79,8	37,266	158,74	-0,904
79	79	94	DEAD	99,16	-86,4	36,264	160,83	0,1778
79	79	76	DEAD	63,45	-115,59	43,007	157,23	-2,3122
79	79	75	STERR	8,629E-13	-4,791E-13	-47,097	1,178E-12	25,5205
79	79	93	STERR	4,717E-13	-9,199E-13	-58,988	1,226E-12	19,1557
79	79	94	STERR	6,536E-13	-9,27E-13	-59,564	1,376E-12	8,5153
79	79	76	STERR	1,032E-12	-4,734E-13	-49,099	1,333E-12	10,767
79	79	75	SSOVRdx	2,37	0,6	-16,185	2,13	52,2948
79	79	93	SSOVRdx	5,5	1,17	-11,782	5,01	51,3326
79	79	94	SSOVRdx	5,36	0,88	-9,258	4,98	40,6323
79	79	76	SSOVRdx	2,22	0,32	-9,921	2,07	39,9402
79	79	75	SSOVRsx	-0,6	-2,37	73,815	2,13	-36,1478
79	79	93	SSOVRsx	-1,17	-5,5	78,218	5,01	-39,9175
79	79	94	SSOVRsx	-0,88	-5,36	80,742	4,98	-34,8707
79	79	76	SSOVRsx	-0,32	-2,22	80,079	2,07	-31,261
79	79	75	SW2	120,94	-316,61	37,5	391,36	-43,5756
79	79	93	SW2	244,2	-255,09	30,868	432,43	-11,3702
79	79	94	SW2	235,39	-285,02	29,87	451,37	2,2366
79	79	76	SW2	109,89	-344,3	36,085	410,43	-29,0834
80	80	76	DEAD	62,45	-113,75	42,885	154,73	-2,31
80	80	94	DEAD	93,04	-82,01	35,92	151,69	0,1627
80	80	95	DEAD	83,14	-83,92	34,029	144,68	0,388
80	80	77	DEAD	51,28	-114,39	41,381	146,91	-1,4766
80	80	76	STERR	9,962E-13	-4,819E-13	-49,756	1,306E-12	10,8081
80	80	94	STERR	6,75E-13	-8,862E-13	-58,896	1,356E-12	8,4363
80	80	95	STERR	7,474E-13	-8,097E-13	-61,045	1,349E-12	0,5397
80	80	77	STERR	1,05E-12	-3,872E-13	-51,913	1,288E-12	-0,0563
80	80	76	SSOVRdx	2,04	0,21	-14,904	1,94	40,5249
80	80	94	SSOVRdx	5,19	0,87	-8,572	4,81	39,0246
80	80	95	SSOVRdx	5,22	0,78	-10,066	4,88	30,5396
80	80	77	SSOVRdx	2,1	0,09015	-17,768	2,05	30,5613
80	80	76	SSOVRsx	-0,21	-2,04	75,096	1,94	-31,8152
80	80	94	SSOVRsx	-0,87	-5,19	81,428	4,81	-33,33
80	80	95	SSOVRsx	-0,78	-5,22	79,934	4,88	-28,7736
80	80	77	SSOVRsx	-0,09015	-2,1	72,232	2,05	-27,1788
80	80	76	SW2	118,36	-342,01	35,739	414,08	-29,0561
80	80	94	SW2	213,73	-263,32	28,323	413,87	2,046
80	80	95	SW2	191,59	-283,15	26,155	413,68	4,8802
80	80	77	SW2	91,65	-357,27	33,583	410,83	-18,5735

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
81	81	77	DEAD	44,49	-109,95	41,409	137,69	-1,5447
81	81	95	DEAD	72,93	-82,44	34,316	134,64	0,4447
81	81	96	DEAD	61,38	-90,64	31,339	132,46	-0,1131
81	81	78	DEAD	31	-116,21	38,628	134,42	-0,5034
81	81	77	STERR	1,087E-12	-3,715E-13	-51,11	1,313E-12	0,1545
81	81	95	STERR	7,543E-13	-8,126E-13	-60,874	1,357E-12	0,5294
81	81	96	STERR	1,075E-12	-7,055E-13	-64,276	1,553E-12	-8,0789
81	81	78	STERR	1,371E-12	-2,282E-13	-55,897	1,499E-12	-13,8165
81	81	77	SSOVRdx	1,33	-0,05488	-21,128	1,36	30,7642
81	81	95	SSOVRdx	4,38	0,49	-14,274	4,16	30,2652
81	81	96	SSOVRdx	4,17	0,2	-9,488	4,07	13,5512
81	81	78	SSOVRdx	1,09	-0,32	-7,438	1,28	15,4903
81	81	77	SSOVRsx	0,05488	-1,33	68,872	1,36	-27,2742
81	81	95	SSOVRsx	-0,49	-4,38	75,726	4,16	-28,5234
81	81	96	SSOVRsx	-0,2	-4,17	80,512	4,07	-14,589
81	81	78	SSOVRsx	0,32	-1,09	82,562	1,28	-18,2422
81	81	77	SW2	81,07	-341,64	32,579	388,57	-19,4297
81	81	95	SW2	161,46	-285,26	26,506	391,78	5,5941
81	81	96	SW2	140,26	-301,56	24,164	391,04	-1,4226
81	81	78	SW2	56,12	-354,18	30,207	385,32	-6,3315
82	82	78	DEAD	19,67	-114,42	39,384	125,42	-0,5074
82	82	96	DEAD	47,43	-89,98	31,841	120,88	-0,1292
82	82	97	DEAD	39,77	-93,1	29,582	118,12	1,1413
82	82	79	DEAD	10,68	-116,21	37,391	121,9	0,1368
82	82	78	STERR	1,388E-12	-2,372E-13	-55,626	1,52E-12	-13,6701
82	82	96	STERR	1,114E-12	-7,055E-13	-63,281	1,589E-12	-7,8238
82	82	97	STERR	1,315E-12	-5,506E-13	-67,543	1,66E-12	-4,7007
82	82	79	STERR	1,553E-12	-4,675E-14	-60,545	1,577E-12	-16,2061
82	82	78	SSOVRdx	0,14	-0,53	14,474	0,61	15,4654
82	82	96	SSOVRdx	2,61	-0,05162	-8,304	2,63	13,7615
82	82	97	SSOVRdx	2,47	-0,75	-7,982	2,92	7,1714
82	82	79	SSOVRdx	-0,03311	-1,19	4,887	1,17	8,7221
82	82	78	SSOVRsx	0,53	-0,14	-75,526	0,61	-18,125
82	82	96	SSOVRsx	0,05162	-2,61	81,696	2,63	-14,6041
82	82	97	SSOVRsx	0,75	-2,47	82,018	2,92	-4,0076
82	82	79	SSOVRsx	1,19	0,03311	-85,113	1,17	-12,0777
82	82	78	SW2	32,35	-349,39	30,082	366,64	-6,3823
82	82	96	SW2	126,35	-306,56	24,751	385,59	-1,6256
82	82	97	SW2	116,86	-304,06	23,618	376,36	14,3551
82	82	79	SW2	21,4	-345,42	28,982	356,6	1,7202
83	83	79	DEAD	2,06	-119,03	38,877	120,08	0,2186
83	83	97	DEAD	32,1	-94,41	30,296	113,91	1,0978
83	83	98	DEAD	32,19	-89,2	30,571	108,92	1,5743
83	83	80	DEAD	2,45	-114,12	39,523	115,36	0,4209
83	83	79	STERR	1,548E-12	1,282E-13	-60,06	1,488E-12	-16,6239
83	83	97	STERR	1,291E-12	-6,315E-13	-68,151	1,698E-12	-4,9252
83	83	98	STERR	1,218E-12	-7,061E-13	-66,083	1,685E-12	-3,2473
83	83	80	STERR	1,494E-12	3,367E-14	-57,421	1,478E-12	-16,3922
83	83	79	SSOVRdx	-0,91	-1,57	31,488	1,36	8,5856
83	83	97	SSOVRdx	1,43	-0,88	0,139	2,02	6,7226
83	83	98	SSOVRdx	1,65	-1,13	16,412	2,42	7,4438
83	83	80	SSOVRdx	-0,2	-2,31	40,613	2,22	6,4629
83	83	79	SSOVRsx	1,57	0,91	-58,512	1,36	-12,1524
83	83	97	SSOVRsx	0,88	-1,43	-89,861	2,02	-3,7248
83	83	98	SSOVRsx	1,13	-1,65	-73,588	2,42	-3,1412
83	83	80	SSOVRsx	2,31	0,2	-49,387	2,22	-9,8926
83	83	79	SW2	-3,65	-345,41	29,316	343,59	2,7499
83	83	97	SW2	113,5	-299,3	23,001	369,37	13,8081
83	83	98	SW2	115,5	-258,85	23,169	332,02	19,8026
83	83	80	SW2	-0,87	-305,75	30,307	305,32	5,2936
84	84	80	DEAD	-8,07	-125,23	43,108	121,39	0,412
84	84	98	DEAD	27,2	-87,82	30,381	104,12	1,604
84	84	99	DEAD	29,48	-72,19	32,103	90,6	1,635
84	84	81	DEAD	-3,61	-111,78	46,115	110,01	0,5542
84	84	80	STERR	1,729E-12	1,398E-13	-52,036	1,664E-12	-16,2868
84	84	98	STERR	1,117E-12	-5,567E-13	-69,405	1,476E-12	-3,525
84	84	99	STERR	7,317E-13	-5,712E-13	-69,827	1,131E-12	-2,2504
84	84	81	STERR	1,379E-12	9,039E-14	-47,677	1,336E-12	-16,1412
84	84	80	SSOVRdx	-0,43	-3,37	50,272	3,18	7,3914
84	84	98	SSOVRdx	1,51	-1,14	16,085	2,3	5,2608

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
84	84	99	SSOVRdx	1,35	-1,21	10,626	2,22	6,0794
84	84	81	SSOVRdx	-0,79	-3,23	49,597	2,92	6,3285
84	84	80	SSOVRsx	3,37	0,43	-39,728	3,18	-10,7616
84	84	98	SSOVRsx	1,14	-1,51	-73,915	2,3	-1,1755
84	84	99	SSOVRsx	1,21	-1,35	-79,374	2,22	-1,37
84	84	81	SSOVRsx	3,23	0,79	-40,403	2,92	-9,6944
84	84	80	SW2	-40,5	-335,11	34,704	316,8	5,182
84	84	98	SW2	99,62	-243	20,518	305,26	20,1756
84	84	99	SW2	119,73	-152,12	23,636	235,98	20,5653
84	84	81	SW2	-6,17	-258,45	41,628	255,42	6,9712
85	85	82	DEAD	61,74	-82,15	47,713	125,04	14,2454
85	85	101	DEAD	94,07	-50,37	39,182	126,99	14,5153
85	85	102	DEAD	146,68	-111,5	41,124	224,28	3,9187
85	85	83	DEAD	114,39	-143,33	45,88	223,66	6,5088
85	85	82	STERR	3,317E-13	-4,208E-13	47,264	6,532E-13	-146,2191
85	85	101	STERR	7,298E-13	-5,917E-14	27,741	7,611E-13	-106,1281
85	85	102	STERR	9,759E-13	-3,978E-13	34,131	1,224E-12	-43,195
85	85	83	STERR	5,972E-13	-7,789E-13	44,952	1,195E-12	-59,1226
85	85	82	SSOVRdx	-0,44	-2,9	77,425	2,71	54,4521
85	85	101	SSOVRdx	-1,03	-6,11	79,685	5,67	71,4409
85	85	102	SSOVRdx	-1,26	-6,41	74,333	5,89	51,7384
85	85	83	SSOVRdx	-0,59	-3,28	67,024	3,03	43,6743
85	85	82	SSOVRsx	2,9	0,44	-12,575	2,71	-135,2379
85	85	101	SSOVRsx	6,11	1,03	-10,315	5,67	-135,604
85	85	102	SSOVRsx	6,41	1,26	-15,667	5,89	-76,7861
85	85	83	SSOVRsx	3,28	0,59	-22,976	3,03	-77,27
85	85	82	SW2	121,28	-186,57	49,064	268,6	179,1837
85	85	101	SW2	206,79	-127,25	40,433	292,01	182,5775
85	85	102	SW2	289,87	-309,89	39,258	519,5	49,2907
85	85	83	SW2	199,16	-364,01	43,837	494,64	81,8694
86	86	83	DEAD	88,83	-117,22	46,05	179,01	6,5616
86	86	102	DEAD	122,66	-85,27	39,973	181,04	3,9078
86	86	103	DEAD	103,15	-82,2	37,615	160,86	0,7992
86	86	84	DEAD	67,81	-112,62	44,459	157,86	3,4813
86	86	83	STERR	5,023E-13	-6,877E-13	45,004	1,035E-12	-59,423
86	86	102	STERR	9,67E-13	-3,791E-13	33,744	1,202E-12	-43,4607
86	86	103	STERR	8,802E-13	-4,457E-13	31,118	1,169E-12	-19,18
86	86	84	STERR	3,928E-13	-7,317E-13	42,395	9,885E-13	-25,4564
86	86	83	SSOVRdx	-0,63	-2,74	68,318	2,49	43,5919
86	86	102	SSOVRdx	-1,42	-5,82	79,592	5,26	51,7156
86	86	103	SSOVRdx	-1,32	-5,75	81,474	5,21	40,1782
86	86	84	SSOVRdx	-0,59	-2,62	72,181	2,38	36,0299
86	86	83	SSOVRsx	2,74	0,63	-21,682	2,49	-77,3811
86	86	102	SSOVRsx	5,82	1,42	-10,408	5,26	-76,9716
86	86	103	SSOVRsx	5,75	1,32	-8,526	5,21	-51,6081
86	86	84	SSOVRsx	2,62	0,59	-17,819	2,38	-52,1367
86	86	83	SW2	175	-305,55	42,27	421,26	82,5333
86	86	102	SW2	277,57	-244,4	36,37	452,34	49,153
86	86	103	SW2	224,16	-274,19	32,518	432,31	10,0531
86	86	84	SW2	114,83	-328,58	38,404	398,6	43,7883
87	87	84	DEAD	68,09	-109,79	44,116	155,46	3,4643
87	87	103	DEAD	103,01	-79,8	37,266	158,74	0,904
87	87	104	DEAD	99,16	-86,4	36,264	160,83	-0,1778
87	87	85	DEAD	63,45	-115,59	43,007	157,23	2,3122
87	87	84	STERR	4,433E-13	-7,725E-13	42,438	1,066E-12	-25,5205
87	87	103	STERR	8,65E-13	-4,07E-13	30,068	1,125E-12	-19,1557
87	87	104	STERR	8,727E-13	-5,794E-13	29,608	1,266E-12	-8,5153
87	87	85	STERR	4,394E-13	-9,333E-13	40,424	1,214E-12	-10,767
87	87	84	SSOVRdx	-0,6	-2,37	73,815	2,13	36,1478
87	87	103	SSOVRdx	-1,17	-5,5	78,218	5,01	39,9175
87	87	104	SSOVRdx	-0,88	-5,36	80,742	4,98	34,8707
87	87	85	SSOVRdx	-0,32	-2,22	80,079	2,07	31,261
87	87	84	SSOVRsx	2,37	0,6	-16,185	2,13	-52,2948
87	87	103	SSOVRsx	5,5	1,17	-11,782	5,01	-51,3326
87	87	104	SSOVRsx	5,36	0,88	-9,258	4,98	-40,6323
87	87	85	SSOVRsx	2,22	0,32	-9,921	2,07	-39,9402
87	87	84	SW2	120,94	-316,61	37,5	391,36	43,5756
87	87	103	SW2	244,2	-255,09	30,868	432,43	11,3702
87	87	104	SW2	235,39	-285,02	29,87	451,37	-2,2366
87	87	85	SW2	109,89	-344,3	36,085	410,43	29,0834

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
88	88	85	DEAD	62,45	-113,75	42,885	154,73	2,31
88	88	104	DEAD	93,04	-82,01	35,92	151,69	-0,1627
88	88	105	DEAD	83,14	-83,92	34,029	144,68	-0,388
88	88	86	DEAD	51,28	-114,39	41,381	146,91	1,4766
88	88	85	STERR	4,442E-13	-8,981E-13	39,741	1,184E-12	-10,8081
88	88	104	STERR	8,342E-13	-6,001E-13	30,31	1,248E-12	-8,4363
88	88	105	STERR	7,628E-13	-6,608E-13	28,104	1,234E-12	-0,5397
88	88	86	STERR	3,553E-13	-9,413E-13	37,555	1,161E-12	0,0563
88	88	85	SSOVRdx	-0,21	-2,04	75,096	1,94	31,8152
88	88	104	SSOVRdx	-0,87	-5,19	81,428	4,81	33,33
88	88	105	SSOVRdx	-0,78	-5,22	79,934	4,88	28,7736
88	88	86	SSOVRdx	-0,09015	-2,1	72,232	2,05	27,1788
88	88	85	SSOVRsx	2,04	0,21	-14,904	1,94	-40,5249
88	88	104	SSOVRsx	5,19	0,87	-8,572	4,81	-39,0246
88	88	105	SSOVRsx	5,22	0,78	-10,066	4,88	-30,5396
88	88	86	SSOVRsx	2,1	0,09015	-17,768	2,05	-30,5613
88	88	85	SW2	118,36	-342,01	35,739	414,08	29,0561
88	88	104	SW2	213,73	-263,32	28,323	413,87	-2,046
88	88	105	SW2	191,59	-283,15	26,155	413,68	-4,8802
88	88	86	SW2	91,65	-357,27	33,583	410,83	18,5735
89	89	86	DEAD	44,49	-109,95	41,409	137,69	1,5447
89	89	105	DEAD	72,93	-82,44	34,316	134,64	-0,4447
89	89	106	DEAD	61,38	-90,64	31,339	132,46	0,1131
89	89	87	DEAD	31	-116,21	38,628	134,42	0,5034
89	89	86	STERR	3,353E-13	-9,79E-13	38,521	1,183E-12	-0,1545
89	89	105	STERR	7,542E-13	-6,663E-13	28,289	1,231E-12	-0,5294
89	89	106	STERR	6,648E-13	-9,63E-13	25,149	1,418E-12	8,0789
89	89	87	STERR	2,133E-13	-1,243E-12	33,861	1,362E-12	13,8165
89	89	86	SSOVRdx	0,05488	-1,33	68,872	1,36	27,2742
89	89	105	SSOVRdx	-0,49	-4,38	75,726	4,16	28,5234
89	89	106	SSOVRdx	-0,2	-4,17	80,512	4,07	14,589
89	89	87	SSOVRdx	0,32	-1,09	82,562	1,28	18,2422
89	89	86	SSOVRsx	1,33	-0,05488	-21,128	1,36	-30,7642
89	89	105	SSOVRsx	4,38	0,49	-14,274	4,16	-30,2652
89	89	106	SSOVRsx	4,17	0,2	-9,488	4,07	-13,5512
89	89	87	SSOVRsx	1,09	-0,32	-7,438	1,28	-15,4903
89	89	86	SW2	81,07	-341,64	32,579	388,57	19,4297
89	89	105	SW2	161,46	-285,26	26,506	391,78	-5,5941
89	89	106	SW2	140,26	-301,56	24,164	391,04	1,4226
89	89	87	SW2	56,12	-354,18	30,207	385,32	6,3315
90	90	87	DEAD	19,67	-114,42	39,384	125,42	0,5074
90	90	106	DEAD	47,43	-89,98	31,841	120,88	0,1292
90	90	107	DEAD	39,77	-93,1	29,582	118,12	-1,1413
90	90	88	DEAD	10,68	-116,21	37,391	121,9	-0,1368
90	90	87	STERR	2,216E-13	-1,266E-12	34,316	1,39E-12	13,6701
90	90	106	STERR	6,528E-13	-1,005E-12	26,378	1,447E-12	7,8238
90	90	107	STERR	5,153E-13	-1,177E-12	22,186	1,503E-12	4,7007
90	90	88	STERR	5,108E-14	-1,405E-12	29,538	1,431E-12	16,2061
90	90	87	SSOVRdx	0,53	-0,14	-75,526	0,61	18,125
90	90	106	SSOVRdx	0,05162	-2,61	81,696	2,63	14,6041
90	90	107	SSOVRdx	0,75	-2,47	82,018	2,92	4,0076
90	90	88	SSOVRdx	1,19	0,03311	-85,113	1,17	12,0777
90	90	87	SSOVRsx	0,14	-0,53	14,474	0,61	-15,4654
90	90	106	SSOVRsx	2,61	-0,05162	-8,304	2,63	-13,7615
90	90	107	SSOVRsx	2,47	-0,75	-7,982	2,92	-7,1714
90	90	88	SSOVRsx	-0,03311	-1,19	4,887	1,17	-8,7221
90	90	87	SW2	32,35	-349,39	30,082	366,64	6,3823
90	90	106	SW2	126,35	-306,56	24,751	385,59	1,6256
90	90	107	SW2	116,86	-304,06	23,618	376,36	-14,3551
90	90	88	SW2	21,4	-345,42	28,982	356,6	-1,7202
91	91	88	DEAD	2,06	-119,03	38,877	120,08	-0,2186
91	91	107	DEAD	32,1	-94,41	30,296	113,91	-1,0978
91	91	108	DEAD	32,19	-89,2	30,571	108,92	-1,5743
91	91	89	DEAD	2,45	-114,12	39,523	115,36	-0,4209
91	91	88	STERR	-1,282E-13	-1,399E-12	30,057	1,339E-12	16,6239
91	91	107	STERR	5,877E-13	-1,161E-12	21,755	1,542E-12	4,9252
91	91	108	STERR	6,561E-13	-1,102E-12	23,848	1,538E-12	3,2473
91	91	89	STERR	-4,1E-14	-1,358E-12	32,712	1,338E-12	16,3922
91	91	88	SSOVRdx	1,57	0,91	-58,512	1,36	12,1524
91	91	107	SSOVRdx	0,88	-1,43	-89,861	2,02	3,7248

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
91	91	108	SSOVRdx	1,13	-1,65	-73,588	2,42	3,1412
91	91	89	SSOVRdx	2,31	0,2	-49,387	2,22	9,8926
91	91	88	SSOVRsx	-0,91	-1,57	31,488	1,36	-8,5856
91	91	107	SSOVRsx	1,43	-0,88	0,139	2,02	-6,7226
91	91	108	SSOVRsx	1,65	-1,13	16,412	2,42	-7,4438
91	91	89	SSOVRsx	-0,2	-2,31	40,613	2,22	-6,4629
91	91	88	SW2	-3,65	-345,41	29,316	343,59	-2,7499
91	91	107	SW2	113,5	-299,3	23,001	369,37	-13,8081
91	91	108	SW2	115,5	-258,85	23,169	332,02	-19,8026
91	91	89	SW2	-0,87	-305,75	30,307	305,32	-5,2936
92	92	89	DEAD	-8,07	-125,23	43,108	121,39	-0,412
92	92	108	DEAD	27,2	-87,82	30,381	104,12	-1,604
92	92	109	DEAD	29,48	-72,19	32,103	90,6	-1,635
92	92	90	DEAD	-3,61	-111,78	46,115	110,01	-0,5542
92	92	89	STERR	-1,263E-13	-1,584E-12	38,263	1,525E-12	16,2868
92	92	108	STERR	5,088E-13	-1,011E-12	20,533	1,339E-12	3,525
92	92	109	STERR	5,182E-13	-6,671E-13	19,912	1,029E-12	2,2504
92	92	90	STERR	-8,719E-14	-1,27E-12	42,468	1,229E-12	16,1412
92	92	89	SSOVRdx	3,37	0,43	-39,728	3,18	10,7616
92	92	108	SSOVRdx	1,14	-1,51	-73,915	2,3	1,1755
92	92	109	SSOVRdx	1,21	-1,35	-79,374	2,22	1,37
92	92	90	SSOVRdx	3,23	0,79	-40,403	2,92	9,6944
92	92	89	SSOVRsx	-0,43	-3,37	50,272	3,18	-7,3914
92	92	108	SSOVRsx	1,51	-1,14	16,085	2,3	-5,2608
92	92	109	SSOVRsx	1,35	-1,21	10,626	2,22	-6,0794
92	92	90	SSOVRsx	-0,79	-3,23	49,597	2,92	-6,3285
92	92	89	SW2	-40,5	-335,11	34,704	316,8	-5,182
92	92	108	SW2	99,62	-243	20,518	305,26	-20,1756
92	92	109	SW2	119,73	-152,12	23,636	235,98	-20,5653
92	92	90	SW2	-6,17	-258,45	41,628	255,42	-6,9712
93	93	91	DEAD	94,07	-50,37	39,182	126,99	-14,5153
93	93	111	DEAD	150,01	-15,71	28,649	158,46	-8,0746
93	93	112	DEAD	196,06	-73,43	34,416	241,3	-1,3933
93	93	92	DEAD	144,02	-111,98	40,855	222,28	-3,9324
93	93	91	STERR	8,665E-14	-7,653E-13	-61,038	8,121E-13	106,1281
93	93	111	STERR	-1,705E-13	-1,64E-12	-72,607	1,562E-12	54,8089
93	93	112	STERR	1,662E-13	-1,801E-12	-66,161	1,89E-12	24,6823
93	93	92	STERR	4,757E-13	-9,783E-13	-56,534	1,284E-12	43,2192
93	93	91	SSOVRdx	6,11	1,03	-10,315	5,67	135,604
93	93	111	SSOVRdx	10,7	2,04	-5,617	9,84	132,413
93	93	112	SSOVRdx	10,89	1,57	-10,637	10,2	72,071
93	93	92	SSOVRdx	6,45	0,4	-17,581	6,26	76,7981
93	93	91	SSOVRsx	-1,03	-6,11	79,685	5,67	-71,4409
93	93	111	SSOVRsx	-2,04	-10,7	84,383	9,84	-93,4332
93	93	112	SSOVRsx	-1,57	-10,89	79,363	10,2	-57,4705
93	93	92	SSOVRsx	-0,4	-6,45	72,419	6,26	-51,7411
93	93	91	SW2	206,79	-127,25	40,433	292,01	-182,5775
93	93	111	SW2	344,95	-64,3	31,397	381,19	-101,5648
93	93	112	SW2	436,52	-270,71	34,055	618,07	-17,5249
93	93	92	SW2	300,06	-335,37	39,116	550,58	-49,463
94	94	92	DEAD	120,05	-85,8	39,626	179,09	-3,9215
94	94	112	DEAD	175,59	-51,53	32,182	206,24	-2,1189
94	94	113	DEAD	154,45	-59,65	28,313	191,38	3,0555
94	94	93	DEAD	95,26	-90,28	35,908	160,7	-0,8241
94	94	92	STERR	4,517E-13	-9,65E-13	-57,013	1,253E-12	43,485
94	94	112	STERR	5,05E-14	-1,754E-12	-69,704	1,78E-12	24,8587
94	94	113	STERR	3,608E-13	-1,678E-12	-71,501	1,884E-12	14,8662
94	94	93	STERR	7,288E-13	-8,554E-13	-60,895	1,373E-12	19,1992
94	94	92	SSOVRdx	5,82	0,6	-13,478	5,55	76,9836
94	94	112	SSOVRdx	10,2	1,34	-12,199	9,6	71,7674
94	94	113	SSOVRdx	10,04	1,23	-10,314	9,48	48,9177
94	94	93	SSOVRdx	5,66	0,5	-10,279	5,43	51,5779
94	94	92	SSOVRsx	-0,6	-5,82	76,522	5,55	-51,7184
94	94	112	SSOVRsx	-1,34	-10,2	77,801	9,6	-57,017
94	94	113	SSOVRsx	-1,23	-10,04	79,686	9,48	-40,4871
94	94	93	SSOVRsx	-0,5	-5,66	79,721	5,43	-40,1325
94	94	92	SW2	287,83	-269,95	36,393	483,13	-49,3253
94	94	112	SW2	465,29	-205,91	30,468	595,57	-26,6523
94	94	113	SW2	391,01	-329,97	25,266	625,14	38,4325
94	94	93	SW2	201,78	-382,24	29,7	513,77	-10,3655

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
95	95	93	DEAD	95,19	-87,95	35,537	158,64	-0,9288
95	95	113	DEAD	145,46	-54,63	27,436	179,13	3,5562
95	95	114	DEAD	137,81	-60,98	25,618	176,39	4,3879
95	95	94	DEAD	85,8	-92,57	33,668	154,51	0,2093
95	95	93	STERR	6,93E-13	-8,441E-13	-61,806	1,333E-12	19,175
95	95	113	STERR	3,937E-13	-1,652E-12	-70,481	1,88E-12	15,0116
95	95	114	STERR	4,157E-13	-1,549E-12	-74,17	1,794E-12	8,8709
95	95	94	STERR	6,796E-13	-7,057E-13	-66,203	1,2E-12	8,5305
95	95	93	SSOVRdx	5,42	0,33	-13,082	5,26	51,3024
95	95	113	SSOVRdx	9,39	1,27	-7,681	8,82	50,1053
95	95	114	SSOVRdx	9,46	0,88	-10,288	9,06	37,505
95	95	94	SSOVRdx	5,57	-0,13	-16,538	5,64	40,638
95	95	93	SSOVRsx	-0,33	-5,42	76,918	5,26	-39,8718
95	95	113	SSOVRsx	-1,27	-9,39	82,319	8,82	-41,565
95	95	114	SSOVRsx	-0,88	-9,46	79,712	9,06	-32,4497
95	95	94	SSOVRsx	0,13	-5,57	73,462	5,64	-34,861
95	95	93	SW2	223,16	-364,48	28,306	513,8	-11,6827
95	95	113	SW2	385,34	-280,77	21,491	579,24	44,7313
95	95	114	SW2	345,65	-308,94	17,778	567,2	55,193
95	95	94	SW2	173,76	-382,94	24,268	493,33	2,6326
96	96	94	DEAD	79,8	-88,3	33,149	145,64	0,1941
96	96	114	DEAD	127,23	-61,25	25,77	166,53	4,4375
96	96	115	DEAD	118,8	-57,29	23,473	155,56	3,4488
96	96	95	DEAD	69,68	-82,65	31,203	132,07	0,367
96	96	94	STERR	6,971E-13	-6,61E-13	-65,551	1,176E-12	8,4515
96	96	114	STERR	3,963E-13	-1,444E-12	-75,687	1,678E-12	9,1494
96	96	115	STERR	4,94E-13	-1,47E-12	-73,956	1,769E-12	3,3762
96	96	95	STERR	8,106E-13	-7,023E-13	-64,23	1,311E-12	0,547
96	96	94	SSOVRdx	5,39	-0,13	-16,231	5,46	39,0303
96	96	114	SSOVRdx	8,68	0,65	-11,686	8,37	43,5752
96	96	115	SSOVRdx	8,47	0,17	-9,716	8,39	32,5974
96	96	95	SSOVRdx	5,14	-0,56	-13,199	5,45	30,5906
96	96	94	SSOVRsx	0,13	-5,39	73,769	5,46	-33,3203
96	96	114	SSOVRsx	-0,65	-8,68	78,314	8,37	-38,2792
96	96	115	SSOVRsx	-0,17	-8,47	80,284	8,39	-30,561
96	96	95	SSOVRsx	0,56	-5,14	76,801	5,45	-28,8137
96	96	94	SW2	155,22	-364,36	22,403	461,96	2,442
96	96	114	SW2	319,21	-311,76	17,8	546,45	55,8167
96	96	115	SW2	302,19	-282,21	15,138	506,21	43,38
96	96	95	SW2	134,04	-330,66	19,583	414,28	4,6161
97	97	95	DEAD	59,41	-81,11	31,285	122,18	0,4237
97	97	115	DEAD	88,76	-59,05	23,974	128,87	2,8175
97	97	116	DEAD	85,8	-57,36	22,889	124,79	-2,8666
97	97	96	DEAD	55,83	-78,79	30,424	117,15	-0,1107
97	97	95	STERR	8,17E-13	-7,046E-13	-64,035	1,319E-12	0,5367
97	97	115	STERR	6,127E-13	-1,034E-12	-70,899	1,441E-12	3,2716
97	97	116	STERR	7,347E-13	-9,89E-13	-72,302	1,498E-12	-2,0065
97	97	96	STERR	9,284E-13	-6,492E-13	-65,848	1,373E-12	-8,1378
97	97	95	SSOVRdx	4,33	-0,88	-16,669	4,84	30,3162
97	97	115	SSOVRdx	8,17	-0,2	-14,076	8,27	33,9944
97	97	116	SSOVRdx	8,41	0,006693	-16,33	8,41	13,2503
97	97	96	SSOVRdx	4,62	-0,72	-20,206	5,01	13,5321
97	97	95	SSOVRsx	0,88	-4,33	73,331	4,84	-28,5634
97	97	115	SSOVRsx	0,2	-8,17	75,924	8,27	-32,0241
97	97	116	SSOVRsx	-0,006693	-8,41	73,67	8,41	-12,7482
97	97	96	SSOVRsx	0,72	-4,62	69,794	5,01	-14,613
97	97	95	SW2	103,63	-332,5	19,514	394,65	5,3299
97	97	115	SW2	149,36	-293,72	13,45	390,45	35,4395
97	97	116	SW2	178,23	-219,26	17,419	344,85	-36,0574
97	97	96	SW2	139,47	-265	24,07	355,86	-1,3928
98	98	96	DEAD	41,84	-78,09	30,888	105,43	-0,1269
98	98	116	DEAD	63,59	-64,98	25,774	111,35	-2,8141
98	98	117	DEAD	58,38	-72,03	23,746	113,15	2,0885
98	98	97	DEAD	35,83	-84,32	28,658	106,84	1,1284
98	98	96	STERR	9,656E-13	-6,476E-13	-64,691	1,406E-12	-7,8828
98	98	116	STERR	8,677E-13	-1,079E-12	-67,499	1,689E-12	-2,3987
98	98	117	STERR	1,54E-12	-9,631E-13	-69,714	2,187E-12	17,69
98	98	97	STERR	1,631E-12	-5,246E-13	-67,971	1,947E-12	-4,7177
98	98	96	SSOVRdx	3,09	-1	-22,852	3,69	13,7424
98	98	116	SSOVRdx	5,98	-0,74	-21,193	6,38	11,7965

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
98	98	117	SSOVRdx	5,89	0,14	-19,8	5,82	7,6274
98	98	97	SSOVRdx	3	-0,11	-20,8	3,06	7,11
98	98	96	SSOVRsx	1	-3,09	67,148	3,69	-14,6281
98	98	116	SSOVRsx	0,74	-5,98	68,807	6,38	-11,5653
98	98	117	SSOVRsx	-0,14	-5,89	70,2	5,82	10,5348
98	98	97	SSOVRsx	0,11	-3	69,2	3,06	-3,9526
98	98	96	SW2	125,55	-270	24,71	350,08	-1,5958
98	98	116	SW2	160,75	-276,21	25,361	382,8	-35,3965
98	98	117	SW2	136,38	-371,99	22,718	455,75	26,2698
98	98	97	SW2	101,72	-366,32	21,935	426,37	14,1929
99	99	97	DEAD	28,11	-85,58	29,4	102,57	1,0849
99	99	117	DEAD	46,74	-70,66	23,099	102,38	2,6544
99	99	118	DEAD	44,87	-68,39	22,17	98,78	3,717
99	99	98	DEAD	25,87	-82,94	28,699	98,46	1,5871
99	99	97	STERR	1,608E-12	-6,058E-13	-68,487	1,981E-12	-4,9422
99	99	117	STERR	1,403E-12	-8,896E-13	-73,979	2,002E-12	18,4566
99	99	118	STERR	1,413E-12	-7,633E-13	-79,596	1,912E-12	21,9905
99	99	98	STERR	1,576E-12	-4,384E-13	-74,01	1,835E-12	-3,2718
99	99	97	SSOVRdx	1,82	-0,11	-18,564	1,88	6,6612
99	99	117	SSOVRdx	4,08	0,38	-12,003	3,91	9,5951
99	99	118	SSOVRdx	3,97	-0,24	-11,601	4,1	8,2559
99	99	98	SSOVRdx	1,7	-0,72	-16,517	2,15	7,4623
99	99	97	SSOVRsx	0,11	-1,82	71,436	1,88	-3,6698
99	99	117	SSOVRsx	-0,38	-4,08	77,997	3,91	9,1238
99	99	118	SSOVRsx	0,24	-3,97	78,399	4,1	13,4669
99	99	98	SSOVRsx	0,72	-1,7	73,483	2,15	-3,138
99	99	97	SW2	98,62	-361,82	21,354	419,91	13,6459
99	99	117	SW2	158,68	-326,68	17,06	428,64	33,3875
99	99	118	SW2	147,98	-324,03	15,192	418,14	46,7539
99	99	98	SW2	85,65	-356,91	19,522	406,56	19,9629
100	100	98	DEAD	20,91	-81,6	28,369	93,82	1,6167
100	100	118	DEAD	36,42	-71,65	23,687	95,24	3,5948
100	100	119	DEAD	33,43	-64,48	22,012	86,2	3,2096
100	100	99	DEAD	17,48	-73,99	27,128	84,1	1,7471
100	100	98	STERR	1,51E-12	-3,24E-13	-78,05	1,695E-12	-3,5496
100	100	118	STERR	1,474E-12	-7,085E-13	-76,86	1,928E-12	22,9538
100	100	119	STERR	1,296E-12	-7,061E-13	-78,393	1,758E-12	20,4802
100	100	99	STERR	1,334E-12	-3,244E-13	-80,031	1,523E-12	-2,4943
100	100	98	SSOVRdx	1,61	-0,79	-18,158	2,12	5,2793
100	100	118	SSOVRdx	2,72	-0,47	-12,546	2,98	16,367
100	100	119	SSOVRdx	2,57	-0,56	6,491	2,89	13,7828
100	100	99	SSOVRdx	1,38	-0,81	8,403	1,92	5,776
100	100	98	SSOVRsx	0,79	-1,61	71,842	2,12	-1,1723
100	100	118	SSOVRsx	0,47	-2,72	77,454	2,98	6,1579
100	100	119	SSOVRsx	0,56	-2,57	-83,509	2,89	6,6753
100	100	99	SSOVRsx	0,81	-1,38	-81,597	1,92	-1,3308
100	100	98	SW2	71,96	-343,23	17,062	384,29	20,3359
100	100	118	SW2	126,15	-332,38	16,21	410,27	45,2165
100	100	119	SW2	106,47	-281,12	9,604	346,84	40,3715
100	100	99	SW2	51,35	-291,05	9,777	319,83	21,9751
101	101	99	DEAD	-8,28	-81,76	32,492	77,96	1,7652
101	101	119	DEAD	19,39	-62,83	20,455	74,45	2,53
101	101	120	DEAD	28,47	-25,69	27,325	46,92	-0,9319
101	101	100	DEAD	6,55	-50,37	44,867	53,94	0,844
101	101	99	STERR	1,438E-12	1,094E-13	-77,368	1,386E-12	-2,5702
101	101	119	STERR	1,311E-12	-1,432E-13	-89,136	1,388E-12	20,1803
101	101	120	STERR	-3,302E-14	-4,164E-13	84,142	4,01E-13	2,896
101	101	100	STERR	1,956E-13	-2,662E-13	-52,712	4,015E-13	-3,2337
101	101	99	SSOVRdx	0,02413	-1,47	29,999	1,49	5,8979
101	101	119	SSOVRdx	1,46	-0,75	-3,159	1,94	15,5044
101	101	120	SSOVRdx	1,65	-0,69	-15,122	2,09	5,4245
101	101	100	SSOVRdx	-0,26	-0,94	15,792	0,85	6,7355
101	101	99	SSOVRsx	1,47	-0,02413	-60,001	1,49	-1,5277
101	101	119	SSOVRsx	0,75	-1,46	86,841	1,94	4,8977
101	101	120	SSOVRsx	0,69	-1,65	74,878	2,09	-0,9683
101	101	100	SSOVRsx	0,94	0,26	-74,208	0,85	-2,8089
101	101	99	SW2	-31,52	-303,54	8,871	289,07	22,2032
101	101	119	SW2	21,11	-285,5	1,507	296,62	31,8233
101	101	120	SW2	85,34	16,42	12,861	78,43	-11,7222
101	101	100	SW2	64,47	-33,37	40,598	86,14	10,6165

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
102	102	101	DEAD	94,07	-50,37	39,182	126,99	14,5153
102	102	122	DEAD	150,01	-15,71	28,649	158,46	8,0746
102	102	123	DEAD	196,06	-73,43	34,416	241,3	1,3933
102	102	102	DEAD	144,02	-111,98	40,855	222,28	3,9324
102	102	101	STERR	7,298E-13	-5,917E-14	27,741	7,611E-13	-106,1281
102	102	122	STERR	1,561E-12	1,741E-13	16,742	1,482E-12	-54,8089
102	102	123	STERR	1,7E-12	-1,315E-13	23,077	1,769E-12	-24,6823
102	102	102	STERR	9,159E-13	-4,126E-13	32,567	1,178E-12	-43,2192
102	102	101	SSOVRdx	-1,03	-6,11	79,685	5,67	71,4409
102	102	122	SSOVRdx	-2,04	-10,7	84,383	9,84	93,4332
102	102	123	SSOVRdx	-1,57	-10,89	79,363	10,2	57,4705
102	102	102	SSOVRdx	-0,4	-6,45	72,419	6,26	51,7411
102	102	101	SSOVRsx	6,11	1,03	-10,315	5,67	-135,604
102	102	122	SSOVRsx	10,7	2,04	-5,617	9,84	-132,413
102	102	123	SSOVRsx	10,89	1,57	-10,637	10,2	-72,071
102	102	102	SSOVRsx	6,45	0,4	-17,581	6,26	-76,7981
102	102	101	SW2	206,79	-127,25	40,433	292,01	182,5775
102	102	122	SW2	344,95	-64,3	31,397	381,19	101,5648
102	102	123	SW2	436,52	-270,71	34,055	618,07	17,5249
102	102	102	SW2	300,06	-335,37	39,116	550,58	49,463
103	103	102	DEAD	120,05	-85,8	39,626	179,09	3,9215
103	103	123	DEAD	175,59	-51,53	32,182	206,24	2,1189
103	103	124	DEAD	154,45	-59,65	28,313	191,38	-3,0555
103	103	103	DEAD	95,26	-90,28	35,908	160,7	0,8241
103	103	102	STERR	9,075E-13	-3,943E-13	32,134	1,156E-12	-43,485
103	103	123	STERR	1,658E-12	-2,446E-14	19,376	1,671E-12	-24,8587
103	103	124	STERR	1,588E-12	-3,196E-13	17,68	1,77E-12	-14,8662
103	103	103	STERR	8,073E-13	-6,593E-13	28,268	1,272E-12	-19,1992
103	103	102	SSOVRdx	-0,6	-5,82	76,522	5,55	51,7184
103	103	123	SSOVRdx	-1,34	-10,2	77,801	9,6	57,017
103	103	124	SSOVRdx	-1,23	-10,04	79,686	9,48	40,4871
103	103	103	SSOVRdx	-0,5	-5,66	79,721	5,43	40,1325
103	103	102	SSOVRsx	5,82	0,6	-13,478	5,55	-76,9836
103	103	123	SSOVRsx	10,2	1,34	-12,199	9,6	-71,7674
103	103	124	SSOVRsx	10,04	1,23	-10,314	9,48	-48,9177
103	103	103	SSOVRsx	5,66	0,5	-10,279	5,43	-51,5779
103	103	102	SW2	287,83	-269,95	36,393	483,13	49,3253
103	103	123	SW2	465,29	-205,91	30,468	595,57	26,6523
103	103	124	SW2	391,01	-329,97	25,266	625,14	-38,4325
103	103	103	SW2	201,78	-382,24	29,7	513,77	10,3655
104	104	103	DEAD	95,19	-87,95	35,537	158,64	0,9288
104	104	124	DEAD	145,46	-54,63	27,436	179,13	-3,5562
104	104	125	DEAD	137,81	-60,98	25,618	176,39	-4,3879
104	104	104	DEAD	85,8	-92,57	33,668	154,51	-0,2093
104	104	103	STERR	7,946E-13	-6,231E-13	27,221	1,231E-12	-19,175
104	104	124	STERR	1,565E-12	-3,509E-13	18,764	1,767E-12	-15,0116
104	104	125	STERR	1,471E-12	-3,713E-13	14,987	1,688E-12	-8,8709
104	104	104	STERR	6,674E-13	-6,105E-13	22,59	1,107E-12	-8,5305
104	104	103	SSOVRdx	-0,33	-5,42	76,918	5,26	39,8718
104	104	124	SSOVRdx	-1,27	-9,39	82,319	8,82	41,565
104	104	125	SSOVRdx	-0,88	-9,46	79,712	9,06	32,4497
104	104	104	SSOVRdx	0,13	-5,57	73,462	5,64	34,861
104	104	103	SSOVRsx	5,42	0,33	-13,082	5,26	-51,3024
104	104	124	SSOVRsx	9,39	1,27	-7,681	8,82	-50,1053
104	104	125	SSOVRsx	9,46	0,88	-10,288	9,06	-37,505
104	104	104	SSOVRsx	5,57	-0,13	-16,538	5,64	-40,638
104	104	103	SW2	223,16	-364,48	28,306	513,8	11,6827
104	104	124	SW2	385,34	-280,77	21,491	579,24	-44,7313
104	104	125	SW2	345,65	-308,94	17,778	567,2	-55,193
104	104	104	SW2	173,76	-382,94	24,268	493,33	-2,6326
105	105	104	DEAD	79,8	-88,3	33,149	145,64	-0,1941
105	105	125	DEAD	127,23	-61,25	25,77	166,53	-4,4375
105	105	126	DEAD	118,8	-57,29	23,473	155,56	-3,4488
105	105	105	DEAD	69,68	-82,65	31,203	132,07	-0,367
105	105	104	STERR	6,249E-13	-6,273E-13	23,269	1,084E-12	-8,4515
105	105	125	STERR	1,373E-12	-3,535E-13	13,347	1,58E-12	-9,1494
105	105	126	STERR	1,394E-12	-4,435E-13	15,048	1,66E-12	-3,3762
105	105	105	STERR	6,596E-13	-7,318E-13	24,634	1,205E-12	-0,547
105	105	104	SSOVRdx	0,13	-5,39	73,769	5,46	33,3203
105	105	125	SSOVRdx	-0,65	-8,68	78,314	8,37	38,2792

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
105	105	126	SSOVRdx	-0,17	-8,47	80,284	8,39	30,561
105	105	105	SSOVRdx	0,56	-5,14	76,801	5,45	28,8137
105	105	104	SSOVRsx	5,39	-0,13	-16,231	5,46	-39,0303
105	105	125	SSOVRsx	8,68	0,65	-11,686	8,37	-43,5752
105	105	126	SSOVRsx	8,47	0,17	-9,716	8,39	-32,5974
105	105	105	SSOVRsx	5,14	-0,56	-13,199	5,45	-30,5906
105	105	104	SW2	155,22	-364,36	22,403	461,96	-2,442
105	105	125	SW2	319,21	-311,76	17,8	546,45	-55,8167
105	105	126	SW2	302,19	-282,21	15,138	506,21	-43,38
105	105	105	SW2	134,04	-330,66	19,583	414,28	-4,6161
106	106	105	DEAD	59,41	-81,11	31,285	122,18	-0,4237
106	106	126	DEAD	88,76	-59,05	23,974	128,87	-2,8175
106	106	127	DEAD	85,8	-57,36	22,889	124,79	2,8666
106	106	106	DEAD	55,83	-78,79	30,424	117,15	0,1107
106	106	105	STERR	6,505E-13	-7,367E-13	24,814	1,202E-12	-0,5367
106	106	126	STERR	9,829E-13	-5,473E-13	17,729	1,343E-12	-3,2716
106	106	127	STERR	9,455E-13	-6,47E-13	16,426	1,387E-12	2,0065
106	106	106	STERR	6,037E-13	-8,271E-13	23,11	1,244E-12	8,1378
106	106	105	SSOVRdx	0,88	-4,33	73,331	4,84	28,5634
106	106	126	SSOVRdx	0,2	-8,17	75,924	8,27	32,0241
106	106	127	SSOVRdx	-0,006693	-8,41	73,67	8,41	12,7482
106	106	106	SSOVRdx	0,72	-4,62	69,794	5,01	14,613
106	106	105	SSOVRsx	4,33	-0,88	-16,669	4,84	-30,3162
106	106	126	SSOVRsx	8,17	-0,2	-14,076	8,27	-33,9944
106	106	127	SSOVRsx	8,41	0,006693	-16,33	8,41	-13,2503
106	106	106	SSOVRsx	4,62	-0,72	-20,206	5,01	-13,5321
106	106	105	SW2	103,63	-332,5	19,514	394,65	-5,3299
106	106	126	SW2	149,36	-293,72	13,45	390,45	-35,4395
106	106	127	SW2	178,23	-219,26	17,419	344,85	36,0574
106	106	106	SW2	139,47	-265	24,07	355,86	1,3928
107	107	106	DEAD	41,84	-78,09	30,888	105,43	0,1269
107	107	127	DEAD	63,59	-64,98	25,774	111,35	2,8141
107	107	128	DEAD	58,38	-72,03	23,746	113,15	-2,0885
107	107	107	DEAD	35,83	-84,32	28,658	106,84	-1,1284
107	107	106	STERR	5,893E-13	-8,671E-13	24,546	1,269E-12	7,8828
107	107	127	STERR	9,983E-13	-7,635E-13	21,333	1,53E-12	2,3987
107	107	128	STERR	9,046E-13	-1,357E-12	19,583	1,972E-12	-17,69
107	107	107	STERR	4,891E-13	-1,454E-12	21,7	1,751E-12	4,7177
107	107	106	SSOVRdx	1	-3,09	67,148	3,69	14,6281
107	107	127	SSOVRdx	0,74	-5,98	68,807	6,38	11,5653
107	107	128	SSOVRdx	-0,14	-5,89	70,2	5,82	-10,5348
107	107	107	SSOVRdx	0,11	-3	69,2	3,06	3,9526
107	107	106	SSOVRsx	3,09	-1	-22,852	3,69	-13,7424
107	107	127	SSOVRsx	5,98	-0,74	-21,193	6,38	-11,7965
107	107	128	SSOVRsx	5,89	0,14	-19,8	5,82	-7,6274
107	107	107	SSOVRsx	3	-0,11	-20,8	3,06	-7,11
107	107	106	SW2	125,55	-270	24,71	350,08	1,5958
107	107	127	SW2	160,75	-276,21	25,361	382,8	35,3965
107	107	128	SW2	136,38	-371,99	22,718	455,75	-26,2698
107	107	107	SW2	101,72	-366,32	21,935	426,37	-14,1929
108	108	107	DEAD	28,11	-85,58	29,4	102,57	-1,0849
108	108	128	DEAD	46,74	-70,66	23,099	102,38	-2,6544
108	108	129	DEAD	44,87	-68,39	22,17	98,78	-3,717
108	108	108	DEAD	25,87	-82,94	28,699	98,46	-1,5871
108	108	107	STERR	5,617E-13	-1,439E-12	21,336	1,787E-12	4,9422
108	108	128	STERR	8,066E-13	-1,256E-12	15,812	1,8E-12	-18,4566
108	108	129	STERR	6,921E-13	-1,27E-12	10,079	1,723E-12	-21,9905
108	108	108	STERR	4,091E-13	-1,414E-12	15,708	1,657E-12	3,2718
108	108	107	SSOVRdx	0,11	-1,82	71,436	1,88	3,6698
108	108	128	SSOVRdx	-0,38	-4,08	77,997	3,91	-9,1238
108	108	129	SSOVRdx	0,24	-3,97	78,399	4,1	-13,4669
108	108	108	SSOVRdx	0,72	-1,7	73,483	2,15	3,138
108	108	107	SSOVRsx	1,82	-0,11	-18,564	1,88	-6,6612
108	108	128	SSOVRsx	4,08	0,38	-12,003	3,91	-9,5951
108	108	129	SSOVRsx	3,97	-0,24	-11,601	4,1	-8,2559
108	108	108	SSOVRsx	1,7	-0,72	-16,517	2,15	-7,4623
108	108	107	SW2	98,62	-361,82	21,354	419,91	-13,6459
108	108	128	SW2	158,68	-326,68	17,06	428,64	-33,3875
108	108	129	SW2	147,98	-324,03	15,192	418,14	-46,7539
108	108	108	SW2	85,65	-356,91	19,522	406,56	-19,9629

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
109	109	108	DEAD	20,91	-81,6	28,369	93,82	-1,6167
109	109	129	DEAD	36,42	-71,65	23,687	95,24	-3,5948
109	109	130	DEAD	33,43	-64,48	22,012	86,2	-3,2096
109	109	109	DEAD	17,48	-73,99	27,128	84,1	-1,7471
109	109	108	STERR	2,949E-13	-1,357E-12	11,563	1,526E-12	3,5496
109	109	129	STERR	6,747E-13	-1,32E-12	12,884	1,757E-12	-22,9538
109	109	130	STERR	6,774E-13	-1,168E-12	11,716	1,617E-12	-20,4802
109	109	109	STERR	2,997E-13	-1,207E-12	10,002	1,382E-12	2,4943
109	109	108	SSOVRdx	0,79	-1,61	71,842	2,12	1,1723
109	109	129	SSOVRdx	0,47	-2,72	77,454	2,98	-6,1579
109	109	130	SSOVRdx	0,56	-2,57	-83,509	2,89	-6,6753
109	109	109	SSOVRdx	0,81	-1,38	-81,597	1,92	1,3308
109	109	108	SSOVRsx	1,61	-0,79	-18,158	2,12	-5,2793
109	109	129	SSOVRsx	2,72	-0,47	-12,546	2,98	-16,367
109	109	130	SSOVRsx	2,57	-0,56	6,491	2,89	-13,7828
109	109	109	SSOVRsx	1,38	-0,81	8,403	1,92	-5,776
109	109	108	SW2	71,96	-343,23	17,062	384,29	-20,3359
109	109	129	SW2	126,15	-332,38	16,21	410,27	-45,2165
109	109	130	SW2	106,47	-281,12	9,604	346,84	-40,3715
109	109	109	SW2	51,35	-291,05	9,777	319,83	-21,9751
110	110	109	DEAD	-8,28	-81,76	32,492	77,96	-1,7652
110	110	130	DEAD	19,39	-62,83	20,455	74,45	-2,53
110	110	131	DEAD	28,47	-25,69	27,325	46,92	0,9319
110	110	110	DEAD	6,55	-50,37	44,867	53,94	-0,844
110	110	109	STERR	-9,801E-14	-1,306E-12	13,033	1,26E-12	2,5702
110	110	130	STERR	1,478E-13	-1,183E-12	0,901	1,264E-12	-20,1803
110	110	131	STERR	3,951E-13	2,218E-14	-6,984	3,845E-13	-2,896
110	110	110	STERR	2,323E-13	-1,832E-13	36,865	3,607E-13	3,2337
110	110	109	SSOVRdx	1,47	-0,02413	-60,001	1,49	1,5277
110	110	130	SSOVRdx	0,75	-1,46	86,841	1,94	-4,8977
110	110	131	SSOVRdx	0,69	-1,65	74,878	2,09	0,9683
110	110	110	SSOVRdx	0,94	0,26	-74,208	0,85	2,8089
110	110	109	SSOVRsx	0,02413	-1,47	29,999	1,49	-5,8979
110	110	130	SSOVRsx	1,46	-0,75	-3,159	1,94	-15,5044
110	110	131	SSOVRsx	1,65	-0,69	-15,122	2,09	-5,4245
110	110	110	SSOVRsx	-0,26	-0,94	15,792	0,85	-6,7355
110	110	109	SW2	-31,52	-303,54	8,871	289,07	-22,2032
110	110	130	SW2	21,11	-285,5	1,507	296,62	-31,8233
110	110	131	SW2	85,34	16,42	12,861	78,43	11,7222
110	110	110	SW2	64,47	-33,37	40,598	86,14	-10,6165
111	111	111	DEAD	150,01	-15,71	28,649	158,46	-8,0746
111	111	133	DEAD	181,32	1,25	23,737	180,7	-1,971
111	111	134	DEAD	218,44	-49,11	30,399	246,7	-1,0825
111	111	112	DEAD	190,36	-69,3	33,87	232,88	-1,3549
111	111	111	STERR	-1,705E-13	-1,64E-12	-72,607	1,562E-12	54,8089
111	111	133	STERR	-3,573E-13	-2,035E-12	-80,956	1,882E-12	33,0422
111	111	134	STERR	1,922E-14	-2,123E-12	-73,284	2,132E-12	18,7041
111	111	112	STERR	2,641E-13	-1,786E-12	-66,532	1,932E-12	24,7201
111	111	111	SSOVRdx	10,7	2,04	-5,617	9,84	132,413
111	111	133	SSOVRdx	12,54	2,46	-3,588	11,51	129,5044
111	111	134	SSOVRdx	12,36	0,46	-7,905	12,14	70,4424
111	111	112	SSOVRdx	10,59	-0,01538	-10,128	10,59	72,1074
111	111	111	SSOVRsx	-2,04	-10,7	84,383	9,84	-93,4332
111	111	133	SSOVRsx	-2,46	-12,54	86,412	11,51	-101,9215
111	111	134	SSOVRsx	-0,46	-12,36	82,095	12,14	-59,4007
111	111	112	SSOVRsx	0,01538	-10,59	79,872	10,59	-57,4754
111	111	111	SW2	344,95	-64,3	31,397	381,19	-101,5648
111	111	133	SW2	399,73	18,88	21,441	390,63	-24,7923
111	111	134	SW2	507,04	-162,34	30,312	604,78	-13,6161
111	111	112	SW2	467,17	-260,43	35,521	638,54	-17,0419
112	112	112	DEAD	170,11	-47,62	31,431	198,26	-2,0805
112	112	134	DEAD	190,92	-36,32	28,954	211,43	-0,7762
112	112	135	DEAD	168,19	-66,18	24,17	209,28	-0,1746
112	112	113	DEAD	145,8	-75,91	26,347	195,16	2,9437
112	112	112	STERR	1,497E-13	-1,74E-12	-69,949	1,82E-12	24,8966
112	112	134	STERR	1,32E-13	-2,157E-12	-69,645	2,226E-12	18,5599
112	112	135	STERR	4,746E-13	-1,95E-12	-75,059	2,226E-12	13,3867
112	112	113	STERR	4,987E-13	-1,539E-12	-76,391	1,84E-12	14,8088
112	112	112	SSOVRdx	9,89	-0,24	-11,47	10,01	71,8038
112	112	134	SSOVRdx	13,6	0,46	-10,482	13,37	71,57

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
112	112	135	SSOVRdx	14,21	1,63	-14,129	13,47	41,4805
112	112	113	SSOVRdx	10,54	0,89	-16,295	10,13	48,9205
112	112	112	SSOVRsx	0,24	-9,89	78,53	10,01	-57,022
112	112	134	SSOVRsx	-0,46	-13,6	79,518	13,37	-60,6146
112	112	135	SSOVRsx	-1,63	-14,21	75,871	13,47	-33,9118
112	112	113	SSOVRsx	-0,89	-10,54	73,705	10,13	-40,5316
112	112	112	SW2	493,63	-193,31	32,11	613,56	-26,1693
112	112	134	SW2	544,27	-250,58	34,132	703,85	-9,763
112	112	135	SW2	380,6	-509,44	24,835	773,48	-2,1961
112	112	113	SW2	341,73	-463,93	21,953	700,39	37,0267
113	113	113	DEAD	137,05	-71,12	25,372	183,27	3,4445
113	113	135	DEAD	166,03	-53,74	21,132	198,43	-1,0959
113	113	136	DEAD	155,74	-56,96	18,098	190,71	16,3762
113	113	114	DEAD	125,11	-72,69	22,322	173,3	4,5547
113	113	113	STERR	5,254E-13	-1,508E-12	-75,365	1,828E-12	14,9541
113	113	135	STERR	3,318E-13	-1,904E-12	-82,861	2,09E-12	12,8183
113	113	136	STERR	5,964E-13	-1,9E-12	-80,03	2,258E-12	13,6334
113	113	114	STERR	8,149E-13	-1,528E-12	-73,238	2,06E-12	8,9013
113	113	113	SSOVRdx	9,82	1	-14,409	9,36	50,1081
113	113	135	SSOVRdx	10,33	-0,7	-25,503	10,7	36,991
113	113	136	SSOVRdx	8,66	-0,52	-15,078	8,93	64,3279
113	113	114	SSOVRdx	9,02	0,29	-0,957	8,88	37,5176
113	113	113	SSOVRsx	-1	-9,82	75,591	9,36	-41,6094
113	113	135	SSOVRsx	0,7	-10,33	64,497	10,7	-29,7058
113	113	136	SSOVRsx	0,52	-8,66	74,922	8,93	-55,8634
113	113	114	SSOVRsx	-0,29	-9,02	89,043	8,88	-32,4432
113	113	113	SW2	341,33	-420	18,409	660,5	43,3256
113	113	135	SW2	541,3	-398,1	18,134	816,69	-13,7848
113	113	136	SW2	494,26	-433,34	14,439	803,9	205,985
113	113	114	SW2	294,62	-455,58	13,841	654,66	57,2903
114	114	114	DEAD	114,51	-72,94	22,293	163,66	4,6043
114	114	136	DEAD	126,41	-52,89	15,148	159,57	16,0937
114	114	137	DEAD	122,29	-43,18	12,033	148,66	-1,4153
114	114	115	DEAD	108,19	-61,04	19,963	148,44	3,3631
114	114	114	STERR	7,935E-13	-1,421E-12	-74,444	1,943E-12	9,1798
114	114	136	STERR	5,898E-13	-1,699E-12	-82,813	2,058E-12	11,5281
114	114	137	STERR	4,614E-13	-1,682E-12	89,217	1,954E-12	4,4095
114	114	115	STERR	5,773E-13	-1,316E-12	-82,07	1,681E-12	3,3267
114	114	114	SSOVRdx	8,19	0,12	-1,626	8,13	43,5878
114	114	136	SSOVRdx	12,52	0,36	-12,036	12,34	19,4255
114	114	137	SSOVRdx	13,31	-1,27	-18,44	13,99	46,3015
114	114	115	SSOVRdx	8,53	-1,07	-13,127	9,12	32,5412
114	114	114	SSOVRsx	-0,12	-8,19	88,374	8,13	-38,2728
114	114	136	SSOVRsx	-0,36	-12,52	77,964	12,34	-12,7658
114	114	137	SSOVRsx	1,27	-13,31	71,56	13,99	-43,621
114	114	115	SSOVRsx	1,07	-8,53	76,873	9,12	-30,5422
114	114	114	SW2	268,26	-458,48	13,732	636,52	57,9141
114	114	136	SW2	376,05	-389,94	2,786	663,41	202,4317
114	114	137	SW2	388,17	-321,82	-1,597	615,76	-17,8015
114	114	115	SW2	260,7	-370,67	10,257	549,54	42,3015
115	115	115	DEAD	78,09	-62,74	19,781	122,21	2,7318
115	115	137	DEAD	77,78	-51,19	12,922	112,48	0,1076
115	115	138	DEAD	83,62	-27,98	14,967	100,57	-2,5598
115	115	116	DEAD	85,26	-40,87	22,492	111,47	-2,7877
115	115	115	STERR	6,743E-13	-8,587E-13	-80,627	1,331E-12	3,2221
115	115	137	STERR	5,923E-13	-1,054E-12	86,878	1,445E-12	4,2765
115	115	138	STERR	2,233E-13	-1,164E-12	-80,905	1,29E-12	-0,6079
115	115	116	STERR	4,597E-13	-1,123E-12	-67,857	1,41E-12	-1,9398
115	115	115	SSOVRdx	8,3	-1,51	-16,824	9,15	33,9382
115	115	137	SSOVRdx	8,02	-1,67	-17,83	8,97	41,1579
115	115	138	SSOVRdx	8,25	-1,02	-19,064	8,8	10,5024
115	115	116	SSOVRdx	8,52	-0,85	-17,997	8,98	13,2677
115	115	115	SSOVRsx	1,51	-8,3	73,176	9,15	-32,0052
115	115	137	SSOVRsx	1,67	-8,02	72,17	8,97	-38,7367
115	115	138	SSOVRsx	1,02	-8,25	70,936	8,8	-10,1851
115	115	116	SSOVRsx	0,85	-8,52	72,003	8,98	-12,7124
115	115	115	SW2	111,97	-386,28	7,389	452,77	34,3611
115	115	137	SW2	82,47	-387,58	-5,555	434,72	1,3531
115	115	138	SW2	142,97	-63,77	-3,669	183,36	-32,1983
115	115	116	SW2	202,86	-92,87	20,147	261,95	-35,0643

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
116	116	116	DEAD	63	-48,45	25,768	96,79	-2,7351
116	116	138	DEAD	64,18	-44,86	24,164	94,93	-2,5715
116	116	139	DEAD	57,18	-66,01	21,101	106,78	-0,854
116	116	117	DEAD	55,66	-69,25	22,578	108,39	2,0091
116	116	116	STERR	6,145E-13	-1,234E-12	-63,333	1,63E-12	-2,332
116	116	138	STERR	8,185E-13	-1,233E-12	-59,063	1,789E-12	-0,8898
116	116	139	STERR	1,91E-12	-6,928E-13	-71,072	2,335E-12	24,4982
116	116	117	STERR	1,773E-12	-7,605E-13	-74,948	2,252E-12	17,5578
116	116	116	SSOVRdx	6,12	-1,63	-22,587	7,08	11,814
116	116	138	SSOVRdx	9,36	-0,92	-19,029	9,85	13,9499
116	116	139	SSOVRdx	10,21	0,86	-23,675	9,81	1,2298
116	116	117	SSOVRdx	7,11	0,02166	-29,232	7,09	7,6207
116	116	116	SSOVRsx	1,63	-6,12	67,413	7,08	-11,5294
116	116	138	SSOVRsx	0,92	-9,36	70,971	9,85	-13,9221
116	116	139	SSOVRsx	-0,86	-10,21	66,325	9,81	21,9893
116	116	117	SSOVRsx	-0,02166	-7,11	60,768	7,09	10,4403
116	116	116	SW2	192,72	-157,16	29,905	303,53	-34,4035
116	116	138	SW2	216,96	-229,83	35,622	386,98	-32,3457
116	116	139	SW2	127,22	-511,1	26,113	585,17	-10,7418
116	116	117	SW2	118	-453,45	21,104	522,54	25,2715
117	117	117	DEAD	44,09	-67,95	21,764	97,76	2,575
117	117	139	DEAD	57,91	-64,93	20,589	106,44	-2,3236
117	117	140	DEAD	52,81	-64,14	17,698	101,44	13,5894
117	117	118	DEAD	38,76	-66,94	18,64	92,62	3,8577
117	117	117	STERR	1,671E-12	-7,221E-13	-79,482	2,126E-12	18,3244
117	117	139	STERR	1,671E-12	-1,294E-12	-75,93	2,575E-12	24,3209
117	117	140	STERR	2,012E-12	-1,292E-12	-74,704	2,883E-12	47,7114
117	117	118	STERR	2,003E-12	-7,111E-13	-77,563	2,438E-12	22,1218
117	117	117	SSOVRdx	5,13	0,43	-27,798	4,93	9,5884
117	117	139	SSOVRdx	6,65	-4,15	-43,355	9,44	-5,0923
117	117	140	SSOVRdx	3,17	-1,47	-37,794	4,1	48,279
117	117	118	SSOVRdx	4,38	0,37	18,612	4,21	8,2846
117	117	117	SSOVRsx	-0,43	-5,13	62,202	4,93	9,0294
117	117	139	SSOVRsx	4,15	-6,65	46,645	9,44	28,3904
117	117	140	SSOVRsx	1,47	-3,17	52,206	4,1	-7,5053
117	117	118	SSOVRsx	-0,37	-4,38	-71,388	4,21	13,5233
117	117	117	SW2	142,57	-410,4	16,057	497,26	32,3892
117	117	139	SW2	289,06	-438,49	20,607	634,48	-29,2273
117	117	140	SW2	234,59	-463,67	15,35	615,47	170,9312
117	117	118	SW2	100,67	-448,15	9,083	506,06	48,5235
118	118	118	DEAD	29,98	-69,86	20,081	88,73	3,7355
118	118	140	DEAD	39,67	-57,42	10,158	84,55	14,4515
118	118	141	DEAD	41	-47,92	9,742	77,08	-2,519
118	118	119	DEAD	31,33	-60,38	20,57	80,74	3,1228
118	118	118	STERR	2,07E-12	-6,628E-13	-75,383	2,469E-12	23,085
118	118	140	STERR	1,782E-12	-1,099E-12	87,286	2,518E-12	40,7373
118	118	141	STERR	1,595E-12	-1,285E-12	77,734	2,499E-12	30,6052
118	118	119	STERR	1,605E-12	-5,705E-13	-84,546	1,954E-12	20,2902
118	118	118	SSOVRdx	3,39	-0,12	25,539	3,45	16,3957
118	118	140	SSOVRdx	6,58	0,73	-16,628	6,25	-11,7029
118	118	141	SSOVRdx	8,09	-2,58	-27,585	9,64	34,491
118	118	119	SSOVRdx	2,95	-1,47	-19,796	3,9	13,6901
118	118	118	SSOVRsx	0,12	-3,39	-64,461	3,45	6,2144
118	118	140	SSOVRsx	-0,73	-6,58	73,372	6,25	46,5953
118	118	141	SSOVRsx	2,58	-8,09	62,415	9,64	-5,8662
118	118	119	SSOVRsx	1,47	-2,95	70,204	3,9	6,6426
118	118	118	SW2	77,22	-454,87	9,784	497,99	46,9861
118	118	140	SW2	195,56	-413,61	-1,955	538,71	181,7755
118	118	141	SW2	216,91	-314,82	-3,548	463,09	-31,6849
118	118	119	SW2	95,52	-353,03	10,045	409,24	39,2793
119	119	119	DEAD	17,45	-58,89	18,596	69,28	2,4432
119	119	141	DEAD	6,17	-56,07	13,783	59,39	-1,0296
119	119	142	DEAD	10,49	-22,97	12,704	29,64	-0,6708
119	119	120	DEAD	21,92	-25,94	20,736	41,5	-0,7862
119	119	119	STERR	1,698E-12	-8,437E-14	84,609	1,742E-12	19,9903
119	119	141	STERR	1,859E-12	2,985E-13	76,399	1,729E-12	29,2033
119	119	142	STERR	5,277E-13	-3,006E-13	48,5	7,263E-13	3,2703
119	119	120	STERR	1,618E-13	-4,789E-13	68,181	5,771E-13	2,9597
119	119	119	SSOVRdx	2,36	-2,18	-27,979	3,93	15,4116
119	119	141	SSOVRdx	1,6	-3,01	-35,62	4,05	27,1068

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
119	119	142	SSOVRdx	0,88	-0,93	-35,662	1,57	3,0714
119	119	120	SSOVRdx	1,76	-0,22	-17,136	1,88	5,309
119	119	119	SSOVRsx	2,18	-2,36	62,021	3,93	4,865
119	119	141	SSOVRsx	3,01	-1,6	54,38	4,05	0,0337
119	119	142	SSOVRsx	0,93	-0,88	54,338	1,57	1,0878
119	119	120	SSOVRsx	0,22	-1,76	72,864	1,88	-0,8758
119	119	119	SW2	8,35	-355,6	3,366	359,84	30,7311
119	119	141	SW2	-92,92	-382,57	-8,849	345,61	-12,9507
119	119	142	SW2	78,73	-147,14	-44,422	198,58	-8,4379
119	119	120	SW2	95,4	-35,57	-23,282	117,3	-9,8893
120	120	120	DEAD	-6,3	-30,41	27,152	27,8	-0,4872
120	120	142	DEAD	6,46	-25,28	17,488	29,05	-1,622
120	120	143	DEAD	19,02	-5,83	39,579	22,51	0,3282
120	120	121	DEAD	11,04	-15,76	52,864	23,33	-1,3557
120	120	120	STERR	2,777E-13	-2,01E-14	52,849	2,883E-13	2,8226
120	120	142	STERR	1,594E-13	-3,658E-14	75,22	1,805E-13	4,3503
120	120	143	STERR	2,198E-14	-4,467E-13	-32,736	4,581E-13	-0,1673
120	120	121	STERR	3,996E-14	-3,299E-13	-19,862	3,516E-13	1,7065
120	120	120	SSOVRdx	0,03803	-0,37	5,504	0,39	5,4773
120	120	142	SSOVRdx	-0,19	-0,41	-0,444	0,35	6,1416
120	120	143	SSOVRdx	-0,03489	-0,26	42,911	0,25	-0,5274
120	120	121	SSOVRdx	0,17	-0,2	28,702	0,32	5,4725
120	120	120	SSOVRsx	0,37	-0,03803	-84,496	0,39	-0,754
120	120	142	SSOVRsx	0,41	0,19	89,556	0,35	-0,563
120	120	143	SSOVRsx	0,26	0,03489	-47,089	0,25	0,1348
120	120	121	SSOVRsx	0,2	-0,17	-61,298	0,32	-0,9619
120	120	120	SW2	21,36	-84,42	-42,799	96,88	-6,128
120	120	142	SW2	31,54	-33,14	-20,314	56,02	-20,4025
120	120	143	SW2	130,07	-10,62	51,491	135,69	4,1283
120	120	121	SW2	80,73	-22,74	67,271	94,18	-17,0522
121	121	122	DEAD	150,01	-15,71	28,649	158,46	8,0746
121	121	144	DEAD	181,32	1,25	23,737	180,7	1,971
121	121	145	DEAD	218,44	-49,11	30,399	246,7	1,0825
121	121	123	DEAD	190,36	-69,3	33,87	232,88	1,3549
121	121	122	STERR	1,561E-12	1,741E-13	16,742	1,482E-12	-54,8089
121	121	144	STERR	1,935E-12	3,454E-13	8,491	1,788E-12	-33,0422
121	121	145	STERR	2,006E-12	-6,37E-15	15,957	2,009E-12	-18,7041
121	121	123	STERR	1,685E-12	-2,308E-13	22,714	1,811E-12	-24,7201
121	121	122	SSOVRdx	-2,04	-10,7	84,383	9,84	93,4332
121	121	144	SSOVRdx	-2,46	-12,54	86,412	11,51	101,9215
121	121	145	SSOVRdx	-0,46	-12,36	82,095	12,14	59,4007
121	121	123	SSOVRdx	0,01538	-10,59	79,872	10,59	57,4754
121	121	122	SSOVRsx	10,7	2,04	-5,617	9,84	-132,413
121	121	144	SSOVRsx	12,54	2,46	-3,588	11,51	-129,5044
121	121	145	SSOVRsx	12,36	0,46	-7,905	12,14	-70,4424
121	121	123	SSOVRsx	10,59	-0,01538	-10,128	10,59	-72,1074
121	121	122	SW2	344,95	-64,3	31,397	381,19	101,5648
121	121	144	SW2	399,73	18,88	21,441	390,63	24,7923
121	121	145	SW2	507,04	-162,34	30,312	604,78	13,6161
121	121	123	SW2	467,17	-260,43	35,521	638,54	17,0419
122	122	123	DEAD	170,11	-47,62	31,431	198,26	2,0805
122	122	145	DEAD	190,92	-36,32	28,954	211,43	0,7762
122	122	146	DEAD	168,19	-66,18	24,17	209,28	0,1746
122	122	124	DEAD	145,8	-75,91	26,347	195,16	-2,9437
122	122	123	STERR	1,645E-12	-1,249E-13	19,162	1,71E-12	-24,8966
122	122	145	STERR	2,044E-12	-1,088E-13	19,665	2,1E-12	-18,5599
122	122	146	STERR	1,853E-12	-4,266E-13	14,245	2,099E-12	-13,3867
122	122	124	STERR	1,462E-12	-4,502E-13	12,707	1,731E-12	-14,8088
122	122	123	SSOVRdx	0,24	-9,89	78,53	10,01	57,022
122	122	145	SSOVRdx	-0,46	-13,6	79,518	13,37	60,6146
122	122	146	SSOVRdx	-1,63	-14,21	75,871	13,47	33,9118
122	122	124	SSOVRdx	-0,89	-10,54	73,705	10,13	40,5316
122	122	123	SSOVRsx	9,89	-0,24	-11,47	10,01	-71,8038
122	122	145	SSOVRsx	13,6	0,46	-10,482	13,37	-71,57
122	122	146	SSOVRsx	14,21	1,63	-14,129	13,47	-41,4805
122	122	124	SSOVRsx	10,54	0,89	-16,295	10,13	-48,9205
122	122	123	SW2	493,63	-193,31	32,11	613,56	26,1693
122	122	145	SW2	544,27	-250,58	34,132	703,85	9,763
122	122	146	SW2	380,6	-509,44	24,835	773,48	2,1961
122	122	124	SW2	341,73	-463,93	21,953	700,39	-37,0267

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
123	123	124	DEAD	137,05	-71,12	25,372	183,27	-3,4445
123	123	146	DEAD	166,03	-53,74	21,132	198,43	1,0959
123	123	147	DEAD	155,74	-56,96	18,098	190,71	-16,3762
123	123	125	DEAD	125,11	-72,69	22,322	173,3	-4,5547
123	123	124	STERR	1,433E-12	-4,753E-13	13,8	1,72E-12	-14,9541
123	123	146	STERR	1,801E-12	-3,011E-13	6,238	1,969E-12	-12,8183
123	123	147	STERR	1,795E-12	-5,559E-13	9,352	2,128E-12	-13,6334
123	123	125	STERR	1,453E-12	-7,562E-13	16,202	1,944E-12	-8,9013
123	123	124	SSOVRdx	-1	-9,82	75,591	9,36	41,6094
123	123	146	SSOVRdx	0,7	-10,33	64,497	10,7	29,7058
123	123	147	SSOVRdx	0,52	-8,66	74,922	8,93	55,8634
123	123	125	SSOVRdx	-0,29	-9,02	89,043	8,88	32,4432
123	123	124	SSOVRsx	9,82	1	-14,409	9,36	-50,1081
123	123	146	SSOVRsx	10,33	-0,7	-25,503	10,7	-36,991
123	123	147	SSOVRsx	8,66	-0,52	-15,078	8,93	-64,3279
123	123	125	SSOVRsx	9,02	0,29	-0,957	8,88	-37,5176
123	123	124	SW2	341,33	-420	18,409	660,5	-43,3256
123	123	146	SW2	541,3	-398,1	18,134	816,69	13,7848
123	123	147	SW2	494,26	-433,34	14,439	803,9	-205,985
123	123	125	SW2	294,62	-455,58	13,841	654,66	-57,2903
124	124	125	DEAD	114,51	-72,94	22,293	163,66	-4,6043
124	124	147	DEAD	126,41	-52,89	15,148	159,57	-16,0937
124	124	148	DEAD	122,29	-43,18	12,033	148,66	1,4153
124	124	126	DEAD	108,19	-61,04	19,963	148,44	-3,3631
124	124	125	STERR	1,352E-12	-7,36E-13	14,916	1,835E-12	-9,1798
124	124	147	STERR	1,63E-12	-5,473E-13	6,435	1,961E-12	-11,5281
124	124	148	STERR	1,621E-12	-4,374E-13	-1,703	1,878E-12	-4,4095
124	124	126	STERR	1,257E-12	-5,395E-13	6,951	1,597E-12	-3,3267
124	124	125	SSOVRdx	-0,12	-8,19	88,374	8,13	38,2728
124	124	147	SSOVRdx	-0,36	-12,52	77,964	12,34	12,7658
124	124	148	SSOVRdx	1,27	-13,31	71,56	13,99	43,621
124	124	126	SSOVRdx	1,07	-8,53	76,873	9,12	30,5422
124	124	125	SSOVRsx	8,19	0,12	-1,626	8,13	-43,5878
124	124	147	SSOVRsx	12,52	0,36	-12,036	12,34	-19,4255
124	124	148	SSOVRsx	13,31	-1,27	-18,44	13,99	-46,3015
124	124	126	SSOVRsx	8,53	-1,07	-13,127	9,12	-32,5412
124	124	125	SW2	268,26	-458,48	13,732	636,52	-57,9141
124	124	147	SW2	376,05	-389,94	2,786	663,41	-202,4317
124	124	148	SW2	388,17	-321,82	-1,597	615,76	17,8015
124	124	126	SW2	260,7	-370,67	10,257	549,54	-42,3015
125	125	126	DEAD	78,09	-62,74	19,781	122,21	-2,7318
125	125	148	DEAD	77,78	-51,19	12,922	112,48	-0,1076
125	125	149	DEAD	83,62	-27,98	14,967	100,57	2,5598
125	125	127	DEAD	85,26	-40,87	22,492	111,47	2,7877
125	125	126	STERR	8,3E-13	-6,267E-13	7,932	1,266E-12	-3,2221
125	125	148	STERR	1,022E-12	-5,638E-13	-3,907	1,393E-12	-4,2765
125	125	149	STERR	1,115E-12	-1,874E-13	7,395	1,219E-12	0,6079
125	125	127	STERR	1,057E-12	-3,853E-13	20,497	1,294E-12	1,9398
125	125	126	SSOVRdx	1,51	-8,3	73,176	9,15	32,0052
125	125	148	SSOVRdx	1,67	-8,02	72,17	8,97	38,7367
125	125	149	SSOVRdx	1,02	-8,25	70,936	8,8	10,1851
125	125	127	SSOVRdx	0,85	-8,52	72,003	8,98	12,7124
125	125	126	SSOVRsx	8,3	-1,51	-16,824	9,15	-33,9382
125	125	148	SSOVRsx	8,02	-1,67	-17,83	8,97	-41,1579
125	125	149	SSOVRsx	8,25	-1,02	-19,064	8,8	-10,5024
125	125	127	SSOVRsx	8,52	-0,85	-17,997	8,98	-13,2677
125	125	126	SW2	111,97	-386,28	7,389	452,77	-34,3611
125	125	148	SW2	82,47	-387,58	-5,555	434,72	-1,3531
125	125	149	SW2	142,97	-63,77	-3,669	183,36	32,1983
125	125	127	SW2	202,86	-92,87	20,147	261,95	35,0643
126	126	127	DEAD	63	-48,45	25,768	96,79	2,7351
126	126	149	DEAD	64,18	-44,86	24,164	94,93	2,5715
126	126	150	DEAD	57,18	-66,01	21,101	106,78	0,854
126	126	128	DEAD	55,66	-69,25	22,578	108,39	-2,0091
126	126	127	STERR	1,129E-12	-5,211E-13	25,328	1,461E-12	2,332
126	126	149	STERR	1,145E-12	-6,905E-13	29,528	1,606E-12	0,8898
126	126	150	STERR	6,802E-13	-1,669E-12	17,877	2,094E-12	-24,4982
126	126	128	STERR	7,214E-13	-1,557E-12	14,071	2,017E-12	-17,5578
126	126	127	SSOVRdx	1,63	-6,12	67,413	7,08	11,5294
126	126	149	SSOVRdx	0,92	-9,36	70,971	9,85	13,9221

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
126	126	150	SSOVRdx	-0,86	-10,21	66,325	9,81	-21,9893
126	126	128	SSOVRdx	-0,02166	-7,11	60,768	7,09	-10,4403
126	126	127	SSOVRsx	6,12	-1,63	-22,587	7,08	-11,814
126	126	149	SSOVRsx	9,36	-0,92	-19,029	9,85	-13,9499
126	126	150	SSOVRsx	10,21	0,86	-23,675	9,81	-1,2298
126	126	128	SSOVRsx	7,11	0,02166	-29,232	7,09	-7,6207
126	126	127	SW2	192,72	-157,16	29,905	303,53	34,4035
126	126	149	SW2	216,96	-229,83	35,622	386,98	32,3457
126	126	150	SW2	127,22	-511,1	26,113	585,17	10,7418
126	126	128	SW2	118	-453,45	21,104	522,54	-25,2715
127	127	128	DEAD	44,09	-67,95	21,764	97,76	-2,575
127	127	150	DEAD	57,91	-64,93	20,589	106,44	2,3236
127	127	151	DEAD	52,81	-64,14	17,698	101,44	-13,5894
127	127	129	DEAD	38,76	-66,94	18,64	92,62	-3,8577
127	127	128	STERR	6,534E-13	-1,485E-12	9,942	1,898E-12	-18,3244
127	127	150	STERR	1,156E-12	-1,464E-12	12,878	2,274E-12	-24,3209
127	127	151	STERR	1,166E-12	-1,792E-12	14,8	2,581E-12	-47,7114
127	127	129	STERR	6,544E-13	-1,804E-12	12,639	2,205E-12	-22,1218
127	127	128	SSOVRdx	-0,43	-5,13	62,202	4,93	-9,0294
127	127	150	SSOVRdx	4,15	-6,65	46,645	9,44	-28,3904
127	127	151	SSOVRdx	1,47	-3,17	52,206	4,1	7,5053
127	127	129	SSOVRdx	-0,37	-4,38	-71,388	4,21	-13,5233
127	127	128	SSOVRsx	5,13	0,43	-27,798	4,93	-9,5884
127	127	150	SSOVRsx	6,65	-4,15	-43,355	9,44	5,0923
127	127	151	SSOVRsx	3,17	-1,47	-37,794	4,1	-48,279
127	127	129	SSOVRsx	4,38	0,37	18,612	4,21	-8,2846
127	127	128	SW2	142,57	-410,4	16,057	497,26	-32,3892
127	127	150	SW2	289,06	-438,49	20,607	634,48	29,2273
127	127	151	SW2	234,59	-463,67	15,35	615,47	-170,9312
127	127	129	SW2	100,67	-448,15	9,083	506,06	-48,5235
128	128	129	DEAD	29,98	-69,86	20,081	88,73	-3,7355
128	128	151	DEAD	39,67	-57,42	10,158	84,55	-14,4515
128	128	152	DEAD	41	-47,92	9,742	77,08	2,519
128	128	130	DEAD	31,33	-60,38	20,57	80,74	-3,1228
128	128	129	STERR	6,445E-13	-1,862E-12	14,837	2,255E-12	-23,085
128	128	151	STERR	1,047E-12	-1,594E-12	-3,176	2,304E-12	-40,7373
128	128	152	STERR	1,231E-12	-1,466E-12	-13,16	2,339E-12	-30,6052
128	128	130	STERR	5,464E-13	-1,452E-12	4,858	1,789E-12	-20,2902
128	128	129	SSOVRdx	0,12	-3,39	-64,461	3,45	-6,2144
128	128	151	SSOVRdx	-0,73	-6,58	73,372	6,25	-46,5953
128	128	152	SSOVRdx	2,58	-8,09	62,415	9,64	5,8662
128	128	130	SSOVRdx	1,47	-2,95	70,204	3,9	-6,6426
128	128	129	SSOVRsx	3,39	-0,12	25,539	3,45	-16,3957
128	128	151	SSOVRsx	6,58	0,73	-16,628	6,25	11,7029
128	128	152	SSOVRsx	8,09	-2,58	-27,585	9,64	-34,491
128	128	130	SSOVRsx	2,95	-1,47	-19,796	3,9	-13,6901
128	128	129	SW2	77,22	-454,87	9,784	497,99	-46,9861
128	128	151	SW2	195,56	-413,61	-1,955	538,71	-181,7755
128	128	152	SW2	216,91	-314,82	-3,548	463,09	31,6849
128	128	130	SW2	95,52	-353,03	10,045	409,24	-39,2793
129	129	130	DEAD	17,45	-58,89	18,596	69,28	-2,4432
129	129	152	DEAD	6,17	-56,07	13,783	59,39	1,0296
129	129	153	DEAD	10,49	-22,97	12,704	29,64	0,6708
129	129	131	DEAD	21,92	-25,94	20,736	41,5	0,7862
129	129	130	STERR	9,762E-14	-1,548E-12	-6,225	1,599E-12	-19,9903
129	129	152	STERR	-2,531E-13	-1,703E-12	-14,404	1,591E-12	-29,2033
129	129	153	STERR	2,768E-13	-4,779E-13	-41,179	6,612E-13	-3,2703
129	129	131	STERR	4,498E-13	-1,456E-13	-21,375	5,376E-13	-2,9597
129	129	130	SSOVRdx	2,18	-2,36	62,021	3,93	-4,865
129	129	152	SSOVRdx	3,01	-1,6	54,38	4,05	-0,0337
129	129	153	SSOVRdx	0,93	-0,88	54,338	1,57	-1,0878
129	129	131	SSOVRdx	0,22	-1,76	72,864	1,88	0,8758
129	129	130	SSOVRsx	2,36	-2,18	-27,979	3,93	-15,4116
129	129	152	SSOVRsx	1,6	-3,01	-35,62	4,05	-27,1068
129	129	153	SSOVRsx	0,88	-0,93	-35,662	1,57	-3,0714
129	129	131	SSOVRsx	1,76	-0,22	-17,136	1,88	-5,309
129	129	130	SW2	8,35	-355,6	3,366	359,84	-30,7311
129	129	152	SW2	-92,92	-382,57	-8,849	345,61	12,9507
129	129	153	SW2	78,73	-147,14	-44,422	198,58	8,4379
129	129	131	SW2	95,4	-35,57	-23,282	117,3	9,8893

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
130	130	131	DEAD	-6,3	-30,41	27,152	27,8	0,4872
130	130	153	DEAD	6,46	-25,28	17,488	29,05	1,622
130	130	154	DEAD	19,02	-5,83	39,579	22,51	-0,3282
130	130	132	DEAD	11,04	-15,76	52,864	23,33	1,3557
130	130	131	STERR	1,194E-14	-2,466E-13	-36,224	2,528E-13	-2,8226
130	130	153	STERR	2,737E-14	-1,48E-13	-14,285	1,634E-13	-4,3503
130	130	154	STERR	3,96E-13	-1,994E-14	57,601	4,063E-13	0,1673
130	130	132	STERR	2,966E-13	-3,464E-14	69,914	3,154E-13	-1,7065
130	130	131	SSOVRdx	0,37	-0,03803	-84,496	0,39	0,754
130	130	153	SSOVRdx	0,41	0,19	89,556	0,35	0,563
130	130	154	SSOVRdx	0,26	0,03489	-47,089	0,25	-0,1348
130	130	132	SSOVRdx	0,2	-0,17	-61,298	0,32	0,9619
130	130	131	SSOVRsx	0,03803	-0,37	5,504	0,39	-5,4773
130	130	153	SSOVRsx	-0,19	-0,41	-0,444	0,35	-6,1416
130	130	154	SSOVRsx	-0,03489	-0,26	42,911	0,25	0,5274
130	130	132	SSOVRsx	0,17	-0,2	28,702	0,32	-5,4725
130	130	131	SW2	21,36	-84,42	-42,799	96,88	6,128
130	130	153	SW2	31,54	-33,14	-20,314	56,02	20,4025
130	130	154	SW2	130,07	-10,62	51,491	135,69	-4,1283
130	130	132	SW2	80,73	-22,74	67,271	94,18	17,0522
131	131	133	DEAD	181,32	1,25	23,737	180,7	-1,971
131	131	155	DEAD	253,45	30,56	15,923	239,63	10,7173
131	131	156	DEAD	277,48	-21,85	22,957	289,02	1,8411
131	131	134	DEAD	211,94	-57,74	29,284	245,94	-1,3629
131	131	133	STERR	-3,573E-13	-2,035E-12	-80,956	1,882E-12	33,0422
131	131	155	STERR	-4,885E-13	-2,971E-12	-79,138	2,76E-12	-4,262
131	131	156	STERR	3,102E-15	-2,997E-12	-75,37	2,998E-12	12,9491
131	131	134	STERR	1,291E-13	-2,055E-12	-75,362	2,123E-12	18,669
131	131	133	SSOVRdx	12,54	2,46	-3,588	11,51	129,5044
131	131	155	SSOVRdx	15,1	3,01	-1,152	13,84	121,1624
131	131	156	SSOVRdx	14,56	0,07577	-3,242	14,52	68,777
131	131	134	SSOVRdx	12,04	-0,51	-5,533	12,3	70,4152
131	131	133	SSOVRsx	-2,46	-12,54	86,412	11,51	-101,9215
131	131	155	SSOVRsx	-3,01	-15,1	88,848	13,84	-113,6685
131	131	156	SSOVRsx	-0,07577	-14,56	86,758	14,52	-61,3148
131	131	134	SSOVRsx	0,51	-12,04	84,467	12,3	-59,392
131	131	133	SW2	399,73	18,88	21,441	390,63	-24,7923
131	131	155	SW2	658,5	59,55	18,471	630,83	134,8055
131	131	156	SW2	720,89	-104,33	24,271	778,32	23,1581
131	131	134	SW2	470,08	-152,96	28,093	562,38	-17,1425
132	132	134	DEAD	184,69	-45,22	27,66	210,97	-1,0565
132	132	156	DEAD	224,46	-2,83	17,631	225,89	0,6619
132	132	157	DEAD	211,76	-28,55	14,248	227,39	-5,812
132	132	135	DEAD	166,96	-65,9	23,899	207,9	1,1224
132	132	134	STERR	2,317E-13	-2,08E-12	-71,651	2,205E-12	18,5248
132	132	156	STERR	-1,644E-13	-2,814E-12	-84,853	2,735E-12	14,9691
132	132	157	STERR	2,879E-13	-2,735E-12	-84,156	2,89E-12	10,205
132	132	135	STERR	6,814E-13	-1,999E-12	-72,72	2,413E-12	13,6706
132	132	134	SSOVRdx	13,22	-0,47	-8,203	13,47	71,5429
132	132	156	SSOVRdx	18,12	0,76	-3,671	17,75	68,9372
132	132	157	SSOVRdx	17,95	-1,19	-6,654	18,58	44,7156
132	132	135	SSOVRdx	13,2	-2,56	-11,301	14,65	41,6386
132	132	134	SSOVRsx	0,47	-13,22	81,797	13,47	-60,6058
132	132	156	SSOVRsx	-0,76	-18,12	86,329	17,75	-60,271
132	132	157	SSOVRsx	1,19	-17,95	83,346	18,58	-39,4076
132	132	135	SSOVRsx	2,56	-13,2	78,699	14,65	-33,9046
132	132	134	SW2	503,97	-237,85	32,533	656,06	-13,2893
132	132	156	SW2	528,86	-24,8	15,822	541,68	8,3261
132	132	157	SW2	522,99	-227,7	17,791	666,67	-73,105
132	132	135	SW2	496,39	-439,03	30,556	810,6	14,1183
133	133	135	DEAD	164,92	-53,58	20,824	197,25	0,2011
133	133	157	DEAD	180,21	-56,24	21,717	213,94	-6,069
133	133	158	DEAD	148,24	-111,33	13,871	225,56	23,0523
133	133	136	DEAD	134,29	-110,02	12,529	211,93	13,9281
133	133	135	STERR	5,08E-13	-1,923E-12	-79,59	2,221E-12	13,1022
133	133	157	STERR	5,612E-13	-3,164E-12	-72,67	3,479E-12	10,3627
133	133	158	STERR	1,428E-12	-2,649E-12	-83,946	3,583E-12	16,0351
133	133	136	STERR	1,593E-12	-1,625E-12	86,433	2,787E-12	13,0624
133	133	135	SSOVRdx	8,99	-4,56	-19,901	11,94	37,1492
133	133	157	SSOVRdx	28,02	0,87	-5,174	27,6	50,1785

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
133	133	158	SSOVRdx	30,36	2,06	-15,296	29,38	-32,4792
133	133	136	SSOVRdx	13,93	-5,97	-33,059	17,69	64,1895
133	133	135	SSOVRsx	4,56	-8,99	70,099	11,94	-29,6987
133	133	157	SSOVRsx	-0,87	-28,02	84,826	27,6	-44,8967
133	133	158	SSOVRsx	-2,06	-30,36	74,704	29,38	44,3891
133	133	136	SSOVRsx	5,97	-13,93	56,941	17,69	-56,0652
133	133	135	SW2	635,28	-305,88	23,856	831,54	2,5296
133	133	157	SW2	753,04	-545,19	32,413	1129,09	-76,3382
133	133	158	SW2	305,91	-1276,99	16,143	1454,28	289,9587
133	133	136	SW2	308,16	-1157,69	7,246	1338,64	175,1921
134	134	136	DEAD	107,3	-108,29	9,237	186,71	13,6456
134	134	158	DEAD	112,4	-100,7	1,105	184,64	24,0538
134	134	159	DEAD	128,94	-19	-2,32	139,41	-5,5923
134	134	137	DEAD	122,17	-24,92	9,549	136,35	-0,357
134	134	136	STERR	1,651E-12	-1,489E-12	83,719	2,72E-12	10,9571
134	134	158	STERR	1,861E-12	-1,348E-12	75,947	2,79E-12	23,4322
134	134	159	STERR	2,84E-13	-1,579E-12	75,375	1,738E-12	3,0416
134	134	137	STERR	1,076E-13	-1,753E-12	88,747	1,809E-12	4,6817
134	134	136	SSOVRdx	17,19	-4,49	-29,413	19,81	19,2871
134	134	158	SSOVRdx	3,81	-10,49	-48,415	12,83	125,5937
134	134	159	SSOVRdx	0,63	-4,85	-63,82	5,19	32,4105
134	134	137	SSOVRdx	14,04	1,12	-21,079	13,51	46,3023
134	134	136	SSOVRsx	4,49	-17,19	60,587	19,81	-12,9676
134	134	158	SSOVRsx	10,49	-3,81	41,585	12,83	-107,3288
134	134	159	SSOVRsx	4,85	-0,63	26,18	5,19	-31,7675
134	134	137	SSOVRsx	-1,12	-14,04	68,921	13,51	-43,4643
134	134	136	SW2	222,51	-1146,85	-0,142	1272,78	171,6388
134	134	158	SW2	200,28	-1229,51	-12,328	1340,91	302,5567
134	134	159	SW2	549,99	-367,68	-28,8	799,94	-70,3421
134	134	137	SW2	439,29	-152,08	-9,122	531,89	-4,4901
135	135	137	DEAD	77,53	-32,8	9,761	98,13	1,1659
135	135	159	DEAD	96	-30,25	10,414	114,17	-5,0757
135	135	160	DEAD	101,03	-18,89	13,382	111,68	1,2434
135	135	138	DEAD	82,46	-21,34	13,147	94,94	-3,0883
135	135	137	STERR	2,406E-13	-1,128E-12	85,758	1,265E-12	4,5487
135	135	159	STERR	2,203E-13	-1,361E-12	-82,157	1,484E-12	4,2665
135	135	160	STERR	2,074E-13	-1,424E-12	-77,211	1,539E-12	2,8352
135	135	138	STERR	1,708E-13	-1,134E-12	-88,352	1,228E-12	-0,8147
135	135	137	SSOVRdx	8,75	0,72	-21,952	8,42	41,1588
135	135	159	SSOVRdx	7,83	1	-19,203	7,39	39,2898
135	135	160	SSOVRdx	7,06	-0,75	-12,886	7,47	13,7817
135	135	138	SSOVRdx	7,9	-0,94	-16,15	8,41	10,4719
135	135	137	SSOVRsx	-0,72	-8,75	68,048	8,42	-38,58
135	135	159	SSOVRsx	-1	-7,83	70,797	7,39	-37,5809
135	135	160	SSOVRsx	0,75	-7,06	77,114	7,47	-12,6008
135	135	138	SSOVRsx	0,94	-7,9	73,85	8,41	-10,2713
135	135	137	SW2	154,32	-238,57	-18,473	342,86	14,6645
135	135	159	SW2	181,74	-186,89	2,898	319,25	-63,844
135	135	160	SW2	252,78	-84,59	20,939	304,03	15,6395
135	135	138	SW2	146,65	-57,57	-6,824	182,38	-38,8462
136	136	138	DEAD	62,12	-37,31	23,091	87	-3,1001
136	136	160	DEAD	63,04	-24,08	13,019	77,92	1,1567
136	136	161	DEAD	64,21	-32,51	15,378	85,25	-6,0885
136	136	139	DEAD	64,25	-46,71	24,195	96,49	0,1384
136	136	138	STERR	6,492E-13	-1,086E-12	-61,632	1,519E-12	-1,0966
136	136	160	STERR	1,65E-13	-1,185E-12	-86,61	1,275E-12	4,3213
136	136	161	STERR	1,019E-12	-1,161E-12	-75,998	1,889E-12	28,9751
136	136	139	STERR	1,609E-12	-1,17E-12	-61,785	2,417E-12	25,1053
136	136	138	SSOVRdx	9,01	-0,84	-16,413	9,45	13,9194
136	136	160	SSOVRdx	13,17	0,64	-7,975	12,85	10,1744
136	136	161	SSOVRdx	12,91	-1,69	-9,746	13,83	4,4352
136	136	139	SSOVRdx	8,83	-3,25	-17,048	10,82	1,372
136	136	138	SSOVRsx	0,84	-9,01	73,587	9,45	-14,0083
136	136	160	SSOVRsx	-0,64	-13,17	82,025	12,85	-7,781
136	136	161	SSOVRsx	1,69	-12,91	80,254	13,83	21,6062
136	136	139	SSOVRsx	3,25	-8,83	72,952	10,82	22,2173
136	136	138	SW2	210,53	-213,52	35,57	367,24	-38,9936
136	136	160	SW2	109,24	-67,45	9,568	154,44	14,5496
136	136	161	SW2	128,7	-227,86	21,486	312,74	-76,5831
136	136	139	SW2	243,17	-387,11	34,248	550,56	1,741

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
137	137	139	DEAD	64,86	-45,51	23,639	96,07	-1,3312
137	137	161	DEAD	71,72	-58,79	28,625	113,21	-6,5268
137	137	162	DEAD	41,71	-122,5	17,933	147,84	19,213
137	137	140	DEAD	39,34	-113,72	13,091	137,67	11,382
137	137	139	STERR	1,29E-12	-1,69E-12	-67,363	2,588E-12	24,9279
137	137	161	STERR	2,246E-12	-2,997E-12	-58,198	4,556E-12	26,6987
137	137	162	STERR	5,234E-12	-1,018E-12	-77,242	5,81E-12	89,1688
137	137	140	STERR	4,988E-12	-4,215E-13	-89,396	5,211E-12	46,1924
137	137	139	SSOVRdx	4,26	-7,25	-34,071	10,08	-4,9501
137	137	161	SSOVRdx	26,38	1,08	-6,76	25,85	12,139
137	137	162	SSOVRdx	31,12	3,47	-22,07	29,53	-65,2341
137	137	140	SSOVRdx	14,08	-9,95	-45,555	20,91	48,0786
137	137	139	SSOVRsx	7,25	-4,26	55,929	10,08	28,6184
137	137	161	SSOVRsx	-1,08	-26,38	83,24	25,85	12,0142
137	137	162	SSOVRsx	-3,47	-31,12	67,93	29,53	139,8809
137	137	140	SSOVRsx	9,95	-14,08	44,445	20,91	-8,252
137	137	139	SW2	386,21	-295,7	27,694	592,28	-16,7446
137	137	161	SW2	495,43	-585,69	37,856	937,36	-82,0965
137	137	162	SW2	52,72	-1336,96	20,056	1364,09	241,6669
137	137	140	SW2	74,26	-1177,72	9,531	1216,55	143,1661
138	138	140	DEAD	28,22	-109,01	7,065	125,52	12,2441
138	138	162	DEAD	13,23	-110,03	-3,361	117,2	16,1983
138	138	163	DEAD	35,41	-33,14	-17,351	59,38	-6,1627
138	138	141	DEAD	42,95	-24,67	3,782	59,27	-1,5708
138	138	140	STERR	5,133E-12	-6,033E-13	80,645	5,459E-12	39,2183
138	138	162	STERR	5,947E-12	9,279E-13	70,213	5,542E-12	113,6954
138	138	163	STERR	2,236E-12	-8,497E-13	46,949	2,761E-12	28,8249
138	138	141	STERR	7,56E-13	-1,715E-12	67,932	2,193E-12	31,2092
138	138	140	SSOVRdx	16,36	-6,62	-40,904	20,49	-11,9033
138	138	162	SSOVRdx	2,2	-18,63	-66,43	19,82	146,0327
138	138	163	SSOVRdx	-0,86	-15,24	89,824	14,83	15,9215
138	138	141	SSOVRdx	9,03	1,03	-33,749	8,56	34,4721
138	138	140	SSOVRsx	6,62	-16,36	49,096	20,49	45,8486
138	138	162	SSOVRsx	18,63	-2,2	23,57	19,82	-50,6941
138	138	163	SSOVRsx	15,24	0,86	-0,176	14,83	10,061
138	138	141	SSOVRsx	-1,03	-9,03	56,251	8,56	-5,4826
138	138	140	SW2	49,14	-1141,58	0,261	1166,92	154,0103
138	138	162	SW2	-106,79	-1250,99	-13,812	1201,16	203,7477
138	138	163	SW2	349,01	-496,4	-37,919	735,85	-77,5162
138	138	141	SW2	296,01	-178,04	-17,977	414,76	-19,7577
139	139	141	DEAD	7,25	-31,96	5,92	36,13	-0,0814
139	139	163	DEAD	15,33	-31,55	10,044	41,41	-6,1756
139	139	164	DEAD	22,44	-18,52	20,83	35,53	0,4339
139	139	142	DEAD	13,45	-18,01	18,77	27,34	-0,956
139	139	141	STERR	1,12E-12	-2,318E-13	56,813	1,252E-12	29,8073
139	139	163	STERR	8,705E-13	1,207E-13	64,57	8,168E-13	32,9349
139	139	164	STERR	2,173E-13	8,427E-14	-47,925	1,898E-13	8,504
139	139	142	STERR	3,649E-13	-1,661E-13	49,446	4,705E-13	3,1126
139	139	141	SSOVRdx	3,26	-0,11	-58,685	3,32	27,0879
139	139	163	SSOVRdx	2,14	-2,23	-73,991	3,79	26,0896
139	139	164	SSOVRdx	-0,42	-2,63	-70,785	2,45	6,7932
139	139	142	SSOVRdx	1,14	-0,96	-39,193	1,82	3,0975
139	139	141	SSOVRsx	0,11	-3,26	31,315	3,32	0,4173
139	139	163	SSOVRsx	2,23	-2,14	16,009	3,79	3,3189
139	139	164	SSOVRsx	2,63	0,42	19,215	2,45	0,1244
139	139	142	SSOVRsx	0,96	-1,14	50,807	1,82	0,9725
139	139	141	SW2	34,4	-294,01	-33,148	312,63	-1,0234
139	139	163	SW2	-15,53	-200,41	-14,683	193,12	-77,6787
139	139	164	SW2	45,82	-62,2	37,467	93,91	5,4573
139	139	142	SW2	22,85	-82,88	-45,278	96,36	-12,0245
140	140	142	DEAD	10,04	-20,93	23,991	27,37	-1,9072
140	140	164	DEAD	3,59	-19,84	21,451	21,85	0,7488
140	140	165	DEAD	7,06	-5,53	32,532	10,93	-0,2632
140	140	143	DEAD	13,69	-6,81	32,169	18,09	0,4829
140	140	142	STERR	1,731E-13	-7,854E-14	-63,525	2,23E-13	4,1926
140	140	164	STERR	1,536E-13	1,241E-13	89,247	1,412E-13	6,2997
140	140	165	STERR	5,339E-14	-2,02E-13	-2,05	2,333E-13	0,3495
140	140	143	STERR	-3,751E-14	-2,942E-13	-29,454	2,774E-13	-0,0728
140	140	142	SSOVRdx	-0,00812	-0,35	-40,073	0,35	6,1677
140	140	164	SSOVRdx	0,82	-0,13	-18,344	0,89	3,5362

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
140	140	165	SSOVRdx	0,71	-0,26	8,244	0,87	0,4374
140	140	143	SSOVRdx	-0,0283	-0,58	32,979	0,57	-0,5312
140	140	142	SSOVRsx	0,35	0,00812	49,927	0,35	-0,6783
140	140	164	SSOVRsx	0,13	-0,82	71,656	0,89	1,3691
140	140	165	SSOVRsx	0,26	-0,71	-81,756	0,87	-0,1484
140	140	143	SSOVRsx	0,58	0,0283	-57,021	0,57	0,1948
140	140	142	SW2	48,03	-41,26	30,419	77,4	-23,9891
140	140	164	SW2	-29,66	-47,46	67,119	41,53	9,4187
140	140	165	SW2	45,99	-31,44	-80,876	67,45	-3,3102
140	140	143	SW2	71,52	26,92	56,625	62,57	6,0737
141	141	144	DEAD	181,32	1,25	23,737	180,7	1,971
141	141	180	DEAD	253,45	30,56	15,923	239,63	-10,7173
141	141	181	DEAD	277,48	-21,85	22,957	289,02	-1,8411
141	141	145	DEAD	211,94	-57,74	29,284	245,94	1,3629
141	141	144	STERR	1,935E-12	3,454E-13	8,491	1,788E-12	-33,0422
141	141	180	STERR	2,81E-12	4,657E-13	10,663	2,608E-12	4,262
141	141	181	STERR	2,826E-12	5,984E-16	14,262	2,826E-12	-12,9491
141	141	145	STERR	1,945E-12	-1,129E-13	13,923	2,004E-12	-18,669
141	141	144	SSOVRdx	-2,46	-12,54	86,412	11,51	101,9215
141	141	180	SSOVRdx	-3,01	-15,1	88,848	13,84	113,6685
141	141	181	SSOVRdx	-0,07577	-14,56	86,758	14,52	61,3148
141	141	145	SSOVRdx	0,51	-12,04	84,467	12,3	59,392
141	141	144	SSOVRsx	12,54	2,46	-3,588	11,51	-129,5044
141	141	180	SSOVRsx	15,1	3,01	-1,152	13,84	-121,1624
141	141	181	SSOVRsx	14,56	0,07577	-3,242	14,52	-68,777
141	141	145	SSOVRsx	12,04	-0,51	-5,533	12,3	-70,4152
141	141	144	SW2	399,73	18,88	21,441	390,63	24,7923
141	141	180	SW2	658,5	59,55	18,471	630,83	-134,8055
141	141	181	SW2	720,89	-104,33	24,271	778,32	-23,1581
141	141	145	SW2	470,08	-152,96	28,093	562,38	17,1425
142	142	145	DEAD	184,69	-45,22	27,66	210,97	1,0565
142	142	181	DEAD	224,46	-2,83	17,631	225,89	-0,6619
142	142	182	DEAD	211,76	-28,55	14,248	227,39	5,812
142	142	146	DEAD	166,96	-65,9	23,899	207,9	-1,1224
142	142	145	STERR	1,973E-12	-2,057E-13	17,691	2,084E-12	-18,5248
142	142	181	STERR	2,679E-12	1,565E-13	4,701	2,604E-12	-14,9691
142	142	182	STERR	2,603E-12	-2,745E-13	5,397	2,75E-12	-10,205
142	142	146	STERR	1,895E-12	-6,345E-13	16,645	2,279E-12	-13,6706
142	142	145	SSOVRdx	0,47	-13,22	81,797	13,47	60,6058
142	142	181	SSOVRdx	-0,76	-18,12	86,329	17,75	60,271
142	142	182	SSOVRdx	1,19	-17,95	83,346	18,58	39,4076
142	142	146	SSOVRdx	2,56	-13,2	78,699	14,65	33,9046
142	142	145	SSOVRsx	13,22	-0,47	-8,203	13,47	-71,5429
142	142	181	SSOVRsx	18,12	0,76	-3,671	17,75	-68,9372
142	142	182	SSOVRsx	17,95	-1,19	-6,654	18,58	-44,7156
142	142	146	SSOVRsx	13,2	-2,56	-11,301	14,65	-41,6386
142	142	145	SW2	503,97	-237,85	32,533	656,06	13,2893
142	142	181	SW2	528,86	-24,8	15,822	541,68	-8,3261
142	142	182	SW2	522,99	-227,7	17,791	666,67	73,105
142	142	146	SW2	496,39	-439,03	30,556	810,6	-14,1183
143	143	146	DEAD	164,92	-53,58	20,824	197,25	-0,2011
143	143	182	DEAD	180,21	-56,24	21,717	213,94	6,069
143	143	183	DEAD	148,24	-111,33	13,871	225,56	-23,0523
143	143	147	DEAD	134,29	-110,02	12,529	211,93	-13,9281
143	143	146	STERR	1,813E-12	-4,787E-13	9,62	2,093E-12	-13,1022
143	143	182	STERR	3,048E-12	-5,118E-13	16,803	3,334E-12	-10,3627
143	143	183	STERR	2,57E-12	-1,327E-12	5,423	3,432E-12	-16,0351
143	143	147	STERR	1,552E-12	-1,512E-12	-4,524	2,654E-12	-13,0624
143	143	146	SSOVRdx	4,56	-8,99	70,099	11,94	29,6987
143	143	182	SSOVRdx	-0,87	-28,02	84,826	27,6	44,8967
143	143	183	SSOVRdx	-2,06	-30,36	74,704	29,38	-44,3891
143	143	147	SSOVRdx	5,97	-13,93	56,941	17,69	56,0652
143	143	146	SSOVRsx	8,99	-4,56	-19,901	11,94	-37,1492
143	143	182	SSOVRsx	28,02	0,87	-5,174	27,6	-50,1785
143	143	183	SSOVRsx	30,36	2,06	-15,296	29,38	32,4792
143	143	147	SSOVRsx	13,93	-5,97	-33,059	17,69	-64,1895
143	143	146	SW2	635,28	-305,88	23,856	831,54	-2,5296
143	143	182	SW2	753,04	-545,19	32,413	1129,09	76,3382
143	143	183	SW2	305,91	-1276,99	16,143	1454,28	-289,9587
143	143	147	SW2	308,16	-1157,69	7,246	1338,64	-175,1921

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
144	144	147	DEAD	107,3	-108,29	9,237	186,71	-13,6456
144	144	183	DEAD	112,4	-100,7	1,105	184,64	-24,0538
144	144	184	DEAD	128,94	-19	-2,32	139,41	5,5923
144	144	148	DEAD	122,17	-24,92	9,549	136,35	0,357
144	144	147	STERR	1,45E-12	-1,567E-12	-7,207	2,613E-12	-10,9571
144	144	183	STERR	1,244E-12	-1,788E-12	-14,785	2,639E-12	-23,4322
144	144	184	STERR	1,454E-12	-2,815E-13	-15,369	1,614E-12	-3,0416
144	144	148	STERR	1,691E-12	-9,117E-14	-2,286	1,739E-12	-4,6817
144	144	147	SSOVRdx	4,49	-17,19	60,587	19,81	12,9676
144	144	183	SSOVRdx	10,49	-3,81	41,585	12,83	107,3288
144	144	184	SSOVRdx	4,85	-0,63	26,18	5,19	31,7675
144	144	148	SSOVRdx	-1,12	-14,04	68,921	13,51	43,4643
144	144	147	SSOVRsx	17,19	-4,49	-29,413	19,81	-19,2871
144	144	183	SSOVRsx	3,81	-10,49	-48,415	12,83	-125,5937
144	144	184	SSOVRsx	0,63	-4,85	-63,82	5,19	-32,4105
144	144	148	SSOVRsx	14,04	1,12	-21,079	13,51	-46,3023
144	144	147	SW2	222,51	-1146,85	-0,142	1272,78	-171,6388
144	144	183	SW2	200,28	-1229,51	-12,328	1340,91	-302,5567
144	144	184	SW2	549,99	-367,68	-28,8	799,94	70,3421
144	144	148	SW2	439,29	-152,08	-9,122	531,89	4,4901
145	145	148	DEAD	77,53	-32,8	9,761	98,13	-1,1659
145	145	184	DEAD	96	-30,25	10,414	114,17	5,0757
145	145	185	DEAD	101,03	-18,89	13,382	111,68	-1,2434
145	145	149	DEAD	82,46	-21,34	13,147	94,94	3,0883
145	145	148	STERR	1,095E-12	-2,198E-13	-5,157	1,22E-12	-4,5487
145	145	184	STERR	1,295E-12	-1,928E-13	6,89	1,401E-12	-4,2665
145	145	185	STERR	1,347E-12	-1,787E-13	11,716	1,445E-12	-2,8352
145	145	149	STERR	1,096E-12	-1,536E-13	0,392	1,18E-12	0,8147
145	145	148	SSOVRdx	-0,72	-8,75	68,048	8,42	38,58
145	145	184	SSOVRdx	-1	-7,83	70,797	7,39	37,5809
145	145	185	SSOVRdx	0,75	-7,06	77,114	7,47	12,6008
145	145	149	SSOVRdx	0,94	-7,9	73,85	8,41	10,2713
145	145	148	SSOVRsx	8,75	0,72	-21,952	8,42	-41,1588
145	145	184	SSOVRsx	7,83	1	-19,203	7,39	-39,2898
145	145	185	SSOVRsx	7,06	-0,75	-12,886	7,47	-13,7817
145	145	149	SSOVRsx	7,9	-0,94	-16,15	8,41	-10,4719
145	145	148	SW2	154,32	-238,57	-18,473	342,86	-14,6645
145	145	184	SW2	181,74	-186,89	2,898	319,25	63,844
145	145	185	SW2	252,78	-84,59	20,939	304,03	-15,6395
145	145	149	SW2	146,65	-57,57	-6,824	182,38	38,8462
146	146	149	DEAD	62,12	-37,31	23,091	87	3,1001
146	146	185	DEAD	63,04	-24,08	13,019	77,92	-1,1567
146	146	186	DEAD	64,21	-32,51	15,378	85,25	6,0885
146	146	150	DEAD	64,25	-46,71	24,195	96,49	-0,1384
146	146	149	STERR	1,019E-12	-5,491E-13	26,715	1,378E-12	1,0966
146	146	185	STERR	1,194E-12	-1,36E-13	2,111	1,267E-12	-4,3213
146	146	186	STERR	1,152E-12	-9,107E-13	12,43	1,79E-12	-28,9751
146	146	150	STERR	1,081E-12	-1,429E-12	26,951	2,181E-12	-25,1053
146	146	149	SSOVRdx	0,84	-9,01	73,587	9,45	14,0083
146	146	185	SSOVRdx	-0,64	-13,17	82,025	12,85	7,781
146	146	186	SSOVRdx	1,69	-12,91	80,254	13,83	-21,6062
146	146	150	SSOVRdx	3,25	-8,83	72,952	10,82	-22,2173
146	146	149	SSOVRsx	9,01	-0,84	-16,413	9,45	-13,9194
146	146	185	SSOVRsx	13,17	0,64	-7,975	12,85	-10,1744
146	146	186	SSOVRsx	12,91	-1,69	-9,746	13,83	-4,4352
146	146	150	SSOVRsx	8,83	-3,25	-17,048	10,82	-1,372
146	146	149	SW2	210,53	-213,52	35,57	367,24	38,9936
146	146	185	SW2	109,24	-67,45	9,568	154,44	-14,5496
146	146	186	SW2	128,7	-227,86	21,486	312,74	76,5831
146	146	150	SW2	243,17	-387,11	34,248	550,56	-1,741
147	147	150	DEAD	64,86	-45,51	23,639	96,07	1,3312
147	147	186	DEAD	71,72	-58,79	28,625	113,21	6,5268
147	147	187	DEAD	41,71	-122,5	17,933	147,84	-19,213
147	147	151	DEAD	39,34	-113,72	13,091	137,67	-11,382
147	147	150	STERR	1,485E-12	-1,152E-12	21,438	2,29E-12	-24,9279
147	147	186	STERR	2,885E-12	-1,925E-12	30,375	4,194E-12	-26,6987
147	147	187	STERR	1,146E-12	-4,591E-12	11,416	5,258E-12	-89,1688
147	147	151	STERR	4,001E-13	-4,472E-12	-1,04	4,685E-12	-46,1924
147	147	150	SSOVRdx	7,25	-4,26	55,929	10,08	-28,6184
147	147	186	SSOVRdx	-1,08	-26,38	83,24	25,85	-12,0142

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
147	147	187	SSOVRdx	-3,47	-31,12	67,93	29,53	-139,8809
147	147	151	SSOVRdx	9,95	-14,08	44,445	20,91	8,252
147	147	150	SSOVRsx	4,26	-7,25	-34,071	10,08	4,9501
147	147	186	SSOVRsx	26,38	1,08	-6,76	25,85	-12,139
147	147	187	SSOVRsx	31,12	3,47	-22,07	29,53	65,2341
147	147	151	SSOVRsx	14,08	-9,95	-45,555	20,91	-48,0786
147	147	150	SW2	386,21	-295,7	27,694	592,28	16,7446
147	147	186	SW2	495,43	-585,69	37,856	937,36	82,0965
147	147	187	SW2	52,72	-1336,96	20,056	1364,09	-241,6669
147	147	151	SW2	74,26	-1177,72	9,531	1216,55	-143,1661
148	148	151	DEAD	28,22	-109,01	7,065	125,52	-12,2441
148	148	187	DEAD	13,23	-110,03	-3,361	117,2	-16,1983
148	148	188	DEAD	35,41	-33,14	-17,351	59,38	6,1627
148	148	152	DEAD	42,95	-24,67	3,782	59,27	1,5708
148	148	151	STERR	6,476E-13	-4,64E-12	-10,706	4,995E-12	-39,2183
148	148	187	STERR	-9,24E-13	-5,44E-12	-21,138	5,042E-12	-113,6954
148	148	188	STERR	6,655E-13	-2,076E-12	-44,593	2,476E-12	-28,8249
148	148	152	STERR	1,631E-12	-6,696E-13	-22,617	2,049E-12	-31,2092
148	148	151	SSOVRdx	6,62	-16,36	49,096	20,49	-45,8486
148	148	187	SSOVRdx	18,63	-2,2	23,57	19,82	50,6941
148	148	188	SSOVRdx	15,24	0,86	-0,176	14,83	-10,061
148	148	152	SSOVRdx	-1,03	-9,03	56,251	8,56	5,4826
148	148	151	SSOVRsx	16,36	-6,62	-40,904	20,49	11,9033
148	148	187	SSOVRsx	2,2	-18,63	-66,43	19,82	-146,0327
148	148	188	SSOVRsx	-0,86	-15,24	89,824	14,83	-15,9215
148	148	152	SSOVRsx	9,03	1,03	-33,749	8,56	-34,4721
148	148	151	SW2	49,14	-1141,58	0,261	1166,92	-154,0103
148	148	187	SW2	-106,79	-1250,99	-13,812	1201,16	-203,7477
148	148	188	SW2	349,01	-496,4	-37,919	735,85	77,5162
148	148	152	SW2	296,01	-178,04	-17,977	414,76	19,7577
149	149	152	DEAD	7,25	-31,96	5,92	36,13	0,0814
149	149	188	DEAD	15,33	-31,55	10,044	41,41	6,1756
149	149	189	DEAD	22,44	-18,52	20,83	35,53	-0,4339
149	149	153	DEAD	13,45	-18,01	18,77	27,34	0,956
149	149	152	STERR	2,354E-13	-9,95E-13	-33,703	1,131E-12	-29,8073
149	149	188	STERR	-1,117E-13	-7,824E-13	-27,582	7,329E-13	-32,9349
149	149	189	STERR	-1,079E-13	-2,002E-13	47,321	1,736E-13	-8,504
149	149	153	STERR	1,633E-13	-3,37E-13	-40,276	4,419E-13	-3,1126
149	149	152	SSOVRdx	0,11	-3,26	31,315	3,32	-0,4173
149	149	188	SSOVRdx	2,23	-2,14	16,009	3,79	-3,3189
149	149	189	SSOVRdx	2,63	0,42	19,215	2,45	-0,1244
149	149	153	SSOVRdx	0,96	-1,14	50,807	1,82	-0,9725
149	149	152	SSOVRsx	3,26	-0,11	-58,685	3,32	-27,0879
149	149	188	SSOVRsx	2,14	-2,23	-73,991	3,79	-26,0896
149	149	189	SSOVRsx	-0,42	-2,63	-70,785	2,45	-6,7932
149	149	153	SSOVRsx	1,14	-0,96	-39,193	1,82	-3,0975
149	149	152	SW2	34,4	-294,01	-33,148	312,63	1,0234
149	149	188	SW2	-15,53	-200,41	-14,683	193,12	77,6787
149	149	189	SW2	45,82	-62,2	37,467	93,91	-5,4573
149	149	153	SW2	22,85	-82,88	-45,278	96,36	12,0245
150	150	153	DEAD	10,04	-20,93	23,991	27,37	1,9072
150	150	189	DEAD	3,59	-19,84	21,451	21,85	-0,7488
150	150	190	DEAD	7,06	-5,53	32,532	10,93	0,2632
150	150	154	DEAD	13,69	-6,81	32,169	18,09	-0,4829
150	150	153	STERR	6,239E-14	-1,557E-13	25,744	1,945E-13	-4,1926
150	150	189	STERR	-1,017E-13	-1,397E-13	-6,216	1,251E-13	-6,2997
150	150	190	STERR	1,803E-13	-3,912E-14	86,742	2,027E-13	-0,3495
150	150	154	STERR	2,626E-13	2,661E-14	60,172	2,504E-13	0,0728
150	150	153	SSOVRdx	0,35	0,00812	49,927	0,35	0,6783
150	150	189	SSOVRdx	0,13	-0,82	71,656	0,89	-1,3691
150	150	190	SSOVRdx	0,26	-0,71	-81,756	0,87	0,1484
150	150	154	SSOVRdx	0,58	0,0283	-57,021	0,57	-0,1948
150	150	153	SSOVRsx	-0,00812	-0,35	-40,073	0,35	-6,1677
150	150	189	SSOVRsx	0,82	-0,13	-18,344	0,89	-3,5362
150	150	190	SSOVRsx	0,71	-0,26	8,244	0,87	-0,4374
150	150	154	SSOVRsx	-0,0283	-0,58	32,979	0,57	0,5312
150	150	153	SW2	48,03	-41,26	30,419	77,4	23,9891
150	150	189	SW2	-29,66	-47,46	67,119	41,53	-9,4187
150	150	190	SW2	45,99	-31,44	-80,876	67,45	3,3102
150	150	154	SW2	71,52	26,92	56,625	62,57	-6,0737

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
151	151	155	DEAD	253,45	30,56	15,923	239,63	10,7173
151	151	191	DEAD	417,6	77,48	6,99	384,76	28,2644
151	151	192	DEAD	409,55	10,11	8,898	404,59	-0,1144
151	151	156	DEAD	247,67	-39,08	16,659	269,34	0,3433
151	151	155	STERR	-4,885E-13	-2,971E-12	-79,138	2,76E-12	-4,262
151	151	191	STERR	-8,868E-13	-4,458E-12	-88,103	4,087E-12	-51,6989
151	151	192	STERR	-8,233E-14	-4,309E-12	-86,72	4,268E-12	20,9225
151	151	156	STERR	3,292E-13	-2,836E-12	-79,194	3,014E-12	12,6029
151	151	155	SSOVRdx	15,1	3,01	-1,152	13,84	121,1624
151	151	191	SSOVRdx	17,85	3,57	0,683	16,36	98,3921
151	151	192	SSOVRdx	17,03	-0,51	0,286	17,29	77,423
151	151	156	SSOVRdx	14,28	-1,06	-1,215	14,84	68,7816
151	151	155	SSOVRsx	-3,01	-15,1	88,848	13,84	-113,6685
151	151	191	SSOVRsx	-3,57	-17,85	-89,317	16,36	-117,2484
151	151	192	SSOVRsx	0,51	-17,03	-89,714	17,29	-65,4709
151	151	156	SSOVRsx	1,06	-14,28	88,785	14,84	-61,5074
151	151	155	SW2	658,5	59,55	18,471	630,83	134,8055
151	151	191	SW2	1138,28	226,44	1,91	1043,65	355,5188
151	151	192	SW2	1111,33	59,03	4,492	1083,02	-1,439
151	151	156	SW2	644,23	-120,55	18,655	712,2	4,3181
152	152	156	DEAD	201,86	-27,27	9,385	216,79	-0,8359
152	152	192	DEAD	195,89	-24,68	6,63	209,32	3,557
152	152	193	DEAD	195,57	-15,21	4,139	203,6	-5,5108
152	152	157	DEAD	200,63	-16,89	7,117	209,59	2,2191
152	152	156	STERR	2,231E-13	-2,714E-12	-88,315	2,832E-12	14,6229
152	152	192	STERR	2,084E-13	-2,997E-12	-83,795	3,106E-12	12,4125
152	152	193	STERR	2,92E-13	-2,983E-12	-83,7	3,139E-12	10,3408
152	152	157	STERR	3,055E-13	-2,698E-12	-88,109	2,863E-12	11,9815
152	152	156	SSOVRdx	17,83	-0,37	-1,944	18,02	68,9418
152	152	192	SSOVRdx	16,39	-0,63	0,1	16,72	75,364
152	152	193	SSOVRdx	16,13	-2,02	1,542	17,23	35,0426
152	152	157	SSOVRdx	17,54	-1,72	-0,471	18,46	45,0056
152	152	156	SSOVRsx	0,37	-17,83	88,056	18,02	-60,4636
152	152	192	SSOVRsx	0,63	-16,39	-89,9	16,72	-68,1859
152	152	193	SSOVRsx	2,02	-16,13	-88,458	17,23	-29,2807
152	152	157	SSOVRsx	1,72	-17,54	89,529	18,46	-38,7104
152	152	156	SW2	480,7	-69,53	7,132	518,97	-10,5139
152	152	192	SW2	605,88	-78,99	13,482	648,99	44,7405
152	152	193	SW2	584,64	-229,91	13,546	727,38	-69,316
152	152	157	SW2	458,02	-219	8,413	598,37	27,912
153	153	157	DEAD	161,8	-37,3	15,307	183,31	1,962
153	153	193	DEAD	123,43	-33,63	9,664	143,23	-4,316
153	153	194	DEAD	138,93	41,17	12,91	123,6	-25,3922
153	153	158	DEAD	179,54	35,27	19,807	164,76	-23,8912
153	153	157	STERR	4,951E-13	-3,043E-12	-75,602	3,319E-12	12,1393
153	153	193	STERR	5,455E-13	-1,665E-12	-83,189	1,995E-12	10,0968
153	153	194	STERR	-6,889E-13	-1,941E-12	-77,868	1,704E-12	6,4598
153	153	158	STERR	-6,813E-13	-3,377E-12	-70,478	3,093E-12	5,7977
153	153	157	SSOVRdx	27,65	0,29	-0,825	27,5	50,4685
153	153	193	SSOVRdx	8,3	-3,91	8,71	10,8	29,3444
153	153	194	SSOVRdx	10,49	-3,14	22,386	12,36	78,6198
153	153	158	SSOVRdx	28,39	2,5	5,746	27,23	-34,4953
153	153	157	SSOVRsx	-0,29	-27,65	89,175	27,5	-44,1994
153	153	193	SSOVRsx	3,91	-8,3	-81,29	10,8	-23,6046
153	153	194	SSOVRsx	3,14	-10,49	-67,614	12,36	-73,949
153	153	158	SSOVRsx	-2,5	-28,39	-84,254	27,23	40,7069
153	153	157	SW2	628,13	-476,55	28,867	959,68	24,6788
153	153	193	SW2	-3,07	-428,81	30,932	427,29	-54,2876
153	153	194	SW2	606,18	39,63	78,016	587,37	-319,3913
153	153	158	SW2	1014,25	215,02	49,634	925,67	-300,5112
154	154	158	DEAD	143,09	46,52	-6,165	126,42	-22,8896
154	154	194	DEAD	110,49	41,31	1,047	96,69	-25,9149
154	154	195	DEAD	97,45	-24,57	-1,91	111,77	-2,3735
154	154	159	DEAD	130,47	-19,78	-6,008	141,4	1,1411
154	154	158	STERR	-5,866E-13	-1,738E-12	72,269	1,532E-12	13,1948
154	154	194	STERR	-7,657E-13	-2,158E-12	-81,931	1,895E-12	2,9441
154	154	195	STERR	2,044E-13	-1,931E-12	-89,649	2,041E-12	7,2797
154	154	159	STERR	4,45E-13	-1,573E-12	74,673	1,836E-12	4,7206
154	154	158	SSOVRdx	-1,4	-6,8	48,658	6,22	123,5776
154	154	194	SSOVRdx	20,02	-0,64	15,524	20,35	5,0538

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
154	154	195	SSOVRdx	19,49	3,81	7,9	17,89	57,2771
154	154	159	SSOVRdx	-0,41	-3,87	-81,313	3,68	32,7004
154	154	158	SSOVRsx	6,8	1,4	-41,342	6,22	-111,0109
154	154	194	SSOVRsx	0,64	-20,02	-74,476	20,35	-3,3664
154	154	195	SSOVRsx	-3,81	-19,49	-82,1	17,89	-53,4562
154	154	159	SSOVRsx	3,87	0,41	8,687	3,68	-31,1111
154	154	158	SW2	922,71	248,41	-52,191	826,98	-287,9132
154	154	194	SW2	580,44	0,04171	-82,621	580,42	-325,9653
154	154	195	SW2	-87,07	-369,65	-31,28	334,72	-29,8543
154	154	159	SW2	526,92	-392,99	-27,639	799,48	14,3528
155	155	159	DEAD	93,37	-26,87	6,142	109,32	1,6577
155	155	195	DEAD	116,08	-20,97	-2,395	127,85	-4,5447
155	155	196	DEAD	121,23	6,08	-0,843	118,3	4,3779
155	155	160	DEAD	100,23	-1,52	9,653	101	-1,9837
155	155	159	STERR	3,441E-13	-1,318E-12	-84,65	1,52E-12	5,9455
155	155	195	STERR	1,528E-13	-2,427E-12	82,858	2,507E-12	5,0046
155	155	196	STERR	-2,815E-13	-2,49E-12	84,642	2,361E-12	7,7903
155	155	160	STERR	-3,129E-14	-1,439E-12	-78,841	1,424E-12	1,5298
155	155	159	SSOVRdx	7,12	1,65	-4,968	6,46	39,5797
155	155	195	SSOVRdx	11,73	2,62	0,101	10,67	49,5396
155	155	196	SSOVRdx	11,24	0,04537	-2,144	11,21	9,0844
155	155	160	SSOVRdx	6,68	-0,98	-6,851	7,22	13,6258
155	155	159	SSOVRsx	-1,65	-7,12	85,032	6,46	-36,9245
155	155	195	SSOVRsx	-2,62	-11,73	-89,899	10,67	-47,1885
155	155	196	SSOVRsx	-0,04537	-11,24	87,856	11,21	-5,5536
155	155	160	SSOVRsx	0,98	-6,68	83,149	7,22	-13,2006
155	155	159	SW2	174,69	-228,22	3,99	349,95	20,8509
155	155	195	SW2	417,49	-219,68	-13,614	560,6	-57,1641
155	155	196	SW2	458,88	63,52	-13,829	430,64	55,066
155	155	160	SW2	258,23	12,82	20,958	252,07	-24,9515
156	156	160	DEAD	62,55	-7,03	7,447	66,34	-2,0703
156	156	196	DEAD	83,72	-4,2	9,39	85,9	4,5514
156	156	197	DEAD	81,76	-19,58	10,344	93,1	-6,3334
156	156	161	DEAD	60,48	-22,3	8,927	74,19	0,291
156	156	160	STERR	-5,107E-14	-1,222E-12	89,745	1,197E-12	3,0159
156	156	196	STERR	1,54E-14	-1,812E-12	-73,139	1,82E-12	4,5986
156	156	197	STERR	1,091E-12	-1,662E-12	-74,043	2,402E-12	42,9175
156	156	161	STERR	9,937E-13	-1,041E-12	-83,89	1,762E-12	32,5654
156	156	160	SSOVRdx	12,89	0,31	-4,244	12,74	10,0185
156	156	196	SSOVRdx	11,32	0,07329	-1,43	11,29	13,6516
156	156	197	SSOVRdx	10,89	-2,08	0,733	12,06	-2,7119
156	156	161	SSOVRdx	12,41	-1,79	-1,945	13,39	4,7467
156	156	160	SSOVRsx	-0,31	-12,89	85,756	12,74	-8,3808
156	156	196	SSOVRsx	-0,07329	-11,32	88,57	11,29	-12,6421
156	156	197	SSOVRsx	2,08	-10,89	-89,267	12,06	39,7497
156	156	161	SSOVRsx	1,79	-12,41	88,055	13,39	23,3856
156	156	160	SW2	121,53	23,12	-0,973	111,78	-26,0415
156	156	196	SW2	363,11	4,51	23,234	360,88	57,2492
156	156	197	SW2	329,12	-239,71	20,256	494,64	-79,6631
156	156	161	SW2	84,74	-218,29	10,256	270,8	3,6606
157	157	161	DEAD	63,86	-44,46	26,137	94,31	-0,1473
157	157	197	DEAD	12,13	-40,02	24,102	47,27	-4,3318
157	157	198	DEAD	49,25	12,03	65,773	44,47	-27,7895
157	157	162	DEAD	91,77	16,8	42,382	84,63	-24,8109
157	157	161	STERR	2,047E-12	-2,703E-12	-60,133	4,127E-12	30,289
157	157	197	STERR	2,761E-12	8,708E-13	-37,894	2,444E-12	47,5173
157	157	198	STERR	1,379E-12	-2,648E-12	-11,06	3,545E-12	53,4756
157	157	162	STERR	-8,347E-13	-4,722E-12	-38,514	4,365E-12	63,2731
157	157	161	SSOVRdx	25,97	0,89	-2,292	25,53	12,4505
157	157	197	SSOVRdx	2,54	-4,62	18,603	6,28	-11,3638
157	157	198	SSOVRdx	6,33	-6,98	34,552	11,53	74,0423
157	157	162	SSOVRdx	26,54	1,74	7,125	25,72	-67,2175
157	157	161	SSOVRsx	-0,89	-25,97	87,708	25,53	13,7936
157	157	197	SSOVRsx	4,62	-2,54	-71,397	6,28	51,6322
157	157	198	SSOVRsx	6,98	-6,33	-55,448	11,53	-24,6377
157	157	162	SSOVRsx	-1,74	-26,54	-82,875	25,72	126,8754
157	157	161	SW2	415,57	-540,23	36,176	830,08	-1,8527
157	157	197	SW2	-196,12	-587,94	56,243	518,49	-54,4861
157	157	198	SW2	596,34	-303,66	82,301	793,04	-349,5453
157	157	162	SW2	924,32	27,77	59,26	910,76	-312,0796

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
158	158	162	DEAD	64,37	28,18	-48,038	55,89	-27,8256
158	158	198	DEAD	41,24	6,16	-82,677	38,53	-26,3546
158	158	199	DEAD	-4,54	-30,46	-17,942	28,46	-5,8512
158	158	163	DEAD	38,25	-28,09	-19,811	57,68	0,0013
158	158	162	STERR	2,414E-13	-3,138E-12	19,24	3,266E-12	87,7997
158	158	198	STERR	8,268E-13	-2,618E-12	5,423	3,114E-12	42,0739
158	158	199	STERR	1,961E-12	6,881E-13	35,284	1,723E-12	56,2872
158	158	163	STERR	2,108E-12	-5,653E-13	48,373	2,44E-12	32,5041
158	158	162	SSOVRdx	-4,27	-18,45	67,321	16,73	144,0494
158	158	198	SSOVRdx	17,05	-2,84	21,25	18,63	-24,3327
158	158	199	SSOVRdx	16,63	4,99	16,685	14,78	55,3742
158	158	163	SSOVRdx	-0,04842	-15,27	84,203	15,24	16,2107
158	158	162	SSOVRsx	18,45	4,27	-22,679	16,73	-63,6995
158	158	198	SSOVRsx	2,84	-17,05	-68,75	18,63	64,1119
158	158	199	SSOVRsx	-4,99	-16,63	-73,315	14,78	-7,4668
158	158	163	SSOVRsx	15,27	0,04842	-5,797	15,24	11,9184
158	158	162	SW2	837,66	40,87	-63,392	817,99	-349,9989
158	158	198	SW2	582,5	-334,17	-84,093	803,51	-331,496
158	158	199	SW2	-233,84	-571,18	-62,659	497,35	-73,5986
158	158	163	SW2	292,52	-467,33	-36,383	663,82	0,0163
159	159	163	DEAD	16,25	-24,59	9,151	35,61	-0,0116
159	159	199	DEAD	16,53	-23,68	-5,145	35	-6,8844
159	159	200	DEAD	21,01	0,2	-3,457	20,91	2,6655
159	159	164	DEAD	23,25	-3,23	20,688	25,02	-1,2799
159	159	163	STERR	8,73E-13	2,744E-13	82,365	7,732E-13	36,614
159	159	199	STERR	8,988E-13	-1,078E-13	72,034	9,573E-13	49,993
159	159	200	STERR	-3,343E-14	-3,509E-13	47,851	3,354E-13	7,9295
159	159	164	STERR	1,046E-13	-1,325E-13	-14,812	2,058E-13	7,4759
159	159	163	SSOVRdx	2,49	-1,79	85,627	3,73	26,3788
159	159	199	SSOVRdx	4,03	0,72	58,742	3,73	43,7882
159	159	200	SSOVRdx	1,4	-0,53	28,276	1,72	1,6612
159	159	164	SSOVRdx	-0,7	-2,49	-78,699	2,22	6,716
159	159	163	SSOVRsx	1,79	-2,49	-4,373	3,73	5,1763
159	159	199	SSOVRsx	-0,72	-4,03	-31,258	3,73	-0,6169
159	159	200	SSOVRsx	0,53	-1,4	-61,724	1,72	2,8919
159	159	164	SSOVRsx	2,49	0,7	11,301	2,22	-0,4028
159	159	163	SW2	-31,96	-211,4	0,531	197,37	-0,1461
159	159	199	SW2	24,66	-249,89	-22,886	263,09	-86,5946
159	159	200	SW2	99,19	-29,86	-46,083	117,01	33,5275
159	159	164	SW2	62,15	-10,95	51,711	68,29	-16,0987
160	160	164	DEAD	4,4	-4,54	22,039	7,74	-0,9649
160	160	200	DEAD	10	-3,24	16,824	11,96	2,4016
160	160	201	DEAD	10,23	-4,02	18,479	12,72	-0,7688
160	160	165	DEAD	4,7	-5,38	23,836	8,73	0,5619
160	160	164	STERR	6,954E-14	-1,213E-13	2,401	1,673E-13	5,2717
160	160	200	STERR	-1,305E-13	-2,848E-13	-54,895	2,469E-13	11,9162
160	160	201	STERR	5,482E-14	-2,547E-13	-64,627	2,861E-13	-1,237
160	160	165	STERR	1,275E-13	3,62E-14	-29,679	1,138E-13	0,8382
160	160	164	SSOVRdx	0,71	-0,15	4,119	0,8	3,459
160	160	200	SSOVRdx	-0,38	-1,25	-67,074	1,11	6,0095
160	160	201	SSOVRdx	0,02803	-1,3	-64,695	1,32	-0,3304
160	160	165	SSOVRdx	0,8	0,12	-12,174	0,74	0,471
160	160	164	SSOVRsx	0,15	-0,71	-85,881	0,8	0,842
160	160	200	SSOVRsx	1,25	0,38	22,926	1,11	1,8266
160	160	201	SSOVRsx	1,3	-0,02803	25,305	1,32	-0,2516
160	160	165	SSOVRsx	-0,12	-0,8	77,826	0,74	0,1066
160	160	164	SW2	25,72	-35,27	-80,206	53,04	-12,1373
160	160	200	SW2	85,76	31,46	30,064	75,15	30,2078
160	160	201	SW2	85,61	-14,55	27,371	93,74	-9,6706
160	160	165	SW2	-12,73	-42,98	75,953	38,24	7,068
161	161	180	DEAD	253,45	30,56	15,923	239,63	-10,7173
161	161	202	DEAD	417,6	77,48	6,99	384,76	-28,2644
161	161	203	DEAD	409,55	10,11	8,898	404,59	0,1144
161	161	181	DEAD	247,67	-39,08	16,659	269,34	-0,3433
161	161	180	STERR	2,81E-12	4,657E-13	10,663	2,608E-12	4,262
161	161	202	STERR	4,191E-12	8,345E-13	1,765	3,843E-12	51,6989
161	161	203	STERR	4,05E-12	7,344E-14	3,126	4,013E-12	-20,9225
161	161	181	STERR	2,68E-12	-3,073E-13	10,586	2,846E-12	-12,6029
161	161	180	SSOVRdx	-3,01	-15,1	88,848	13,84	113,6685
161	161	202	SSOVRdx	-3,57	-17,85	-89,317	16,36	117,2484

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
161	161	203	SSOVRdx	0,51	-17,03	-89,714	17,29	65,4709
161	161	181	SSOVRdx	1,06	-14,28	88,785	14,84	61,5074
161	161	180	SSOVRsx	15,1	3,01	-1,152	13,84	-121,1624
161	161	202	SSOVRsx	17,85	3,57	0,683	16,36	-98,3921
161	161	203	SSOVRsx	17,03	-0,51	0,286	17,29	-77,423
161	161	181	SSOVRsx	14,28	-1,06	-1,215	14,84	-68,7816
161	161	180	SW2	658,5	59,55	18,471	630,83	-134,8055
161	161	202	SW2	1138,28	226,44	1,91	1043,65	-355,5188
161	161	203	SW2	1111,33	59,03	4,492	1083,02	1,439
161	161	181	SW2	644,23	-120,55	18,655	712,2	-4,3181
162	162	181	DEAD	201,86	-27,27	9,385	216,79	0,8359
162	162	203	DEAD	195,89	-24,68	6,63	209,32	-3,557
162	162	204	DEAD	195,57	-15,21	4,139	203,6	5,5108
162	162	182	DEAD	200,63	-16,89	7,117	209,59	-2,2191
162	162	181	STERR	2,588E-12	-2,069E-13	1,452	2,697E-12	-14,6229
162	162	203	STERR	2,839E-12	-1,965E-13	6,168	2,943E-12	-12,4125
162	162	204	STERR	2,825E-12	-2,863E-13	6,327	2,978E-12	-10,3408
162	162	182	STERR	2,571E-12	-2,949E-13	1,745	2,731E-12	-11,9815
162	162	181	SSOVRdx	0,37	-17,83	88,056	18,02	60,4636
162	162	203	SSOVRdx	0,63	-16,39	-89,9	16,72	68,1859
162	162	204	SSOVRdx	2,02	-16,13	-88,458	17,23	29,2807
162	162	182	SSOVRdx	1,72	-17,54	89,529	18,46	38,7104
162	162	181	SSOVRsx	17,83	-0,37	-1,944	18,02	-68,9418
162	162	203	SSOVRsx	16,39	-0,63	0,1	16,72	-75,364
162	162	204	SSOVRsx	16,13	-2,02	1,542	17,23	-35,0426
162	162	182	SSOVRsx	17,54	-1,72	-0,471	18,46	-45,0056
162	162	181	SW2	480,7	-69,53	7,132	518,97	10,5139
162	162	203	SW2	605,88	-78,99	13,482	648,99	-44,7405
162	162	204	SW2	584,64	-229,91	13,546	727,38	69,316
162	162	182	SW2	458,02	-219	8,413	598,37	-27,912
163	163	182	DEAD	161,8	-37,3	15,307	183,31	-1,962
163	163	204	DEAD	123,43	-33,63	9,664	143,23	4,316
163	163	205	DEAD	138,93	41,17	12,91	123,6	25,3922
163	163	183	DEAD	179,54	35,27	19,807	164,76	23,8912
163	163	182	STERR	2,943E-12	-4,59E-13	14,082	3,198E-12	-12,1393
163	163	204	STERR	1,554E-12	-5,317E-13	6,941	1,877E-12	-10,0968
163	163	205	STERR	1,821E-12	6,388E-13	12,776	1,6E-12	-6,4598
163	163	183	STERR	3,262E-12	6,593E-13	19,179	2,988E-12	-5,7977
163	163	182	SSOVRdx	-0,29	-27,65	89,175	27,5	44,1994
163	163	204	SSOVRdx	3,91	-8,3	-81,29	10,8	23,6046
163	163	205	SSOVRdx	3,14	-10,49	-67,614	12,36	73,949
163	163	183	SSOVRdx	-2,5	-28,39	-84,254	27,23	-40,7069
163	163	182	SSOVRsx	27,65	0,29	-0,825	27,5	-50,4685
163	163	204	SSOVRsx	8,3	-3,91	8,71	10,8	-29,3444
163	163	205	SSOVRsx	10,49	-3,14	22,386	12,36	-78,6198
163	163	183	SSOVRsx	28,39	2,5	5,746	27,23	34,4953
163	163	182	SW2	628,13	-476,55	28,867	959,68	-24,6788
163	163	204	SW2	-3,07	-428,81	30,932	427,29	54,2876
163	163	205	SW2	606,18	39,63	78,016	587,37	319,3913
163	163	183	SW2	1014,25	215,02	49,634	925,67	300,5112
164	164	183	DEAD	143,09	46,52	-6,165	126,42	22,8896
164	164	205	DEAD	110,49	41,31	1,047	96,69	25,9149
164	164	206	DEAD	97,45	-24,57	-1,91	111,77	2,3735
164	164	184	DEAD	130,47	-19,78	-6,008	141,4	-1,1411
164	164	183	STERR	1,592E-12	5,433E-13	-17,914	1,402E-12	-13,1948
164	164	205	STERR	2,07E-12	7,236E-13	8,393	1,82E-12	-2,9441
164	164	206	STERR	1,856E-12	-1,777E-13	0,415	1,951E-12	-7,2797
164	164	184	STERR	1,444E-12	-4,242E-13	-15,703	1,696E-12	-4,7206
164	164	183	SSOVRdx	6,8	1,4	-41,342	6,22	111,0109
164	164	205	SSOVRdx	0,64	-20,02	-74,476	20,35	3,3664
164	164	206	SSOVRdx	-3,81	-19,49	-82,1	17,89	53,4562
164	164	184	SSOVRdx	3,87	0,41	8,687	3,68	31,1111
164	164	183	SSOVRsx	-1,4	-6,8	48,658	6,22	-123,5776
164	164	205	SSOVRsx	20,02	-0,64	15,524	20,35	-5,0538
164	164	206	SSOVRsx	19,49	3,81	7,9	17,89	-57,2771
164	164	184	SSOVRsx	-0,41	-3,87	-81,313	3,68	-32,7004
164	164	183	SW2	922,71	248,41	-52,191	826,98	287,9132
164	164	205	SW2	580,44	0,04171	-82,621	580,42	325,9653
164	164	206	SW2	-87,07	-369,65	-31,28	334,72	29,8543
164	164	184	SW2	526,92	-392,99	-27,639	799,48	-14,3528

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
165	165	184	DEAD	93,37	-26,87	6,142	109,32	-1,6577
165	165	206	DEAD	116,08	-20,97	-2,395	127,85	4,5447
165	165	207	DEAD	121,23	6,08	-0,843	118,3	-4,3779
165	165	185	DEAD	100,23	-1,52	9,653	101	1,9837
165	165	184	STERR	1,259E-12	-3,107E-13	4,918	1,44E-12	-5,9455
165	165	206	STERR	2,303E-12	-1,323E-13	-7,063	2,372E-12	-5,0046
165	165	207	STERR	2,358E-12	2,56E-13	-5,326	2,241E-12	-7,7903
165	165	185	STERR	1,365E-12	2,702E-14	10,373	1,352E-12	-1,5298
165	165	184	SSOVRdx	-1,65	-7,12	85,032	6,46	36,9245
165	165	206	SSOVRdx	-2,62	-11,73	-89,899	10,67	47,1885
165	165	207	SSOVRdx	-0,04537	-11,24	87,856	11,21	5,5536
165	165	185	SSOVRdx	0,98	-6,68	83,149	7,22	13,2006
165	165	184	SSOVRsx	7,12	1,65	-4,968	6,46	-39,5797
165	165	206	SSOVRsx	11,73	2,62	0,101	10,67	-49,5396
165	165	207	SSOVRsx	11,24	0,04537	-2,144	11,21	-9,0844
165	165	185	SSOVRsx	6,68	-0,98	-6,851	7,22	-13,6258
165	165	184	SW2	174,69	-228,22	3,99	349,95	-20,8509
165	165	206	SW2	417,49	-219,68	-13,614	560,6	57,1641
165	165	207	SW2	458,88	63,52	-13,829	430,64	-55,066
165	165	185	SW2	258,23	12,82	20,958	252,07	24,9515
166	166	185	DEAD	62,55	-7,03	7,447	66,34	2,0703
166	166	207	DEAD	83,72	-4,2	9,39	85,9	-4,5514
166	166	208	DEAD	81,76	-19,58	10,344	93,1	6,3334
166	166	186	DEAD	60,48	-22,3	8,927	74,19	-0,291
166	166	185	STERR	1,23E-12	5,167E-14	-0,85	1,205E-12	-3,0159
166	166	207	STERR	1,747E-12	-2,883E-15	15,936	1,748E-12	-4,5986
166	166	208	STERR	1,608E-12	-9,979E-13	15,342	2,278E-12	-42,9175
166	166	186	STERR	1,058E-12	-9,102E-13	5,436	1,706E-12	-32,5654
166	166	185	SSOVRdx	-0,31	-12,89	85,756	12,74	8,3808
166	166	207	SSOVRdx	-0,07329	-11,32	88,57	11,29	12,6421
166	166	208	SSOVRdx	2,08	-10,89	-89,267	12,06	-39,7497
166	166	186	SSOVRdx	1,79	-12,41	88,055	13,39	-23,3856
166	166	185	SSOVRsx	12,89	0,31	-4,244	12,74	-10,0185
166	166	207	SSOVRsx	11,32	0,07329	-1,43	11,29	-13,6516
166	166	208	SSOVRsx	10,89	-2,08	0,733	12,06	2,7119
166	166	186	SSOVRsx	12,41	-1,79	-1,945	13,39	-4,7467
166	166	185	SW2	121,53	23,12	-0,973	111,78	26,0415
166	166	207	SW2	363,11	4,51	23,234	360,88	-57,2492
166	166	208	SW2	329,12	-239,71	20,256	494,64	79,6631
166	166	186	SW2	84,74	-218,29	10,256	270,8	-3,6606
167	167	186	DEAD	63,86	-44,46	26,137	94,31	0,1473
167	167	208	DEAD	12,13	-40,02	24,102	47,27	4,3318
167	167	209	DEAD	49,25	12,03	65,773	44,47	27,7895
167	167	187	DEAD	91,77	16,8	42,382	84,63	24,8109
167	167	186	STERR	2,643E-12	-1,775E-12	28,452	3,851E-12	-30,289
167	167	208	STERR	-7,851E-13	-2,512E-12	51,078	2,226E-12	-47,5173
167	167	209	STERR	2,38E-12	-1,247E-12	78,052	3,192E-12	-53,4756
167	167	187	STERR	4,41E-12	8,859E-13	49,409	4,041E-12	-63,2731
167	167	186	SSOVRdx	-0,89	-25,97	87,708	25,53	-13,7936
167	167	208	SSOVRdx	4,62	-2,54	-71,397	6,28	-51,6322
167	167	209	SSOVRdx	6,98	-6,33	-55,448	11,53	24,6377
167	167	187	SSOVRdx	-1,74	-26,54	-82,875	25,72	-126,8754
167	167	186	SSOVRsx	25,97	0,89	-2,292	25,53	-12,4505
167	167	208	SSOVRsx	2,54	-4,62	18,603	6,28	11,3638
167	167	209	SSOVRsx	6,33	-6,98	34,552	11,53	-74,0423
167	167	187	SSOVRsx	26,54	1,74	7,125	25,72	67,2175
167	167	186	SW2	415,57	-540,23	36,176	830,08	1,8527
167	167	208	SW2	-196,12	-587,94	56,243	518,49	54,4861
167	167	209	SW2	596,34	-303,66	82,301	793,04	349,5453
167	167	187	SW2	924,32	27,77	59,26	910,76	312,0796
168	168	187	DEAD	64,37	28,18	-48,038	55,89	27,8256
168	168	209	DEAD	41,24	6,16	-82,677	38,53	26,3546
168	168	210	DEAD	-4,54	-30,46	-17,942	28,46	5,8512
168	168	188	DEAD	38,25	-28,09	-19,811	57,68	-0,0013
168	168	187	STERR	2,718E-12	-3,404E-13	-72,191	2,903E-12	-87,7997
168	168	209	STERR	2,348E-12	-5,894E-13	-85,384	2,691E-12	-42,0739
168	168	210	STERR	-5,52E-13	-1,615E-12	-52,696	1,422E-12	-56,2872
168	168	188	STERR	3,954E-13	-1,943E-12	-43,399	2,168E-12	-32,5041
168	168	187	SSOVRdx	18,45	4,27	-22,679	16,73	63,6995
168	168	209	SSOVRdx	2,84	-17,05	-68,75	18,63	-64,1119

Table: Element Forces - Area Shells, Part 2 of 4

Area	AreaElem	Joint	OutputCase	FMax	FMin	FAngle	FVM	M11
				KN/m	KN/m	Degrees	KN/m	KN-m/m
168	168	210	SSOVRdx	-4,99	-16,63	-73,315	14,78	7,4668
168	168	188	SSOVRdx	15,27	0,04842	-5,797	15,24	-11,9184
168	168	187	SSOVRsx	-4,27	-18,45	67,321	16,73	-144,0494
168	168	209	SSOVRsx	17,05	-2,84	21,25	18,63	24,3327
168	168	210	SSOVRsx	16,63	4,99	16,685	14,78	-55,3742
168	168	188	SSOVRsx	-0,04842	-15,27	84,203	15,24	-16,2107
168	168	187	SW2	837,66	40,87	-63,392	817,99	349,9989
168	168	209	SW2	582,5	-334,17	-84,093	803,51	331,496
168	168	210	SW2	-233,84	-571,18	-62,659	497,35	73,5986
168	168	188	SW2	292,52	-467,33	-36,383	663,82	-0,0163
169	169	188	DEAD	16,25	-24,59	9,151	35,61	0,0116
169	169	210	DEAD	16,53	-23,68	-5,145	35	6,8844
169	169	211	DEAD	21,01	0,2	-3,457	20,91	-2,6655
169	169	189	DEAD	23,25	-3,23	20,688	25,02	1,2799
169	169	188	STERR	-2,676E-13	-7,639E-13	-8,46	6,714E-13	-36,614
169	169	210	STERR	1,043E-13	-7,685E-13	-17,226	8,256E-13	-49,993
169	169	211	STERR	3,094E-13	4,737E-14	-40,713	2,886E-13	-7,9295
169	169	189	STERR	1,071E-13	-1,177E-13	78,161	1,947E-13	-7,4759
169	169	188	SSOVRdx	1,79	-2,49	-4,373	3,73	-5,1763
169	169	210	SSOVRdx	-0,72	-4,03	-31,258	3,73	0,6169
169	169	211	SSOVRdx	0,53	-1,4	-61,724	1,72	-2,8919
169	169	189	SSOVRdx	2,49	0,7	11,301	2,22	0,4028
169	169	188	SSOVRsx	2,49	-1,79	85,627	3,73	-26,3788
169	169	210	SSOVRsx	4,03	0,72	58,742	3,73	-43,7882
169	169	211	SSOVRsx	1,4	-0,53	28,276	1,72	-1,6612
169	169	189	SSOVRsx	-0,7	-2,49	-78,699	2,22	-6,716
169	169	188	SW2	-31,96	-211,4	0,531	197,37	0,1461
169	169	210	SW2	24,66	-249,89	-22,886	263,09	86,5946
169	169	211	SW2	99,19	-29,86	-46,083	117,01	-33,5275
169	169	189	SW2	62,15	-10,95	51,711	68,29	16,0987
170	170	189	DEAD	4,4	-4,54	22,039	7,74	0,9649
170	170	211	DEAD	10	-3,24	16,824	11,96	-2,4016
170	170	212	DEAD	10,23	-4,02	18,479	12,72	0,7688
170	170	190	DEAD	4,7	-5,38	23,836	8,73	-0,5619
170	170	189	STERR	1,089E-13	-5,273E-14	-88,25	1,428E-13	-5,2717
170	170	211	STERR	2,417E-13	1,137E-13	36,325	2,094E-13	-11,9162
170	170	212	STERR	2,12E-13	-4,886E-14	25,197	2,402E-13	1,237
170	170	190	STERR	-2,977E-14	-1,063E-13	57,842	9,497E-14	-0,8382
170	170	189	SSOVRdx	0,15	-0,71	-85,881	0,8	-0,842
170	170	211	SSOVRdx	1,25	0,38	22,926	1,11	-1,8266
170	170	212	SSOVRdx	1,3	-0,02803	25,305	1,32	0,2516
170	170	190	SSOVRdx	-0,12	-0,8	77,826	0,74	-0,1066
170	170	189	SSOVRsx	0,71	-0,15	4,119	0,8	-3,459
170	170	211	SSOVRsx	-0,38	-1,25	-67,074	1,11	-6,0095
170	170	212	SSOVRsx	0,02803	-1,3	-64,695	1,32	0,3304
170	170	190	SSOVRsx	0,8	0,12	-12,174	0,74	-0,471
170	170	189	SW2	25,72	-35,27	-80,206	53,04	12,1373
170	170	211	SW2	85,76	31,46	30,064	75,15	-30,2078
170	170	212	SW2	85,61	-14,55	27,371	93,74	9,6706
170	170	190	SW2	-12,73	-42,98	75,953	38,24	-7,068

Table: Element Forces - Area Shells, Part 3 of 4

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
1	1	1	DEAD	-0,7568	0,5833	-0,6483	-3,8927	79,462
1	1	3	DEAD	-0,891	0,6024	-0,7919	-4,5538	80,661
1	1	4	DEAD	-1,0671	2,3905	0,3169	-5,1959	59,931
1	1	1	STERR	21,015	-10,1419	106,2812	19,8087	-6,783
1	1	3	STERR	23,1487	-9,1535	116,6398	22,2525	-5,592
1	1	4	STERR	-4,1799	-37,6025	75,8377	-21,8504	-25,17
1	1	1	SSOVRdx	9,5816	-6,0963	48,8543	8,6353	-8,824
1	1	3	SSOVRdx	10,9388	-5,9997	55,5019	10,131	-7,668
1	1	4	SSOVRdx	5,971	-24,0955	50,5924	-7,0405	-28,369
1	1	1	SSOVRsx	-1,0707	1,3383	-0,6869	-5,7373	73,998
1	1	3	SSOVRsx	-1,3937	1,4839	-1,0233	-7,3388	75,985
1	1	4	SSOVRsx	-4,146	5,7901	-0,3189	-12,906	56,536
1	1	1	SW2	-9,5198	7,3373	-8,1549	-48,9638	79,462
1	1	3	SW2	-11,2067	7,5769	-9,9606	-57,2795	80,661

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
1	1	4	SW2	-13,4221	30,068	3,9863	-65,3559	59,931
2	2	2	DEAD	0,7568	-0,5833	3,8927	0,6483	-10,538
2	2	5	DEAD	0,891	-0,6024	4,5538	0,7919	-9,339
2	2	6	DEAD	1,0671	-2,3905	5,1959	-0,3169	-30,069
2	2	2	STERR	-21,015	10,1419	-19,8087	-106,2812	83,217
2	2	5	STERR	-23,1487	9,1535	-22,2525	-116,6398	84,408
2	2	6	STERR	4,1799	37,6025	21,8504	-75,8377	64,83
2	2	2	SSOVRdx	1,0707	-1,3383	5,7373	0,6869	-16,002
2	2	5	SSOVRdx	1,3937	-1,4839	7,3388	1,0233	-14,015
2	2	6	SSOVRdx	4,146	-5,7901	12,906	0,3189	-33,464
2	2	2	SSOVRsx	-9,5816	6,0963	-8,6353	-48,8543	81,176
2	2	5	SSOVRsx	-10,9388	5,9997	-10,131	-55,5019	82,332
2	2	6	SSOVRsx	-5,971	24,0955	7,0405	-50,5924	61,631
2	2	2	SW2	9,5198	-7,3373	48,9638	8,1549	-10,538
2	2	5	SW2	11,2067	-7,5769	57,2795	9,9606	-9,339
2	2	6	SW2	13,4221	-30,068	65,3559	-3,9863	-30,069
3	3	4	DEAD	-0,1228	2,0335	0,7673	-4,7685	66,36
3	3	8	DEAD	-0,8967	2,2308	0,0812	-5,9856	66,329
3	3	9	DEAD	-1,2954	2,6369	0,1562	-6,0852	61,166
3	3	4	STERR	-5,605	-25,2658	65,5968	-14,5705	-19,537
3	3	8	STERR	5,9086	-23,4064	73,3386	-2,2163	-19,143
3	3	9	STERR	-1,1748	-26,023	62,7098	-11,7751	-22,163
3	3	4	SSOVRdx	-0,1479	-19,0629	45,1601	-8,1685	-22,818
3	3	8	SSOVRdx	7,6555	-20,1826	55,5538	-0,8487	-22,849
3	3	9	SSOVRdx	9,3082	-23,6615	54,3165	-3,1309	-27,732
3	3	4	SSOVRsx	-1,2028	5,6397	1,7669	-11,9129	62,23
3	3	8	SSOVRsx	-3,4402	6,9791	0,1167	-17,1343	62,995
3	3	9	SSOVRsx	-6,6568	8,7236	-0,7353	-19,5085	55,832
3	3	4	SW2	-1,5446	25,5779	9,6512	-59,9798	66,36
3	3	8	SW2	-11,2789	28,0598	1,0215	-75,2892	66,329
3	3	9	SW2	-16,2942	33,1673	1,965	-76,5415	61,166
4	4	6	DEAD	0,1228	-2,0335	4,7685	-0,7673	-23,64
4	4	11	DEAD	0,8967	-2,2308	5,9856	-0,0812	-23,671
4	4	12	DEAD	1,2954	-2,6369	6,0852	-0,1562	-28,834
4	4	6	STERR	5,605	25,2658	14,5705	-65,5968	70,463
4	4	11	STERR	-5,9086	23,4064	2,2163	-73,3386	70,857
4	4	12	STERR	1,1748	26,023	11,7751	-62,7098	67,837
4	4	6	SSOVRdx	1,2028	-5,6397	11,9129	-1,7669	-27,77
4	4	11	SSOVRdx	3,4402	-6,9791	17,1343	-0,1167	-27,005
4	4	12	SSOVRdx	6,6568	-8,7236	19,5085	0,7353	-34,168
4	4	6	SSOVRsx	0,1479	19,0629	8,1685	-45,1601	67,182
4	4	11	SSOVRsx	-7,6555	20,1826	0,8487	-55,5538	67,151
4	4	12	SSOVRsx	-9,3082	23,6615	3,1309	-54,3165	62,268
4	4	6	SW2	1,5446	-25,5779	59,9798	-9,6512	-23,64
4	4	11	SW2	11,2789	-28,0598	75,2892	-1,0215	-23,671
4	4	12	SW2	16,2942	-33,1673	76,5415	-1,965	-28,834
5	5	3	DEAD	-0,891	0,6226	-0,7853	-4,5604	80,37
5	5	7	DEAD	-1,277	0,5218	-1,2242	-6,4378	84,226
5	5	8	DEAD	-0,9024	1,5367	-0,3937	-5,5448	71,685
5	5	4	DEAD	-0,0696	1,6375	0,5713	-4,2533	68,625
5	5	3	STERR	23,1487	-10,4836	116,9157	21,9766	-6,379
5	5	7	STERR	29,8083	-7,2825	149,4847	29,3652	-3,482
5	5	8	STERR	5,593	-18,8595	69,2256	0,0034	-16,509
5	5	4	STERR	-5,3444	-22,0606	64,8659	-12,276	-17,443
5	5	3	SSOVRdx	10,9388	-6,4584	55,6275	10,0055	-8,223
5	5	7	SSOVRdx	15,0414	-5,2173	75,6561	14,5923	-4,919
5	5	8	SSOVRdx	7,6043	-14,5422	51,5999	2,7975	-18,291
5	5	4	SSOVRdx	-0,311	-15,7832	42,1863	-6,1728	-20,375
5	5	3	SSOVRsx	-1,3937	1,4312	-1,0477	-7,3144	76,41
5	5	7	SSOVRsx	-2,2983	1,4497	-2,0751	-11,7147	81,248
5	5	8	SSOVRsx	-3,4688	4,4253	-1,8228	-15,3665	69,598
5	5	4	SSOVRsx	-1,1084	4,4068	0,9523	-10,5321	64,938
5	5	3	SW2	-11,2067	7,8317	-9,8778	-57,3623	80,37
5	5	7	SW2	-16,0626	6,5639	-15,3989	-80,977	84,226
5	5	8	SW2	-11,3503	19,329	-4,9522	-69,7438	71,685
5	5	4	SW2	-0,8755	20,5967	7,186	-53,4996	68,625
6	6	5	DEAD	0,891	-0,6226	4,5604	0,7853	-9,63
6	6	10	DEAD	1,277	-0,5218	6,4378	1,2242	-5,774
6	6	11	DEAD	0,9024	-1,5367	5,5448	0,3937	-18,315
6	6	6	DEAD	0,0696	-1,6375	4,2533	-0,5713	-21,375

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
6	6	5	STERR	-23,1487	10,4836	-21,9766	-116,9157	83,621
6	6	10	STERR	-29,8083	7,2825	-29,3652	-149,4847	86,518
6	6	11	STERR	-5,593	18,8595	-0,0034	-69,2256	73,491
6	6	6	STERR	5,3444	22,0606	12,276	-64,8659	72,557
6	6	5	SSOVRdx	1,3937	-1,4312	7,3144	1,0477	-13,59
6	6	10	SSOVRdx	2,2983	-1,4497	11,7147	2,0751	-8,752
6	6	11	SSOVRdx	3,4688	-4,4253	15,3665	1,8228	-20,402
6	6	6	SSOVRdx	1,1084	-4,4068	10,5321	-0,9523	-25,062
6	6	5	SSOVRsx	-10,9388	6,4584	-10,0055	-55,6275	81,777
6	6	10	SSOVRsx	-15,0414	5,2173	-14,5923	-75,6561	85,081
6	6	11	SSOVRsx	-7,6043	14,5422	-2,7975	-51,5999	71,709
6	6	6	SSOVRsx	0,311	15,7832	6,1728	-42,1863	69,625
6	6	5	SW2	11,2067	-7,8317	57,3623	9,8778	-9,63
6	6	10	SW2	16,0626	-6,5639	80,977	15,3989	-5,774
6	6	11	SW2	11,3503	-19,329	69,7438	4,9522	-18,315
6	6	6	SW2	0,8755	-20,5967	53,4996	-7,186	-21,375
7	7	9	DEAD	-0,547	2,8307	0,7532	-6,7098	65,33
7	7	15	DEAD	-0,4529	2,7288	0,8106	-6,3462	65,154
7	7	16	DEAD	-0,2189	2,6004	0,9014	-6,2549	66,693
7	7	9	STERR	-9,6663	-20,8608	59,4675	-15,961	-16,791
7	7	15	STERR	-9,5704	-17,1877	50,6831	-14,4733	-15,921
7	7	16	STERR	-19,0101	-14,0995	45,7299	-22,0808	-12,286
7	7	9	SSOVRdx	3,0178	-24,0644	57,3161	-7,6473	-23,902
7	7	15	SSOVRdx	2,7894	-22,9371	54,1071	-7,4626	-24,083
7	7	16	SSOVRdx	0,0585	-21,7912	52,7421	-8,9549	-22,471
7	7	9	SSOVRsx	-4,9221	10,5384	1,3793	-22,5463	59,123
7	7	15	SSOVRsx	-5,0112	10,9724	1,505	-23,4873	59,295
7	7	16	SSOVRsx	-6,2235	11,2676	0,6491	-24,6967	58,619
7	7	9	SW2	-6,8801	35,6048	9,4736	-84,3982	65,33
7	7	15	SW2	-5,6971	34,3235	10,196	-79,824	65,154
7	7	16	SW2	-2,7529	32,7081	11,3378	-78,6764	66,693
8	8	12	DEAD	0,547	-2,8307	6,7098	-0,7532	-24,67
8	8	19	DEAD	0,4529	-2,7288	6,3462	-0,8106	-24,846
8	8	20	DEAD	0,2189	-2,6004	6,2549	-0,9014	-23,307
8	8	12	STERR	9,6663	20,8608	15,961	-59,4675	73,209
8	8	19	STERR	9,5704	17,1877	14,4733	-50,6831	74,079
8	8	20	STERR	19,0101	14,0995	22,0808	-45,7299	77,714
8	8	12	SSOVRdx	4,9221	-10,5384	22,5463	-1,3793	-30,877
8	8	19	SSOVRdx	5,0112	-10,9724	23,4873	-1,505	-30,705
8	8	20	SSOVRdx	6,2235	-11,2676	24,6967	-0,6491	-31,381
8	8	12	SSOVRsx	-3,0178	24,0644	7,6473	-57,3161	66,098
8	8	19	SSOVRsx	-2,7894	22,9371	7,4626	-54,1071	65,917
8	8	20	SSOVRsx	-0,0585	21,7912	8,9549	-52,7421	67,529
8	8	12	SW2	6,8801	-35,6048	84,3982	-9,4736	-24,67
8	8	19	SW2	5,6971	-34,3235	79,824	-10,196	-24,846
8	8	20	SW2	2,7529	-32,7081	78,6764	-11,3378	-23,307
9	9	7	DEAD	-1,277	0,5414	-1,2203	-6,4418	84,016
9	9	13	DEAD	-1,5044	0,5286	-1,4583	-7,5679	85,018
9	9	14	DEAD	-1,0049	1,4458	-0,5963	-6,1203	74,218
9	9	8	DEAD	-0,9926	1,4586	-0,5231	-5,5237	72,156
9	9	7	STERR	29,8083	-6,5497	149,4003	29,4496	-3,135
9	9	13	STERR	32,3935	-5,3434	162,1875	32,1735	-2,357
9	9	14	STERR	5,6479	-14,9533	72,8619	2,3212	-12,542
9	9	8	STERR	6,4223	-16,1596	68,0398	2,1843	-14,695
9	9	7	SSOVRdx	15,0414	-5,1547	75,6455	14,603	-4,862
9	9	13	SSOVRdx	17,1847	-4,8862	86,2691	16,8391	-4,046
9	9	14	SSOVRdx	8,4699	-13,3958	56,6085	4,7422	-15,551
9	9	8	SSOVRdx	8,2406	-13,6644	51,2606	3,9004	-17,621
9	9	7	SSOVRsx	-2,2983	1,5543	-2,0426	-11,7471	80,659
9	9	13	SSOVRsx	-2,9645	1,7001	-2,7256	-15,0617	82
9	9	14	SSOVRsx	-4,1982	4,7446	-2,5773	-18,086	71,138
9	9	8	SSOVRsx	-3,6092	4,5987	-1,8342	-15,5236	68,894
9	9	7	SW2	-16,0626	6,8102	-15,3487	-81,0271	84,016
9	9	13	SW2	-18,9225	6,6484	-18,3429	-95,1919	85,018
9	9	14	SW2	-12,6404	18,1854	-7,5005	-76,9826	74,218
9	9	8	SW2	-12,4859	18,3471	-6,5796	-69,4791	72,156
10	10	8	DEAD	-0,987	2,1242	-0,0755	-5,9373	66,775
10	10	14	DEAD	-1,0006	2,0022	-0,262	-6,4284	69,752
10	10	15	DEAD	-0,4882	2,4877	0,5731	-6,32	66,898
10	10	9	DEAD	-0,3541	2,6098	0,9162	-5,7156	64,045

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
10	10	8	STERR	6,7378	-21,8716	72,6384	-0,5211	-18,36
10	10	14	STERR	5,7174	-18,7096	74,9396	0,6605	-15,125
10	10	15	STERR	-9,5135	-18,8205	51,8385	-15,2869	-17,054
10	10	9	STERR	-10,2417	-21,9824	57,4362	-17,3818	-17,994
10	10	8	SSOVRdx	8,2919	-19,4054	55,204	0,2647	-22,473
10	10	14	SSOVRdx	8,4488	-18,2348	59,3126	1,9116	-19,723
10	10	15	SSOVRdx	3,0195	-21,5726	54,1141	-6,0886	-22,89
10	10	9	SSOVRdx	1,7612	-22,7432	50,8953	-8,7662	-24,838
10	10	8	SSOVRsx	-3,5806	6,9501	-0,024	-17,1622	62,9
10	10	14	SSOVRsx	-4,1623	7,1475	-0,8522	-19,5958	65,15
10	10	15	SSOVRsx	-5,1449	9,4677	-0,0491	-22,7355	61,71
10	10	9	SSOVRsx	-4,296	9,2703	1,5601	-18,971	57,719
10	10	8	SW2	-12,4145	26,7191	-0,9491	-74,6812	66,775
10	10	14	SW2	-12,5855	25,1839	-3,2958	-80,858	69,752
10	10	15	SW2	-6,1402	31,2915	7,2081	-79,4947	66,898
10	10	9	SW2	-4,454	32,8267	11,5247	-71,893	64,045
11	11	10	DEAD	1,277	-0,5414	6,4418	1,2203	-5,984
11	11	17	DEAD	1,5044	-0,5286	7,5679	1,4583	-4,982
11	11	18	DEAD	1,0049	-1,4458	6,1203	0,5963	-15,782
11	11	11	DEAD	0,9926	-1,4586	5,5237	0,5231	-17,844
11	11	10	STERR	-29,8083	6,5497	-29,4496	-149,4003	86,865
11	11	17	STERR	-32,3935	5,3434	-32,1735	-162,1875	87,643
11	11	18	STERR	-5,6479	14,9533	-2,3212	-72,8619	77,458
11	11	11	STERR	-6,4223	16,1596	-2,1843	-68,0398	75,305
11	11	10	SSOVRdx	2,2983	-1,5543	11,7471	2,0426	-9,341
11	11	17	SSOVRdx	2,9645	-1,7001	15,0617	2,7256	-8
11	11	18	SSOVRdx	4,1982	-4,7446	18,086	2,5773	-18,862
11	11	11	SSOVRdx	3,6092	-4,5987	15,5236	1,8342	-21,106
11	11	10	SSOVRsx	-15,0414	5,1547	-14,603	-75,6455	85,138
11	11	17	SSOVRsx	-17,1847	4,8862	-16,8391	-86,2691	85,954
11	11	18	SSOVRsx	-8,4699	13,3958	-4,7422	-56,6085	74,449
11	11	11	SSOVRsx	-8,2406	13,6644	-3,9004	-51,2606	72,379
11	11	10	SW2	16,0626	-6,8102	81,0271	15,3487	-5,984
11	11	17	SW2	18,9225	-6,6484	95,1919	18,3429	-4,982
11	11	18	SW2	12,6404	-18,1854	76,9826	7,5005	-15,782
11	11	11	SW2	12,4859	-18,3471	69,4791	6,5796	-17,844
12	12	11	DEAD	0,987	-2,1242	5,9373	0,0755	-23,225
12	12	18	DEAD	1,0006	-2,0022	6,4284	0,262	-20,248
12	12	19	DEAD	0,4882	-2,4877	6,32	-0,5731	-23,102
12	12	12	DEAD	0,3541	-2,6098	5,7156	-0,9162	-25,955
12	12	11	STERR	-6,7378	21,8716	0,5211	-72,6384	71,64
12	12	18	STERR	-5,7174	18,7096	-0,6605	-74,9396	74,875
12	12	19	STERR	9,5135	18,8205	15,2869	-51,8385	72,946
12	12	12	STERR	10,2417	21,9824	17,3818	-57,4362	72,006
12	12	11	SSOVRdx	3,5806	-6,9501	17,1622	0,024	-27,1
12	12	18	SSOVRdx	4,1623	-7,1475	19,5958	0,8522	-24,85
12	12	19	SSOVRdx	5,1449	-9,4677	22,7355	0,0491	-28,29
12	12	12	SSOVRdx	4,296	-9,2703	18,971	-1,5601	-32,281
12	12	11	SSOVRsx	-8,2919	19,4054	-0,2647	-55,204	67,527
12	12	18	SSOVRsx	-8,4488	18,2348	-1,9116	-59,3126	70,277
12	12	19	SSOVRsx	-3,0195	21,5726	6,0886	-54,1141	67,11
12	12	12	SSOVRsx	-1,7612	22,7432	8,7662	-50,8953	65,162
12	12	11	SW2	12,4145	-26,7191	74,6812	0,9491	-23,225
12	12	18	SW2	12,5855	-25,1839	80,858	3,2958	-20,248
12	12	19	SW2	6,1402	-31,2915	79,4947	-7,2081	-23,102
12	12	12	SW2	4,454	-32,8267	71,893	-11,5247	-25,955
13	13	16	DEAD	-0,0765	2,467	0,9272	-6,1408	67,863
13	13	24	DEAD	0,3282	2,5803	1,3564	-6,1469	68,273
13	13	25	DEAD	0,0412	2,6063	1,1175	-6,2703	67,562
13	13	16	STERR	-18,4164	-10,0979	41,5313	-20,1173	-9,561
13	13	24	STERR	-19,8566	-6,7188	33,7843	-20,6981	-7,139
13	13	25	STERR	-28,9468	-3,9689	28,3164	-29,2219	-3,965
13	13	16	SSOVRdx	-0,5999	-20,9449	52,0427	-8,9332	-21,696
13	13	24	SSOVRdx	-1,7227	-20,4212	50,2634	-9,7446	-21,446
13	13	25	SSOVRdx	-3,2102	-19,9032	48,7165	-10,839	-20,972
13	13	16	SSOVRsx	-5,7196	12,1988	1,593	-26,0693	59,059
13	13	24	SSOVRsx	-6,0098	12,7428	1,5175	-27,5819	59,429
13	13	25	SSOVRsx	-7,4038	13,2594	0,8374	-28,7371	58,137
13	13	16	SW2	-0,9619	31,0312	11,662	-77,2405	67,863
13	13	24	SW2	4,1279	32,456	17,0617	-77,3171	68,273

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
13	13	25	SW2	0,5187	32,783	14,0563	-78,8693	67,562
14	14	20	DEAD	0,0765	-2,467	6,1408	-0,9272	-22,137
14	14	29	DEAD	-0,3282	-2,5803	6,1469	-1,3564	-21,727
14	14	30	DEAD	-0,0412	-2,6063	6,2703	-1,1175	-22,438
14	14	20	STERR	18,4164	10,0979	20,1173	-41,5313	80,439
14	14	29	STERR	19,8566	6,7188	20,6981	-33,7843	82,861
14	14	30	STERR	28,9468	3,9689	29,2219	-28,3164	86,035
14	14	20	SSOVRdx	5,7196	-12,1988	26,0693	-1,593	-30,941
14	14	29	SSOVRdx	6,0098	-12,7428	27,5819	-1,5175	-30,571
14	14	30	SSOVRdx	7,4038	-13,2594	28,7371	-0,8374	-31,863
14	14	20	SSOVRsx	0,5999	20,9449	8,9332	-52,0427	68,304
14	14	29	SSOVRsx	1,7227	20,4212	9,7446	-50,2634	68,554
14	14	30	SSOVRsx	3,2102	19,9032	10,839	-48,7165	69,028
14	14	20	SW2	0,9619	-31,0312	77,2405	-11,662	-22,137
14	14	29	SW2	-4,1279	-32,456	77,3171	-17,0617	-21,727
14	14	30	SW2	-0,5187	-32,783	78,8693	-14,0563	-22,438
15	15	13	DEAD	-1,5044	0,529	-1,4582	-7,568	85,014
15	15	21	DEAD	-1,7239	0,4996	-1,6879	-8,6557	85,878
15	15	22	DEAD	-1,0507	1,3712	-0,7156	-6,6615	76,267
15	15	14	DEAD	-1,0009	1,4006	-0,6159	-6,0958	74,629
15	15	13	STERR	32,3935	-5,371	162,1898	32,1713	-2,37
15	15	21	STERR	34,4946	-3,983	172,5879	34,3797	-1,652
15	15	22	STERR	5,9427	-10,8574	74,3216	4,2187	-9,022
15	15	14	STERR	5,6903	-12,2454	71,8114	3,4225	-10,492
15	15	13	SSOVRdx	17,1847	-4,8896	86,2696	16,8386	-4,048
15	15	21	SSOVRdx	19,2035	-4,5026	96,2807	18,9405	-3,343
15	15	22	SSOVRdx	9,0767	-12,3211	61,1153	6,1594	-13,321
15	15	14	SSOVRdx	8,4552	-12,7081	56,2564	5,0767	-14,888
15	15	13	SSOVRsx	-2,9645	1,6829	-2,7303	-15,0569	82,077
15	15	21	SSOVRsx	-3,6738	1,8253	-3,4504	-18,5921	83,024
15	15	22	SSOVRsx	-4,7534	5,1981	-3,1139	-21,2331	72,494
15	15	14	SSOVRsx	-4,1815	5,0556	-2,368	-18,2752	70,266
15	15	13	SW2	-18,9225	6,6536	-18,342	-95,1928	85,014
15	15	21	SW2	-21,6841	6,2837	-21,2313	-108,8735	85,878
15	15	22	SW2	-13,2158	17,2469	-9,001	-83,7904	76,267
15	15	14	SW2	-12,5894	17,6168	-7,7467	-76,6753	74,629
16	16	14	DEAD	-0,9965	1,9912	-0,2655	-6,4201	69,84
16	16	22	DEAD	-1,0533	1,8767	-0,4549	-6,9382	72,313
16	16	23	DEAD	-0,3866	2,1636	0,4113	-6,2527	69,755
16	16	15	DEAD	-0,5164	2,2781	0,3998	-6,1806	68,09
16	16	14	STERR	5,7598	-15,8902	73,6125	2,0385	-13,18
16	16	22	STERR	6,0401	-13,0498	75,5349	3,5896	-10,635
16	16	23	STERR	-11,3738	-13,1687	45,9365	-14,3997	-12,941
16	16	15	STERR	-9,5747	-16,0092	50,3311	-13,8529	-14,962
16	16	14	SSOVRdx	8,4341	-17,7495	59,0025	2,204	-19,341
16	16	22	SSOVRdx	9,1117	-16,7237	63,514	3,9706	-17,088
16	16	23	SSOVRdx	2,4597	-18,9909	53,2857	-4,6362	-20,488
16	16	15	SSOVRdx	3,1769	-20,0167	53,0682	-4,854	-21,861
16	16	14	SSOVRsx	-4,1456	7,6371	-0,4595	-19,9684	64,235
16	16	22	SSOVRsx	-4,7499	7,8534	-1,3634	-22,9621	66,674
16	16	23	SSOVRsx	-5,6421	9,5961	-0,789	-24,6169	63,173
16	16	15	SSOVRsx	-5,2374	9,3798	-0,1984	-22,6973	61,754
16	16	14	SW2	-12,5345	25,0459	-3,3392	-80,7535	69,84
16	16	22	SW2	-13,2492	23,6053	-5,7215	-87,2704	72,313
16	16	23	SW2	-4,8633	27,2141	5,1741	-78,6483	69,755
16	16	15	SW2	-6,4957	28,6547	5,0289	-77,7421	68,09
17	17	15	DEAD	-0,4812	2,5033	0,6172	-6,1867	66,31
17	17	23	DEAD	-0,3928	2,2821	0,4801	-6,3586	69,067
17	17	24	DEAD	0,3256	2,3905	1,2247	-6,0304	69,388
17	17	16	DEAD	-0,07	2,6118	1,0401	-6,215	66,973
17	17	15	STERR	-9,6317	-14,6959	49,425	-13,2886	-13,974
17	17	23	STERR	-11,3352	-11,7612	45,5357	-13,7675	-11,684
17	17	24	STERR	-19,9959	-9,1487	33,8018	-21,5517	-9,651
17	17	16	STERR	-17,8023	-12,0834	45,2176	-20,1192	-10,854
17	17	15	SSOVRdx	2,9467	-21,3027	52,9602	-6,1269	-23,071
17	17	23	SSOVRdx	2,5032	-19,8644	54,0605	-5,1503	-21,071
17	17	24	SSOVRdx	-1,7322	-20,1629	50,046	-9,5838	-21,276
17	17	16	SSOVRdx	-0,6232	-21,6012	52,3936	-9,4244	-22,168
17	17	15	SSOVRsx	-5,1037	10,7322	1,2212	-23,3145	59,488
17	17	23	SSOVRsx	-5,658	10,8514	0,2132	-25,7142	61,584

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
17	17	24	SSOVRsx	-6,0439	11,9305	0,744	-27,0132	60,362
17	17	16	SSOVRsx	-5,5043	11,8114	1,6957	-24,8803	58,634
17	17	15	SW2	-6,0526	31,4879	7,7631	-77,8177	66,31
17	17	23	SW2	-4,9411	28,7047	6,0392	-79,9806	69,067
17	17	24	SW2	4,096	30,0688	15,405	-75,852	69,388
17	17	16	SW2	-0,8808	32,852	13,0822	-78,1743	66,973
18	18	17	DEAD	1,5044	-0,529	7,568	1,4582	-4,986
18	18	26	DEAD	1,7239	-0,4996	8,6557	1,6879	-4,122
18	18	27	DEAD	1,0507	-1,3712	6,6615	0,7156	-13,733
18	18	18	DEAD	1,0009	-1,4006	6,0958	0,6159	-15,371
18	18	17	STERR	-32,3935	5,371	-32,1713	-162,1898	87,63
18	18	26	STERR	-34,4946	3,983	-34,3797	-172,5879	88,348
18	18	27	STERR	-5,9427	10,8574	-4,2187	-74,3216	80,978
18	18	18	STERR	-5,6903	12,2454	-3,4225	-71,8114	79,508
18	18	17	SSOVRdx	2,9645	-1,6829	15,0569	2,7303	-7,923
18	18	26	SSOVRdx	3,6738	-1,8253	18,5921	3,4504	-6,976
18	18	27	SSOVRdx	4,7534	-5,1981	21,2331	3,1139	-17,506
18	18	18	SSOVRdx	4,1815	-5,0556	18,2752	2,368	-19,734
18	18	17	SSOVRsx	-17,1847	4,8896	-16,8386	-86,2696	85,952
18	18	26	SSOVRsx	-19,2035	4,5026	-18,9405	-96,2807	86,657
18	18	27	SSOVRsx	-9,0767	12,3211	-6,1594	-61,1153	76,679
18	18	18	SSOVRsx	-8,4552	12,7081	-5,0767	-56,2564	75,112
18	18	17	SW2	18,9225	-6,6536	95,1928	18,342	-4,986
18	18	26	SW2	21,6841	-6,2837	108,8735	21,2313	-4,122
18	18	27	SW2	13,2158	-17,2469	83,7904	9,001	-13,733
18	18	18	SW2	12,5894	-17,6168	76,6753	7,7467	-15,371
19	19	18	DEAD	0,9965	-1,9912	6,4201	0,2655	-20,16
19	19	27	DEAD	1,0533	-1,8767	6,9382	0,4549	-17,687
19	19	28	DEAD	0,3866	-2,1636	6,2527	-0,4113	-20,245
19	19	19	DEAD	0,5164	-2,2781	6,1806	-0,3998	-21,91
19	19	18	STERR	-5,7598	15,8902	-2,0385	-73,6125	76,82
19	19	27	STERR	-6,0401	13,0498	-3,5896	-75,5349	79,365
19	19	28	STERR	11,3738	13,1687	14,3997	-45,9365	77,059
19	19	19	STERR	9,5747	16,0092	13,8529	-50,3311	75,038
19	19	18	SSOVRdx	4,1456	-7,6371	19,9684	0,4595	-25,765
19	19	27	SSOVRdx	4,7499	-7,8534	22,9621	1,3634	-23,326
19	19	28	SSOVRdx	5,6421	-9,5961	24,6169	0,789	-26,827
19	19	19	SSOVRdx	5,2374	-9,3798	22,6973	0,1984	-28,246
19	19	18	SSOVRsx	-8,4341	17,7495	-2,204	-59,0025	70,659
19	19	27	SSOVRsx	-9,1117	16,7237	-3,9706	-63,514	72,912
19	19	28	SSOVRsx	-2,4597	18,9909	4,6362	-53,2857	69,512
19	19	19	SSOVRsx	-3,1769	20,0167	4,854	-53,0682	68,139
19	19	18	SW2	12,5345	-25,0459	80,7535	3,3392	-20,16
19	19	27	SW2	13,2492	-23,6053	87,2704	5,7215	-17,687
19	19	28	SW2	4,8633	-27,2141	78,6483	-5,1741	-20,245
19	19	19	SW2	6,4957	-28,6547	77,7421	-5,0289	-21,91
20	20	19	DEAD	0,4812	-2,5033	6,1867	-0,6172	-23,69
20	20	28	DEAD	0,3928	-2,2821	6,3586	-0,4801	-20,933
20	20	29	DEAD	-0,3256	-2,3905	6,0304	-1,2247	-20,612
20	20	20	DEAD	0,07	-2,6118	6,215	-1,0401	-23,027
20	20	19	STERR	9,6317	14,6959	13,2886	-49,425	76,026
20	20	28	STERR	11,3352	11,7612	13,7675	-45,5357	78,316
20	20	29	STERR	19,9959	9,1487	21,5517	-33,8018	80,349
20	20	20	STERR	17,8023	12,0834	20,1192	-45,2176	79,146
20	20	19	SSOVRdx	5,1037	-10,7322	23,3145	-1,2212	-30,512
20	20	28	SSOVRdx	5,658	-10,8514	25,7142	-0,2132	-28,416
20	20	29	SSOVRdx	6,0439	-11,9305	27,0132	-0,744	-29,638
20	20	20	SSOVRdx	5,5043	-11,8114	24,8803	-1,6957	-31,366
20	20	19	SSOVRsx	-2,9467	21,3027	6,1269	-52,9602	66,929
20	20	28	SSOVRsx	-2,5032	19,8644	5,1503	-54,0605	68,929
20	20	29	SSOVRsx	1,7322	20,1629	9,5838	-50,046	68,724
20	20	20	SSOVRsx	0,6232	21,6012	9,4244	-52,3936	67,832
20	20	19	SW2	6,0526	-31,4879	77,8177	-7,7631	-23,69
20	20	28	SW2	4,9411	-28,7047	79,9806	-6,0392	-20,933
20	20	29	SW2	-4,096	-30,0688	75,852	-15,405	-20,612
20	20	20	SW2	0,8808	-32,852	78,1743	-13,0822	-23,027
21	21	25	DEAD	1,1913	1,7538	1,6198	-5,9866	76,27
21	21	35	DEAD	1,3347	1,0669	1,5385	-4,2511	79,186
21	21	36	DEAD	3,088	0,4494	3,1184	-3,5534	86,129
21	21	25	STERR	-28,0183	1,2345	26,9018	-28,0461	1,288

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
21	21	35	STERR	-27,6192	10,05	12,2969	-30,1496	14,132
21	21	36	STERR	-50,5163	17,2115	6,2833	-55,7317	16,858
21	21	25	SSOVRdx	-5,9995	-16,9345	47,6453	-11,3454	-17,52
21	21	35	SSOVRdx	-5,6658	-12,7592	38,4737	-9,354	-16,123
21	21	36	SSOVRdx	-16,7381	-9,6005	31,4407	-18,6512	-11,27
21	21	25	SSOVRsx	-6,6363	13,988	1,7595	-29,9411	59,027
21	21	35	SSOVRsx	-7,3187	14,4596	1,1382	-32,0416	59,678
21	21	36	SSOVRsx	-8,2335	15,2525	1,4715	-32,2046	57,532
21	21	25	SW2	14,9842	22,0593	20,3739	-75,3017	76,27
21	21	35	SW2	16,7889	13,4204	19,3523	-53,4713	79,186
21	21	36	SW2	38,8412	5,6524	39,2237	-44,6956	86,129
22	22	30	DEAD	-1,1913	-1,7538	5,9866	-1,6198	-13,73
22	22	41	DEAD	-1,3347	-1,0669	4,2511	-1,5385	-10,814
22	22	42	DEAD	-3,088	-0,4494	3,5534	-3,1184	-3,871
22	22	30	STERR	28,0183	-1,2345	28,0461	-26,9018	-88,712
22	22	41	STERR	27,6192	-10,05	30,1496	-12,2969	-75,868
22	22	42	STERR	50,5163	-17,2115	55,7317	-6,2833	-73,142
22	22	30	SSOVRdx	6,6363	-13,988	29,9411	-1,7595	-30,973
22	22	41	SSOVRdx	7,3187	-14,4596	32,0416	-1,1382	-30,322
22	22	42	SSOVRdx	8,2335	-15,2525	32,2046	-1,4715	-32,468
22	22	30	SSOVRsx	5,9995	16,9345	11,3454	-47,6453	72,48
22	22	41	SSOVRsx	5,6658	12,7592	9,354	-38,4737	73,877
22	22	42	SSOVRsx	16,7381	9,6005	18,6512	-31,4407	78,73
22	22	30	SW2	-14,9842	-22,0593	75,3017	-20,3739	-13,73
22	22	41	SW2	-16,7889	-13,4204	53,4713	-19,3523	-10,814
22	22	42	SW2	-38,8412	-5,6524	44,6956	-39,2237	-3,871
23	23	21	DEAD	-1,7239	0,5134	-1,6859	-8,6577	85,765
23	23	31	DEAD	-2,2361	0,3901	-2,2191	-11,1974	87,507
23	23	32	DEAD	-1,121	1,0922	-0,9342	-7,5066	80,294
23	23	22	DEAD	-1,027	1,2155	-0,7613	-6,5874	77,669
23	23	21	STERR	34,4946	-3,6158	172,5677	34,3999	-1,5
23	23	31	STERR	36,558	0,1168	182,7903	36,5579	0,046
23	23	32	STERR	6,3508	-2,2886	74,6279	6,2741	-1,92
23	23	22	STERR	5,4959	-6,0211	73,045	4,9592	-5,094
23	23	21	SSOVRdx	19,2035	-4,4805	96,2781	18,9431	-3,327
23	23	31	SSOVRdx	23,4881	-3,2042	117,5498	23,379	-1,951
23	23	32	SSOVRdx	10,4293	-9,4559	70,0112	8,9287	-9,018
23	23	22	SSOVRdx	8,8995	-10,7321	60,3991	6,663	-11,772
23	23	21	SSOVRsx	-3,6738	1,8854	-3,4357	-18,6068	82,804
23	23	31	SSOVRsx	-5,864	2,2284	-5,6541	-29,5297	84,621
23	23	32	SSOVRsx	-6,2976	5,9809	-4,7435	-29,3152	75,434
23	23	22	SSOVRsx	-4,7889	5,6379	-2,8871	-21,5024	71,36
23	23	21	SW2	-21,6841	6,4578	-21,206	-108,8988	85,765
23	23	31	SW2	-28,1261	4,9069	-27,9124	-140,8439	87,507
23	23	32	SW2	-14,1008	13,7385	-11,7508	-94,4207	80,294
23	23	22	SW2	-12,9184	15,2894	-9,5761	-82,8586	77,669
24	24	22	DEAD	-1,0297	1,7043	-0,5294	-6,8353	73,64
24	24	32	DEAD	-1,1235	1,3247	-0,8526	-7,6028	78,445
24	24	33	DEAD	-0,1559	1,4757	0,2191	-5,9633	75,742
24	24	23	DEAD	-0,3297	1,8553	0,2725	-6,0455	72,017
24	24	22	STERR	5,5932	-8,3898	74,0237	4,5646	-6,99
24	24	32	STERR	6,4439	-1,3399	75,043	6,4178	-1,119
24	24	33	STERR	-11,6646	-0,6995	36,0999	-11,6749	-0,839
24	24	23	STERR	-11,279	-7,7493	44,0156	-12,3651	-7,978
24	24	22	SSOVRdx	8,9345	-15,0655	62,5693	4,7027	-15,69
24	24	32	SSOVRdx	10,4609	-12,2636	71,1464	7,9826	-11,425
24	24	33	SSOVRdx	2,3539	-14,0013	53,3157	-1,4928	-15,363
24	24	23	SSOVRdx	2,3486	-16,8033	51,8693	-3,3531	-18,743
24	24	22	SSOVRsx	-4,7853	8,2054	-1,1355	-23,2326	66,02
24	24	32	SSOVRsx	-6,2875	8,7635	-3,1594	-30,8387	70,356
24	24	33	SSOVRsx	-6,8192	10,5577	-2,1349	-30,6148	66,074
24	24	23	SSOVRsx	-5,6091	9,9997	-0,4342	-24,9321	62,638
24	24	22	SW2	-12,9518	21,4367	-6,6589	-85,9761	73,64
24	24	32	SW2	-14,1313	16,6623	-10,7248	-95,6302	78,445
24	24	33	SW2	-1,9612	18,5618	2,7555	-75,0084	75,742
24	24	23	SW2	-4,1471	23,3362	3,4275	-76,0423	72,017
25	25	23	DEAD	-0,3359	1,9798	0,3384	-6,1486	71,191
25	25	33	DEAD	-0,1562	1,4449	0,2041	-5,9501	75,997
25	25	34	DEAD	0,5951	1,4321	0,9536	-5,126	75,947
25	25	24	DEAD	0,1367	1,9669	0,7863	-5,8187	71,723

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
25	25	23	STERR	-11,2404	-6,4094	43,8678	-11,9859	-6,634
25	25	33	STERR	-11,6589	0,5983	36,1258	-11,6664	0,717
25	25	34	STERR	-21,6368	2,1004	20,4018	-21,7418	2,86
25	25	24	STERR	-19,6701	-4,9072	32,7704	-20,1293	-5,346
25	25	23	SSOVRdx	2,3921	-17,7414	52,6479	-3,871	-19,444
25	25	33	SSOVRdx	2,3509	-14,6055	53,6148	-1,8103	-15,903
25	25	34	SSOVRdx	-2,5111	-14,7757	45,5997	-7,049	-17,073
25	25	24	SSOVRdx	-1,0903	-17,9116	48,7586	-7,5262	-19,764
25	25	23	SSOVRsx	-5,6249	11,2877	0,6073	-26,0687	61,096
25	25	33	SSOVRsx	-6,8139	11,8035	-1,1791	-31,5392	64,481
25	25	34	SSOVRsx	-7,1029	12,6267	-0,5262	-31,3451	62,487
25	25	24	SSOVRsx	-6,1537	12,1109	0,8113	-27,2123	60,097
25	25	23	SW2	-4,2249	24,9021	4,2566	-77,3386	71,191
25	25	33	SW2	-1,9649	18,1742	2,5674	-74,8425	75,997
25	25	34	SW2	7,4856	18,0128	11,9944	-64,4759	75,947
25	25	24	SW2	1,7197	24,7407	9,8909	-73,1895	71,723
26	26	24	DEAD	0,1393	2,1128	0,8789	-5,896	70,706
26	26	34	DEAD	0,594	1,1871	0,8448	-5,0238	78,069
26	26	35	DEAD	1,3188	1,0976	1,5317	-4,3399	79,023
26	26	25	DEAD	1,3151	2,0233	1,9125	-5,5367	73,548
26	26	24	STERR	-19,5307	-2,4006	33,1173	-19,6402	-2,611
26	26	34	STERR	-21,6624	3,5657	20,4708	-21,9641	4,837
26	26	35	STERR	-27,9203	6,1906	9,2908	-28,9502	9,445
26	26	25	STERR	-27,7365	0,2242	28,2843	-27,7374	0,229
26	26	24	SSOVRdx	-1,0809	-17,9937	48,8539	-7,5648	-19,816
26	26	34	SSOVRdx	-2,5104	-14,3488	45,3659	-6,8108	-16,684
26	26	35	SSOVRdx	-5,677	-13,7911	38,9877	-9,9353	-17,159
26	26	25	SSOVRdx	-6,3682	-17,4361	46,2355	-12,1476	-18,338
26	26	24	SSOVRsx	-6,1195	12,9118	1,579	-27,775	59,195
26	26	34	SSOVRsx	-7,11	13,2737	-0,0052	-31,9087	61,842
26	26	35	SSOVRsx	-7,397	13,9228	0,5171	-31,8905	60,385
26	26	25	SSOVRsx	-6,3857	13,5609	1,9006	-28,5786	58,573
26	26	24	SW2	1,7516	26,5749	11,0547	-74,1617	70,706
26	26	34	SW2	7,4717	14,9313	10,6267	-63,1916	78,069
26	26	35	SW2	16,5883	13,8064	19,2664	-54,5887	79,023
26	26	25	SW2	16,5412	25,45	24,0565	-69,6425	73,548
27	27	26	DEAD	1,7239	-0,5134	8,6577	1,6859	-4,235
27	27	37	DEAD	2,2361	-0,3901	11,1974	2,2191	-2,493
27	27	38	DEAD	1,121	-1,0922	7,5066	0,9342	-9,706
27	27	27	DEAD	1,027	-1,2155	6,5874	0,7613	-12,331
27	27	26	STERR	-34,4946	3,6158	-34,3999	-172,5677	88,5
27	27	37	STERR	-36,558	-0,1168	-36,5579	-182,7903	-89,954
27	27	38	STERR	-6,3508	2,2886	-6,2741	-74,6279	88,08
27	27	27	STERR	-5,4959	6,0211	-4,9592	-73,045	84,906
27	27	26	SSOVRdx	3,6738	-1,8854	18,6068	3,4357	-7,196
27	27	37	SSOVRdx	5,864	-2,2284	29,5297	5,6541	-5,379
27	27	38	SSOVRdx	6,2976	-5,9809	29,3152	4,7435	-14,566
27	27	27	SSOVRdx	4,7889	-5,6379	21,5024	2,8871	-18,64
27	27	26	SSOVRsx	-19,2035	4,4805	-18,9431	-96,2781	86,673
27	27	37	SSOVRsx	-23,4881	3,2042	-23,379	-117,5498	88,049
27	27	38	SSOVRsx	-10,4293	9,4559	-8,9287	-70,0112	80,982
27	27	27	SSOVRsx	-8,8995	10,7321	-6,663	-60,3991	78,228
27	27	26	SW2	21,6841	-6,4578	108,8988	21,206	-4,235
27	27	37	SW2	28,1261	-4,9069	140,8439	27,9124	-2,493
27	27	38	SW2	14,1008	-13,7385	94,4207	11,7508	-9,706
27	27	27	SW2	12,9184	-15,2894	82,8586	9,5761	-12,331
28	28	27	DEAD	1,0297	-1,7043	6,8353	0,5294	-16,36
28	28	38	DEAD	1,1235	-1,3247	7,6028	0,8526	-11,555
28	28	39	DEAD	0,1559	-1,4757	5,9633	-0,2191	-14,258
28	28	28	DEAD	0,3297	-1,8553	6,0455	-0,2725	-17,983
28	28	27	STERR	-5,5932	8,3898	-4,5646	-74,0237	83,01
28	28	38	STERR	-6,4439	1,3399	-6,4178	-75,043	88,881
28	28	39	STERR	11,6646	0,6995	11,6749	-36,0999	89,161
28	28	28	STERR	11,279	7,7493	12,3651	-44,0156	82,022
28	28	27	SSOVRdx	4,7853	-8,2054	23,2326	1,1355	-23,98
28	28	38	SSOVRdx	6,2875	-8,7635	30,8387	3,1594	-19,644
28	28	39	SSOVRdx	6,8192	-10,5577	30,6148	2,1349	-23,926
28	28	28	SSOVRdx	5,6091	-9,9997	24,9321	0,4342	-27,362
28	28	27	SSOVRsx	-8,9345	15,0655	-4,7027	-62,5693	74,31
28	28	38	SSOVRsx	-10,4609	12,2636	-7,9826	-71,1464	78,575

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
28	28	39	SSOVRsx	-2,3539	14,0013	1,4928	-53,3157	74,637
28	28	28	SSOVRsx	-2,3486	16,8033	3,3531	-51,8693	71,257
28	28	27	SW2	12,9518	-21,4367	85,9761	6,6589	-16,36
28	28	38	SW2	14,1313	-16,6623	95,6302	10,7248	-11,555
28	28	39	SW2	1,9612	-18,5618	75,0084	-2,7555	-14,258
28	28	28	SW2	4,1471	-23,3362	76,0423	-3,4275	-17,983
29	29	28	DEAD	0,3359	-1,9798	6,1486	-0,3384	-18,809
29	29	39	DEAD	0,1562	-1,4449	5,9501	-0,2041	-14,003
29	29	40	DEAD	-0,5951	-1,4321	5,126	-0,9536	-14,053
29	29	29	DEAD	-0,1367	-1,9669	5,8187	-0,7863	-18,277
29	29	28	STERR	11,2404	6,4094	11,9859	-43,8678	83,366
29	29	39	STERR	11,6589	-0,5983	11,6664	-36,1258	-89,283
29	29	40	STERR	21,6368	-2,1004	21,7418	-20,4018	-87,14
29	29	29	STERR	19,6701	4,9072	20,1293	-32,7704	84,654
29	29	28	SSOVRdx	5,6249	-11,2877	26,0687	-0,6073	-28,904
29	29	39	SSOVRdx	6,8139	-11,8035	31,5392	1,1791	-25,519
29	29	40	SSOVRdx	7,1029	-12,6267	31,3451	0,5262	-27,513
29	29	29	SSOVRdx	6,1537	-12,1109	27,2123	-0,8113	-29,903
29	29	28	SSOVRsx	-2,3921	17,7414	3,871	-52,6479	70,556
29	29	39	SSOVRsx	-2,3509	14,6055	1,8103	-53,6148	74,097
29	29	40	SSOVRsx	2,5111	14,7757	7,049	-45,5997	72,927
29	29	29	SSOVRsx	1,0903	17,9116	7,5262	-48,7586	70,236
29	29	28	SW2	4,2249	-24,9021	77,3386	-4,2566	-18,809
29	29	39	SW2	1,9649	-18,1742	74,8425	-2,5674	-14,003
29	29	40	SW2	-7,4856	-18,0128	64,4759	-11,9944	-14,053
29	29	29	SW2	-1,7197	-24,7407	73,1895	-9,8909	-18,277
30	30	29	DEAD	-0,1393	-2,1128	5,896	-0,8789	-19,294
30	30	40	DEAD	-0,594	-1,1871	5,0238	-0,8448	-11,931
30	30	41	DEAD	-1,3188	-1,0976	4,3399	-1,5317	-10,977
30	30	30	DEAD	-1,3151	-2,0233	5,5367	-1,9125	-16,452
30	30	29	STERR	19,5307	2,4006	19,6402	-33,1173	87,389
30	30	40	STERR	21,6624	-3,5657	21,9641	-20,4708	-85,163
30	30	41	STERR	27,9203	-6,1906	28,9502	-9,2908	-80,555
30	30	30	STERR	27,7365	-0,2242	27,7374	-28,2843	-89,771
30	30	29	SSOVRdx	6,1195	-12,9118	27,775	-1,579	-30,805
30	30	40	SSOVRdx	7,11	-13,2737	31,9087	0,0052	-28,158
30	30	41	SSOVRdx	7,397	-13,9228	31,8905	-0,5171	-29,615
30	30	30	SSOVRdx	6,3857	-13,5609	28,5786	-1,9006	-31,427
30	30	29	SSOVRsx	1,0809	17,9937	7,5648	-48,8539	70,184
30	30	40	SSOVRsx	2,5104	14,3488	6,8108	-45,3659	73,316
30	30	41	SSOVRsx	5,677	13,7911	9,9353	-38,9877	72,841
30	30	30	SSOVRsx	6,3682	17,4361	12,1476	-46,2355	71,662
30	30	29	SW2	-1,7516	-26,5749	74,1617	-11,0547	-19,294
30	30	40	SW2	-7,4717	-14,9313	63,1916	-10,6267	-11,931
30	30	41	SW2	-16,5883	-13,8064	54,5887	-19,2664	-10,977
30	30	30	SW2	-16,5412	-25,45	69,6425	-24,0565	-16,452
31	31	36	DEAD	4,0305	-0,7682	4,1051	-3,8785	-84,452
31	31	48	DEAD	4,3768	-1,7015	4,834	-1,9554	-74,96
31	31	49	DEAD	6,6874	-2,6333	7,4905	-1,9473	-73,04
31	31	36	STERR	-43,065	24,4692	2,5979	-56,1771	28,185
31	31	48	STERR	-39,4114	26,6358	4,1424	-55,7009	31,448
31	31	49	STERR	-45,1808	27,6206	1,3881	-61,5629	30,673
31	31	36	SSOVRdx	-15,6791	-4,9434	25,6933	-16,2698	-6,814
31	31	48	SSOVRdx	-15,2168	-1,8458	19,118	-15,316	-3,077
31	31	49	SSOVRdx	-23,135	0,7277	16,6118	-23,1484	1,049
31	31	36	SSOVRsx	-7,609	15,2649	1,956	-31,9705	57,929
31	31	48	SSOVRsx	-7,2983	14,1567	1,8687	-29,1608	57,076
31	31	49	SSOVRsx	-4,4345	13,1777	3,3461	-26,7533	59,441
31	31	36	SW2	50,6963	-9,663	51,6349	-48,7856	-84,452
31	31	48	SW2	55,0531	-21,4017	60,8039	-24,5951	-74,96
31	31	49	SW2	84,1165	-33,1231	94,2181	-24,4937	-73,04
32	32	42	DEAD	-4,0305	0,7682	3,8785	-4,1051	5,548
32	32	55	DEAD	-4,3768	1,7015	1,9554	-4,834	15,04
32	32	56	DEAD	-6,6874	2,6333	1,9473	-7,4905	16,96
32	32	42	STERR	43,065	-24,4692	56,1771	-2,5979	-61,815
32	32	55	STERR	39,4114	-26,6358	55,7009	-4,1424	-58,552
32	32	56	STERR	45,1808	-27,6206	61,5629	-1,3881	-59,327
32	32	42	SSOVRdx	7,609	-15,2649	31,9705	-1,956	-32,071
32	32	55	SSOVRdx	7,2983	-14,1567	29,1608	-1,8687	-32,924
32	32	56	SSOVRdx	4,4345	-13,1777	26,7533	-3,3461	-30,559

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
32	32	42	SSOVRsx	15,6791	4,9434	16,2698	-25,6933	83,186
32	32	55	SSOVRsx	15,2168	1,8458	15,316	-19,118	86,923
32	32	56	SSOVRsx	23,135	-0,7277	23,1484	-16,6118	-88,951
32	32	42	SW2	-50,6963	9,663	48,7856	-51,6349	5,548
32	32	55	SW2	-55,0531	21,4017	24,5951	-60,8039	15,04
32	32	56	SW2	-84,1165	33,1231	24,4937	-94,2181	16,96
33	33	49	DEAD	6,9274	-3,2865	8,1375	-1,9988	-69,787
33	33	63	DEAD	7,0355	-3,4893	8,4235	-1,7366	-68,309
33	33	64	DEAD	7,575	-3,6637	9,0453	-1,5546	-68,135
33	33	49	STERR	-43,7018	31,5888	-0,4166	-66,7548	36,121
33	33	63	STERR	-40,0772	30,1866	3,8076	-60,8413	34,523
33	33	64	STERR	-37,0973	27,7748	1,239	-57,2203	35,924
33	33	49	SSOVRdx	-21,8831	5,8195	10,1208	-22,9413	10,306
33	33	63	SSOVRdx	-20,2339	5,654	12,5614	-21,2087	9,782
33	33	64	SSOVRdx	-20,3303	4,7398	9,8622	-21,0743	8,922
33	33	49	SSOVRsx	-5,2881	10,1358	1,0411	-21,5202	58,018
33	33	63	SSOVRsx	-5,427	9,845	0,6576	-21,3563	58,282
33	33	64	SSOVRsx	-4,4125	9,867	1,8519	-19,9541	57,589
33	33	49	SW2	87,1348	-41,3393	102,3555	-25,1419	-69,787
33	33	63	SW2	88,4953	-43,8896	105,9534	-21,8432	-68,309
33	33	64	SW2	95,2811	-46,0829	113,7741	-19,5537	-68,135
34	34	56	DEAD	-6,9274	3,2865	1,9988	-8,1375	20,213
34	34	71	DEAD	-7,0355	3,4893	1,7366	-8,4235	21,691
34	34	72	DEAD	-7,575	3,6637	1,5546	-9,0453	21,865
34	34	56	STERR	43,7018	-31,5888	66,7548	0,4166	-53,879
34	34	71	STERR	40,0772	-30,1866	60,8413	-3,8076	-55,477
34	34	72	STERR	37,0973	-27,7748	57,2203	-1,239	-54,076
34	34	56	SSOVRdx	5,2881	-10,1358	21,5202	-1,0411	-31,982
34	34	71	SSOVRdx	5,427	-9,845	21,3563	-0,6576	-31,718
34	34	72	SSOVRdx	4,4125	-9,867	19,9541	-1,8519	-32,411
34	34	56	SSOVRsx	21,8831	-5,8195	22,9413	-10,1208	-79,694
34	34	71	SSOVRsx	20,2339	-5,654	21,2087	-12,5614	-80,218
34	34	72	SSOVRsx	20,3303	-4,7398	21,0743	-9,8622	-81,078
34	34	56	SW2	-87,1348	41,3393	25,1419	-102,3555	20,213
34	34	71	SW2	-88,4953	43,8896	21,8432	-105,9534	21,691
34	34	72	SW2	-95,2811	46,0829	19,5537	-113,7741	21,865
35	35	31	DEAD	-2,2361	0,3978	-2,2184	-11,198	87,458
35	35	43	DEAD	-2,6237	0,2414	-2,6181	-13,124	88,683
35	35	44	DEAD	-1,0925	0,6391	-1,0284	-7,4647	84,272
35	35	32	DEAD	-1,1155	0,7955	-1,0151	-7,4191	82,808
35	35	31	STERR	36,558	0,6407	182,793	36,5552	0,251
35	35	43	STERR	33,9698	3,9885	169,9657	33,8528	1,68
35	35	44	STERR	6,4759	7,7261	69,646	5,5309	6,973
35	35	32	STERR	6,423	4,3783	74,8458	6,1429	3,661
35	35	31	SSOVRdx	23,4881	-3,0484	117,5394	23,3893	-1,856
35	35	43	SSOVRdx	26,1265	-1,6784	130,6592	26,0995	-0,92
35	35	44	SSOVRdx	11,7766	-5,5123	75,3649	11,2987	-4,954
35	35	32	SSOVRdx	10,4565	-6,8824	69,3207	9,6518	-6,669
35	35	31	SSOVRsx	-5,864	2,2792	-5,6446	-29,5393	84,501
35	35	43	SSOVRsx	-8,5083	2,6109	-8,3092	-42,7407	85,639
35	35	44	SSOVRsx	-8,106	6,9108	-6,5124	-38,0761	77,015
35	35	32	SSOVRsx	-6,3039	6,5791	-4,4474	-29,619	74,242
35	35	31	SW2	-28,1261	5,0038	-27,9039	-140,8524	87,458
35	35	43	SW2	-33,0016	3,037	-32,9318	-165,078	88,683
35	35	44	SW2	-13,7423	8,0391	-12,936	-93,8928	84,272
35	35	32	SW2	-14,0308	10,0059	-12,7681	-93,3194	82,808
36	36	32	DEAD	-1,1179	1,0222	-0,9541	-7,4947	80,893
36	36	44	DEAD	-1,0957	0,5585	-1,0468	-7,4655	84,989
36	36	45	DEAD	0,1876	0,4815	0,2334	-4,8844	84,577
36	36	33	DEAD	-0,1437	0,9451	0,0157	-5,7453	80,423
36	36	32	STERR	6,5162	5,0627	75,4034	6,1441	4,203
36	36	44	STERR	6,5501	11,4477	71,1023	4,52	10,056
36	36	45	STERR	-9,8367	13,0164	34,2363	-13,6809	16,454
36	36	33	STERR	-11,8117	6,6315	36,9619	-12,7133	7,743
36	36	32	SSOVRdx	10,4881	-9,768	70,2696	8,892	-9,28
36	36	44	SSOVRdx	11,8091	-6,9783	75,8102	11,0482	-6,223
36	36	45	SSOVRdx	3,0624	-8,0213	52,7911	1,7686	-9,163
36	36	33	SSOVRdx	2,2991	-10,811	51,8182	-0,0611	-12,316
36	36	32	SSOVRsx	-6,2938	9,3362	-2,7956	-31,2102	69,459
36	36	44	SSOVRsx	-8,0977	9,9241	-4,9684	-39,5702	72,499

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
36	36	45	SSOVRsx	-8,0407	11,7401	-3,2086	-36,5644	67,628
36	36	33	SSOVRsx	-6,8193	11,1522	-1,6888	-31,0611	65,296
36	36	32	SW2	-14,0614	12,8571	-12,0005	-94,2705	80,893
36	36	44	SW2	-13,7825	7,0255	-13,1664	-93,9034	84,989
36	36	45	SW2	2,3602	6,0565	2,9352	-61,438	84,577
36	36	33	SW2	-1,8079	11,888	0,1979	-72,2668	80,423
37	37	33	DEAD	-0,144	0,9057	0,0027	-5,7341	80,797
37	37	45	DEAD	0,1853	0,2607	0,1988	-4,8638	87,044
37	37	46	DEAD	1,0763	0,1299	1,0798	-3,7305	88,453
37	37	34	DEAD	0,556	0,7748	0,6663	-4,8856	81,897
37	37	33	STERR	-11,8059	7,8068	37,3293	-13,0463	9,028
37	37	45	STERR	-9,8224	14,4183	35,0919	-14,4509	17,798
37	37	46	STERR	-19,1001	15,4667	20,004	-25,2176	21,58
37	37	34	STERR	-21,3314	8,8551	22,1609	-23,1343	11,508
37	37	33	SSOVRdx	2,2961	-11,4297	52,0674	-0,3287	-12,933
37	37	45	SSOVRdx	3,0727	-8,3286	52,9395	1,6817	-9,482
37	37	46	SSOVRdx	-2,0211	-8,4469	42,2801	-3,6317	-10,795
37	37	34	SSOVRdx	-2,2399	-11,548	44,0001	-5,1239	-14,022
37	37	33	SSOVRsx	-6,8141	12,3815	-0,7256	-31,9929	63,815
37	37	45	SSOVRsx	-8,0423	12,943	-2,3437	-37,439	66,237
37	37	46	SSOVRsx	-7,9892	13,7129	-1,1923	-35,6554	63,634
37	37	34	SSOVRsx	-7,1121	13,1514	-0,101	-31,7814	61,937
37	37	33	SW2	-1,8116	11,3919	0,0341	-72,1252	80,797
37	37	45	SW2	2,3311	3,2797	2,5005	-61,178	87,044
37	37	46	SW2	13,5376	1,6334	13,5817	-46,9231	88,453
37	37	34	SW2	6,9934	9,7456	8,381	-61,4531	81,897
38	38	34	DEAD	0,5549	0,6338	0,6291	-4,8551	83,318
38	38	46	DEAD	1,0765	-0,0322	1,0767	-3,7262	-89,615
38	38	47	DEAD	2,1737	-0,1965	2,1813	-2,887	-87,777
38	38	35	DEAD	0,9878	0,4696	1,03	-4,2354	84,863
38	38	34	STERR	-21,3569	10,0434	22,5286	-23,6554	12,89
38	38	46	STERR	-19,0917	16,4386	20,7167	-25,8799	22,438
38	38	47	STERR	-27,0284	17,4398	10,8625	-35,0553	24,715
38	38	35	STERR	-30,0557	11,0447	10,8182	-33,0401	15,121
38	38	34	SSOVRdx	-2,2392	-11,4759	43,9698	-5,0892	-13,947
38	38	46	SSOVRdx	-2,0177	-8,3859	42,2742	-3,6055	-10,721
38	38	47	SSOVRdx	-6,9283	-8,1821	34,0743	-8,5611	-11,285
38	38	35	SSOVRdx	-6,0381	-11,2721	37,5709	-8,9517	-14,493
38	38	34	SSOVRsx	-7,1192	13,8294	0,4527	-32,3776	61,298
38	38	46	SSOVRsx	-7,9903	14,2926	-0,7295	-36,1248	63,069
38	38	47	SSOVRsx	-7,8164	14,7689	0,4219	-34,2929	60,847
38	38	35	SSOVRsx	-7,4314	14,3057	0,8197	-32,2344	60,025
38	38	34	SW2	6,9795	7,9724	7,9136	-61,069	83,318
38	38	46	SW2	13,5401	-0,4055	13,5428	-46,8692	-89,615
38	38	47	SW2	27,3414	-2,4714	27,4374	-36,314	-87,777
38	38	35	SW2	12,4251	5,9066	12,9561	-53,2743	84,863
39	39	35	DEAD	1,0038	0,3332	1,0254	-4,1351	86,29
39	39	47	DEAD	2,165	-0,6859	2,2559	-3,0136	-82,456
39	39	48	DEAD	4,3744	-1,2513	4,6294	-1,7652	-78,481
39	39	36	DEAD	4,1283	-0,2322	4,1355	-3,3222	-88,215
39	39	35	STERR	-29,7545	14,6047	14,1929	-34,608	18,383
39	39	47	STERR	-26,966	18,506	11,9483	-35,7667	25,434
39	39	48	STERR	-40,2262	23,9428	-1,4409	-55,0065	31,688
39	39	36	STERR	-40,3415	20,0415	10,9359	-48,1746	21,348
39	39	35	SSOVRdx	-6,0269	-10,2396	37,142	-8,4557	-13,344
39	39	47	SSOVRdx	-6,8604	-7,4617	34,1393	-8,2184	-10,315
39	39	48	SSOVRdx	-15,5197	-4,5383	18,1162	-16,1321	-7,684
39	39	36	SSOVRdx	-14,7131	-7,3162	31,101	-15,8814	-9,073
39	39	35	SSOVRsx	-7,3531	14,9588	1,5478	-32,4926	59,246
39	39	47	SSOVRsx	-7,8436	15,2061	0,7418	-34,7761	60,551
39	39	48	SSOVRsx	-7,3244	15,2701	2,8328	-30,2813	56,37
39	39	36	SSOVRsx	-7,6026	15,0228	1,752	-31,7281	58,09
39	39	35	SW2	12,6257	4,1915	12,8975	-52,0123	86,29
39	39	47	SW2	27,2323	-8,627	28,3749	-37,9064	-82,456
39	39	48	SW2	55,0229	-15,7388	58,2305	-22,2032	-78,481
39	39	36	SW2	51,9265	-2,9203	52,0175	-41,7871	-88,215
40	40	37	DEAD	2,2361	-0,3978	11,198	2,2184	-2,542
40	40	50	DEAD	2,6237	-0,2414	13,124	2,6181	-1,317
40	40	51	DEAD	1,0925	-0,6391	7,4647	1,0284	-5,728
40	40	38	DEAD	1,1155	-0,7955	7,4191	1,0151	-7,192

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
40	40	37	STERR	-36,558	-0,6407	-36,5552	-182,793	-89,749
40	40	50	STERR	-33,9698	-3,9885	-33,8528	-169,9657	-88,32
40	40	51	STERR	-6,4759	-7,7261	-5,5309	-69,646	-83,027
40	40	38	STERR	-6,423	-4,3783	-6,1429	-74,8458	-86,339
40	40	37	SSOVRdx	5,864	-2,2792	29,5393	5,6446	-5,499
40	40	50	SSOVRdx	8,5083	-2,6109	42,7407	8,3092	-4,361
40	40	51	SSOVRdx	8,106	-6,9108	38,0761	6,5124	-12,985
40	40	38	SSOVRdx	6,3039	-6,5791	29,619	4,4474	-15,758
40	40	37	SSOVRsx	-23,4881	3,0484	-23,3893	-117,5394	88,144
40	40	50	SSOVRsx	-26,1265	1,6784	-26,0995	-130,6592	89,08
40	40	51	SSOVRsx	-11,7766	5,5123	-11,2987	-75,3649	85,046
40	40	38	SSOVRsx	-10,4565	6,8824	-9,6518	-69,3207	83,331
40	40	37	SW2	28,1261	-5,0038	140,8524	27,9039	-2,542
40	40	50	SW2	33,0016	-3,037	165,078	32,9318	-1,317
40	40	51	SW2	13,7423	-8,0391	93,8928	12,936	-5,728
40	40	38	SW2	14,0308	-10,0059	93,3194	12,7681	-7,192
41	41	38	DEAD	1,1179	-1,0222	7,4947	0,9541	-9,107
41	41	51	DEAD	1,0957	-0,5585	7,4655	1,0468	-5,011
41	41	52	DEAD	-0,1876	-0,4815	4,8844	-0,2334	-5,423
41	41	39	DEAD	0,1437	-0,9451	5,7453	-0,0157	-9,577
41	41	38	STERR	-6,5162	-5,0627	-6,1441	-75,4034	-85,797
41	41	51	STERR	-6,5501	-11,4477	-4,52	-71,1023	-79,944
41	41	52	STERR	9,8367	-13,0164	13,6809	-34,2363	-73,546
41	41	39	STERR	11,8117	-6,6315	12,7133	-36,9619	-82,257
41	41	38	SSOVRdx	6,2938	-9,3362	31,2102	2,7956	-20,541
41	41	51	SSOVRdx	8,0977	-9,9241	39,5702	4,9684	-17,501
41	41	52	SSOVRdx	8,0407	-11,7401	36,5644	3,2086	-22,372
41	41	39	SSOVRdx	6,8193	-11,1522	31,0611	1,6888	-24,704
41	41	38	SSOVRsx	-10,4881	9,768	-8,892	-70,2696	80,72
41	41	51	SSOVRsx	-11,8091	6,9783	-11,0482	-75,8102	83,777
41	41	52	SSOVRsx	-3,0624	8,0213	-1,7686	-52,7911	80,837
41	41	39	SSOVRsx	-2,2991	10,811	0,0611	-51,8182	77,684
41	41	38	SW2	14,0614	-12,8571	94,2705	12,0005	-9,107
41	41	51	SW2	13,7825	-7,0255	93,9034	13,1664	-5,011
41	41	52	SW2	-2,3602	-6,0565	61,438	-2,9352	-5,423
41	41	39	SW2	1,8079	-11,888	72,2668	-0,1979	-9,577
42	42	39	DEAD	0,144	-0,9057	5,7341	-0,0027	-9,203
42	42	52	DEAD	-0,1853	-0,2607	4,8638	-0,1988	-2,956
42	42	53	DEAD	-1,0763	-0,1299	3,7305	-1,0798	-1,547
42	42	40	DEAD	-0,556	-0,7748	4,8856	-0,6663	-8,103
42	42	39	STERR	11,8059	-7,8068	13,0463	-37,3293	-80,972
42	42	52	STERR	9,8224	-14,4183	14,4509	-35,0919	-72,202
42	42	53	STERR	19,1001	-15,4667	25,2176	-20,004	-68,42
42	42	40	STERR	21,3314	-8,8551	23,1343	-22,1609	-78,492
42	42	39	SSOVRdx	6,8141	-12,3815	31,9929	0,7256	-26,185
42	42	52	SSOVRdx	8,0423	-12,943	37,439	2,3437	-23,763
42	42	53	SSOVRdx	7,9892	-13,7129	35,6554	1,1923	-26,366
42	42	40	SSOVRdx	7,1121	-13,1514	31,7814	0,101	-28,063
42	42	39	SSOVRsx	-2,2961	11,4297	0,3287	-52,0674	77,067
42	42	52	SSOVRsx	-3,0727	8,3286	-1,6817	-52,9395	80,518
42	42	53	SSOVRsx	2,0211	8,4469	3,6317	-42,2801	79,205
42	42	40	SSOVRsx	2,2399	11,548	5,1239	-44,0001	75,978
42	42	39	SW2	1,8116	-11,3919	72,1252	-0,0341	-9,203
42	42	52	SW2	-2,3311	-3,2797	61,178	-2,5005	-2,956
42	42	53	SW2	-13,5376	-1,6334	46,9231	-13,5817	-1,547
42	42	40	SW2	-6,9934	-9,7456	61,4531	-8,381	-8,103
43	43	40	DEAD	-0,5549	-0,6338	4,8551	-0,6291	-6,682
43	43	53	DEAD	-1,0765	0,0322	3,7262	-1,0767	0,385
43	43	54	DEAD	-2,1737	0,1965	2,887	-2,1813	2,223
43	43	41	DEAD	-0,9878	-0,4696	4,2354	-1,03	-5,137
43	43	40	STERR	21,3569	-10,0434	23,6554	-22,5286	-77,11
43	43	53	STERR	19,0917	-16,4386	25,8799	-20,7167	-67,562
43	43	54	STERR	27,0284	-17,4398	35,0553	-10,8625	-65,285
43	43	41	STERR	30,0557	-11,0447	33,0401	-10,8182	-74,879
43	43	40	SSOVRdx	7,1192	-13,8294	32,3776	-0,4527	-28,702
43	43	53	SSOVRdx	7,9903	-14,2926	36,1248	0,7295	-26,931
43	43	54	SSOVRdx	7,8164	-14,7689	34,2929	-0,4219	-29,153
43	43	41	SSOVRdx	7,4314	-14,3057	32,2344	-0,8197	-29,975
43	43	40	SSOVRsx	2,2392	11,4759	5,0892	-43,9698	76,053
43	43	53	SSOVRsx	2,0177	8,3859	3,6055	-42,2742	79,279

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
43	43	54	SSOVRsx	6,9283	8,1821	8,5611	-34,0743	78,715
43	43	41	SSOVRsx	6,0381	11,2721	8,9517	-37,5709	75,507
43	43	40	SW2	-6,9795	-7,9724	61,069	-7,9136	-6,682
43	43	53	SW2	-13,5401	0,4055	46,8692	-13,5428	0,385
43	43	54	SW2	-27,3414	2,4714	36,314	-27,4374	2,223
43	43	41	SW2	-12,4251	-5,9066	53,2743	-12,9561	-5,137
44	44	41	DEAD	-1,0038	-0,3332	4,1351	-1,0254	-3,71
44	44	54	DEAD	-2,165	0,6859	3,0136	-2,2559	7,544
44	44	55	DEAD	-4,3744	1,2513	1,7652	-4,6294	11,519
44	44	42	DEAD	-4,1283	0,2322	3,3222	-4,1355	1,785
44	44	41	STERR	29,7545	-14,6047	34,608	-14,1929	-71,617
44	44	54	STERR	26,966	-18,506	35,7667	-11,9483	-64,566
44	44	55	STERR	40,2262	-23,9428	55,0065	1,4409	-58,312
44	44	42	STERR	40,3415	-20,0415	48,1746	-10,9359	-68,652
44	44	41	SSOVRdx	7,3531	-14,9588	32,4926	-1,5478	-30,754
44	44	54	SSOVRdx	7,8436	-15,2061	34,7761	-0,7418	-29,449
44	44	55	SSOVRdx	7,3244	-15,2701	30,2813	-2,8328	-33,63
44	44	42	SSOVRdx	7,6026	-15,0228	31,7281	-1,752	-31,91
44	44	41	SSOVRsx	6,0269	10,2396	8,4557	-37,142	76,656
44	44	54	SSOVRsx	6,8604	7,4617	8,2184	-34,1393	79,685
44	44	55	SSOVRsx	15,5197	4,5383	16,1321	-18,1162	82,316
44	44	42	SSOVRsx	14,7131	7,3162	15,8814	-31,101	80,927
44	44	41	SW2	-12,6257	-4,1915	52,0123	-12,8975	-3,71
44	44	54	SW2	-27,2323	8,627	37,9064	-28,3749	7,544
44	44	55	SW2	-55,0229	15,7388	22,2032	-58,2305	11,519
44	44	42	SW2	-51,9265	2,9203	41,7871	-52,0175	1,785
45	45	64	DEAD	7,7963	-3,9944	9,4626	-1,7792	-67,356
45	45	80	DEAD	7,9464	-4,1999	9,8232	-1,4524	-65,923
45	45	81	DEAD	8,4631	-4,4112	10,4309	-1,4255	-65,959
45	45	64	STERR	-36,945	26,6039	0,3799	-55,9073	35,48
45	45	80	STERR	-33,9347	26,6444	3,0951	-53,1063	35,737
45	45	81	STERR	-34,3469	25,8511	1,1661	-53,1648	36,052
45	45	64	SSOVRdx	-20,4343	5,6468	9,5094	-21,4992	10,679
45	45	80	SSOVRdx	-19,356	6,7165	9,0934	-20,9417	13,284
45	45	81	SSOVRdx	-22,3564	7,1967	7,1015	-24,1146	13,729
45	45	64	SSOVRsx	-4,4641	8,4746	0,8631	-17,9456	57,846
45	45	80	SSOVRsx	-3,9794	7,6155	0,9604	-15,7199	57,03
45	45	81	SSOVRsx	-1,6738	6,89	2,3214	-13,5561	59,893
45	45	64	SW2	98,0638	-50,2435	119,0232	-22,3788	-67,356
45	45	80	SW2	99,9529	-52,8275	123,5589	-18,2691	-65,923
45	45	81	SW2	106,4515	-55,4852	131,2028	-17,9303	-65,959
46	46	72	DEAD	-7,7963	3,9944	1,7792	-9,4626	22,644
46	46	89	DEAD	-7,9464	4,1999	1,4524	-9,8232	24,077
46	46	90	DEAD	-8,4631	4,4112	1,4255	-10,4309	24,041
46	46	72	STERR	36,945	-26,6039	55,9073	-0,3799	-54,52
46	46	89	STERR	33,9347	-26,6444	53,1063	-3,0951	-54,263
46	46	90	STERR	34,3469	-25,8511	53,1648	-1,1661	-53,948
46	46	72	SSOVRdx	4,4641	-8,4746	17,9456	-0,8631	-32,154
46	46	89	SSOVRdx	3,9794	-7,6155	15,7199	-0,9604	-32,97
46	46	90	SSOVRdx	1,6738	-6,89	13,5561	-2,3214	-30,107
46	46	72	SSOVRsx	20,4343	-5,6468	21,4992	-9,5094	-79,321
46	46	89	SSOVRsx	19,356	-6,7165	20,9417	-9,0934	-76,716
46	46	90	SSOVRsx	22,3564	-7,1967	24,1146	-7,1015	-76,271
46	46	72	SW2	-98,0638	50,2435	22,3788	-119,0232	22,644
46	46	89	SW2	-99,9529	52,8275	18,2691	-123,5589	24,077
46	46	90	SW2	-106,4515	55,4852	17,9303	-131,2028	24,041
47	47	81	DEAD	8,5674	-4,6094	10,7071	-1,3623	-65,099
47	47	99	DEAD	8,6254	-4,9015	11,154	-0,8755	-62,711
47	47	100	DEAD	9,2632	-5,2615	11,8872	-1,2868	-63,493
47	47	81	STERR	-27,0106	19,642	-1,876	-42,3602	38,007
47	47	99	STERR	-22,998	14,7518	5,3503	-30,6744	27,491
47	47	100	STERR	-11,5407	8,878	2,0688	-17,3322	33,118
47	47	81	SSOVRdx	-17,8673	5,433	5,4121	-19,1353	13,137
47	47	99	SSOVRdx	-16,7441	5,0121	7,2484	-17,7911	11,8
47	47	100	SSOVRdx	-15,8862	4,2485	6,255	-16,7014	10,862
47	47	81	SSOVRsx	-2,0207	5,1381	0,911	-11,0256	60,291
47	47	99	SSOVRsx	-1,1261	2,7777	1,4399	-4,1329	47,268
47	47	100	SSOVRsx	4,4048	0,1327	4,4074	-2,2401	88,856
47	47	81	SW2	107,7638	-57,9787	134,6778	-17,1351	-65,099
47	47	99	SW2	108,4927	-61,6524	140,2989	-11,0128	-62,711

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
47	47	100	SW2	116,515	-66,181	149,521	-16,1858	-63,493
48	48	90	DEAD	-8,5674	4,6094	1,3623	-10,7071	24,901
48	48	109	DEAD	-8,6254	4,9015	0,8755	-11,154	27,289
48	48	110	DEAD	-9,2632	5,2615	1,2868	-11,8872	26,507
48	48	90	STERR	27,0106	-19,642	42,3602	1,876	-51,993
48	48	109	STERR	22,998	-14,7518	30,6744	-5,3503	-62,509
48	48	110	STERR	11,5407	-8,878	17,3322	-2,0688	-56,882
48	48	90	SSOVRdx	2,0207	-5,1381	11,0256	-0,911	-29,709
48	48	109	SSOVRdx	1,1261	-2,7777	4,1329	-1,4399	-42,732
48	48	110	SSOVRdx	-4,4048	-0,1327	2,2401	-4,4074	-1,144
48	48	90	SSOVRsx	17,8673	-5,433	19,1353	-5,4121	-76,863
48	48	109	SSOVRsx	16,7441	-5,0121	17,7911	-7,2484	-78,2
48	48	110	SSOVRsx	15,8862	-4,2485	16,7014	-6,255	-79,138
48	48	90	SW2	-107,7638	57,9787	17,1351	-134,6778	24,901
48	48	109	SW2	-108,4927	61,6524	11,0128	-140,2989	27,289
48	48	110	SW2	-116,515	66,181	16,1858	-149,521	26,507
49	49	43	DEAD	-2,6237	0,2538	-2,6176	-13,1246	88,616
49	49	57	DEAD	-2,7413	0,1919	-2,7379	-13,7098	88,998
49	49	58	DEAD	-1,03	0,3432	-1,0107	-7,1308	86,781
49	49	44	DEAD	-1,1254	0,405	-1,0994	-7,4331	86,326
49	49	43	STERR	33,9698	4,248	169,9814	33,8371	1,789
49	49	57	STERR	31,8618	5,3423	159,5323	31,6382	2,396
49	49	58	STERR	6,5245	12,8559	67,2452	3,8026	11,954
49	49	44	STERR	6,8951	11,7616	70,9447	4,7353	10,405
49	49	43	SSOVRdx	26,1265	-1,5735	130,656	26,1028	-0,862
49	49	57	SSOVRdx	26,6996	-1,0806	133,509	26,6887	-0,58
49	49	58	SSOVRdx	12,3413	-3,2632	76,5702	12,1755	-2,908
49	49	44	SSOVRdx	11,9602	-3,7561	75,1471	11,7369	-3,402
49	49	43	SSOVRsx	-8,5083	2,6509	-8,3031	-42,7469	85,573
49	49	57	SSOVRsx	-9,6607	2,786	-9,4609	-48,5032	85,898
49	49	58	SSOVRsx	-8,8669	7,4761	-7,1663	-41,734	77,185
49	49	44	SSOVRsx	-8,0693	7,341	-6,2843	-38,2602	76,334
49	49	43	SW2	-33,0016	3,1921	-32,9245	-165,0853	88,616
49	49	57	SW2	-34,4809	2,4142	-34,4386	-172,4466	88,998
49	49	58	SW2	-12,9556	4,3165	-12,7128	-89,6936	86,781
49	49	44	SW2	-14,1554	5,0944	-13,8283	-93,4962	86,326
50	50	44	DEAD	-1,1286	0,304	-1,1139	-7,4377	87,241
50	50	58	DEAD	-1,032	0,0849	-1,0309	-7,123	89,201
50	50	59	DEAD	0,4605	-0,1847	0,4677	-4,2692	-87,763
50	50	45	DEAD	0,1596	0,0344	0,1599	-4,8446	89,606
50	50	44	STERR	6,9693	15,2339	72,6873	3,438	13,051
50	50	58	STERR	6,5917	17,4693	69,6955	1,7556	15,474
50	50	59	STERR	-8,9244	19,7534	36,5624	-17,5026	23,474
50	50	45	STERR	-9,9167	17,518	36,9272	-16,4678	20,504
50	50	44	SSOVRdx	11,9926	-5,3058	75,5292	11,5496	-4,774
50	50	58	SSOVRdx	12,3716	-4,2437	76,8349	12,0922	-3,766
50	50	59	SSOVRdx	3,4396	-4,8323	52,4109	2,9628	-5,635
50	50	45	SSOVRdx	3,0774	-5,8943	52,2074	2,3702	-6,841
50	50	44	SSOVRsx	-8,061	10,3268	-4,7004	-39,7942	71,974
50	50	58	SSOVRsx	-8,8578	10,5651	-5,6109	-43,2351	72,916
50	50	59	SSOVRsx	-8,5517	12,4052	-3,4948	-38,9831	67,822
50	50	45	SSOVRsx	-8,0564	12,1668	-2,9193	-36,8725	67,109
50	50	44	SW2	-14,1956	3,8244	-14,0113	-93,5543	87,241
50	50	58	SW2	-12,9814	1,0681	-12,9665	-89,595	89,201
50	50	59	SW2	5,7925	-2,3238	5,8832	-53,6994	-87,763
50	50	45	SW2	2,0079	0,4325	2,0109	-60,9364	89,606
51	51	45	DEAD	0,1573	-0,188	0,1644	-4,8629	-87,856
51	51	59	DEAD	0,4563	-0,5036	0,5092	-4,3359	-84,001
51	51	60	DEAD	1,507	-0,7294	1,6204	-3,1832	-81,16
51	51	46	DEAD	1,0904	-0,4138	1,1257	-3,7594	-85,123
51	51	45	STERR	-9,9024	18,9237	37,9335	-17,3885	21,584
51	51	59	STERR	-8,915	21,3068	37,7578	-18,6419	24,537
51	51	60	STERR	-17,5782	22,2469	24,1522	-29,4383	28,063
51	51	46	STERR	-19,1398	19,8638	23,1981	-28,4594	25,135
51	51	45	SSOVRdx	3,0877	-6,1987	52,3318	2,3074	-7,174
51	51	59	SSOVRdx	3,438	-4,9785	52,4317	2,9321	-5,802
51	51	60	SSOVRdx	-1,7125	-5,0032	41,1302	-2,2968	-6,661
51	51	46	SSOVRdx	-2,0734	-6,2235	41,547	-2,9614	-8,12
51	51	45	SSOVRsx	-8,0581	13,3573	-2,0495	-37,752	65,78
51	51	59	SSOVRsx	-8,5441	13,57	-2,6494	-39,783	66,52

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
51	51	60	SSOVRsx	-8,3423	14,2837	-1,3071	-37,3427	63,778
51	51	46	SSOVRsx	-7,9873	14,0711	-0,9043	-35,941	63,281
51	51	45	SW2	1,9788	-2,3644	2,0673	-61,1677	-87,856
51	51	59	SW2	5,7395	-6,3339	6,4051	-54,5389	-84,001
51	51	60	SW2	18,9555	-9,1748	20,3823	-40,0396	-81,16
51	51	46	SW2	13,7158	-5,2053	14,16	-47,2875	-85,123
52	52	46	DEAD	1,0906	-0,623	1,17	-3,8025	-82,744
52	52	60	DEAD	1,5061	-0,9898	1,7108	-3,2792	-78,313
52	52	61	DEAD	2,5485	-1,2255	2,844	-2,5343	-76,444
52	52	47	DEAD	2,1435	-0,8587	2,2861	-3,028	-80,572
52	52	46	STERR	-19,1314	20,755	23,9253	-29,1361	25,736
52	52	60	STERR	-17,5753	23,0382	24,8244	-30,0933	28,518
52	52	61	STERR	-25,1838	23,9588	14,9972	-39,4697	30,806
52	52	47	STERR	-27,0181	21,6755	14,2284	-38,4089	27,722
52	52	46	SSOVRdx	-2,0701	-6,1191	41,5347	-2,9287	-7,988
52	52	60	SSOVRdx	-1,7379	-4,8777	40,9759	-2,2949	-6,515
52	52	61	SSOVRdx	-6,4377	-4,5872	32,0164	-6,9849	-6,803
52	52	47	SSOVRdx	-6,7589	-5,8286	33,323	-7,6065	-8,274
52	52	46	SSOVRsx	-7,9884	14,6376	-0,4482	-36,4039	62,746
52	52	60	SSOVRsx	-8,3157	14,8224	-0,8288	-37,661	63,202
52	52	61	SSOVRsx	-8,0478	15,2378	0,4556	-35,3536	60,837
52	52	47	SSOVRsx	-7,9209	15,0531	0,58	-34,5765	60,546
52	52	46	SW2	13,7183	-7,8365	14,7161	-47,8287	-82,744
52	52	60	SW2	18,9438	-12,4502	21,5191	-41,2463	-78,313
52	52	61	SW2	32,0559	-15,4148	35,7726	-31,8767	-76,444
52	52	47	SW2	26,9614	-10,8011	28,7549	-38,0875	-80,572
53	53	47	DEAD	2,1348	-1,3013	2,4496	-3,2437	-76,399
53	53	61	DEAD	2,551	-1,6345	3,0567	-2,7322	-72,809
53	53	62	DEAD	5,0502	-2,1556	5,7377	-1,7089	-72,311
53	53	48	DEAD	4,2698	-1,8224	4,7948	-2,0561	-73,929
53	53	47	STERR	-26,9557	23,6465	16,128	-39,9341	28,76
53	53	61	STERR	-25,2075	25,3143	16,1044	-40,7191	31,498
53	53	62	STERR	-38,2876	26,0672	2,3774	-54,9973	32,661
53	53	48	STERR	-41,3666	24,3994	-1,5118	-56,304	31,475
53	53	47	SSOVRdx	-6,691	-4,7909	33,3879	-7,2637	-6,817
53	53	61	SSOVRdx	-6,4726	-3,7492	31,6634	-6,8412	-5,615
53	53	62	SSOVRdx	-15,8877	-2,6557	17,1666	-16,101	-4,594
53	53	48	SSOVRdx	-16,0872	-3,6975	17,7939	-16,4907	-6,228
53	53	47	SSOVRsx	-7,9481	15,4501	0,8672	-35,0269	60,293
53	53	61	SSOVRsx	-8,0229	15,516	0,7418	-35,4906	60,539
53	53	62	SSOVRsx	-6,9728	15,4321	3,4503	-29,821	55,964
53	53	48	SSOVRsx	-7,1196	15,3662	3,0759	-30,2788	56,436
53	53	47	SW2	26,8523	-16,3676	30,8122	-40,7998	-76,399
53	53	61	SW2	32,0867	-20,5597	38,4476	-34,367	-72,809
53	53	62	SW2	63,5227	-27,1143	72,1702	-21,4948	-72,311
53	53	48	SW2	53,707	-22,9221	60,3104	-25,8621	-73,929
54	54	48	DEAD	4,2722	-2,2272	5,0297	-2,2766	-71,217
54	54	62	DEAD	5,0401	-2,5805	5,9838	-2,0155	-69,911
54	54	63	DEAD	7,049	-3,1612	8,2239	-1,4565	-69,612
54	54	49	DEAD	6,8633	-2,8079	7,753	-1,9987	-72,419
54	54	48	STERR	-40,5518	26,1074	3,2027	-56,1296	30,824
54	54	62	STERR	-38,2643	26,2854	2,665	-55,1451	32,709
54	54	63	STERR	-40,267	29,603	2,5575	-60,7304	34,655
54	54	49	STERR	-41,8744	29,4251	4,3845	-60,5916	32,46
54	54	48	SSOVRdx	-15,7842	-1,8419	19,0028	-15,8818	-3,031
54	54	62	SSOVRdx	-15,8035	-1,2421	17,4204	-15,85	-2,141
54	54	63	SSOVRdx	-20,4691	3,1769	10,7338	-20,7926	5,813
54	54	49	SSOVRdx	-20,261	2,5771	17,3498	-20,4376	3,92
54	54	48	SSOVRsx	-7,0936	14,6978	2,5194	-29,5658	56,814
54	54	62	SSOVRsx	-7,0354	14,5703	2,5157	-29,2623	56,754
54	54	63	SSOVRsx	-5,273	11,9621	2,9338	-22,7088	55,547
54	54	49	SSOVRsx	-6,1115	12,0896	1,0632	-26,4828	59,313
54	54	48	SW2	53,7373	-28,0146	63,265	-28,6352	-71,217
54	54	62	SW2	63,3959	-32,4577	75,2667	-25,3521	-69,911
54	54	63	SW2	88,664	-39,7623	103,4422	-18,3202	-69,612
54	54	49	SW2	86,3291	-35,3192	97,52	-25,1405	-72,419
55	55	50	DEAD	2,6237	-0,2538	13,1246	2,6176	-1,384
55	55	65	DEAD	2,7413	-0,1919	13,7098	2,7379	-1,002
55	55	66	DEAD	1,03	-0,3432	7,1308	1,0107	-3,219
55	55	51	DEAD	1,1254	-0,405	7,4331	1,0994	-3,674

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
55	55	50	STERR	-33,9698	-4,248	-33,8371	-169,9814	-88,211
55	55	65	STERR	-31,8618	-5,3423	-31,6382	-159,5323	-87,604
55	55	66	STERR	-6,5245	-12,8559	-3,8026	-67,2452	-78,046
55	55	51	STERR	-6,8951	-11,7616	-4,7353	-70,9447	-79,595
55	55	50	SSOVRdx	8,5083	-2,6509	42,7469	8,3031	-4,427
55	55	65	SSOVRdx	9,6607	-2,786	48,5032	9,4609	-4,102
55	55	66	SSOVRdx	8,8669	-7,4761	41,734	7,1663	-12,815
55	55	51	SSOVRdx	8,0693	-7,341	38,2602	6,2843	-13,666
55	55	50	SSOVRsx	-26,1265	1,5735	-26,1028	-130,656	89,138
55	55	65	SSOVRsx	-26,6996	1,0806	-26,6887	-133,509	89,42
55	55	66	SSOVRsx	-12,3413	3,2632	-12,1755	-76,5702	87,092
55	55	51	SSOVRsx	-11,9602	3,7561	-11,7369	-75,1471	86,598
55	55	50	SW2	33,0016	-3,1921	165,0853	32,9245	-1,384
55	55	65	SW2	34,4809	-2,4142	172,4466	34,4386	-1,002
55	55	66	SW2	12,9556	-4,3165	89,6936	12,7128	-3,219
55	55	51	SW2	14,1554	-5,0944	93,4962	13,8283	-3,674
56	56	51	DEAD	1,1286	-0,304	7,4377	1,1139	-2,759
56	56	66	DEAD	1,032	-0,0849	7,123	1,0309	-0,799
56	56	67	DEAD	-0,4605	0,1847	4,2692	-0,4677	2,237
56	56	52	DEAD	-0,1596	-0,0344	4,8446	-0,1599	-0,394
56	56	51	STERR	-6,9693	-15,2339	-3,438	-72,6873	-76,949
56	56	66	STERR	-6,5917	-17,4693	-1,7556	-69,6955	-74,526
56	56	67	STERR	8,9244	-19,7534	17,5026	-36,5624	-66,526
56	56	52	STERR	9,9167	-17,518	16,4678	-36,9272	-69,496
56	56	51	SSOVRdx	8,061	-10,3268	39,7942	4,7004	-18,026
56	56	66	SSOVRdx	8,8578	-10,5651	43,2351	5,6109	-17,084
56	56	67	SSOVRdx	8,5517	-12,4052	38,9831	3,4948	-22,178
56	56	52	SSOVRdx	8,0564	-12,1668	36,8725	2,9193	-22,891
56	56	51	SSOVRsx	-11,9926	5,3058	-11,5496	-75,5292	85,226
56	56	66	SSOVRsx	-12,3716	4,2437	-12,0922	-76,8349	86,234
56	56	67	SSOVRsx	-3,4396	4,8323	-2,9628	-52,4109	84,365
56	56	52	SSOVRsx	-3,0774	5,8943	-2,3702	-52,2074	83,159
56	56	51	SW2	14,1956	-3,8244	93,5543	14,0113	-2,759
56	56	66	SW2	12,9814	-1,0681	89,595	12,9665	-0,799
56	56	67	SW2	-5,7925	2,3238	53,6994	-5,8832	2,237
56	56	52	SW2	-2,0079	-0,4325	60,9364	-2,0109	-0,394
57	57	52	DEAD	-0,1573	0,188	4,8629	-0,1644	2,144
57	57	67	DEAD	-0,4563	0,5036	4,3359	-0,5092	5,999
57	57	68	DEAD	-1,507	0,7294	3,1832	-1,6204	8,84
57	57	53	DEAD	-1,0904	0,4138	3,7594	-1,1257	4,877
57	57	52	STERR	9,9024	-18,9237	17,3885	-37,9335	-68,416
57	57	67	STERR	8,915	-21,3068	18,6419	-37,7578	-65,463
57	57	68	STERR	17,5782	-22,2469	29,4383	-24,1522	-61,937
57	57	53	STERR	19,1398	-19,8638	28,4594	-23,1981	-64,865
57	57	52	SSOVRdx	8,0581	-13,3573	37,752	2,0495	-24,22
57	57	67	SSOVRdx	8,5441	-13,57	39,783	2,6494	-23,48
57	57	68	SSOVRdx	8,3423	-14,2837	37,3427	1,3071	-26,222
57	57	53	SSOVRdx	7,9873	-14,0711	35,941	0,9043	-26,719
57	57	52	SSOVRsx	-3,0877	6,1987	-2,3074	-52,3318	82,826
57	57	67	SSOVRsx	-3,438	4,9785	-2,9321	-52,4317	84,198
57	57	68	SSOVRsx	1,7125	5,0032	2,2968	-41,1302	83,339
57	57	53	SSOVRsx	2,0734	6,2235	2,9614	-41,547	81,88
57	57	52	SW2	-1,9788	2,3644	61,1677	-2,0673	2,144
57	57	67	SW2	-5,7395	6,3339	54,5389	-6,4051	5,999
57	57	68	SW2	-18,9555	9,1748	40,0396	-20,3823	8,84
57	57	53	SW2	-13,7158	5,2053	47,2875	-14,16	4,877
58	58	53	DEAD	-1,0906	0,623	3,8025	-1,17	7,256
58	58	68	DEAD	-1,5061	0,9898	3,2792	-1,7108	11,687
58	58	69	DEAD	-2,5485	1,2255	2,5343	-2,844	13,556
58	58	54	DEAD	-2,1435	0,8587	3,028	-2,2861	9,428
58	58	53	STERR	19,1314	-20,755	29,1361	-23,9253	-64,264
58	58	68	STERR	17,5753	-23,0382	30,0933	-24,8244	-61,482
58	58	69	STERR	25,1838	-23,9588	39,4697	-14,9972	-59,194
58	58	54	STERR	27,0181	-21,6755	38,4089	-14,2284	-62,278
58	58	53	SSOVRdx	7,9884	-14,6376	36,4039	0,4482	-27,254
58	58	68	SSOVRdx	8,3157	-14,8224	37,661	0,8288	-26,798
58	58	69	SSOVRdx	8,0478	-15,2378	35,3536	-0,4556	-29,163
58	58	54	SSOVRdx	7,9209	-15,0531	34,5765	-0,58	-29,454
58	58	53	SSOVRsx	2,0701	6,1191	2,9287	-41,5347	82,012
58	58	68	SSOVRsx	1,7379	4,8777	2,2949	-40,9759	83,485

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
58	58	69	SSOVRsx	6,4377	4,5872	6,9849	-32,0164	83,197
58	58	54	SSOVRsx	6,7589	5,8286	7,6065	-33,323	81,726
58	58	53	SW2	-13,7183	7,8365	47,8287	-14,7161	7,256
58	58	68	SW2	-18,9438	12,4502	41,2463	-21,5191	11,687
58	58	69	SW2	-32,0559	15,4148	31,8767	-35,7726	13,556
58	58	54	SW2	-26,9614	10,8011	38,0875	-28,7549	9,428
59	59	54	DEAD	-2,1348	1,3013	3,2437	-2,4496	13,601
59	59	69	DEAD	-2,551	1,6345	2,7322	-3,0567	17,191
59	59	70	DEAD	-5,0502	2,1556	1,7089	-5,7377	17,689
59	59	55	DEAD	-4,2698	1,8224	2,0561	-4,7948	16,071
59	59	54	STERR	26,9557	-23,6465	39,9341	-16,128	-61,24
59	59	69	STERR	25,2075	-25,3143	40,7191	-16,1044	-58,502
59	59	70	STERR	38,2876	-26,0672	54,9973	-2,3774	-57,339
59	59	55	STERR	41,3666	-24,3994	56,304	1,5118	-58,525
59	59	54	SSOVRdx	7,9481	-15,4501	35,0269	-0,8672	-29,707
59	59	69	SSOVRdx	8,0229	-15,516	35,4906	-0,7418	-29,461
59	59	70	SSOVRdx	6,9728	-15,4321	29,821	-3,4503	-34,036
59	59	55	SSOVRdx	7,1196	-15,3662	30,2788	-3,0759	-33,564
59	59	54	SSOVRsx	6,691	4,7909	7,2637	-33,3879	83,183
59	59	69	SSOVRsx	6,4726	3,7492	6,8412	-31,6634	84,385
59	59	70	SSOVRsx	15,8877	2,6557	16,101	-17,1666	85,406
59	59	55	SSOVRsx	16,0872	3,6975	16,4907	-17,7939	83,772
59	59	54	SW2	-26,8523	16,3676	40,7998	-30,8122	13,601
59	59	69	SW2	-32,0867	20,5597	34,367	-38,4476	17,191
59	59	70	SW2	-63,5227	27,1143	21,4948	-72,1702	17,689
59	59	55	SW2	-53,707	22,9221	25,8621	-60,3104	16,071
60	60	55	DEAD	-4,2722	2,2272	2,2766	-5,0297	18,783
60	60	70	DEAD	-5,0401	2,5805	2,0155	-5,9838	20,089
60	60	71	DEAD	-7,049	3,1612	1,4565	-8,2239	20,388
60	60	56	DEAD	-6,8633	2,8079	1,9987	-7,753	17,581
60	60	55	STERR	40,5518	-26,1074	56,1296	-3,2027	-59,176
60	60	70	STERR	38,2643	-26,2854	55,1451	-2,665	-57,291
60	60	71	STERR	40,267	-29,603	60,7304	-2,5575	-55,345
60	60	56	STERR	41,8744	-29,4251	60,5916	-4,3845	-57,54
60	60	55	SSOVRdx	7,0936	-14,6978	29,5658	-2,5194	-33,186
60	60	70	SSOVRdx	7,0354	-14,5703	29,2623	-2,5157	-33,246
60	60	71	SSOVRdx	5,273	-11,9621	22,7088	-2,9338	-34,453
60	60	56	SSOVRdx	6,1115	-12,0896	26,4828	-1,0632	-30,687
60	60	55	SSOVRsx	15,7842	1,8419	15,8818	-19,0028	86,969
60	60	70	SSOVRsx	15,8035	1,2421	15,85	-17,4204	87,859
60	60	71	SSOVRsx	20,4691	-3,1769	20,7926	-10,7338	-84,187
60	60	56	SSOVRsx	20,261	-2,5771	20,4376	-17,3498	-86,08
60	60	55	SW2	-53,7373	28,0146	28,6352	-63,265	18,783
60	60	70	SW2	-63,3959	32,4577	25,3521	-75,2667	20,089
60	60	71	SW2	-88,664	39,7623	18,3202	-103,4422	20,388
60	60	56	SW2	-86,3291	35,3192	25,1405	-97,52	17,581
61	61	57	DEAD	-2,7413	0,2126	-2,7372	-13,7106	88,889
61	61	73	DEAD	-2,8491	0,1427	-2,8473	-14,2472	89,283
61	61	74	DEAD	-0,8528	0,1219	-0,8501	-6,5216	88,768
61	61	58	DEAD	-1,0272	0,1918	-1,0212	-7,117	88,196
61	61	57	STERR	31,8618	5,4633	159,5425	31,628	2,45
61	61	73	STERR	29,2438	6,4613	146,5749	28,888	3,152
61	61	74	STERR	6,1273	15,8355	63,5301	1,7588	15,422
61	61	58	STERR	6,5328	14,8375	68,1007	2,9571	13,55
61	61	57	SSOVRdx	26,6996	-1,0357	133,5081	26,6896	-0,556
61	61	73	SSOVRdx	27,0476	-0,5689	135,2409	27,0446	-0,301
61	61	74	SSOVRdx	12,7503	-1,8738	77,3548	12,696	-1,661
61	61	58	SSOVRdx	12,3421	-2,3406	76,4899	12,2567	-2,09
61	61	57	SSOVRsx	-9,6607	2,8114	-9,4572	-48,5069	85,861
61	61	73	SSOVRsx	-10,8904	2,9636	-10,6897	-54,6528	86,126
61	61	74	SSOVRsx	-9,7178	7,888	-7,975	-45,4196	77,541
61	61	58	SSOVRsx	-8,8656	7,7358	-7,0512	-41,8476	76,8
61	61	57	SW2	-34,4809	2,6748	-34,429	-172,4562	88,889
61	61	73	SW2	-35,8367	1,7954	-35,8143	-179,2062	89,283
61	61	74	SW2	-10,7262	1,533	-10,6933	-82,0302	88,768
61	61	58	SW2	-12,9204	2,4124	-12,8445	-89,5198	88,196
62	62	58	DEAD	-1,0293	-0,0888	-1,028	-7,1225	-89,165
62	62	74	DEAD	-0,8633	-0,3597	-0,8407	-6,5943	-86,408
62	62	75	DEAD	0,9301	-0,7624	1,0581	-3,6115	-80,471
62	62	59	DEAD	0,4598	-0,4915	0,5104	-4,3128	-84,12

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
62	62	58	STERR	6,6	19,3787	70,7179	0,7431	16,817
62	62	74	STERR	6,1874	21,3932	66,9893	-1,3398	19,384
62	62	75	STERR	-8,0276	24,087	38,0408	-20,6216	27,603
62	62	59	STERR	-8,9284	22,0725	38,2992	-19,2443	25,05
62	62	58	SSOVRdx	12,3724	-3,3461	76,7297	12,1984	-2,976
62	62	74	SSOVRdx	12,7725	-2,3219	77,4949	12,6892	-2,055
62	62	75	SSOVRdx	3,8142	-2,6269	52,285	3,6718	-3,102
62	62	59	SSOVRdx	3,4393	-3,6511	52,2074	3,1659	-4,282
62	62	58	SSOVRsx	-8,8566	10,8061	-5,4733	-43,3711	72,615
62	62	74	SSOVRsx	-9,7013	11,0377	-6,4237	-46,8721	73,461
62	62	75	SSOVRsx	-9,0741	12,8653	-3,9213	-41,1959	68,173
62	62	59	SSOVRsx	-8,5508	12,6337	-3,3335	-39,1433	67,561
62	62	58	SW2	-12,9463	-1,1172	-12,93	-89,5894	-89,165
62	62	74	SW2	-10,859	-4,5246	-10,575	-82,9451	-86,408
62	62	75	SW2	11,6994	-9,5898	13,3093	-45,4268	-80,471
62	62	59	SW2	5,783	-6,1824	6,4197	-54,2472	-84,12
63	63	59	DEAD	0,4555	-0,8127	0,591	-4,4187	-80,534
63	63	75	DEAD	0,9335	-1,1759	1,228	-3,7612	-75,938
63	63	76	DEAD	2,1007	-1,4582	2,5386	-2,7549	-73,284
63	63	60	DEAD	1,5044	-1,095	1,753	-3,3189	-77,209
63	63	59	STERR	-8,919	23,5882	39,5174	-20,4063	25,966
63	63	75	STERR	-8,0148	25,7521	39,4753	-21,9791	28,469
63	63	76	STERR	-15,8467	26,7064	27,2913	-32,3804	31,761
63	63	60	STERR	-17,5716	24,5425	26,0892	-31,3674	29,341
63	63	59	SSOVRdx	3,4376	-3,8338	52,227	3,1363	-4,493
63	63	75	SSOVRdx	3,8458	-2,6606	52,4464	3,7002	-3,133
63	63	76	SSOVRdx	-1,3897	-2,5813	40,0972	-1,5504	-3,56
63	63	60	SSOVRdx	-1,7072	-3,7546	40,878	-2,0382	-5,039
63	63	59	SSOVRsx	-8,5432	13,8159	-2,4681	-39,9632	66,264
63	63	75	SSOVRsx	-9,0977	14,0067	-3,1539	-42,1047	67,006
63	63	76	SSOVRsx	-8,5189	14,6488	-1,3462	-38,4359	63,911
63	63	60	SSOVRsx	-8,3417	14,4581	-1,168	-37,481	63,611
63	63	59	SW2	5,73	-10,2221	7,4344	-55,5795	-80,534
63	63	75	SW2	11,742	-14,7909	15,4468	-47,309	-75,938
63	63	76	SW2	26,4227	-18,3418	31,9311	-34,6519	-73,284
63	63	60	SW2	18,9226	-13,773	22,0493	-41,7461	-77,209
64	64	60	DEAD	1,5035	-1,3473	1,8705	-3,442	-74,76
64	64	76	DEAD	2,1011	-1,7412	2,705	-2,9187	-70,871
64	64	77	DEAD	3,28	-2,0026	4,0106	-2,209	-69,957
64	64	61	DEAD	2,5494	-1,6087	3,0397	-2,7289	-73,05
64	64	60	STERR	-17,5688	25,3724	26,8128	-32,0739	29,756
64	64	76	STERR	-15,8385	27,4503	27,9909	-33,0306	32,059
64	64	77	STERR	-22,6622	28,1043	18,9244	-41,6552	34,051
64	64	61	STERR	-25,2129	26,0264	16,8206	-41,328	31,765
64	64	60	SSOVRdx	-1,7326	-3,6205	40,7286	-2,0413	-4,874
64	64	76	SSOVRdx	-1,2728	-2,4353	40,6627	-1,4142	-3,324
64	64	77	SSOVRdx	-6,0256	-2,2281	30,6828	-6,1608	-3,473
64	64	61	SSOVRdx	-6,454	-3,4132	31,7708	-6,7588	-5,103
64	64	60	SSOVRsx	-8,315	14,9979	-0,6867	-37,8023	63,041
64	64	76	SSOVRsx	-8,6298	15,1499	-1,1465	-39,3006	63,713
64	64	77	SSOVRsx	-8,0345	15,5468	0,6522	-35,8589	60,806
64	64	61	SSOVRsx	-8,0459	15,3948	0,5908	-35,4866	60,707
64	64	60	SW2	18,9109	-16,9473	23,5281	-43,2947	-74,76
64	64	76	SW2	26,4282	-21,9008	34,0246	-36,7128	-70,871
64	64	77	SW2	41,2568	-25,1887	50,4464	-27,7855	-69,957
64	64	61	SW2	32,0673	-20,2352	38,2346	-34,3251	-73,05
65	65	61	DEAD	2,5519	-2,0167	3,2893	-2,9638	-69,916
65	65	77	DEAD	3,2664	-2,3966	4,2562	-2,5363	-67,558
65	65	78	DEAD	5,9082	-2,8791	7,0135	-1,5914	-68,998
65	65	62	DEAD	5,0525	-2,4992	5,9487	-1,9171	-70,273
65	65	61	STERR	-25,2366	27,012	17,6145	-42,2641	32,226
65	65	77	STERR	-22,6201	28,5886	19,5319	-42,0097	34,146
65	65	78	STERR	-34,8595	29,1999	6,6976	-55,3767	35,094
65	65	62	STERR	-38,2315	27,6233	3,8231	-56,3756	33,299
65	65	61	SSOVRdx	-6,4889	-2,7414	31,4894	-6,6868	-4,129
65	65	77	SSOVRdx	-5,985	-1,6997	30,829	-6,0635	-2,643
65	65	78	SSOVRdx	-15,3949	-0,5179	15,4964	-15,4036	-0,961
65	65	62	SSOVRdx	-15,8555	-1,5596	17,0336	-15,9294	-2,715
65	65	61	SSOVRsx	-8,0211	15,6906	0,893	-35,6396	60,398
65	65	77	SSOVRsx	-8,0536	15,7567	0,7939	-36,1151	60,685

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
65	65	78	SSOVRsx	-6,6359	15,4588	4,0742	-28,949	55,285
65	65	62	SSOVRsx	-6,9846	15,3927	3,4049	-29,7898	55,982
65	65	61	SW2	32,0981	-25,367	41,3733	-37,279	-69,916
65	65	77	SW2	41,0856	-30,1458	53,5364	-31,9029	-67,558
65	65	78	SW2	74,3157	-36,2146	88,2186	-20,0173	-68,998
65	65	62	SW2	63,5518	-31,4359	74,8243	-24,114	-70,273
66	66	62	DEAD	5,0424	-2,9765	6,2522	-2,2811	-67,881
66	66	78	DEAD	5,9074	-3,2444	7,2648	-1,8475	-67,297
66	66	79	DEAD	7,5251	-3,6359	9,0142	-1,3528	-67,729
66	66	63	DEAD	7,0131	-3,368	8,3294	-1,605	-68,654
66	66	62	STERR	-38,2082	28,4071	4,632	-57,0448	33,548
66	66	78	STERR	-34,8302	28,69	6,3264	-54,8299	34,88
66	66	79	STERR	-37,304	28,2211	3,3141	-56,9118	34,791
66	66	63	STERR	-40,5005	27,9381	0,9006	-59,3536	34,012
66	66	62	SSOVRdx	-15,7713	0,4982	17,3879	-15,7788	0,861
66	66	78	SSOVRdx	-15,3999	1,0379	15,4976	-15,4347	1,924
66	66	79	SSOVRdx	-20,0167	3,0771	9,0125	-20,3429	6,051
66	66	63	SSOVRdx	-20,57	2,5374	10,5968	-20,7766	4,654
66	66	62	SSOVRsx	-7,0472	14,1655	2,1364	-28,8971	57,044
66	66	78	SSOVRsx	-6,6125	14,0519	2,8175	-27,5517	56,135
66	66	79	SSOVRsx	-4,7792	12,0116	4,1175	-20,9962	53,473
66	66	63	SSOVRsx	-5,2302	12,1252	3,1178	-22,8415	55,453
66	66	62	SW2	63,425	-37,4399	78,642	-28,6925	-67,881
66	66	78	SW2	74,3056	-40,8096	91,3791	-23,2388	-67,297
66	66	79	SW2	94,6533	-45,734	113,3836	-17,0162	-67,729
66	66	63	SW2	88,2134	-42,3643	104,7697	-20,1884	-68,654
67	67	63	DEAD	6,9997	-3,6629	8,5126	-1,8687	-67,558
67	67	79	DEAD	7,5415	-3,8945	9,2253	-1,4657	-66,618
67	67	80	DEAD	7,9482	-4,0837	9,7401	-1,3587	-66,309
67	67	64	DEAD	7,8114	-3,8521	9,3861	-1,6118	-67,766
67	67	63	STERR	-40,3107	28,3461	1,9912	-59,3051	33,826
67	67	79	STERR	-37,3876	26,8862	1,7557	-55,8548	34,484
67	67	80	STERR	-33,9557	26,5152	2,896	-53,0337	35,735
67	67	64	STERR	-37,0015	27,9751	1,475	-57,3413	36,02
67	67	63	SSOVRdx	-20,3347	4,5706	12,2084	-20,9767	7,995
67	67	79	SSOVRdx	-20,044	4,2746	9,1751	-20,6694	8,323
67	67	80	SSOVRdx	-19,5417	5,4769	7,6811	-20,6436	11,375
67	67	64	SSOVRdx	-20,2983	5,773	10,2167	-21,3905	10,713
67	67	63	SSOVRsx	-5,3842	10,3593	1,153	-21,8004	57,746
67	67	79	SSOVRsx	-4,7942	10,1662	2,331	-19,2993	54,975
67	67	80	SSOVRsx	-3,8056	8,7853	2,4422	-16,1589	54,581
67	67	64	SSOVRsx	-4,6895	8,9784	0,8382	-19,2728	58,381
67	67	63	SW2	88,0447	-46,0727	107,074	-23,5045	-67,558
67	67	79	SW2	94,8593	-48,9858	116,0394	-18,4363	-66,618
67	67	80	SW2	99,9752	-51,3664	122,5139	-17,0902	-66,309
67	67	64	SW2	98,2544	-48,4533	118,0618	-20,2734	-67,766
68	68	65	DEAD	2,7413	-0,2126	13,7106	2,7372	-1,111
68	68	82	DEAD	2,8491	-0,1427	14,2472	2,8473	-0,717
68	68	83	DEAD	0,8528	-0,1219	6,5216	0,8501	-1,232
68	68	66	DEAD	1,0272	-0,1918	7,117	1,0212	-1,804
68	68	65	STERR	-31,8618	-5,4633	-31,628	-159,5425	-87,55
68	68	82	STERR	-29,2438	-6,4613	-28,888	-146,5749	-86,848
68	68	83	STERR	-6,1273	-15,8355	-1,7588	-63,5301	-74,578
68	68	66	STERR	-6,5328	-14,8375	-2,9571	-68,1007	-76,45
68	68	65	SSOVRdx	9,6607	-2,8114	48,5069	9,4572	-4,139
68	68	82	SSOVRdx	10,8904	-2,9636	54,6528	10,6897	-3,874
68	68	83	SSOVRdx	9,7178	-7,888	45,4196	7,975	-12,459
68	68	66	SSOVRdx	8,8656	-7,7358	41,8476	7,0512	-13,2
68	68	65	SSOVRsx	-26,6996	1,0357	-26,6896	-133,5081	89,444
68	68	82	SSOVRsx	-27,0476	0,5689	-27,0446	-135,2409	89,699
68	68	83	SSOVRsx	-12,7503	1,8738	-12,696	-77,3548	88,339
68	68	66	SSOVRsx	-12,3421	2,3406	-12,2567	-76,4899	87,91
68	68	65	SW2	34,4809	-2,6748	172,4562	34,429	-1,111
68	68	82	SW2	35,8367	-1,7954	179,2062	35,8143	-0,717
68	68	83	SW2	10,7262	-1,533	82,0302	10,6933	-1,232
68	68	66	SW2	12,9204	-2,4124	89,5198	12,8445	-1,804
69	69	66	DEAD	1,0293	0,0888	7,1225	1,028	0,835
69	69	83	DEAD	0,8633	0,3597	6,5943	0,8407	3,592
69	69	84	DEAD	-0,9301	0,7624	3,6115	-1,0581	9,529
69	69	67	DEAD	-0,4598	0,4915	4,3128	-0,5104	5,88

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
69	69	66	STERR	-6,6	-19,3787	-0,7431	-70,7179	-73,183
69	69	83	STERR	-6,1874	-21,3932	1,3398	-66,9893	-70,616
69	69	84	STERR	8,0276	-24,087	20,6216	-38,0408	-62,397
69	69	67	STERR	8,9284	-22,0725	19,2443	-38,2992	-64,95
69	69	66	SSOVRdx	8,8566	-10,8061	43,3711	5,4733	-17,385
69	69	83	SSOVRdx	9,7013	-11,0377	46,8721	6,4237	-16,539
69	69	84	SSOVRdx	9,0741	-12,8653	41,1959	3,9213	-21,827
69	69	67	SSOVRdx	8,5508	-12,6337	39,1433	3,3335	-22,439
69	69	66	SSOVRsx	-12,3724	3,3461	-12,1984	-76,7297	87,024
69	69	83	SSOVRsx	-12,7725	2,3219	-12,6892	-77,4949	87,945
69	69	84	SSOVRsx	-3,8142	2,6269	-3,6718	-52,285	86,898
69	69	67	SSOVRsx	-3,4393	3,6511	-3,1659	-52,2074	85,718
69	69	66	SW2	12,9463	1,1172	89,5894	12,93	0,835
69	69	83	SW2	10,859	4,5246	82,9451	10,575	3,592
69	69	84	SW2	-11,6994	9,5898	45,4268	-13,3093	9,529
69	69	67	SW2	-5,783	6,1824	54,2472	-6,4197	5,88
70	70	67	DEAD	-0,4555	0,8127	4,4187	-0,591	9,466
70	70	84	DEAD	-0,9335	1,1759	3,7612	-1,228	14,062
70	70	85	DEAD	-2,1007	1,4582	2,7549	-2,5386	16,716
70	70	68	DEAD	-1,5044	1,095	3,3189	-1,753	12,791
70	70	67	STERR	8,919	-23,5882	20,4063	-39,5174	-64,034
70	70	84	STERR	8,0148	-25,7521	21,9791	-39,4753	-61,531
70	70	85	STERR	15,8467	-26,7064	32,3804	-27,2913	-58,239
70	70	68	STERR	17,5716	-24,5425	31,3674	-26,0892	-60,659
70	70	67	SSOVRdx	8,5432	-13,8159	39,9632	2,4681	-23,736
70	70	84	SSOVRdx	9,0977	-14,0067	42,1047	3,1539	-22,994
70	70	85	SSOVRdx	8,5189	-14,6488	38,4359	1,3462	-26,089
70	70	68	SSOVRdx	8,3417	-14,4581	37,481	1,168	-26,389
70	70	67	SSOVRsx	-3,4376	3,8338	-3,1363	-52,227	85,507
70	70	84	SSOVRsx	-3,8458	2,6606	-3,7002	-52,4464	86,867
70	70	85	SSOVRsx	1,3897	2,5813	1,5504	-40,0972	86,44
70	70	68	SSOVRsx	1,7072	3,7546	2,0382	-40,878	84,961
70	70	67	SW2	-5,73	10,2221	55,5795	-7,4344	9,466
70	70	84	SW2	-11,742	14,7909	47,309	-15,4468	14,062
70	70	85	SW2	-26,4227	18,3418	34,6519	-31,9311	16,716
70	70	68	SW2	-18,9226	13,773	41,7461	-22,0493	12,791
71	71	68	DEAD	-1,5035	1,3473	3,442	-1,8705	15,24
71	71	85	DEAD	-2,1011	1,7412	2,9187	-2,705	19,129
71	71	86	DEAD	-3,28	2,0026	2,209	-4,0106	20,043
71	71	69	DEAD	-2,5494	1,6087	2,7289	-3,0397	16,95
71	71	68	STERR	17,5688	-25,3724	32,0739	-26,8128	-60,244
71	71	85	STERR	15,8385	-27,4503	33,0306	-27,9909	-57,941
71	71	86	STERR	22,6622	-28,1043	41,6552	-18,9244	-55,949
71	71	69	STERR	25,2129	-26,0264	41,328	-16,8206	-58,235
71	71	68	SSOVRdx	8,315	-14,9979	37,8023	0,6867	-26,959
71	71	85	SSOVRdx	8,6298	-15,1499	39,3006	1,1465	-26,287
71	71	86	SSOVRdx	8,0345	-15,5468	35,8589	-0,6522	-29,194
71	71	69	SSOVRdx	8,0459	-15,3948	35,4866	-0,5908	-29,293
71	71	68	SSOVRsx	1,7326	3,6205	2,0413	-40,7286	85,126
71	71	85	SSOVRsx	1,2728	2,4353	1,4142	-40,6627	86,676
71	71	86	SSOVRsx	6,0256	2,2281	6,1608	-30,6828	86,527
71	71	69	SSOVRsx	6,454	3,4132	6,7588	-31,7708	84,897
71	71	68	SW2	-18,9109	16,9473	43,2947	-23,5281	15,24
71	71	85	SW2	-26,4282	21,9008	36,7128	-34,0246	19,129
71	71	86	SW2	-41,2568	25,1887	27,7855	-50,4464	20,043
71	71	69	SW2	-32,0673	20,2352	34,3251	-38,2346	16,95
72	72	69	DEAD	-2,5519	2,0167	2,9638	-3,2893	20,084
72	72	86	DEAD	-3,2664	2,3966	2,5363	-4,2562	22,442
72	72	87	DEAD	-5,9082	2,8791	1,5914	-7,0135	21,002
72	72	70	DEAD	-5,0525	2,4992	1,9171	-5,9487	19,727
72	72	69	STERR	25,2366	-27,012	42,2641	-17,6145	-57,774
72	72	86	STERR	22,6201	-28,5886	42,0097	-19,5319	-55,854
72	72	87	STERR	34,8595	-29,1999	55,3767	-6,6976	-54,906
72	72	70	STERR	38,2315	-27,6233	56,3756	-3,8231	-56,701
72	72	69	SSOVRdx	8,0211	-15,6906	35,6396	-0,893	-29,602
72	72	86	SSOVRdx	8,0536	-15,7567	36,1151	-0,7939	-29,315
72	72	87	SSOVRdx	6,6359	-15,4588	28,949	-4,0742	-34,715
72	72	70	SSOVRdx	6,9846	-15,3927	29,7898	-3,4049	-34,018
72	72	69	SSOVRsx	6,4889	2,7414	6,6868	-31,4894	85,871
72	72	86	SSOVRsx	5,985	1,6997	6,0635	-30,829	87,357

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
72	72	87	SSOVRsx	15,3949	0,5179	15,4036	-15,4964	89,039
72	72	70	SSOVRsx	15,8555	1,5596	15,9294	-17,0336	87,285
72	72	69	SW2	-32,0981	25,367	37,279	-41,3733	20,084
72	72	86	SW2	-41,0856	30,1458	31,9029	-53,5364	22,442
72	72	87	SW2	-74,3157	36,2146	20,0173	-88,2186	21,002
72	72	70	SW2	-63,5518	31,4359	24,114	-74,8243	19,727
73	73	70	DEAD	-5,0424	2,9765	2,2811	-6,2522	22,119
73	73	87	DEAD	-5,9074	3,2444	1,8475	-7,2648	22,703
73	73	88	DEAD	-7,5251	3,6359	1,3528	-9,0142	22,271
73	73	71	DEAD	-7,0131	3,368	1,605	-8,3294	21,346
73	73	70	STERR	38,2082	-28,4071	57,0448	-4,632	-56,452
73	73	87	STERR	34,8302	-28,69	54,8299	-6,3264	-55,12
73	73	88	STERR	37,304	-28,2211	56,9118	-3,3141	-55,209
73	73	71	STERR	40,5005	-27,9381	59,3536	-0,9006	-55,988
73	73	70	SSOVRdx	7,0472	-14,1655	28,8971	-2,1364	-32,956
73	73	87	SSOVRdx	6,6125	-14,0519	27,5517	-2,8175	-33,865
73	73	88	SSOVRdx	4,7792	-12,0116	20,9962	-4,1175	-36,527
73	73	71	SSOVRdx	5,2302	-12,1252	22,8415	-3,1178	-34,547
73	73	70	SSOVRsx	15,7713	-0,4982	15,7788	-17,3879	-89,139
73	73	87	SSOVRsx	15,3999	-1,0379	15,4347	-15,4976	-88,076
73	73	88	SSOVRsx	20,0167	-3,0771	20,3429	-9,0125	-83,949
73	73	71	SSOVRsx	20,57	-2,5374	20,7766	-10,5968	-85,346
73	73	70	SW2	-63,425	37,4399	28,6925	-78,642	22,119
73	73	87	SW2	-74,3056	40,8096	23,2388	-91,3791	22,703
73	73	88	SW2	-94,6533	45,734	17,0162	-113,3836	22,271
73	73	71	SW2	-88,2134	42,3643	20,1884	-104,7697	21,346
74	74	71	DEAD	-6,9997	3,6629	1,8687	-8,5126	22,442
74	74	88	DEAD	-7,5415	3,8945	1,4657	-9,2253	23,382
74	74	89	DEAD	-7,9482	4,0837	1,3587	-9,7401	23,691
74	74	72	DEAD	-7,8114	3,8521	1,6118	-9,3861	22,234
74	74	71	STERR	40,3107	-28,3461	59,3051	-1,9912	-56,174
74	74	88	STERR	37,3876	-26,8862	55,8548	-1,7557	-55,516
74	74	89	STERR	33,9557	-26,5152	53,0337	-2,896	-54,265
74	74	72	STERR	37,0015	-27,9751	57,3413	-1,475	-53,98
74	74	71	SSOVRdx	5,3842	-10,3593	21,8004	-1,153	-32,254
74	74	88	SSOVRdx	4,7942	-10,1662	19,2993	-2,331	-35,025
74	74	89	SSOVRdx	3,8056	-8,7853	16,1589	-2,4422	-35,419
74	74	72	SSOVRdx	4,6895	-8,9784	19,2728	-0,8382	-31,619
74	74	71	SSOVRsx	20,3347	-4,5706	20,9767	-12,2084	-82,005
74	74	88	SSOVRsx	20,044	-4,2746	20,6694	-9,1751	-81,677
74	74	89	SSOVRsx	19,5417	-5,4769	20,6436	-7,6811	-78,625
74	74	72	SSOVRsx	20,2983	-5,773	21,3905	-10,2167	-79,287
74	74	71	SW2	-88,0447	46,0727	23,5045	-107,074	22,442
74	74	88	SW2	-94,8593	48,9858	18,4363	-116,0394	23,382
74	74	89	SW2	-99,9752	51,3664	17,0902	-122,5139	23,691
74	74	72	SW2	-98,2544	48,4533	20,2734	-118,0618	22,234
75	75	100	DEAD	7,2454	-4,1342	9,7934	0,5375	-58,354
75	75	120	DEAD	8,3105	-2,2394	8,8399	-1,1623	-76,7
75	75	121	DEAD	3,6935	-0,6013	3,7696	-1,0559	-82,785
75	75	100	STERR	-9,1701	2,0019	-2,9612	-9,8156	17,871
75	75	120	STERR	-2,4875	1,2865	3,0574	-2,786	13,062
75	75	121	STERR	-0,9519	-0,809	2,0683	-1,1686	-14,996
75	75	100	SSOVRdx	-10,5158	0,8464	1,257	-10,5766	4,112
75	75	120	SSOVRdx	-7,584	-0,0927	5,5934	-7,5847	-0,403
75	75	121	SSOVRdx	-5,4571	-1,6803	5,2221	-5,7215	-8,942
75	75	100	SSOVRsx	2,1241	-1,0613	2,5745	-0,3769	-67,005
75	75	120	SSOVRsx	3,3015	-0,3878	3,3374	-0,8824	-84,704
75	75	121	SSOVRsx	1,7093	0,0936	1,7129	-0,7291	87,801
75	75	100	SW2	91,1352	-52,0011	123,1845	6,7615	-58,354
75	75	120	SW2	104,532	-28,1674	111,1908	-14,6197	-76,7
75	75	121	SW2	46,4582	-7,5627	47,4156	-13,282	-82,785
76	76	110	DEAD	-7,2454	4,1342	-0,5375	-9,7934	31,646
76	76	131	DEAD	-8,3105	2,2394	1,1623	-8,8399	13,3
76	76	132	DEAD	-3,6935	0,6013	1,0559	-3,7696	7,215
76	76	110	STERR	9,1701	-2,0019	9,8156	2,9612	-72,129
76	76	131	STERR	2,4875	-1,2865	2,786	-3,0574	-76,938
76	76	132	STERR	0,9519	0,809	1,1686	-2,0683	75,004
76	76	110	SSOVRdx	-2,1241	1,0613	0,3769	-2,5745	22,995
76	76	131	SSOVRdx	-3,3015	0,3878	0,8824	-3,3374	5,296
76	76	132	SSOVRdx	-1,7093	-0,0936	0,7291	-1,7129	-2,199

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
76	76	110	SSOVRsx	10,5158	-0,8464	10,5766	-1,257	-85,888
76	76	131	SSOVRsx	7,584	0,0927	7,5847	-5,5934	89,597
76	76	132	SSOVRsx	5,4571	1,6803	5,7215	-5,2221	81,058
76	76	110	SW2	-91,1352	52,0011	-6,7615	-123,1845	31,646
76	76	131	SW2	-104,532	28,1674	14,6197	-111,1908	13,3
76	76	132	SW2	-46,4582	7,5627	13,282	-47,4156	7,215
77	77	73	DEAD	-2,8491	0,1802	-2,8462	-14,2483	89,094
77	77	91	DEAD	-2,9031	-0,2507	-2,8976	-14,5207	-88,764
77	77	92	DEAD	0,9287	-0,693	1,0258	-4,0158	-82,022
77	77	74	DEAD	-0,802	-0,2621	-0,79	-6,5208	-87,376
77	77	73	STERR	29,2438	6,7103	146,6028	28,8601	3,272
77	77	91	STERR	21,2256	8,7385	107,0181	20,3355	5,816
77	77	92	STERR	4,1192	20,7823	52,1814	-4,8671	23,384
77	77	74	STERR	5,9324	18,7542	65,0701	-0,0151	17,595
77	77	73	SSOVRdx	27,0476	-0,5033	135,2402	27,0452	-0,267
77	77	91	SSOVRdx	27,1208	0,4216	135,6057	27,1192	0,223
77	77	92	SSOVRdx	13,4651	0,4897	76,7899	13,4613	0,443
77	77	74	SSOVRdx	12,598	-0,4351	77,2729	12,5951	-0,385
77	77	73	SSOVRsx	-10,8904	3,0532	-10,6775	-54,665	86,01
77	77	91	SSOVRsx	-14,2882	3,568	-14,0663	-71,6628	86,442
77	77	92	SSOVRsx	-12,0202	8,8956	-10,1189	-53,6397	77,935
77	77	74	SSOVRsx	-9,7049	8,3809	-7,7497	-45,6295	76,868
77	77	73	SW2	-35,8367	2,2669	-35,8009	-179,2195	89,094
77	77	91	SW2	-36,5155	-3,1533	-36,4474	-182,6455	-88,764
77	77	92	SW2	11,6809	-8,7164	12,9025	-50,5123	-82,022
77	77	74	SW2	-10,0873	-3,2962	-9,9363	-82,0205	-87,376
78	78	74	DEAD	-0,8125	-0,7662	-0,7121	-6,6619	-82,537
78	78	92	DEAD	0,9308	-1,654	1,4422	-4,4191	-72,82
78	78	93	DEAD	3,3245	-2,2957	4,3484	-1,8231	-65,964
78	78	75	DEAD	0,9415	-1,4079	1,3517	-3,8914	-73,758
78	78	74	STERR	5,9924	24,2157	68,7647	-3,3492	21,095
78	78	92	STERR	4,1724	27,9761	58,0007	-10,3676	27,462
78	78	93	STERR	-5,831	31,1493	40,2403	-26,8913	34,063
78	78	75	STERR	-7,9796	27,3888	40,8264	-23,3496	29,3
78	78	74	SSOVRdx	12,6203	-0,9117	77,3939	12,6074	-0,806
78	78	92	SSOVRdx	13,5022	1,3577	77,0007	13,4732	1,225
78	78	93	SSOVRdx	4,7777	1,5445	51,659	4,7268	1,887
78	78	75	SSOVRdx	3,7845	-0,7249	52,1475	3,7736	-0,859
78	78	74	SSOVRsx	-9,6885	11,4724	-6,1713	-47,1091	72,956
78	78	92	SSOVRsx	-12,0156	11,8405	-8,7524	-54,9788	74,592
78	78	93	SSOVRsx	-10,0827	13,4896	-4,9214	-45,3395	69,063
78	78	75	SSOVRsx	-9,0083	13,1215	-3,6852	-41,353	67,919
78	78	74	SW2	-10,2201	-9,6379	-8,9576	-83,7958	-82,537
78	78	92	SW2	11,7084	-20,8048	18,1405	-55,5852	-72,82
78	78	93	SW2	41,8171	-28,8762	54,6952	-22,9312	-65,964
78	78	75	SW2	11,8428	-17,7094	17,0019	-48,9474	-73,758
79	79	75	DEAD	0,9449	-1,8172	1,5973	-4,1167	-70,251
79	79	93	DEAD	3,3036	-2,8843	4,7698	-2,3702	-63,053
79	79	94	DEAD	4,7437	-3,2427	6,4265	-1,5049	-62,573
79	79	76	DEAD	2,1246	-2,1756	3,0133	-3,2009	-67,779
79	79	75	STERR	-7,9668	29,0629	42,3179	-24,7642	30,026
79	79	93	STERR	-5,8358	32,9006	41,8536	-28,5337	34,602
79	79	94	STERR	-10,8964	33,7865	33,9624	-36,3435	36,986
79	79	76	STERR	-15,7999	29,9488	30,246	-35,2789	33,04
79	79	75	SSOVRdx	3,8161	-0,7406	52,3062	3,8048	-0,875
79	79	93	SSOVRdx	4,7226	1,9159	51,4112	4,644	2,35
79	79	94	SSOVRdx	-0,1105	1,9781	40,7282	-0,2063	2,773
79	79	76	SSOVRdx	-1,3714	-0,6784	39,9514	-1,3826	-0,941
79	79	75	SSOVRsx	-9,0318	14,253	-2,9184	-42,2612	66,784
79	79	93	SSOVRsx	-10,0305	14,2854	-4,3008	-45,6473	68,145
79	79	94	SSOVRsx	-8,6336	14,9178	-1,8866	-41,6176	65,664
79	79	76	SSOVRsx	-8,5082	14,8853	-1,1497	-38,6194	63,695
79	79	75	SW2	11,8854	-22,8571	20,0913	-51,7815	-70,251
79	79	93	SW2	41,5536	-36,2795	59,9964	-29,813	-63,053
79	79	94	SW2	59,668	-40,7873	80,8341	-18,9295	-62,573
79	79	76	SW2	26,7237	-27,3649	37,9027	-40,2624	-67,779
80	80	76	DEAD	2,125	-2,458	3,2179	-3,4029	-66,028
80	80	94	DEAD	4,7407	-3,6365	6,7486	-1,8452	-61,094
80	80	95	DEAD	6,1884	-3,9223	8,1663	-1,5899	-63,24
80	80	77	DEAD	3,2889	-2,7438	4,5401	-2,7279	-65,486

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
80	80	76	STERR	-15,7916	30,6909	30,957	-35,9405	33,285
80	80	94	STERR	-10,9122	34,2404	34,3429	-36,8189	37,111
80	80	95	STERR	-15,0832	34,6165	28,2152	-42,7587	38,642
80	80	77	STERR	-22,601	31,067	21,7202	-44,3775	35,029
80	80	76	SSOVRdx	-1,2545	-0,5223	40,5314	-1,261	-0,716
80	80	94	SSOVRdx	-0,432	2,0444	39,1302	-0,5377	2,958
80	80	95	SSOVRdx	-4,6456	2,2166	30,6787	-4,7847	3,591
80	80	77	SSOVRdx	-5,9573	-0,35	30,5646	-5,9606	-0,549
80	80	76	SSOVRsx	-8,6191	15,385	-0,9502	-39,484	63,505
80	80	94	SSOVRsx	-8,3254	15,3368	-1,0408	-40,6147	64,593
80	80	95	SSOVRsx	-6,9403	15,6367	1,2135	-36,9274	62,46
80	80	77	SSOVRsx	-8,0675	15,685	0,7434	-35,9896	60,675
80	80	76	SW2	26,7291	-30,9169	40,4761	-42,8031	-66,028
80	80	94	SW2	59,6298	-45,7407	84,8859	-23,2101	-61,094
80	80	95	SW2	77,8402	-49,3363	102,7187	-19,9982	-63,24
80	80	77	SW2	41,3688	-34,5125	57,1074	-34,3121	-65,486
81	81	77	DEAD	3,2753	-3,1816	4,8566	-3,126	-63,572
81	81	95	DEAD	6,1998	-4,2402	8,4467	-1,8022	-62,081
81	81	96	DEAD	9,2935	-4,4904	11,0928	-1,9124	-68,163
81	81	78	DEAD	5,822	-3,4317	7,3261	-2,0075	-66,332
81	81	77	STERR	-22,5588	31,6008	22,3773	-44,7817	35,116
81	81	95	STERR	-15,0853	34,4923	28,0869	-42,6428	38,623
81	81	96	STERR	-22,4571	34,0058	19,4894	-50,0254	39,031
81	81	78	STERR	-34,8438	31,1143	8,5125	-57,1727	35,665
81	81	77	SSOVRdx	-5,9167	0,192	30,7652	-5,9177	0,3
81	81	95	SSOVRdx	-4,7005	2,2394	30,4081	-4,8433	3,65
81	81	96	SSOVRdx	-12,3539	2,9864	13,891	-12,6938	6,492
81	81	78	SSOVRdx	-15,3817	0,939	15,5188	-15,4102	1,741
81	81	77	SSOVRsx	-8,0865	15,9072	0,896	-36,2567	60,547
81	81	95	SSOVRsx	-6,8902	16,049	1,647	-37,0606	61,989
81	81	96	SSOVRsx	-4,4735	15,6561	6,9216	-25,9841	53,952
81	81	78	SSOVRsx	-6,6524	15,5143	4,1139	-29,0086	55,241
81	81	77	SW2	41,1976	-40,0186	61,0876	-39,3197	-63,572
81	81	95	SW2	77,9829	-53,3352	106,2453	-22,6683	-62,081
81	81	96	SW2	116,8966	-56,4812	139,5293	-24,0553	-68,163
81	81	78	SW2	73,2306	-43,1646	92,1498	-25,2507	-66,332
82	82	78	DEAD	5,8212	-3,7788	7,5856	-2,2718	-64,971
82	82	96	DEAD	9,2903	-4,0618	10,7999	-1,6388	-69,612
82	82	97	DEAD	9,4487	-4,1311	11,1533	-0,5633	-67,578
82	82	79	DEAD	7,5276	-3,8481	9,1673	-1,503	-66,92
82	82	78	STERR	-34,8145	30,4354	7,9771	-56,4617	35,422
82	82	96	STERR	-22,4061	31,5519	17,2684	-47,4983	38,494
82	82	97	STERR	-26,083	28,6625	15,1996	-45,9833	34,772
82	82	79	STERR	-36,8662	27,546	2,8832	-55,9554	34,722
82	82	78	SSOVRdx	-15,3867	2,4044	15,6516	-15,573	4,43
82	82	96	SSOVRdx	-12,3119	3,5844	14,2453	-12,7957	7,687
82	82	97	SSOVRdx	-16,7065	4,6062	8,0292	-17,5642	10,549
82	82	79	SSOVRdx	-19,8378	3,4262	9,1274	-20,243	6,746
82	82	78	SSOVRsx	-6,629	14,129	2,8764	-27,6305	56,069
82	82	96	SSOVRsx	-4,4765	14,1737	5,5108	-24,5914	54,83
82	82	97	SSOVRsx	-3,3402	11,6977	8,0286	-15,3763	45,817
82	82	79	SSOVRsx	-4,6707	11,653	3,8532	-20,6015	53,816
82	82	78	SW2	73,2204	-47,5315	95,4142	-28,576	-64,971
82	82	96	SW2	116,856	-51,0912	135,8443	-20,6138	-69,612
82	82	97	SW2	118,8491	-51,962	140,2893	-7,0851	-67,578
82	82	79	SW2	94,684	-48,4023	115,3091	-18,9049	-66,92
83	83	79	DEAD	7,5439	-4,1237	9,3967	-1,6342	-65,806
83	83	97	DEAD	9,44	-4,1656	11,1639	-0,6261	-67,519
83	83	98	DEAD	9,3184	-4,2865	11,2227	-0,33	-66,046
83	83	80	DEAD	7,8867	-4,2446	9,8063	-1,4988	-65,665
83	83	79	STERR	-36,9497	26,05	1,1754	-54,7491	34,344
83	83	97	STERR	-26,1279	24,6308	11,2888	-42,3419	33,356
83	83	98	STERR	-24,7987	22,8068	11,2013	-39,2473	32,355
83	83	80	STERR	-35,0068	24,226	0,2529	-51,6519	34,492
83	83	79	SSOVRdx	-19,8651	4,5901	9,3078	-20,5873	8,942
83	83	97	SSOVRdx	-16,7962	4,7956	7,6628	-17,7365	11,093
83	83	98	SSOVRdx	-17,2369	4,9788	8,4104	-18,2034	10,986
83	83	80	SSOVRdx	-20,1232	4,7733	7,294	-20,9543	9,876
83	83	79	SSOVRsx	-4,6856	9,7296	2,0023	-18,8403	55,496
83	83	97	SSOVRsx	-3,2836	9,0402	5,5387	-12,5471	45,699

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
83	83	98	SSOVRsx	-2,2835	7,7487	5,0482	-10,473	46,584
83	83	80	SSOVRsx	-3,7132	8,4381	2,1831	-15,7888	55,055
83	83	79	SW2	94,8899	-51,8697	118,1951	-20,5553	-65,806
83	83	97	SW2	118,7397	-52,3967	140,4229	-7,8751	-67,519
83	83	98	SW2	117,2096	-53,9165	141,163	-4,1508	-66,046
83	83	80	SW2	99,2008	-53,3895	123,3463	-18,8519	-65,665
84	84	80	DEAD	7,8849	-4,4434	9,954	-1,6571	-65,03
84	84	98	DEAD	9,3243	-4,3946	11,3134	-0,3851	-65,648
84	84	99	DEAD	8,6217	-4,5683	10,8793	-0,6225	-63,703
84	84	81	DEAD	8,5228	-4,617	10,637	-1,56	-65,396
84	84	80	STERR	-34,9858	23,9753	0,0975	-51,37	34,348
84	84	98	STERR	-24,8543	19,1728	7,7496	-36,1289	30,458
84	84	99	STERR	-22,9828	17,0636	7,349	-32,5822	29,361
84	84	81	STERR	-26,7937	21,8661	1,038	-43,9728	38,155
84	84	80	SSOVRdx	-19,9375	5,9285	8,6221	-21,1682	11,727
84	84	98	SSOVRdx	-17,6735	4,2289	6,0157	-18,4285	10,122
84	84	99	SSOVRdx	-16,7684	4,491	6,9305	-17,6195	10,73
84	84	81	SSOVRdx	-17,4304	6,1906	7,8447	-18,9467	13,762
84	84	80	SSOVRsx	-3,887	7,2357	0,6864	-15,335	57,705
84	84	98	SSOVRsx	-1,8904	6,1675	4,6449	-7,7108	43,342
84	84	99	SSOVRsx	-1,0867	4,642	3,4158	-5,8725	45,874
84	84	81	SSOVRsx	-2,3409	5,7102	0,7739	-12,8092	61,389
84	84	80	SW2	99,1785	-55,8899	125,2043	-20,8438	-65,03
84	84	98	SW2	117,2842	-55,2765	142,303	-4,8433	-65,648
84	84	99	SW2	108,4471	-57,4611	136,8428	-7,8304	-63,703
84	84	81	SW2	107,2022	-58,0745	133,7954	-19,6219	-65,396
85	85	82	DEAD	2,8491	-0,1802	14,2483	2,8462	-0,906
85	85	101	DEAD	2,9031	0,2507	14,5207	2,8976	1,236
85	85	102	DEAD	-0,9287	0,693	4,0158	-1,0258	7,978
85	85	83	DEAD	0,802	0,2621	6,5208	0,79	2,624
85	85	82	STERR	-29,2438	-6,7103	-28,8601	-146,6028	-86,728
85	85	101	STERR	-21,2256	-8,7385	-20,3355	-107,0181	-84,184
85	85	102	STERR	-4,1192	-20,7823	4,8671	-52,1814	-66,616
85	85	83	STERR	-5,9324	-18,7542	0,0151	-65,0701	-72,405
85	85	82	SSOVRdx	10,8904	-3,0532	54,665	10,6775	-3,99
85	85	101	SSOVRdx	14,2882	-3,568	71,6628	14,0663	-3,558
85	85	102	SSOVRdx	12,0202	-8,8956	53,6397	10,1189	-12,065
85	85	83	SSOVRdx	9,7049	-8,3809	45,6295	7,7497	-13,132
85	85	82	SSOVRsx	-27,0476	0,5033	-27,0452	-135,2402	89,733
85	85	101	SSOVRsx	-27,1208	-0,4216	-27,1192	-135,6057	-89,777
85	85	102	SSOVRsx	-13,4651	-0,4897	-13,4613	-76,7899	-89,557
85	85	83	SSOVRsx	-12,598	0,4351	-12,5951	-77,2729	89,615
85	85	82	SW2	35,8367	-2,2669	179,2195	35,8009	-0,906
85	85	101	SW2	36,5155	3,1533	182,6455	36,4474	1,236
85	85	102	SW2	-11,6809	8,7164	50,5123	-12,9025	7,978
85	85	83	SW2	10,0873	3,2962	82,0205	9,9363	2,624
86	86	83	DEAD	0,8125	0,7662	6,6619	0,7121	7,463
86	86	102	DEAD	-0,9308	1,654	4,4191	-1,4422	17,18
86	86	103	DEAD	-3,3245	2,2957	1,8231	-4,3484	24,036
86	86	84	DEAD	-0,9415	1,4079	3,8914	-1,3517	16,242
86	86	83	STERR	-5,9924	-24,2157	3,3492	-68,7647	-68,905
86	86	102	STERR	-4,1724	-27,9761	10,3676	-58,0007	-62,538
86	86	103	STERR	5,831	-31,1493	26,8913	-40,2403	-55,937
86	86	84	STERR	7,9796	-27,3888	23,3496	-40,8264	-60,7
86	86	83	SSOVRdx	9,6885	-11,4724	47,1091	6,1713	-17,044
86	86	102	SSOVRdx	12,0156	-11,8405	54,9788	8,7524	-15,408
86	86	103	SSOVRdx	10,0827	-13,4896	45,3395	4,9214	-20,937
86	86	84	SSOVRdx	9,0083	-13,1215	41,353	3,6852	-22,081
86	86	83	SSOVRsx	-12,6203	0,9117	-12,6074	-77,3939	89,194
86	86	102	SSOVRsx	-13,5022	-1,3577	-13,4732	-77,0007	-88,775
86	86	103	SSOVRsx	-4,7777	-1,5445	-4,7268	-51,659	-88,113
86	86	84	SSOVRsx	-3,7845	0,7249	-3,7736	-52,1475	89,141
86	86	83	SW2	10,2201	9,6379	83,7958	8,9576	7,463
86	86	102	SW2	-11,7084	20,8048	55,5852	-18,1405	17,18
86	86	103	SW2	-41,8171	28,8762	22,9312	-54,6952	24,036
86	86	84	SW2	-11,8428	17,7094	48,9474	-17,0019	16,242
87	87	84	DEAD	-0,9449	1,8172	4,1167	-1,5973	19,749
87	87	103	DEAD	-3,3036	2,8843	2,3702	-4,7698	26,947
87	87	104	DEAD	-4,7437	3,2427	1,5049	-6,4265	27,427
87	87	85	DEAD	-2,1246	2,1756	3,2009	-3,0133	22,221

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
87	87	84	STERR	7,9668	-29,0629	24,7642	-42,3179	-59,974
87	87	103	STERR	5,8358	-32,9006	28,5337	-41,8536	-55,398
87	87	104	STERR	10,8964	-33,7865	36,3435	-33,9624	-53,014
87	87	85	STERR	15,7999	-29,9488	35,2789	-30,246	-56,96
87	87	84	SSOVRdx	9,0318	-14,253	42,2612	2,9184	-23,216
87	87	103	SSOVRdx	10,0305	-14,2854	45,6473	4,3008	-21,855
87	87	104	SSOVRdx	8,6336	-14,9178	41,6176	1,8866	-24,336
87	87	85	SSOVRdx	8,5082	-14,8853	38,6194	1,1497	-26,305
87	87	84	SSOVRsx	-3,8161	0,7406	-3,8048	-52,3062	89,125
87	87	103	SSOVRsx	-4,7226	-1,9159	-4,644	-51,4112	-87,65
87	87	104	SSOVRsx	0,1105	-1,9781	0,2063	-40,7282	-87,227
87	87	85	SSOVRsx	1,3714	0,6784	1,3826	-39,9514	89,059
87	87	84	SW2	-11,8854	22,8571	51,7815	-20,0913	19,749
87	87	103	SW2	-41,5536	36,2795	29,813	-59,9964	26,947
87	87	104	SW2	-59,668	40,7873	18,9295	-80,8341	27,427
87	87	85	SW2	-26,7237	27,3649	40,2624	-37,9027	22,221
88	88	85	DEAD	-2,125	2,458	3,4029	-3,2179	23,972
88	88	104	DEAD	-4,7407	3,6365	1,8452	-6,7486	28,906
88	88	105	DEAD	-6,1884	3,9223	1,5899	-8,1663	26,76
88	88	86	DEAD	-3,2889	2,7438	2,7279	-4,5401	24,514
88	88	85	STERR	15,7916	-30,6909	35,9405	-30,957	-56,715
88	88	104	STERR	10,9122	-34,2404	36,8189	-34,3429	-52,889
88	88	105	STERR	15,0832	-34,6165	42,7587	-28,2152	-51,358
88	88	86	STERR	22,601	-31,067	44,3775	-21,7202	-54,971
88	88	85	SSOVRdx	8,6191	-15,385	39,484	0,9502	-26,495
88	88	104	SSOVRdx	8,3254	-15,3368	40,6147	1,0408	-25,407
88	88	105	SSOVRdx	6,9403	-15,6367	36,9274	-1,2135	-27,54
88	88	86	SSOVRdx	8,0675	-15,685	35,9896	-0,7434	-29,325
88	88	85	SSOVRsx	1,2545	0,5223	1,261	-40,5314	89,284
88	88	104	SSOVRsx	0,432	-2,0444	0,5377	-39,1302	-87,042
88	88	105	SSOVRsx	4,6456	-2,2166	4,7847	-30,6787	-86,409
88	88	86	SSOVRsx	5,9573	0,35	5,9606	-30,5646	89,451
88	88	85	SW2	-26,7291	30,9169	42,8031	-40,4761	23,972
88	88	104	SW2	-59,6298	45,7407	23,2101	-84,8859	28,906
88	88	105	SW2	-77,8402	49,3363	19,9982	-102,7187	26,76
88	88	86	SW2	-41,3688	34,5125	34,3121	-57,1074	24,514
89	89	86	DEAD	-3,2753	3,1816	3,126	-4,8566	26,428
89	89	105	DEAD	-6,1998	4,2402	1,8022	-8,4467	27,919
89	89	106	DEAD	-9,2935	4,4904	1,9124	-11,0928	21,837
89	89	87	DEAD	-5,822	3,4317	2,0075	-7,3261	23,668
89	89	86	STERR	22,5588	-31,6008	44,7817	-22,3773	-54,884
89	89	105	STERR	15,0853	-34,4923	42,6428	-28,0869	-51,377
89	89	106	STERR	22,4571	-34,0058	50,0254	-19,4894	-50,969
89	89	87	STERR	34,8438	-31,1143	57,1727	-8,5125	-54,335
89	89	86	SSOVRdx	8,0865	-15,9072	36,2567	-0,896	-29,453
89	89	105	SSOVRdx	6,8902	-16,049	37,0606	-1,647	-28,011
89	89	106	SSOVRdx	4,4735	-15,6561	25,9841	-6,9216	-36,048
89	89	87	SSOVRdx	6,6524	-15,5143	29,0086	-4,1139	-34,759
89	89	86	SSOVRsx	5,9167	-0,192	5,9177	-30,7652	-89,7
89	89	105	SSOVRsx	4,7005	-2,2394	4,8433	-30,4081	-86,35
89	89	106	SSOVRsx	12,3539	-2,9864	12,6938	-13,891	-83,508
89	89	87	SSOVRsx	15,3817	-0,939	15,4102	-15,5188	-88,259
89	89	86	SW2	-41,1976	40,0186	39,3197	-61,0876	26,428
89	89	105	SW2	-77,9829	53,3352	22,6683	-106,2453	27,919
89	89	106	SW2	-116,8966	56,4812	24,0553	-139,5293	21,837
89	89	87	SW2	-73,2306	43,1646	25,2507	-92,1498	23,668
90	90	87	DEAD	-5,8212	3,7788	2,2718	-7,5856	25,029
90	90	106	DEAD	-9,2903	4,0618	1,6388	-10,7999	20,388
90	90	107	DEAD	-9,4487	4,1311	0,5633	-11,1533	22,422
90	90	88	DEAD	-7,5276	3,8481	1,503	-9,1673	23,08
90	90	87	STERR	34,8145	-30,4354	56,4617	-7,9771	-54,578
90	90	106	STERR	22,4061	-31,5519	47,4983	-17,2684	-51,506
90	90	107	STERR	26,083	-28,6625	45,9833	-15,1996	-55,228
90	90	88	STERR	36,8662	-27,546	55,9554	-2,8832	-55,278
90	90	87	SSOVRdx	6,629	-14,129	27,6305	-2,8764	-33,931
90	90	106	SSOVRdx	4,4765	-14,1737	24,5914	-5,5108	-35,17
90	90	107	SSOVRdx	3,3402	-11,6977	15,3763	-8,0286	-44,183
90	90	88	SSOVRdx	4,6707	-11,653	20,6015	-3,8532	-36,184
90	90	87	SSOVRsx	15,3867	-2,4044	15,573	-15,6516	-85,57
90	90	106	SSOVRsx	12,3119	-3,5844	12,7957	-14,2453	-82,313

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
90	90	107	SSOVRsx	16,7065	-4,6062	17,5642	-8,0292	-79,451
90	90	88	SSOVRsx	19,8378	-3,4262	20,243	-9,1274	-83,254
90	90	87	SW2	-73,2204	47,5315	28,576	-95,4142	25,029
90	90	106	SW2	-116,856	51,0912	20,6138	-135,8443	20,388
90	90	107	SW2	-118,8491	51,962	7,0851	-140,2893	22,422
90	90	88	SW2	-94,684	48,4023	18,9049	-115,3091	23,08
91	91	88	DEAD	-7,5439	4,1237	1,6342	-9,3967	24,194
91	91	107	DEAD	-9,44	4,1656	0,6261	-11,1639	22,481
91	91	108	DEAD	-9,3184	4,2865	0,33	-11,2227	23,954
91	91	89	DEAD	-7,8867	4,2446	1,4988	-9,8063	24,335
91	91	88	STERR	36,9497	-26,05	54,7491	-1,1754	-55,656
91	91	107	STERR	26,1279	-24,6308	42,3419	-11,2888	-56,644
91	91	108	STERR	24,7987	-22,8068	39,2473	-11,2013	-57,645
91	91	89	STERR	35,0068	-24,226	51,6519	-0,2529	-55,508
91	91	88	SSOVRdx	4,6856	-9,7296	18,8403	-2,0023	-34,504
91	91	107	SSOVRdx	3,2836	-9,0402	12,5471	-5,5387	-44,301
91	91	108	SSOVRdx	2,2835	-7,7487	10,473	-5,0482	-43,416
91	91	89	SSOVRdx	3,7132	-8,4381	15,7888	-2,1831	-34,945
91	91	88	SSOVRsx	19,8651	-4,5901	20,5873	-9,3078	-81,058
91	91	107	SSOVRsx	16,7962	-4,7956	17,7365	-7,6628	-78,907
91	91	108	SSOVRsx	17,2369	-4,9788	18,2034	-8,4104	-79,014
91	91	89	SSOVRsx	20,1232	-4,7733	20,9543	-7,294	-80,124
91	91	88	SW2	-94,8899	51,8697	20,5553	-118,1951	24,194
91	91	107	SW2	-118,7397	52,3967	7,8751	-140,4229	22,481
91	91	108	SW2	-117,2096	53,9165	4,1508	-141,163	23,954
91	91	89	SW2	-99,2008	53,3895	18,8519	-123,3463	24,335
92	92	89	DEAD	-7,8849	4,4434	1,6571	-9,954	24,97
92	92	108	DEAD	-9,3243	4,3946	0,3851	-11,3134	24,352
92	92	109	DEAD	-8,6217	4,5683	0,6225	-10,8793	26,297
92	92	90	DEAD	-8,5228	4,617	1,56	-10,637	24,604
92	92	89	STERR	34,9858	-23,9753	51,37	-0,0975	-55,652
92	92	108	STERR	24,8543	-19,1728	36,1289	-7,7496	-59,542
92	92	109	STERR	22,9828	-17,0636	32,5822	-7,349	-60,639
92	92	90	STERR	26,7937	-21,8661	43,9728	-1,038	-51,845
92	92	89	SSOVRdx	3,887	-7,2357	15,335	-0,6864	-32,295
92	92	108	SSOVRdx	1,8904	-6,1675	7,7108	-4,6449	-46,658
92	92	109	SSOVRdx	1,0867	-4,642	5,8725	-3,4158	-44,126
92	92	90	SSOVRdx	2,3409	-5,7102	12,8092	-0,7739	-28,611
92	92	89	SSOVRsx	19,9375	-5,9285	21,1682	-8,6221	-78,273
92	92	108	SSOVRsx	17,6735	-4,2289	18,4285	-6,0157	-79,878
92	92	109	SSOVRsx	16,7684	-4,491	17,6195	-6,9305	-79,27
92	92	90	SSOVRsx	17,4304	-6,1906	18,9467	-7,8447	-76,238
92	92	89	SW2	-99,1785	55,8899	20,8438	-125,2043	24,97
92	92	108	SW2	-117,2842	55,2765	4,8433	-142,303	24,352
92	92	109	SW2	-108,4471	57,4611	7,8304	-136,8428	26,297
92	92	90	SW2	-107,2022	58,0745	19,6219	-133,7954	24,604
93	93	91	DEAD	-2,9031	-0,3979	-2,8894	-14,5289	-88,04
93	93	111	DEAD	-1,6149	-2,0056	-1,0429	-8,6466	-74,081
93	93	112	DEAD	6,3281	-3,7054	7,8186	-2,8837	-68,088
93	93	92	DEAD	0,8602	-2,0977	1,6486	-4,7209	-69,401
93	93	91	STERR	21,2256	9,0303	107,0779	20,2758	6,005
93	93	111	STERR	10,9618	10,5983	57,2363	8,5344	12,9
93	93	112	STERR	1,2903	25,5746	41,1085	-15,1359	32,712
93	93	92	STERR	4,2405	24,0067	54,6516	-7,1919	25,465
93	93	91	SSOVRdx	27,1208	0,3708	135,6053	27,1195	0,196
93	93	111	SSOVRdx	26,4826	1,1026	132,4245	26,4711	0,596
93	93	112	SSOVRdx	12,4919	2,7924	72,2016	12,3613	2,678
93	93	92	SSOVRdx	13,5251	2,0606	76,8651	13,4581	1,863
93	93	91	SSOVRsx	-14,2882	3,8632	-14,0282	-71,7009	86,15
93	93	111	SSOVRsx	-18,6866	4,3952	-18,4291	-93,6907	86,646
93	93	112	SSOVRsx	-12,5394	10,3536	-10,2684	-59,7415	77,628
93	93	92	SSOVRsx	-12,0341	9,8216	-9,7375	-54,0377	76,839
93	93	91	SW2	-36,5155	-5,0051	-36,3442	-182,7488	-88,04
93	93	111	SW2	-20,313	-25,2271	-13,1177	-108,7601	-74,081
93	93	112	SW2	79,5969	-46,6075	98,3444	-36,2723	-68,088
93	93	92	SW2	10,8194	-26,3855	20,7367	-59,3804	-69,401
94	94	92	DEAD	0,8624	-2,8388	2,1826	-5,2417	-65,058
94	94	112	DEAD	6,183	-4,2536	7,9754	-3,9113	-67,15
94	94	113	DEAD	10,137	-4,7132	12,4912	0,7012	-63,458
94	94	93	DEAD	3,2003	-3,2984	5,0518	-2,6756	-60,693

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
94	94	92	STERR	4,2936	31,0462	60,6024	-12,8239	28,87
94	94	112	STERR	1,3256	33,3652	48,4714	-22,2871	35,287
94	94	113	STERR	-3,103	36,6219	43,5896	-31,8263	38,108
94	94	93	STERR	-5,7347	34,3029	43,2304	-29,7659	35,014
94	94	92	SSOVRdx	13,5623	3,1081	77,1356	13,4103	2,799
94	94	112	SSOVRdx	12,4312	4,9698	72,1808	12,0178	4,755
94	94	113	SSOVRdx	5,6131	6,0863	49,7568	4,7739	7,85
94	94	93	SSOVRdx	4,6268	4,2245	51,955	4,2497	5,101
94	94	92	SSOVRsx	-12,0295	12,4595	-8,4424	-55,3055	73,939
94	94	112	SSOVRsx	-12,4487	12,6299	-9,1184	-60,3473	75,228
94	94	113	SSOVRsx	-9,5598	13,4307	-4,5416	-45,5054	69,512
94	94	93	SSOVRsx	-9,854	13,2602	-4,8679	-45,1186	69,393
94	94	92	SW2	10,8469	-35,7069	27,453	-65,9314	-65,058
94	94	112	SW2	77,7714	-53,5036	100,3173	-49,1981	-67,15
94	94	113	SW2	127,5059	-59,2846	157,1189	8,8194	-63,458
94	94	93	SW2	40,255	-41,488	63,5438	-33,6543	-60,693
95	95	93	DEAD	3,1794	-4,0463	5,6631	-3,4125	-58,457
95	95	113	DEAD	10,2371	-5,1305	13,0188	0,7745	-61,534
95	95	114	DEAD	11,1172	-5,6616	14,3385	1,1667	-60,361
95	95	94	DEAD	4,9011	-4,5774	7,6987	-2,5883	-58,568
95	95	93	STERR	-5,7395	35,9547	44,7693	-31,3338	35,445
95	95	113	STERR	-3,0739	37,6943	44,7326	-32,795	38,255
95	95	114	STERR	-4,8926	38,1841	40,7884	-36,8101	39,892
95	95	94	STERR	-10,8203	36,4445	36,562	-38,8518	37,566
95	95	93	SSOVRdx	4,5717	4,3607	51,7059	4,1683	5,286
95	95	113	SSOVRdx	5,8506	7,1718	51,2385	4,7174	8,979
95	95	114	SSOVRdx	0,1272	7,5808	38,984	-1,3518	11,039
95	95	94	SSOVRdx	-0,0821	4,7698	41,1893	-0,6333	6,592
95	95	93	SSOVRsx	-9,8019	14,2161	-4,1451	-45,5286	68,302
95	95	113	SSOVRsx	-9,7754	13,0161	-5,126	-46,2144	70,343
95	95	114	SSOVRsx	-5,7232	13,0037	-0,4405	-37,7324	67,891
95	95	94	SSOVRsx	-8,5851	14,2037	-2,3749	-41,0712	66,384
95	95	93	SW2	39,9915	-50,8953	71,2323	-42,9235	-58,457
95	95	113	SW2	128,7656	-64,5332	163,7548	9,7422	-61,534
95	95	114	SW2	139,8361	-71,2134	180,3545	14,6746	-60,361
95	95	94	SW2	61,648	-57,5755	96,8369	-32,5562	-58,568
96	96	94	DEAD	4,8981	-4,8593	7,9447	-2,8525	-57,914
96	96	114	DEAD	11,1272	-6,3948	14,999	0,5656	-58,806
96	96	115	DEAD	12,9054	-6,8115	16,4688	-0,1147	-62,383
96	96	95	DEAD	6,0834	-5,276	9,2257	-2,7753	-59,223
96	96	94	STERR	-10,8361	36,9286	36,9748	-39,3594	37,682
96	96	114	STERR	-4,8369	38,0092	40,8034	-36,491	39,787
96	96	115	STERR	-5,5622	37,9712	37,1403	-39,3263	41,644
96	96	95	STERR	-15,0469	36,8906	30,4556	-44,9555	39,033
96	96	94	SSOVRdx	-0,4037	4,8257	39,6122	-0,9856	6,876
96	96	114	SSOVRdx	1,3412	7,362	44,8217	0,0947	9,61
96	96	115	SSOVRdx	-3,7203	6,8257	33,8379	-4,9608	10,3
96	96	95	SSOVRdx	-4,3905	4,2893	31,1089	-4,9088	6,89
96	96	94	SSOVRsx	-8,277	14,6528	-1,5244	-40,0729	65,258
96	96	114	SSOVRsx	-6,8892	13,1834	-2,087	-43,0814	69,985
96	96	115	SSOVRsx	-2,5885	13,8811	3,1306	-36,2801	67,608
96	96	95	SSOVRsx	-7,1404	15,3505	0,8132	-36,7672	62,61
96	96	94	SW2	61,6099	-61,122	99,9311	-35,8792	-57,914
96	96	114	SW2	139,9609	-80,4353	188,6627	7,1149	-58,806
96	96	115	SW2	162,3279	-85,6771	207,1502	-1,4424	-62,383
96	96	95	SW2	76,5193	-66,3638	116,044	-34,9086	-59,223
97	97	95	DEAD	6,0948	-5,8111	9,7253	-3,2067	-58,005
97	97	115	DEAD	12,7791	-6,7497	16,1868	-0,5902	-63,212
97	97	116	DEAD	13,2396	-6,1847	15,3404	-4,9675	-71,238
97	97	96	DEAD	9,3053	-5,2461	11,6462	-2,4516	-65,953
97	97	95	STERR	-15,049	36,7238	30,2854	-44,7976	39,01
97	97	115	STERR	-5,5832	37,5048	36,6094	-38,921	41,634
97	97	116	STERR	-4,7605	36,7378	33,3801	-40,1471	43,927
97	97	96	STERR	-22,7518	35,9568	21,2469	-52,1366	39,256
97	97	95	SSOVRdx	-4,4454	4,4286	30,8716	-5,0007	7,147
97	97	115	SSOVRdx	-3,4409	5,0832	34,6723	-4,1189	7,597
97	97	116	SSOVRdx	-6,3702	4,6333	14,2894	-7,4093	12,64
97	97	96	SSOVRdx	-12,4492	3,9787	14,1278	-13,0448	8,514
97	97	95	SSOVRsx	-7,0903	15,5943	1,1061	-36,7598	62,273
97	97	115	SSOVRsx	-2,8811	15,7481	4,0027	-38,9079	66,389

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
97	97	116	SSOVRsx	0,4619	16,5319	11,6594	-23,9457	55,889
97	97	96	SSOVRsx	-4,5932	16,3782	7,5241	-26,7304	53,504
97	97	95	SW2	76,6621	-73,0939	122,3274	-40,3354	-58,005
97	97	115	SW2	160,7398	-84,8996	203,6026	-7,4233	-63,212
97	97	116	SW2	166,5314	-77,7933	192,9569	-62,4828	-71,238
97	97	96	SW2	117,0455	-65,9876	146,4902	-30,8375	-65,953
98	98	96	DEAD	9,3021	-4,4803	11,0914	-1,9162	-68,229
98	98	116	DEAD	13,2501	-4,3767	14,3651	-3,9291	-75,707
98	98	117	DEAD	13,8568	-3,6014	14,8714	1,0739	-74,266
98	98	97	DEAD	9,3842	-3,705	10,8031	-0,2905	-69,045
98	98	96	STERR	-22,7008	33,9386	19,4461	-50,0297	38,843
98	98	116	STERR	-4,839	35,6235	32,0256	-39,2633	44,019
98	98	117	STERR	-5,5441	31,0339	39,2098	-27,064	34,739
98	98	97	STERR	-26,168	29,3489	15,8043	-46,6901	34,963
98	98	96	SSOVRdx	-12,4071	4,7265	14,5705	-13,2352	9,937
98	98	116	SSOVRdx	-6,661	5,4584	13,2899	-8,1544	15,301
98	98	117	SSOVRdx	-8,047	6,4518	9,9414	-10,3611	19,731
98	98	97	SSOVRdx	-17,0135	5,72	8,3975	-18,3011	12,686
98	98	96	SSOVRsx	-4,5963	15,0878	6,2875	-25,5119	54,195
98	98	116	SSOVRsx	0,6985	16,0269	11,7265	-22,5933	55,468
98	98	117	SSOVRsx	0,805	12,4548	19,0412	-7,7013	34,332
98	98	97	SSOVRsx	-3,0654	11,5157	8,0152	-15,0333	46,103
98	98	96	SW2	117,0049	-56,3548	139,5116	-24,1025	-68,229
98	98	116	SW2	166,6636	-55,0511	180,6887	-49,4217	-75,707
98	98	117	SW2	174,2951	-45,2995	187,0576	13,5073	-74,266
98	98	97	SW2	118,038	-46,6032	135,8851	-3,6542	-69,045
99	99	97	DEAD	9,3755	-3,9306	10,9428	-0,4823	-68,262
99	99	117	DEAD	13,97	-3,2749	14,8494	1,7749	-74,968
99	99	118	DEAD	12,9412	-3,4578	14,0935	2,5648	-71,57
99	99	98	DEAD	9,3821	-4,1134	11,1513	-0,182	-66,728
99	99	97	STERR	-26,213	24,7157	11,3292	-42,4844	33,359
99	99	117	STERR	-5,3908	25,1279	34,3464	-21,2805	32,307
99	99	118	STERR	-6,4809	21,5211	33,5582	-18,0486	28,258
99	99	98	STERR	-24,9215	21,1088	9,6259	-37,8192	31,425
99	99	97	SSOVRdx	-17,1033	5,4996	7,8722	-18,3143	12,418
99	99	117	SSOVRdx	-7,6535	7,2474	12,2359	-10,2943	20,021
99	99	118	SSOVRdx	-11,2793	7,1887	10,6161	-13,6394	18,176
99	99	98	SSOVRdx	-17,1444	5,4408	8,6117	-18,2937	11,928
99	99	97	SSOVRsx	-3,0089	8,7997	5,4666	-12,1453	46,075
99	99	117	SSOVRsx	0,5229	7,5872	13,5445	-3,8979	30,227
99	99	118	SSOVRsx	3,2254	5,1483	15,6075	1,0848	22,577
99	99	98	SSOVRsx	-2,2672	6,3609	3,6732	-9,0783	46,958
99	99	97	SW2	117,9286	-49,4401	137,6416	-6,0671	-68,262
99	99	117	SW2	175,7186	-41,1932	186,7809	22,3252	-74,968
99	99	118	SW2	162,779	-43,493	177,2723	32,2606	-71,57
99	99	98	SW2	118,0113	-51,7399	140,264	-2,2897	-66,728
100	100	98	DEAD	9,3881	-4,0587	11,1212	-0,1164	-66,876
100	100	118	DEAD	12,9168	-3,9495	14,3651	2,1465	-69,862
100	100	119	DEAD	12,8494	-4,1264	14,3744	1,6846	-69,716
100	100	99	DEAD	9,1822	-4,2356	11,1002	-0,171	-65,637
100	100	98	STERR	-24,9771	18,2093	6,864	-35,3906	29,764
100	100	118	STERR	-6,2882	16,7623	30,5757	-13,9102	24,452
100	100	119	STERR	-4,3996	13,0696	26,0838	-10,0032	23,207
100	100	99	STERR	-24,2027	14,5167	4,7774	-31,4744	26,607
100	100	98	SSOVRdx	-17,581	4,991	6,3214	-18,6231	11,794
100	100	118	SSOVRdx	-9,657	6,0675	17,7121	-11,0022	12,5
100	100	119	SSOVRdx	-11,5621	4,6388	14,6052	-12,3844	10,053
100	100	99	SSOVRdx	-18,2857	3,5623	6,2923	-18,802	8,247
100	100	98	SSOVRsx	-1,874	4,8709	3,3603	-6,4066	42,94
100	100	118	SSOVRsx	1,7636	2,8244	7,5391	0,3824	26,06
100	100	119	SSOVRsx	5,0193	1,6377	7,6824	4,0122	31,59
100	100	99	SSOVRsx	-0,8907	3,6841	2,58	-4,8014	46,709
100	100	98	SW2	118,0859	-51,0513	139,8863	-1,4644	-66,876
100	100	118	SW2	162,4715	-49,6779	180,6885	26,9995	-69,862
100	100	119	SW2	161,6234	-51,9029	180,8061	21,1888	-69,716
100	100	99	SW2	115,496	-53,2763	139,6222	-2,151	-65,637
101	101	99	DEAD	9,1858	-4,8143	11,5536	-0,6027	-63,81
101	101	119	DEAD	12,7134	-3,5696	13,84	1,4034	-72,484
101	101	120	DEAD	8,2507	-3,1514	9,2282	-1,9094	-72,768
101	101	100	DEAD	6,7971	-4,3961	9,1296	-1,4884	-62,051

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
101	101	99	STERR	-24,2178	10,7844	1,8853	-28,6733	22,448
101	101	119	STERR	-4,4596	6,4695	21,7756	-6,0549	13,853
101	101	120	STERR	-2,4601	1,5525	3,3135	-2,8776	15,051
101	101	100	STERR	-9,0955	5,8674	0,3941	-12,7233	31,728
101	101	99	SSOVRdx	-18,2613	3,5944	6,4213	-18,7847	8,285
101	101	119	SSOVRdx	-11,2178	0,6148	15,5185	-11,2319	1,317
101	101	120	SSOVRdx	-7,6177	-0,7454	5,4669	-7,6601	-3,26
101	101	100	SSOVRdx	-9,4079	2,2342	7,039	-9,7114	7,736
101	101	99	SSOVRsx	-0,93	1,3504	0,1542	-2,6119	51,239
101	101	119	SSOVRsx	4,6637	0,8253	5,6143	3,9472	40,967
101	101	120	SSOVRsx	3,2771	-0,5916	3,358	-1,0492	-82,213
101	101	100	SSOVRsx	1,5477	-0,0665	1,5487	-2,8099	-89,125
101	101	99	SW2	115,5416	-60,5561	145,3254	-7,5806	-63,81
101	101	119	SW2	159,9138	-44,8993	174,0845	17,6526	-72,484
101	101	120	SW2	103,7798	-39,6389	116,0747	-24,017	-72,768
101	101	100	SW2	85,4964	-55,2958	114,8349	-18,7221	-62,051
102	102	101	DEAD	2,9031	0,3979	14,5289	2,8894	1,96
102	102	122	DEAD	1,6149	2,0056	8,6466	1,0429	15,919
102	102	123	DEAD	-6,3281	3,7054	2,8837	-7,8186	21,912
102	102	102	DEAD	-0,8602	2,0977	4,7209	-1,6486	20,599
102	102	101	STERR	-21,2256	-9,0303	-20,2758	-107,0779	-83,995
102	102	122	STERR	-10,9618	-10,5983	-8,5344	-57,2363	-77,1
102	102	123	STERR	-1,2903	-25,5746	15,1359	-41,1085	-57,288
102	102	102	STERR	-4,2405	-24,0067	7,1919	-54,6516	-64,535
102	102	101	SSOVRdx	14,2882	-3,8632	71,7009	14,0282	-3,85
102	102	122	SSOVRdx	18,6866	-4,3952	93,6907	18,4291	-3,354
102	102	123	SSOVRdx	12,5394	-10,3536	59,7415	10,2684	-12,372
102	102	102	SSOVRdx	12,0341	-9,8216	54,0377	9,7375	-13,161
102	102	101	SSOVRsx	-27,1208	-0,3708	-27,1195	-135,6053	-89,804
102	102	122	SSOVRsx	-26,4826	-1,1026	-26,4711	-132,4245	-89,404
102	102	123	SSOVRsx	-12,4919	-2,7924	-12,3613	-72,2016	-87,322
102	102	102	SSOVRsx	-13,5251	-2,0606	-13,4581	-76,8651	-88,137
102	102	101	SW2	36,5155	5,0051	182,7488	36,3442	1,96
102	102	122	SW2	20,313	25,2271	108,7601	13,1177	15,919
102	102	123	SW2	-79,5969	46,6075	36,2723	-98,3444	21,912
102	102	102	SW2	-10,8194	26,3855	59,3804	-20,7367	20,599
103	103	102	DEAD	-0,8624	2,8388	5,2417	-2,1826	24,942
103	103	123	DEAD	-6,183	4,2536	3,9113	-7,9754	22,85
103	103	124	DEAD	-10,137	4,7132	-0,7012	-12,4912	26,542
103	103	103	DEAD	-3,2003	3,2984	2,6756	-5,0518	29,307
103	103	102	STERR	-4,2936	-31,0462	12,8239	-60,6024	-61,13
103	103	123	STERR	-1,3256	-33,3652	22,2871	-48,4714	-54,713
103	103	124	STERR	3,103	-36,6219	31,8263	-43,5896	-51,892
103	103	103	STERR	5,7347	-34,3029	29,7659	-43,2304	-54,986
103	103	102	SSOVRdx	12,0295	-12,4595	55,3055	8,4424	-16,061
103	103	123	SSOVRdx	12,4487	-12,6299	60,3473	9,1184	-14,772
103	103	124	SSOVRdx	9,5598	-13,4307	45,5054	4,5416	-20,488
103	103	103	SSOVRdx	9,854	-13,2602	45,1186	4,8679	-20,607
103	103	102	SSOVRsx	-13,5623	-3,1081	-13,4103	-77,1356	-87,201
103	103	123	SSOVRsx	-12,4312	-4,9698	-12,0178	-72,1808	-85,245
103	103	124	SSOVRsx	-5,6131	-6,0863	-4,7739	-49,7568	-82,15
103	103	103	SSOVRsx	-4,6268	-4,2245	-4,2497	-51,955	-84,899
103	103	102	SW2	-10,8469	35,7069	65,9314	-27,453	24,942
103	103	123	SW2	-77,7714	53,5036	49,1981	-100,3173	22,85
103	103	124	SW2	-127,5059	59,2846	-8,8194	-157,1189	26,542
103	103	103	SW2	-40,255	41,488	33,6543	-63,5438	29,307
104	104	103	DEAD	-3,1794	4,0463	3,4125	-5,6631	31,543
104	104	124	DEAD	-10,2371	5,1305	-0,7745	-13,0188	28,466
104	104	125	DEAD	-11,1172	5,6616	-1,1667	-14,3385	29,639
104	104	104	DEAD	-4,9011	4,5774	2,5883	-7,6987	31,432
104	104	103	STERR	5,7395	-35,9547	31,3338	-44,7693	-54,555
104	104	124	STERR	3,0739	-37,6943	32,795	-44,7326	-51,745
104	104	125	STERR	4,8926	-38,1841	36,8101	-40,7884	-50,108
104	104	104	STERR	10,8203	-36,4445	38,8518	-36,562	-52,434
104	104	103	SSOVRdx	9,8019	-14,2161	45,5286	4,1451	-21,698
104	104	124	SSOVRdx	9,7754	-13,0161	46,2144	5,126	-19,657
104	104	125	SSOVRdx	5,7232	-13,0037	37,7324	0,4405	-22,109
104	104	104	SSOVRdx	8,5851	-14,2037	41,0712	2,3749	-23,616
104	104	103	SSOVRsx	-4,5717	-4,3607	-4,1683	-51,7059	-84,714
104	104	124	SSOVRsx	-5,8506	-7,1718	-4,7174	-51,2385	-81,021

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
104	104	125	SSOVRsx	-0,1272	-7,5808	1,3518	-38,984	-78,961
104	104	104	SSOVRsx	0,0821	-4,7698	0,6333	-41,1893	-83,408
104	104	103	SW2	-39,9915	50,8953	42,9235	-71,2323	31,543
104	104	124	SW2	-128,7656	64,5332	-9,7422	-163,7548	28,466
104	104	125	SW2	-139,8361	71,2134	-14,6746	-180,3545	29,639
104	104	104	SW2	-61,648	57,5755	32,5562	-96,8369	31,432
105	105	104	DEAD	-4,8981	4,8593	2,8525	-7,9447	32,086
105	105	125	DEAD	-11,1272	6,3948	-0,5656	-14,999	31,194
105	105	126	DEAD	-12,9054	6,8115	0,1147	-16,4688	27,617
105	105	105	DEAD	-6,0834	5,276	2,7753	-9,2257	30,777
105	105	104	STERR	10,8361	-36,9286	39,3594	-36,9748	-52,318
105	105	125	STERR	4,8369	-38,0092	36,491	-40,8034	-50,213
105	105	126	STERR	5,5622	-37,9712	39,3263	-37,1403	-48,356
105	105	105	STERR	15,0469	-36,8906	44,9555	-30,4556	-50,967
105	105	104	SSOVRdx	8,277	-14,6528	40,0729	1,5244	-24,742
105	105	125	SSOVRdx	6,8892	-13,1834	43,0814	2,087	-20,015
105	105	126	SSOVRdx	2,5885	-13,8811	36,2801	-3,1306	-22,392
105	105	105	SSOVRdx	7,1404	-15,3505	36,7672	-0,8132	-27,39
105	105	104	SSOVRsx	0,4037	-4,8257	0,9856	-39,6122	-83,124
105	105	125	SSOVRsx	-1,3412	-7,362	-0,0947	-44,8217	-80,39
105	105	126	SSOVRsx	3,7203	-6,8257	4,9608	-33,8379	-79,7
105	105	105	SSOVRsx	4,3905	-4,2893	4,9088	-31,1089	-83,11
105	105	104	SW2	-61,6099	61,122	35,8792	-99,9311	32,086
105	105	125	SW2	-139,9609	80,4353	-7,1149	-188,6627	31,194
105	105	126	SW2	-162,3279	85,6771	1,4424	-207,1502	27,617
105	105	105	SW2	-76,5193	66,3638	34,9086	-116,044	30,777
106	106	105	DEAD	-6,0948	5,8111	3,2067	-9,7253	31,995
106	106	126	DEAD	-12,7791	6,7497	0,5902	-16,1868	26,788
106	106	127	DEAD	-13,2396	6,1847	4,9675	-15,3404	18,762
106	106	106	DEAD	-9,3053	5,2461	2,4516	-11,6462	24,047
106	106	105	STERR	15,049	-36,7238	44,7976	-30,2854	-50,99
106	106	126	STERR	5,5832	-37,5048	38,921	-36,6094	-48,366
106	106	127	STERR	4,7605	-36,7378	40,1471	-33,3801	-46,073
106	106	106	STERR	22,7518	-35,9568	52,1366	-21,2469	-50,744
106	106	105	SSOVRdx	7,0903	-15,5943	36,7598	-1,1061	-27,727
106	106	126	SSOVRdx	2,8811	-15,7481	38,9079	-4,0027	-23,611
106	106	127	SSOVRdx	-0,4619	-16,5319	23,9457	-11,6594	-34,111
106	106	106	SSOVRdx	4,5932	-16,3782	26,7304	-7,5241	-36,496
106	106	105	SSOVRsx	4,4454	-4,4286	5,0007	-30,8716	-82,853
106	106	126	SSOVRsx	3,4409	-5,0832	4,1189	-34,6723	-82,403
106	106	127	SSOVRsx	6,3702	-4,6333	7,4093	-14,2894	-77,36
106	106	106	SSOVRsx	12,4492	-3,9787	13,0448	-14,1278	-81,486
106	106	105	SW2	-76,6621	73,0939	40,3354	-122,3274	31,995
106	106	126	SW2	-160,7398	84,8996	7,4233	-203,6026	26,788
106	106	127	SW2	-166,5314	77,7933	62,4828	-192,9569	18,762
106	106	106	SW2	-117,0455	65,9876	30,8375	-146,4902	24,047
107	107	106	DEAD	-9,3021	4,4803	1,9162	-11,0914	21,771
107	107	127	DEAD	-13,2501	4,3767	3,9291	-14,3651	14,293
107	107	128	DEAD	-13,8568	3,6014	-1,0739	-14,8714	15,734
107	107	107	DEAD	-9,3842	3,705	0,2905	-10,8031	20,955
107	107	106	STERR	22,7008	-33,9386	50,0297	-19,4461	-51,157
107	107	127	STERR	4,839	-35,6235	39,2633	-32,0256	-45,981
107	107	128	STERR	5,5441	-31,0339	27,064	-39,2098	-55,261
107	107	107	STERR	26,168	-29,3489	46,6901	-15,8043	-55,037
107	107	106	SSOVRdx	4,5963	-15,0878	25,5119	-6,2875	-35,805
107	107	127	SSOVRdx	-0,6985	-16,0269	22,5933	-11,7265	-34,532
107	107	128	SSOVRdx	-0,805	-12,4548	7,7013	-19,0412	-55,668
107	107	107	SSOVRdx	3,0654	-11,5157	15,0333	-8,0152	-43,897
107	107	106	SSOVRsx	12,4071	-4,7265	13,2352	-14,5705	-80,063
107	107	127	SSOVRsx	6,661	-5,4584	8,1544	-13,2899	-74,699
107	107	128	SSOVRsx	8,047	-6,4518	10,3611	-9,9414	-70,269
107	107	107	SSOVRsx	17,0135	-5,72	18,3011	-8,3975	-77,314
107	107	106	SW2	-117,0049	56,3548	24,1025	-139,5116	21,771
107	107	127	SW2	-166,6636	55,0511	49,4217	-180,6887	14,293
107	107	128	SW2	-174,2951	45,2995	-13,5073	-187,0576	15,734
107	107	107	SW2	-118,038	46,6032	3,6542	-135,8851	20,955
108	108	107	DEAD	-9,3755	3,9306	0,4823	-10,9428	21,738
108	108	128	DEAD	-13,97	3,2749	-1,7749	-14,8494	15,032
108	108	129	DEAD	-12,9412	3,4578	-2,5648	-14,0935	18,43
108	108	108	DEAD	-9,3821	4,1134	0,182	-11,1513	23,272

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
108	108	107	STERR	26,213	-24,7157	42,4844	-11,3292	-56,641
108	108	128	STERR	5,3908	-25,1279	21,2805	-34,3464	-57,693
108	108	129	STERR	6,4809	-21,5211	18,0486	-33,5582	-61,742
108	108	108	STERR	24,9215	-21,1088	37,8192	-9,6259	-58,575
108	108	107	SSOVRdx	3,0089	-8,7997	12,1453	-5,4666	-43,925
108	108	128	SSOVRdx	-0,5229	-7,5872	3,8979	-13,5445	-59,773
108	108	129	SSOVRdx	-3,2254	-5,1483	-1,0848	-15,6075	-67,423
108	108	108	SSOVRdx	2,2672	-6,3609	9,0783	-3,6732	-43,042
108	108	107	SSOVRsx	17,1033	-5,4996	18,3143	-7,8722	-77,582
108	108	128	SSOVRsx	7,6535	-7,2474	10,2943	-12,2359	-69,979
108	108	129	SSOVRsx	11,2793	-7,1887	13,6394	-10,6161	-71,824
108	108	108	SSOVRsx	17,1444	-5,4408	18,2937	-8,6117	-78,072
108	108	107	SW2	-117,9286	49,4401	6,0671	-137,6416	21,738
108	108	128	SW2	-175,7186	41,1932	-22,3252	-186,7809	15,032
108	108	129	SW2	-162,779	43,493	-32,2606	-177,2723	18,43
108	108	108	SW2	-118,0113	51,7399	2,2897	-140,264	23,272
109	109	108	DEAD	-9,3881	4,0587	0,1164	-11,1212	23,124
109	109	129	DEAD	-12,9168	3,9495	-2,1465	-14,3651	20,138
109	109	130	DEAD	-12,8494	4,1264	-1,6846	-14,3744	20,284
109	109	109	DEAD	-9,1822	4,2356	0,171	-11,1002	24,363
109	109	108	STERR	24,9771	-18,2093	35,3906	-6,864	-60,236
109	109	129	STERR	6,2882	-16,7623	13,9102	-30,5757	-65,548
109	109	130	STERR	4,3996	-13,0696	10,0032	-26,0838	-66,793
109	109	109	STERR	24,2027	-14,5167	31,4744	-4,7774	-63,393
109	109	108	SSOVRdx	1,874	-4,8709	6,4066	-3,3603	-47,06
109	109	129	SSOVRdx	-1,7636	-2,8244	-0,3824	-7,5391	-63,94
109	109	130	SSOVRdx	-5,0193	-1,6377	-4,0122	-7,6824	-58,41
109	109	109	SSOVRdx	0,8907	-3,6841	4,8014	-2,58	-43,291
109	109	108	SSOVRsx	17,581	-4,991	18,6231	-6,3214	-78,206
109	109	129	SSOVRsx	9,657	-6,0675	11,0022	-17,7121	-77,5
109	109	130	SSOVRsx	11,5621	-4,6388	12,3844	-14,6052	-79,947
109	109	109	SSOVRsx	18,2857	-3,5623	18,802	-6,2923	-81,753
109	109	108	SW2	-118,0859	51,0513	1,4644	-139,8863	23,124
109	109	129	SW2	-162,4715	49,6779	-26,9995	-180,6885	20,138
109	109	130	SW2	-161,6234	51,9029	-21,1888	-180,8061	20,284
109	109	109	SW2	-115,496	53,2763	2,151	-139,6222	24,363
110	110	109	DEAD	-9,1858	4,8143	0,6027	-11,5536	26,19
110	110	130	DEAD	-12,7134	3,5696	-1,4034	-13,84	17,516
110	110	131	DEAD	-8,2507	3,1514	1,9094	-9,2282	17,232
110	110	110	DEAD	-6,7971	4,3961	1,4884	-9,1296	27,949
110	110	109	STERR	24,2178	-10,7844	28,6733	-1,8853	-67,552
110	110	130	STERR	4,4596	-6,4695	6,0549	-21,7756	-76,147
110	110	131	STERR	2,4601	-1,5525	2,8776	-3,3135	-74,949
110	110	110	STERR	9,0955	-5,8674	12,7233	-0,3941	-58,272
110	110	109	SSOVRdx	0,93	-1,3504	2,6119	-0,1542	-38,761
110	110	130	SSOVRdx	-4,6637	-0,8253	-3,9472	-5,6143	-49,033
110	110	131	SSOVRdx	-3,2771	0,5916	1,0492	-3,358	7,787
110	110	110	SSOVRdx	-1,5477	0,0665	2,8099	-1,5487	0,875
110	110	109	SSOVRsx	18,2613	-3,5944	18,7847	-6,4213	-81,715
110	110	130	SSOVRsx	11,2178	-0,6148	11,2319	-15,5185	-88,683
110	110	131	SSOVRsx	7,6177	0,7454	7,6601	-5,4669	86,74
110	110	110	SSOVRsx	9,4079	-2,2342	9,7114	-7,039	-82,264
110	110	109	SW2	-115,5416	60,5561	7,5806	-145,3254	26,19
110	110	130	SW2	-159,9138	44,8993	-17,6526	-174,0845	17,516
110	110	131	SW2	-103,7798	39,6389	24,017	-116,0747	17,232
110	110	110	SW2	-85,4964	55,2958	18,7221	-114,8349	27,949
111	111	111	DEAD	-1,6149	-2,5591	-0,724	-8,9655	-70,805
111	111	133	DEAD	-0,3942	-3,4939	2,3992	-4,7644	-51,358
111	111	134	DEAD	6,1905	-7,2916	10,702	-5,5941	-58,253
111	111	112	DEAD	6,5201	-6,3567	10,06	-4,8948	-60,887
111	111	111	STERR	10,9618	10,9628	57,3971	8,3736	13,284
111	111	133	STERR	6,6084	11,5191	37,3574	2,2932	20,537
111	111	134	STERR	-0,6482	27,7486	38,4153	-20,3593	35,388
111	111	112	STERR	1,4797	27,1924	42,6711	-16,4712	33,431
111	111	111	SSOVRdx	26,4826	1,306	132,4291	26,4665	0,706
111	111	133	SSOVRdx	25,9009	1,7555	129,5342	25,8711	0,97
111	111	134	SSOVRdx	9,4898	4,0965	70,7164	9,2157	3,828
111	111	112	SSOVRdx	12,674	3,647	72,3304	12,4511	3,498
111	111	111	SSOVRsx	-18,6866	4,4203	-18,4261	-93,6937	86,627
111	111	133	SSOVRsx	-20,3843	4,3862	-20,149	-102,1568	86,93

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
111	111	134	SSOVRsx	-10,33	10,8328	-8,045	-61,6858	78,089
111	111	112	SSOVRsx	-12,564	10,8669	-10,0728	-59,9666	77,088
111	111	111	SW2	-20,313	-32,1889	-9,1066	-112,7712	-70,805
111	111	133	SW2	-4,9585	-43,9478	30,1774	-59,9282	-51,358
111	111	134	SW2	77,8657	-91,7156	134,6137	-70,3641	-58,253
111	111	112	SW2	82,0119	-79,9567	126,5381	-61,5681	-60,887
112	112	112	DEAD	6,375	-6,6563	10,0327	-5,7382	-61,211
112	112	134	DEAD	6,2517	-8,6632	12,0865	-6,611	-56,039
112	112	135	DEAD	22,2636	-6,9706	24,2527	-2,1637	-74,073
112	112	113	DEAD	9,5782	-4,9637	12,2311	0,2908	-61,877
112	112	112	STERR	1,515	34,5034	49,6359	-23,2244	35,641
112	112	134	STERR	-0,677	34,5536	44,8087	-26,9259	37,222
112	112	135	STERR	0,7237	37,7394	45,322	-31,2116	40,238
112	112	113	STERR	-3,3904	37,6892	44,4813	-33,0629	38,213
112	112	112	SSOVRdx	12,6133	5,0642	72,234	12,1831	4,855
112	112	134	SSOVRdx	9,7153	5,0583	71,981	9,3044	4,644
112	112	135	SSOVRdx	6,1602	7,8755	43,1569	4,4838	12,017
112	112	113	SSOVRdx	5,6272	7,8814	50,3107	4,2371	10,003
112	112	112	SSOVRsx	-12,4733	13,6505	-8,6233	-60,872	74,249
112	112	134	SSOVRsx	-10,5728	13,9317	-6,9556	-64,2317	75,445
112	112	135	SSOVRsx	-7,1596	13,1012	-1,8124	-39,259	67,797
112	112	113	SSOVRsx	-9,7821	12,8201	-5,1385	-45,1753	70,089
112	112	112	SW2	80,1864	-83,7255	126,1945	-72,1774	-61,211
112	112	134	SW2	78,6363	-108,9688	152,0284	-83,155	-56,039
112	112	135	SW2	280,0387	-87,6786	305,0587	-27,2161	-74,073
112	112	113	SW2	120,4772	-62,4353	153,8464	3,6576	-61,877
113	113	113	DEAD	9,6783	-4,8316	12,3112	0,8116	-61,413
113	113	135	DEAD	22,0793	-1,7906	22,2169	-1,2335	-85,608
113	113	136	DEAD	6,4936	-3,2228	17,3343	5,5355	-16,557
113	113	114	DEAD	11,9509	-6,2638	15,5268	0,9788	-60,279
113	113	113	STERR	-3,3613	38,793	45,6556	-34,0629	38,359
113	113	135	STERR	0,61	39,6833	46,8642	-33,4359	40,628
113	113	136	STERR	-4,0443	39,2792	45,0559	-35,4668	38,659
113	113	114	STERR	-4,7404	38,3888	41,0705	-36,9096	39,962
113	113	113	SSOVRdx	5,8647	11,1001	52,7368	3,236	13,323
113	113	135	SSOVRdx	5,2623	12,7018	41,4494	0,804	19,341
113	113	136	SSOVRdx	4,9168	9,5741	65,8326	3,412	8,932
113	113	114	SSOVRdx	0,1901	7,9724	39,149	-1,4414	11,565
113	113	113	SSOVRsx	-9,9977	10,268	-6,9553	-44,6519	73,495
113	113	135	SSOVRsx	-6,3184	9,5047	-2,9429	-33,0813	70,448
113	113	136	SSOVRsx	-9,7487	12,2854	-6,6799	-58,9321	75,975
113	113	114	SSOVRsx	-5,6909	13,0488	-0,3803	-37,7538	67,855
113	113	113	SW2	121,737	-60,7738	154,8538	10,2088	-61,413
113	113	135	SW2	277,7209	-22,5233	279,4509	-15,5148	-85,608
113	113	136	SW2	81,6789	-40,5376	218,0364	69,6275	-16,557
113	113	114	SW2	150,3228	-78,7882	195,3016	12,3115	-60,279
114	114	114	DEAD	11,9609	-7,5099	16,6449	-0,0797	-58,048
114	114	136	DEAD	6,4371	-11,1869	23,4498	-0,919	-33,327
114	114	137	DEAD	22,7626	-12,5866	28,1254	-6,7781	-66,922
114	114	115	DEAD	12,4767	-8,9096	17,9271	-2,0874	-58,544
114	114	114	STERR	-4,6847	38,1077	40,9806	-36,4855	39,845
114	114	136	STERR	-4,4654	37,0132	41,3986	-34,3358	38,904
114	114	137	STERR	0,1944	36,4818	38,8445	-34,2406	43,347
114	114	115	STERR	-5,8098	37,5762	36,6113	-39,0945	41,534
114	114	114	SSOVRdx	1,4041	7,7641	44,9714	0,0204	10,105
114	114	136	SSOVRdx	-4,0637	8,6456	22,2645	-6,9027	18,179
114	114	137	SSOVRdx	-0,4285	11,0817	48,7963	-2,9233	12,687
114	114	115	SSOVRdx	-4,0011	10,2003	35,1957	-6,6555	14,587
114	114	114	SSOVRsx	-6,8568	13,1496	-2,0793	-43,0502	70,033
114	114	136	SSOVRsx	-1,1291	11,6426	6,068	-19,9629	58,277
114	114	137	SSOVRsx	-1,677	8,94	0,149	-45,447	78,456
114	114	115	SSOVRsx	-2,4945	10,4471	0,9691	-34,0057	71,658
114	114	114	SW2	150,4475	-94,4617	209,3646	-1,003	-58,048
114	114	136	SW2	80,9683	-140,7124	294,959	-11,559	-33,327
114	114	137	SW2	286,315	-158,3181	353,7706	-85,2571	-66,922
114	114	115	SW2	156,9358	-112,0674	225,493	-26,2557	-58,544
115	115	115	DEAD	12,3504	-7,9149	16,8026	-1,7204	-60,642
115	115	137	DEAD	23,0672	-7,1197	25,0957	-1,921	-74,097
115	115	138	DEAD	8,6947	-4,8998	10,529	-4,3941	-69,476
115	115	116	DEAD	13,6343	-5,6951	15,416	-4,5694	-72,628

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
115	115	115	STERR	-5,8307	37,0391	36,0103	-38,619	41,516
115	115	137	STERR	0,1678	36,8916	39,1709	-34,7266	43,406
115	115	138	STERR	-1,1201	36,5632	35,7002	-37,4281	44,799
115	115	116	STERR	-4,4272	36,7108	33,5484	-39,9154	44,03
115	115	115	SSOVRdx	-3,7217	5,8652	34,8305	-4,614	8,65
115	115	137	SSOVRdx	-1,4572	5,5798	41,8764	-2,1757	7,337
115	115	138	SSOVRdx	-5,0515	3,2328	11,1475	-5,6967	11,286
115	115	116	SSOVRdx	-6,2828	3,5182	13,8816	-6,8967	9,897
115	115	115	SSOVRsx	-2,7871	14,7593	3,3707	-38,163	67,353
115	115	137	SSOVRsx	-0,7001	14,9963	4,5011	-43,938	70,872
115	115	138	SSOVRsx	2,0276	18,0581	14,9839	-23,1413	54,341
115	115	116	SSOVRsx	0,6413	17,8211	12,9953	-25,0664	55,269
115	115	115	SW2	155,3477	-99,5563	211,3486	-21,6399	-60,642
115	115	137	SW2	290,146	-89,5538	315,6619	-24,1628	-74,097
115	115	138	SW2	109,3646	-61,6318	132,4367	-55,2704	-69,476
115	115	116	SW2	171,4969	-71,6344	193,9079	-57,4753	-72,628
116	116	116	DEAD	13,6448	-5,1174	15,1122	-4,2025	-74,001
116	116	138	DEAD	8,6923	-5,9775	11,2731	-5,1523	-66,648
116	116	139	DEAD	22,5537	-3,7726	23,1467	-1,447	-81,067
116	116	117	DEAD	13,46	-2,9126	14,1582	1,3109	-76,519
116	116	116	STERR	-4,5056	35,6734	32,2711	-39,1087	44,128
116	116	138	STERR	-1,1764	35,4622	34,4293	-36,4956	44,884
116	116	139	STERR	12,6201	32,9923	52,0818	-14,9634	39,898
116	116	117	STERR	-6,2051	33,2035	40,9416	-29,589	35,155
116	116	116	SSOVRdx	-6,5736	4,2901	12,7657	-7,5253	12,508
116	116	138	SSOVRdx	-4,362	4,004	14,7871	-5,1992	11,81
116	116	139	SSOVRdx	-2,1186	7,6851	7,4209	-8,3098	38,855
116	116	117	SSOVRdx	-8,0804	7,9712	10,9581	-11,4178	22,718
116	116	116	SSOVRsx	0,8779	17,5804	13,3171	-23,9686	54,718
116	116	138	SSOVRsx	1,2802	17,9421	13,1648	-25,8067	56,48
116	116	139	SSOVRsx	8,1938	13,2523	30,0315	0,1516	31,252
116	116	117	SSOVRsx	0,3327	12,8906	19,2324	-8,4594	34,296
116	116	116	SW2	171,6291	-64,3689	190,0859	-52,8603	-74,001
116	116	138	SW2	109,3351	-75,1864	141,7969	-64,8076	-66,648
116	116	139	SW2	283,6877	-47,4529	291,1466	-18,2008	-81,067
116	116	117	SW2	169,3039	-36,6354	178,0867	16,4887	-76,519
117	117	117	DEAD	13,5732	-1,7562	13,8468	2,3014	-81,144
117	117	139	DEAD	22,2598	1,5055	22,3516	-2,4155	86,509
117	117	140	DEAD	7,3623	0,4476	13,6214	7,3303	4,091
117	117	118	DEAD	13,6447	-2,814	14,3961	3,1063	-75,049
117	117	117	STERR	-6,0518	27,9995	36,6735	-24,4009	33,238
117	117	139	STERR	12,5846	31,7746	50,7647	-13,8592	39,768
117	117	140	STERR	-3,3457	25,1239	58,0007	-13,635	22,271
117	117	118	STERR	-5,8248	21,3488	33,6636	-17,3667	28,397
117	117	117	SSOVRdx	-7,6868	12,102	15,8191	-13,9175	27,242
117	117	139	SSOVRdx	-3,383	14,3064	10,0942	-18,5696	46,709
117	117	140	SSOVRdx	-1,8652	8,8136	49,783	-3,3692	9,684
117	117	118	SSOVRdx	-11,1357	6,6092	10,3204	-13,1716	17,121
117	117	117	SSOVRsx	0,0505	5,0969	11,3321	-2,2522	24,313
117	117	139	SSOVRsx	9,474	5,679	29,9644	7,9001	15,491
117	117	140	SSOVRsx	-3,523	6,2007	0,9984	-12,0267	53,901
117	117	118	SSOVRsx	3,5075	5,6186	16,0419	0,9889	24,144
117	117	117	SW2	170,7274	-22,0898	174,1691	28,9475	-81,144
117	117	139	SW2	279,9906	18,9361	281,1459	-30,3826	86,509
117	117	140	SW2	92,6049	5,6305	171,3339	92,2023	4,091
117	117	118	SW2	171,627	-35,3954	181,0784	39,0721	-75,049
118	118	118	DEAD	13,6202	-3,8228	14,9261	2,4296	-71,139
118	118	140	DEAD	7,5347	-6,6904	18,5245	3,4617	-31,332
118	118	141	DEAD	21,2811	-7,7885	23,6033	-4,8412	-73,398
118	118	119	DEAD	12,4152	-4,921	14,5368	1,0012	-66,677
118	118	118	STERR	-5,6322	16,1054	30,3031	-12,8503	24,141
118	118	140	STERR	-4,7405	12,4032	43,9001	-7,9033	14,305
118	118	141	STERR	13,1242	6,5469	32,7853	10,9441	18,417
118	118	119	STERR	-5,3496	10,2492	23,8836	-8,943	19,321
118	118	118	SSOVRdx	-9,5135	5,2668	17,4254	-10,5432	11,062
118	118	140	SSOVRdx	-13,8616	5,4455	-7,2308	-18,3337	39,395
118	118	141	SSOVRdx	-3,6524	7,4149	35,8817	-5,0432	10,623
118	118	119	SSOVRdx	-12,0258	7,2362	15,5864	-13,9222	14,685
118	118	118	SSOVRsx	2,0457	3,1892	7,9399	0,3201	28,416
118	118	140	SSOVRsx	7,2971	0,329	46,5981	7,2943	0,48

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
118	118	141	SSOVRsx	10,0975	-5,9354	12,0624	-7,8311	-71,682
118	118	119	SSOVRsx	4,8557	-3,0752	8,9515	2,5467	-36,9
118	118	118	SW2	171,3195	-48,085	187,7458	30,5598	-71,139
118	118	140	SW2	94,7738	-84,1534	233,0065	43,5428	-31,332
118	118	141	SW2	267,6804	-97,9664	296,8897	-60,8942	-73,398
118	118	119	SW2	156,1624	-61,898	182,8488	12,5928	-66,677
119	119	119	DEAD	12,2793	-3,5679	13,4372	1,2853	-72,02
119	119	141	DEAD	21,579	-2,1594	21,7834	-1,234	-84,593
119	119	142	DEAD	5,7125	0,4553	5,7448	-0,7031	85,94
119	119	120	DEAD	8,9793	-0,9532	9,0715	-0,8784	-84,477
119	119	119	STERR	-5,4096	3,7132	20,522	-5,9413	8,149
119	119	141	STERR	12,8438	3,7271	30,0124	12,0347	12,248
119	119	142	STERR	0,7993	0,6994	3,4545	0,615	14,757
119	119	120	STERR	-2,142	0,6855	3,0502	-2,2325	7,521
119	119	119	SSOVRdx	-11,6815	0,3262	15,4156	-11,6854	0,69
119	119	141	SSOVRdx	-5,1293	-0,5438	27,116	-5,1384	-0,966
119	119	142	SSOVRdx	-3,9599	-4,7262	5,4461	-6,3346	-26,678
119	119	120	SSOVRdx	-8,1951	-3,8562	6,3326	-9,2187	-14,866
119	119	119	SSOVRsx	4,5002	-0,9605	5,6602	3,7049	-39,624
119	119	141	SSOVRsx	11,2774	-0,2762	11,2842	0,0269	-88,594
119	119	142	SSOVRsx	2,0679	1,9517	3,5901	-0,4344	52,047
119	119	120	SSOVRsx	3,7396	1,2674	4,0647	-1,2009	75,612
119	119	119	SW2	154,4527	-44,8787	169,0174	16,1664	-72,02
119	119	141	SW2	271,4273	-27,162	273,9984	-15,5218	-84,593
119	119	142	SW2	71,8537	5,7275	72,2602	-8,8444	85,94
119	119	120	SW2	112,9444	-11,9892	114,1036	-11,0485	-84,477
120	120	120	DEAD	9,0391	-0,3591	9,0526	-0,5007	-87,844
120	120	142	DEAD	5,5223	0,3197	5,5365	-1,6363	87,443
120	120	143	DEAD	4,0033	-0,147	4,0092	0,3223	-87,713
120	120	121	DEAD	1,8143	-0,8258	2,0165	-1,5579	-76,24
120	120	120	STERR	-2,1694	0,0241	2,8227	-2,1695	0,277
120	120	142	STERR	1,0153	0,0825	4,3523	1,0132	1,416
120	120	143	STERR	-1,3742	0,6804	0,1387	-1,6802	24,216
120	120	121	STERR	-1,6774	0,622	1,8172	-1,7881	10,093
120	120	120	SSOVRdx	-8,1614	-2,9472	6,0869	-8,771	-11,686
120	120	142	SSOVRdx	-3,3458	-3,3228	7,1896	-4,3938	-17,505
120	120	143	SSOVRdx	-5,0007	0,0432	-0,527	-5,0011	0,554
120	120	121	SSOVRdx	-2,8833	0,4188	5,4934	-2,9042	2,862
120	120	120	SSOVRsx	3,764	0,6131	3,8457	-0,8357	82,407
120	120	142	SSOVRsx	1,7377	0,8624	2,0251	-0,8503	71,571
120	120	143	SSOVRsx	1,7824	0,0362	1,7832	0,134	88,741
120	120	121	SSOVRsx	0,5274	-0,213	0,5572	-0,9918	-82,018
120	120	120	SW2	113,6966	-4,517	113,8666	-6,2981	-87,844
120	120	142	SW2	69,4607	4,0211	69,6403	-20,582	87,443
120	120	143	SW2	50,3552	-1,8492	50,429	4,0545	-87,713
120	120	121	SW2	22,8203	-10,3873	25,364	-19,5959	-76,24
121	121	122	DEAD	1,6149	2,5591	8,9655	0,724	19,195
121	121	144	DEAD	0,3942	3,4939	4,7644	-2,3992	38,642
121	121	145	DEAD	-6,1905	7,2916	5,5941	-10,702	31,747
121	121	123	DEAD	-6,5201	6,3567	4,8948	-10,06	29,113
121	121	122	STERR	-10,9618	-10,9628	-8,3736	-57,3971	-76,716
121	121	144	STERR	-6,6084	-11,5191	-2,2932	-37,3574	-69,463
121	121	145	STERR	0,6482	-27,7486	20,3593	-38,4153	-54,612
121	121	123	STERR	-1,4797	-27,1924	16,4712	-42,6711	-56,569
121	121	122	SSOVRdx	18,6866	-4,4203	93,6937	18,4261	-3,373
121	121	144	SSOVRdx	20,3843	-4,3862	102,1568	20,149	-3,07
121	121	145	SSOVRdx	10,33	-10,8328	61,6858	8,045	-11,911
121	121	123	SSOVRdx	12,564	-10,8669	59,9666	10,0728	-12,912
121	121	122	SSOVRsx	-26,4826	-1,306	-26,4665	-132,4291	-89,294
121	121	144	SSOVRsx	-25,9009	-1,7555	-25,8711	-129,5342	-89,03
121	121	145	SSOVRsx	-9,4898	-4,0965	-9,2157	-70,7164	-86,172
121	121	123	SSOVRsx	-12,674	-3,647	-12,4511	-72,3304	-86,502
121	121	122	SW2	20,313	32,1889	112,7712	9,1066	19,195
121	121	144	SW2	4,9585	43,9478	59,9282	-30,1774	38,642
121	121	145	SW2	-77,8657	91,7156	70,3641	-134,6137	31,747
121	121	123	SW2	-82,0119	79,9567	61,5681	-126,5381	29,113
122	122	123	DEAD	-6,375	6,6563	5,7382	-10,0327	28,789
122	122	145	DEAD	-6,2517	8,6632	6,611	-12,0865	33,961
122	122	146	DEAD	-22,2636	6,9706	2,1637	-24,2527	15,927
122	122	124	DEAD	-9,5782	4,9637	-0,2908	-12,2311	28,123

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
122	122	123	STERR	-1,515	-34,5034	23,2244	-49,6359	-54,359
122	122	145	STERR	0,677	-34,5536	26,9259	-44,8087	-52,778
122	122	146	STERR	-0,7237	-37,7394	31,2116	-45,322	-49,762
122	122	124	STERR	3,3904	-37,6892	33,0629	-44,4813	-51,787
122	122	123	SSOVRdx	12,4733	-13,6505	60,872	8,6233	-15,751
122	122	145	SSOVRdx	10,5728	-13,9317	64,2317	6,9556	-14,555
122	122	146	SSOVRdx	7,1596	-13,1012	39,259	1,8124	-22,203
122	122	124	SSOVRdx	9,7821	-12,8201	45,1753	5,1385	-19,911
122	122	123	SSOVRsx	-12,6133	-5,0642	-12,1831	-72,234	-85,145
122	122	145	SSOVRsx	-9,7153	-5,0583	-9,3044	-71,981	-85,356
122	122	146	SSOVRsx	-6,1602	-7,8755	-4,4838	-43,1569	-77,983
122	122	124	SSOVRsx	-5,6272	-7,8814	-4,2371	-50,3107	-79,997
122	122	123	SW2	-80,1864	83,7255	72,1774	-126,1945	28,789
122	122	145	SW2	-78,6363	108,9688	83,155	-152,0284	33,961
122	122	146	SW2	-280,0387	87,6786	27,2161	-305,0587	15,927
122	122	124	SW2	-120,4772	62,4353	-3,6576	-153,8464	28,123
123	123	124	DEAD	-9,6783	4,8316	-0,8116	-12,3112	28,587
123	123	146	DEAD	-22,0793	1,7906	1,2335	-22,2169	4,392
123	123	147	DEAD	-6,4936	3,2228	-5,5355	-17,3343	73,443
123	123	125	DEAD	-11,9509	6,2638	-0,9788	-15,5268	29,721
123	123	124	STERR	3,3613	-38,793	34,0629	-45,6556	-51,641
123	123	146	STERR	-0,61	-39,6833	33,4359	-46,8642	-49,372
123	123	147	STERR	4,0443	-39,2792	35,4668	-45,0559	-51,341
123	123	125	STERR	4,7404	-38,3888	36,9096	-41,0705	-50,038
123	123	124	SSOVRdx	9,9977	-10,268	44,6519	6,9553	-16,505
123	123	146	SSOVRdx	6,3184	-9,5047	33,0813	2,9429	-19,552
123	123	147	SSOVRdx	9,7487	-12,2854	58,9321	6,6799	-14,025
123	123	125	SSOVRdx	5,6909	-13,0488	37,7538	0,3803	-22,145
123	123	124	SSOVRsx	-5,8647	-11,1001	-3,236	-52,7368	-76,677
123	123	146	SSOVRsx	-5,2623	-12,7018	-0,804	-41,4494	-70,659
123	123	147	SSOVRsx	-4,9168	-9,5741	-3,412	-65,8326	-81,068
123	123	125	SSOVRsx	-0,1901	-7,9724	1,4414	-39,149	-78,435
123	123	124	SW2	-121,737	60,7738	-10,2088	-154,8538	28,587
123	123	146	SW2	-277,7209	22,5233	15,5148	-279,4509	4,392
123	123	147	SW2	-81,6789	40,5376	-69,6275	-218,0364	73,443
123	123	125	SW2	-150,3228	78,7882	-12,3115	-195,3016	29,721
124	124	125	DEAD	-11,9609	7,5099	0,0797	-16,6449	31,952
124	124	147	DEAD	-6,4371	11,1869	0,919	-23,4498	56,673
124	124	148	DEAD	-22,7626	12,5866	6,7781	-28,1254	23,078
124	124	126	DEAD	-12,4767	8,9096	2,0874	-17,9271	31,456
124	124	125	STERR	4,6847	-38,1077	36,4855	-40,9806	-50,155
124	124	147	STERR	4,4654	-37,0132	34,3358	-41,3986	-51,096
124	124	148	STERR	-0,1944	-36,4818	34,2406	-38,8445	-46,653
124	124	126	STERR	5,8098	-37,5762	39,0945	-36,6113	-48,466
124	124	125	SSOVRdx	6,8568	-13,1496	43,0502	2,0793	-19,967
124	124	147	SSOVRdx	1,1291	-11,6426	19,9629	-6,068	-31,723
124	124	148	SSOVRdx	1,677	-8,94	45,447	-0,149	-11,544
124	124	126	SSOVRdx	2,4945	-10,4471	34,0057	-0,9691	-18,342
124	124	125	SSOVRsx	-1,4041	-7,7641	-0,0204	-44,9714	-79,895
124	124	147	SSOVRsx	4,0637	-8,6456	6,9027	-22,2645	-71,821
124	124	148	SSOVRsx	0,4285	-11,0817	2,9233	-48,7963	-77,313
124	124	126	SSOVRsx	4,0011	-10,2003	6,6555	-35,1957	-75,413
124	124	125	SW2	-150,4475	94,4617	1,003	-209,3646	31,952
124	124	147	SW2	-80,9683	140,7124	11,559	-294,959	56,673
124	124	148	SW2	-286,315	158,3181	85,2571	-353,7706	23,078
124	124	126	SW2	-156,9358	112,0674	26,2557	-225,493	31,456
125	125	126	DEAD	-12,3504	7,9149	1,7204	-16,8026	29,358
125	125	148	DEAD	-23,0672	7,1197	1,921	-25,0957	15,903
125	125	149	DEAD	-8,6947	4,8998	4,3941	-10,529	20,524
125	125	127	DEAD	-13,6343	5,6951	4,5694	-15,416	17,372
125	125	126	STERR	5,8307	-37,0391	38,619	-36,0103	-48,484
125	125	148	STERR	-0,1678	-36,8916	34,7266	-39,1709	-46,594
125	125	149	STERR	1,1201	-36,5632	37,4281	-35,7002	-45,201
125	125	127	STERR	4,4272	-36,7108	39,9154	-33,5484	-45,97
125	125	126	SSOVRdx	2,7871	-14,7593	38,163	-3,3707	-22,647
125	125	148	SSOVRdx	0,7001	-14,9963	43,938	-4,5011	-19,128
125	125	149	SSOVRdx	-2,0276	-18,0581	23,1413	-14,9839	-35,659
125	125	127	SSOVRdx	-0,6413	-17,8211	25,0664	-12,9953	-34,731
125	125	126	SSOVRsx	3,7217	-5,8652	4,614	-34,8305	-81,35
125	125	148	SSOVRsx	1,4572	-5,5798	2,1757	-41,8764	-82,663

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
125	125	149	SSOVRsx	5,0515	-3,2328	5,6967	-11,1475	-78,714
125	125	127	SSOVRsx	6,2828	-3,5182	6,8967	-13,8816	-80,103
125	125	126	SW2	-155,3477	99,5563	21,6399	-211,3486	29,358
125	125	148	SW2	-290,146	89,5538	24,1628	-315,6619	15,903
125	125	149	SW2	-109,3646	61,6318	55,2704	-132,4367	20,524
125	125	127	SW2	-171,4969	71,6344	57,4753	-193,9079	17,372
126	126	127	DEAD	-13,6448	5,1174	4,2025	-15,1122	15,999
126	126	149	DEAD	-8,6923	5,9775	5,1523	-11,2731	23,352
126	126	150	DEAD	-22,5537	3,7726	1,447	-23,1467	8,933
126	126	128	DEAD	-13,46	2,9126	-1,3109	-14,1582	13,481
126	126	127	STERR	4,5056	-35,6734	39,1087	-32,2711	-45,872
126	126	149	STERR	1,1764	-35,4622	36,4956	-34,4293	-45,116
126	126	150	STERR	-12,6201	-32,9923	14,9634	-52,0818	-50,102
126	126	128	STERR	6,2051	-33,2035	29,589	-40,9416	-54,845
126	126	127	SSOVRdx	-0,8779	-17,5804	23,9686	-13,3171	-35,282
126	126	149	SSOVRdx	-1,2802	-17,9421	25,8067	-13,1648	-33,52
126	126	150	SSOVRdx	-8,1938	-13,2523	-0,1516	-30,0315	-58,748
126	126	128	SSOVRdx	-0,3327	-12,8906	8,4594	-19,2324	-55,704
126	126	127	SSOVRsx	6,5736	-4,2901	7,5253	-12,7657	-77,492
126	126	149	SSOVRsx	4,362	-4,004	5,1992	-14,7871	-78,19
126	126	150	SSOVRsx	2,1186	-7,6851	8,3098	-7,4209	-51,145
126	126	128	SSOVRsx	8,0804	-7,9712	11,4178	-10,9581	-67,282
126	126	127	SW2	-171,6291	64,3689	52,8603	-190,0859	15,999
126	126	149	SW2	-109,3351	75,1864	64,8076	-141,7969	23,352
126	126	150	SW2	-283,6877	47,4529	18,2008	-291,1466	8,933
126	126	128	SW2	-169,3039	36,6354	-16,4887	-178,0867	13,481
127	127	128	DEAD	-13,5732	1,7562	-2,3014	-13,8468	8,856
127	127	150	DEAD	-22,2598	-1,5055	2,4155	-22,3516	-3,491
127	127	151	DEAD	-7,3623	-0,4476	-7,3303	-13,6214	-85,909
127	127	129	DEAD	-13,6447	2,814	-3,1063	-14,3961	14,951
127	127	128	STERR	6,0518	-27,9995	24,4009	-36,6735	-56,762
127	127	150	STERR	-12,5846	-31,7746	13,8592	-50,7647	-50,232
127	127	151	STERR	3,3457	-25,1239	13,635	-58,0007	-67,729
127	127	129	STERR	5,8248	-21,3488	17,3667	-33,6636	-61,603
127	127	128	SSOVRdx	-0,0505	-5,0969	2,2522	-11,3321	-65,687
127	127	150	SSOVRdx	-9,474	-5,679	-7,9001	-29,9644	-74,509
127	127	151	SSOVRdx	3,523	-6,2007	12,0267	-0,9984	-36,099
127	127	129	SSOVRdx	-3,5075	-5,6186	-0,9889	-16,0419	-65,856
127	127	128	SSOVRsx	7,6868	-12,102	13,9175	-15,8191	-62,758
127	127	150	SSOVRsx	3,383	-14,3064	18,5696	-10,0942	-43,291
127	127	151	SSOVRsx	1,8652	-8,8136	3,3692	-49,783	-80,316
127	127	129	SSOVRsx	11,1357	-6,6092	13,1716	-10,3204	-72,879
127	127	128	SW2	-170,7274	22,0898	-28,9475	-174,1691	8,856
127	127	150	SW2	-279,9906	-18,9361	30,3826	-281,1459	-3,491
127	127	151	SW2	-92,6049	-5,6305	-92,2023	-171,3339	-85,909
127	127	129	SW2	-171,627	35,3954	-39,0721	-181,0784	14,951
128	128	129	DEAD	-13,6202	3,8228	-2,4296	-14,9261	18,861
128	128	151	DEAD	-7,5347	6,6904	-3,4617	-18,5245	58,668
128	128	152	DEAD	-21,2811	7,7885	4,8412	-23,6033	16,602
128	128	130	DEAD	-12,4152	4,921	-1,0012	-14,5368	23,323
128	128	129	STERR	5,6322	-16,1054	12,8503	-30,3031	-65,859
128	128	151	STERR	4,7405	-12,4032	7,9033	-43,9001	-75,695
128	128	152	STERR	-13,1242	-6,5469	-10,9441	-32,7853	-71,583
128	128	130	STERR	5,3496	-10,2492	8,943	-23,8836	-70,679
128	128	129	SSOVRdx	-2,0457	-3,1892	-0,3201	-7,9399	-61,584
128	128	151	SSOVRdx	-7,2971	-0,329	-7,2943	-46,5981	-89,52
128	128	152	SSOVRdx	-10,0975	5,9354	7,8311	-12,0624	18,318
128	128	130	SSOVRdx	-4,8557	3,0752	-2,5467	-8,9515	53,1
128	128	129	SSOVRsx	9,5135	-5,2668	10,5432	-17,4254	-78,938
128	128	151	SSOVRsx	13,8616	-5,4455	18,3337	7,2308	-50,605
128	128	152	SSOVRsx	3,6524	-7,4149	5,0432	-35,8817	-79,377
128	128	130	SSOVRsx	12,0258	-7,2362	13,9222	-15,5864	-75,315
128	128	129	SW2	-171,3195	48,085	-30,5598	-187,7458	18,861
128	128	151	SW2	-94,7738	84,1534	-43,5428	-233,0065	58,668
128	128	152	SW2	-267,6804	97,9664	60,8942	-296,8897	16,602
128	128	130	SW2	-156,1624	61,898	-12,5928	-182,8488	23,323
129	129	130	DEAD	-12,2793	3,5679	-1,2853	-13,4372	17,98
129	129	152	DEAD	-21,579	2,1594	1,234	-21,7834	5,407
129	129	153	DEAD	-5,7125	-0,4553	0,7031	-5,7448	-4,06
129	129	131	DEAD	-8,9793	0,9532	0,8784	-9,0715	5,523

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
129	129	130	STERR	5,4096	-3,7132	5,9413	-20,522	-81,851
129	129	152	STERR	-12,8438	-3,7271	-12,0347	-30,0124	-77,752
129	129	153	STERR	-0,7993	-0,6994	-0,615	-3,4545	-75,243
129	129	131	STERR	2,142	-0,6855	2,2325	-3,0502	-82,479
129	129	130	SSOVRdx	-4,5002	0,9605	-3,7049	-5,6602	50,376
129	129	152	SSOVRdx	-11,2774	0,2762	-0,0269	-11,2842	1,406
129	129	153	SSOVRdx	-2,0679	-1,9517	0,4344	-3,5901	-37,953
129	129	131	SSOVRdx	-3,7396	-1,2674	1,2009	-4,0647	-14,388
129	129	130	SSOVRsx	11,6815	-0,3262	11,6854	-15,4156	-89,31
129	129	152	SSOVRsx	5,1293	0,5438	5,1384	-27,116	89,034
129	129	153	SSOVRsx	3,9599	4,7262	6,3346	-5,4461	63,322
129	129	131	SSOVRsx	8,1951	3,8562	9,2187	-6,3326	75,134
129	129	130	SW2	-154,4527	44,8787	-16,1664	-169,0174	17,98
129	129	152	SW2	-271,4273	27,162	15,5218	-273,9984	5,407
129	129	153	SW2	-71,8537	-5,7275	8,8444	-72,2602	-4,06
129	129	131	SW2	-112,9444	11,9892	11,0485	-114,1036	5,523
130	130	131	DEAD	-9,0391	0,3591	0,5007	-9,0526	2,156
130	130	153	DEAD	-5,5223	-0,3197	1,6363	-5,5365	-2,557
130	130	154	DEAD	-4,0033	0,147	-0,3223	-4,0092	2,287
130	130	132	DEAD	-1,8143	0,8258	1,5579	-2,0165	13,76
130	130	131	STERR	2,1694	-0,0241	2,1695	-2,8227	-89,723
130	130	153	STERR	-1,0153	-0,0825	-1,0132	-4,3523	-88,584
130	130	154	STERR	1,3742	-0,6804	1,6802	-0,1387	-65,784
130	130	132	STERR	1,6774	-0,622	1,7881	-1,8172	-79,907
130	130	131	SSOVRdx	-3,764	-0,6131	0,8357	-3,8457	-7,593
130	130	153	SSOVRdx	-1,7377	-0,8624	0,8503	-2,0251	-18,429
130	130	154	SSOVRdx	-1,7824	-0,0362	-0,134	-1,7832	-1,259
130	130	132	SSOVRdx	-0,5274	0,213	0,9918	-0,5572	7,982
130	130	131	SSOVRsx	8,1614	2,9472	8,771	-6,0869	78,314
130	130	153	SSOVRsx	3,3458	3,3228	4,3938	-7,1896	72,495
130	130	154	SSOVRsx	5,0007	-0,0432	5,0011	0,527	-89,446
130	130	132	SSOVRsx	2,8833	-0,4188	2,9042	-5,4934	-87,138
130	130	131	SW2	-113,6966	4,517	6,2981	-113,8666	2,156
130	130	153	SW2	-69,4607	-4,0211	20,582	-69,6403	-2,557
130	130	154	SW2	-50,3552	1,8492	-4,0545	-50,429	2,287
130	130	132	SW2	-22,8203	10,3873	19,5959	-25,364	13,76
131	131	133	DEAD	-0,3942	-3,5276	2,432	-4,7973	-51,299
131	131	155	DEAD	2,1435	-5,0657	13,0666	-0,2058	-24,88
131	131	156	DEAD	9,7828	-10,9423	17,4525	-5,8286	-54,973
131	131	134	DEAD	4,7887	-9,4043	11,6074	-8,1816	-54,055
131	131	133	STERR	6,6084	12,028	37,6959	1,9547	21,152
131	131	155	STERR	-0,8524	13,0802	10,6336	-15,748	48,713
131	131	156	STERR	-2,7552	29,8881	35,9993	-25,8054	37,64
131	131	134	STERR	-0,8237	28,836	39,3612	-21,5159	35,663
131	131	133	SSOVRdx	25,9009	2,0287	129,5442	25,8612	1,121
131	131	155	SSOVRdx	24,2325	3,5146	121,2896	24,1052	2,074
131	131	156	SSOVRdx	4,4996	7,0586	69,543	3,7336	6,194
131	131	134	SSOVRdx	9,3542	5,5727	70,9197	8,8498	5,172
131	131	133	SSOVRsx	-20,3843	4,4253	-20,1448	-102,161	86,902
131	131	155	SSOVRsx	-22,7337	3,6228	-22,5896	-113,8126	87,722
131	131	156	SSOVRsx	-6,3021	9,3404	-4,7595	-62,8574	80,622
131	131	134	SSOVRsx	-10,2864	10,1429	-8,2738	-61,4046	78,777
131	131	133	SW2	-4,9585	-44,3717	30,5911	-60,3418	-51,299
131	131	155	SW2	26,9611	-63,7179	164,3553	-2,5887	-24,88
131	131	156	SW2	123,0517	-137,6362	219,5235	-73,3136	-54,973
131	131	134	SW2	60,234	-118,29	146,0018	-102,9102	-54,055
132	132	134	DEAD	4,85	-11,7401	14,0025	-10,2091	-52,06
132	132	156	DEAD	9,547	-12,2168	18,104	-7,895	-54,992
132	132	157	DEAD	-12,3457	-12,755	4,0879	-22,2456	-37,817
132	132	135	DEAD	28,7487	-12,2783	33,4169	-3,5457	-69,183
132	132	134	STERR	-0,8525	34,7148	44,8776	-27,2054	37,203
132	132	156	STERR	-2,3512	34,1309	41,5215	-28,9035	37,881
132	132	157	STERR	-3,7616	35,576	39,4766	-33,0333	39,447
132	132	135	STERR	2,1431	36,1599	44,5232	-28,7096	40,472
132	132	134	SSOVRdx	9,5797	6,6873	72,2564	8,8662	6,09
132	132	156	SSOVRdx	4,5316	7,6318	69,8292	3,6396	6,666
132	132	157	SSOVRdx	-9,3407	6,3957	45,462	-10,0871	6,657
132	132	135	SSOVRdx	6,9512	5,4512	42,4752	6,1147	8,724
132	132	134	SSOVRsx	-10,5292	12,5428	-7,5632	-63,5718	76,696
132	132	156	SSOVRsx	-6,0934	11,3002	-3,8309	-62,5335	78,678

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
132	132	157	SSOVRsx	7,481	13,6414	11,1609	-43,0876	74,903
132	132	135	SSOVRsx	-7,1237	14,884	-0,4932	-40,5351	65,988
132	132	134	SW2	61,0046	-147,6702	176,1284	-128,4131	-52,06
132	132	156	SW2	120,0853	-153,6671	227,7176	-99,3061	-54,992
132	132	157	SW2	-155,2878	-160,4369	51,4191	-279,8119	-37,817
132	132	135	SW2	361,6105	-154,4399	420,3282	-44,5993	-69,183
133	133	135	DEAD	28,5645	1,0151	28,6007	0,1648	87,953
133	133	157	DEAD	-12,3971	-26,1975	17,1549	-35,621	-41,557
133	133	158	DEAD	132,0776	-23,5209	136,9355	18,1944	-78,33
133	133	136	DEAD	-5,7468	3,6917	14,598	-6,4167	10,285
133	133	135	STERR	2,0294	40,1796	48,125	-32,9934	41,077
133	133	157	STERR	-3,7301	33,5125	37,5616	-30,929	39,063
133	133	158	STERR	31,2157	34,5233	58,9732	-11,7224	51,2
133	133	136	STERR	-6,8994	41,1904	45,4639	-39,3009	38,19
133	133	135	SSOVRdx	6,0533	6,5182	38,4603	4,7422	11,373
133	133	157	SSOVRdx	-8,2481	3,5291	50,3909	-8,4605	3,444
133	133	158	SSOVRdx	-6,3832	16,2745	1,428	-40,2905	64,36
133	133	136	SSOVRdx	4,2246	19,2637	69,8446	-1,4305	16,36
133	133	135	SSOVRsx	-6,2825	16,384	2,1468	-38,128	62,775
133	133	157	SSOVRsx	6,3832	15,6145	10,7636	-49,2771	74,329
133	133	158	SSOVRsx	26,3152	3,4117	45,0116	25,6927	10,342
133	133	136	SSOVRsx	-10,7579	4,1813	-10,3752	-56,4478	84,771
133	133	135	SW2	359,2928	12,7679	359,7491	2,0732	87,953
133	133	157	SW2	-155,9344	-329,5209	215,7792	-448,0519	-41,557
133	133	158	SW2	1661,3141	-295,8536	1722,4183	228,8545	-78,33
133	133	136	SW2	-72,2857	46,4352	183,618	-80,7116	10,285
134	134	136	DEAD	-5,8033	-18,2822	24,6288	-16,7865	-30,996
134	134	158	DEAD	132,2779	7,8704	132,8473	23,4845	85,862
134	134	159	DEAD	-7,9458	10,3404	3,6381	-17,1762	41,754
134	134	137	DEAD	28,054	-15,8122	35,1046	-7,4076	-65,968
134	134	136	STERR	-7,3205	35,2248	38,2093	-34,5727	37,728
134	134	158	STERR	32,6951	40,6745	69,001	-12,8736	48,248
134	134	159	STERR	-1,8595	40,1049	40,7708	-39,5887	43,252
134	134	137	STERR	1,5554	34,6552	37,809	-31,5719	43,709
134	134	136	SSOVRdx	-4,7558	17,1886	28,2409	-13,7097	27,516
134	134	158	SSOVRdx	25,2313	16,7891	128,3278	22,4973	9,249
134	134	159	SSOVRdx	9,1579	3,0968	32,8159	8,7525	7,457
134	134	137	SSOVRdx	-0,4244	3,4963	46,5625	-0,6846	4,256
134	134	136	SSOVRsx	-2,1383	2,1668	-1,7209	-13,3851	79,095
134	134	158	SSOVRsx	-4,0283	5,9062	-3,6917	-107,6654	86,738
134	134	159	SSOVRsx	-10,2205	18,9374	0,7934	-42,7814	59,818
134	134	137	SSOVRsx	-0,8934	15,198	3,9755	-48,3332	72,236
134	134	136	SW2	-72,9963	-229,9598	309,7883	-211,1458	-30,996
134	134	158	SW2	1663,8337	98,9969	1670,9954	295,395	85,862
134	134	159	SW2	-99,9449	130,0653	45,7613	-216,0483	41,754
134	134	137	SW2	352,872	-198,8913	441,5571	-93,1752	-65,968
135	135	137	DEAD	28,3586	-3,031	28,6923	0,8321	-83,716
135	135	159	DEAD	-7,8425	-3,0791	-3,0835	-9,8347	-32,903
135	135	160	DEAD	15,3383	-4,5262	16,6666	-0,0849	-73,645
135	135	138	DEAD	6,0521	-4,4781	7,8804	-4,9166	-67,792
135	135	137	STERR	1,5288	37,3486	40,4179	-34,3404	43,842
135	135	159	STERR	-1,6145	36,8843	38,3273	-35,6754	42,721
135	135	160	STERR	5,1666	35,8292	39,8491	-31,8473	45,932
135	135	138	STERR	-2,154	36,2935	34,8154	-37,7841	44,471
135	135	137	SSOVRdx	-1,4531	3,795	41,4941	-1,7885	5,05
135	135	159	SSOVRdx	10,5338	4,2581	39,9071	9,9165	8,248
135	135	160	SSOVRdx	-1,4007	4,9736	15,2659	-2,8849	16,616
135	135	138	SSOVRdx	-5,2038	4,5105	11,6771	-6,409	14,96
135	135	137	SSOVRsx	0,0835	17,0636	6,5371	-45,0336	69,283
135	135	159	SSOVRsx	-11,3832	16,5523	-3,3737	-45,5903	64,178
135	135	160	SSOVRsx	2,6695	16,2405	12,9801	-22,9114	57,59
135	135	138	SSOVRsx	1,5966	16,7518	13,4344	-22,1091	54,753
135	135	137	SW2	356,7029	-38,1251	360,901	10,4665	-83,716
135	135	159	SW2	-98,6453	-38,7296	-38,7857	-123,7036	-32,903
135	135	160	SW2	192,9301	-56,932	209,6377	-1,0681	-73,645
135	135	138	SW2	76,1252	-56,3275	99,1217	-61,8427	-67,792
136	136	138	DEAD	6,0498	-6,3848	9,3295	-6,3798	-62,811
136	136	160	DEAD	15,321	-6,2685	17,6967	-1,219	-69,244
136	136	161	DEAD	-8,063	-7,6399	0,6277	-14,7792	-41,318
136	136	139	DEAD	27,5157	-7,7562	29,5604	-1,9063	-75,232

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
136	136	138	STERR	-2,2104	34,3942	32,7452	-36,0522	44,536
136	136	160	STERR	5,4638	32,8449	37,7424	-27,9573	45,498
136	136	161	STERR	12,6419	29,3634	51,2864	-9,6694	37,229
136	136	139	STERR	15,6555	30,9127	51,6521	-10,8912	40,655
136	136	138	SSOVRdx	-4,5143	5,2778	15,3235	-5,9185	14,898
136	136	160	SSOVRdx	-2,1222	5,3177	12,155	-4,1029	20,428
136	136	161	SSOVRdx	-9,2699	5,146	6,1523	-10,9869	18,453
136	136	139	SSOVRdx	-1,4077	5,106	5,2739	-5,3097	37,387
136	136	138	SSOVRsx	0,8492	15,9868	11,049	-24,2081	57,462
136	136	160	SSOVRsx	3,6335	14,7598	13,7511	-17,8985	55,57
136	136	161	SSOVRsx	20,0507	13,5448	34,3956	7,2614	43,357
136	136	139	SSOVRsx	9,3338	14,7718	31,8909	-0,3397	33,219
136	136	138	SW2	76,0957	-80,3102	117,3494	-80,2473	-62,811
136	136	160	SW2	192,7121	-78,8471	222,5944	-15,3327	-69,244
136	136	161	SW2	-101,4189	-96,0971	7,895	-185,8971	-41,318
136	136	139	SW2	346,1014	-97,5601	371,8202	-23,9778	-75,232
137	137	139	DEAD	27,2218	4,3054	27,8569	-1,9663	81,609
137	137	161	DEAD	-8,1507	-20,2251	12,9026	-27,5801	-43,851
137	137	162	DEAD	122,0168	-17,7251	124,9871	16,2427	-80,487
137	137	140	DEAD	-3,6746	6,8054	14,002	-6,2947	21,056
137	137	139	STERR	15,6201	35,8523	56,4271	-15,8791	41,302
137	137	161	STERR	12,1866	19,1835	39,9526	-1,0673	34,641
137	137	162	STERR	117,7242	15,9913	124,8841	82,0088	65,88
137	137	140	STERR	-10,9406	32,66	61,0162	-25,7645	24,413
137	137	139	SSOVRdx	-2,6721	6,471	2,7594	-10,3816	49,991
137	137	161	SSOVRdx	-7,7291	2,44	12,4342	-8,0244	6,9
137	137	162	SSOVRdx	2,6463	18,0466	7,1458	-69,7337	76
137	137	140	SSOVRdx	-2,8671	22,0776	56,3146	-11,1031	20,458
137	137	139	SSOVRsx	10,614	16,7305	38,6149	0,6175	30,858
137	137	161	SSOVRsx	18,1323	10,5152	26,0244	4,1222	53,11
137	137	162	SSOVRsx	77,406	-7,81	140,8424	76,4445	-7,019
137	137	140	SSOVRsx	-7,2563	-1,5947	-6,0836	-9,4247	-53,669
137	137	139	SW2	342,4043	54,1548	350,3925	-24,7327	81,609
137	137	161	SW2	-102,5216	-254,3972	162,2931	-346,9111	-43,851
137	137	162	SW2	1534,766	-222,9518	1572,1271	204,3058	-80,487
137	137	140	SW2	-46,2209	85,6002	176,1215	-79,1764	21,056
138	138	140	DEAD	-3,5022	-12,8786	19,4655	-10,7236	-29,28
138	138	162	DEAD	121,4139	12,0852	122,7841	14,8281	83,531
138	138	163	DEAD	-8,5437	15,1165	7,8101	-22,5165	42,748
138	138	141	DEAD	26,0223	-9,8472	29,176	-4,7245	-72,241
138	138	140	STERR	-12,3354	7,4858	40,2833	-13,4004	8,097
138	138	162	STERR	122,6295	23,6704	142,2506	94,0743	50,344
138	138	163	STERR	15,152	16,3304	39,6921	4,2848	33,642
138	138	141	STERR	16,1439	0,1458	31,2106	16,1425	0,554
138	138	140	SSOVRdx	-14,8635	15,9791	2,6641	-29,431	42,354
138	138	162	SSOVRdx	44,8996	15,8728	148,4655	42,4669	8,714
138	138	163	SSOVRdx	17,4328	-4,0897	20,8361	12,5183	-50,234
138	138	141	SSOVRdx	-3,7468	-3,9833	34,8828	-4,1576	-5,887
138	138	140	SSOVRsx	3,5638	-13,4186	49,7474	-0,3349	-16,201
138	138	162	SSOVRsx	39,291	-3,4558	39,4235	-50,8266	-87,804
138	138	163	SSOVRsx	-4,47	10,2927	15,3941	-9,8032	27,391
138	138	141	SSOVRsx	12,0151	0,3299	12,0214	-5,4888	88,92
138	138	140	SW2	-44,052	-161,9906	244,8426	-134,8843	-29,28
138	138	162	SW2	1527,1821	152,0109	1544,4178	186,512	83,531
138	138	163	SW2	-107,4654	190,1401	98,2381	-283,2197	42,748
138	138	141	SW2	327,3166	-123,8615	366,9854	-59,4266	-72,241
139	139	141	DEAD	26,3202	2,2294	26,5071	-0,2683	85,207
139	139	163	DEAD	-8,5463	2,9208	-4,2087	-10,5131	33,956
139	139	164	DEAD	8,549	2,3798	9,1954	-0,2126	74,804
139	139	142	DEAD	4,2868	1,6884	4,7835	-1,4526	73,608
139	139	141	STERR	15,8635	5,0755	31,459	14,2117	18,027
139	139	163	STERR	15,974	6,9032	35,3893	13,5195	19,573
139	139	164	STERR	5,517	4,0785	11,3538	2,6672	34,944
139	139	142	STERR	0,0109	2,2507	4,295	-1,1716	27,716
139	139	141	SSOVRdx	-5,2237	-3,8508	27,5405	-5,6763	-6,703
139	139	163	SSOVRdx	19,4664	-2,5901	26,9822	18,5738	-19,015
139	139	164	SSOVRdx	-1,6793	-1,5701	7,0748	-1,9609	-10,168
139	139	142	SSOVRdx	-3,8294	-2,8308	4,1072	-4,8391	-19,63
139	139	141	SSOVRsx	13,1951	3,4031	14,0449	-0,4326	75,979
139	139	163	SSOVRsx	-5,8184	3,6214	4,5801	-7,0797	19,201

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
139	139	164	SSOVRsx	3,4363	1,5333	4,0371	-0,4765	68,602
139	139	142	SSOVRsx	1,4913	1,3149	2,5722	-0,1084	50,58
139	139	141	SW2	331,0634	28,0416	333,4146	-3,3746	85,207
139	139	163	SW2	-107,4979	36,7394	-52,9388	-132,2377	33,956
139	139	164	SW2	107,5319	29,9344	115,6628	-2,6736	74,804
139	139	142	SW2	53,9206	21,2367	60,1678	-18,2716	73,608
140	140	142	DEAD	4,0966	0,7921	4,1993	-2,0099	82,609
140	140	164	DEAD	8,612	1,6878	8,959	0,4018	78,383
140	140	165	DEAD	0,3254	0,9633	1,0384	-0,9761	53,495
140	140	143	DEAD	4,7766	0,0676	4,7777	0,4818	89,099
140	140	142	STERR	0,2269	0,9007	4,3876	0,0319	12,215
140	140	164	STERR	5,0761	1,5155	7,3223	4,0536	34,008
140	140	165	STERR	-1,2493	0,8933	0,7488	-1,6487	24,088
140	140	143	STERR	-0,9015	0,2785	0,0121	-0,9864	16,952
140	140	142	SSOVRdx	-3,2154	-2,0533	6,5973	-3,645	-11,818
140	140	164	SSOVRdx	-2,3307	-1,9621	4,1319	-2,9264	-16,889
140	140	165	SSOVRdx	-3,2884	-1,1272	0,7519	-3,6029	-15,588
140	140	143	SSOVRdx	-5,0193	-1,2183	-0,2218	-5,3287	-14,249
140	140	142	SSOVRsx	1,1611	0,7742	1,4436	-0,9607	69,955
140	140	164	SSOVRsx	3,6852	1,0271	4,0751	0,9792	69,215
140	140	165	SSOVRsx	0,409	0,4412	0,6522	-0,3915	61,14
140	140	143	SSOVRsx	2,0825	0,1882	2,1011	0,1763	84,36
140	140	142	SW2	51,5277	9,9639	52,8203	-25,2816	82,609
140	140	164	SW2	108,3242	21,2302	112,6887	5,0542	78,383
140	140	165	SW2	4,0935	12,1161	13,0607	-12,2774	53,495
140	140	143	SW2	60,0818	0,8498	60,0952	6,0603	89,099
141	141	144	DEAD	0,3942	3,5276	4,7973	-2,432	38,701
141	141	180	DEAD	-2,1435	5,0657	0,2058	-13,0666	65,12
141	141	181	DEAD	-9,7828	10,9423	5,8286	-17,4525	35,027
141	141	145	DEAD	-4,7887	9,4043	8,1816	-11,6074	35,945
141	141	144	STERR	-6,6084	-12,028	-1,9547	-37,6959	-68,848
141	141	180	STERR	0,8524	-13,0802	15,748	-10,6336	-41,287
141	141	181	STERR	2,7552	-29,8881	25,8054	-35,9993	-52,36
141	141	145	STERR	0,8237	-28,836	21,5159	-39,3612	-54,337
141	141	144	SSOVRdx	20,3843	-4,4253	102,161	20,1448	-3,098
141	141	180	SSOVRdx	22,7337	-3,6228	113,8126	22,5896	-2,278
141	141	181	SSOVRdx	6,3021	-9,3404	62,8574	4,7595	-9,378
141	141	145	SSOVRdx	10,2864	-10,1429	61,4046	8,2738	-11,223
141	141	144	SSOVRsx	-25,9009	-2,0287	-25,8612	-129,5442	-88,879
141	141	180	SSOVRsx	-24,2325	-3,5146	-24,1052	-121,2896	-87,926
141	141	181	SSOVRsx	-4,4996	-7,0586	-3,7336	-69,543	-83,806
141	141	145	SSOVRsx	-9,3542	-5,5727	-8,8498	-70,9197	-84,828
141	141	144	SW2	4,9585	44,3717	60,3418	-30,5911	38,701
141	141	180	SW2	-26,9611	63,7179	2,5887	-164,3553	65,12
141	141	181	SW2	-123,0517	137,6362	73,3136	-219,5235	35,027
141	141	145	SW2	-60,234	118,29	102,9102	-146,0018	35,945
142	142	145	DEAD	-4,85	11,7401	10,2091	-14,0025	37,94
142	142	181	DEAD	-9,547	12,2168	7,895	-18,104	35,008
142	142	182	DEAD	12,3457	12,755	22,2456	-4,0879	52,183
142	142	146	DEAD	-28,7487	12,2783	3,5457	-33,4169	20,817
142	142	145	STERR	0,8525	-34,7148	27,2054	-44,8776	-52,797
142	142	181	STERR	2,3512	-34,1309	28,9035	-41,5215	-52,119
142	142	182	STERR	3,7616	-35,576	33,0333	-39,4766	-50,553
142	142	146	STERR	-2,1431	-36,1599	28,7096	-44,5232	-49,528
142	142	145	SSOVRdx	10,5292	-12,5428	63,5718	7,5632	-13,304
142	142	181	SSOVRdx	6,0934	-11,3002	62,5335	3,8309	-11,322
142	142	182	SSOVRdx	-7,481	-13,6414	43,0876	-11,1609	-15,097
142	142	146	SSOVRdx	7,1237	-14,884	40,5351	0,4932	-24,012
142	142	145	SSOVRsx	-9,5797	-6,6873	-8,8662	-72,2564	-83,91
142	142	181	SSOVRsx	-4,5316	-7,6318	-3,6396	-69,8292	-83,334
142	142	182	SSOVRsx	9,3407	-6,3957	10,0871	-45,462	-83,343
142	142	146	SSOVRsx	-6,9512	-5,4512	-6,1147	-42,4752	-81,276
142	142	145	SW2	-61,0046	147,6702	128,4131	-176,1284	37,94
142	142	181	SW2	-120,0853	153,6671	99,3061	-227,7176	35,008
142	142	182	SW2	155,2878	160,4369	279,8119	-51,4191	52,183
142	142	146	SW2	-361,6105	154,4399	44,5993	-420,3282	20,817
143	143	146	DEAD	-28,5645	-1,0151	-0,1648	-28,6007	-2,047
143	143	182	DEAD	12,3971	26,1975	35,621	-17,1549	48,443
143	143	183	DEAD	-132,0776	23,5209	-18,1944	-136,9355	11,67
143	143	147	DEAD	5,7468	-3,6917	6,4167	-14,598	-79,715

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
143	143	146	STERR	-2,0294	-40,1796	32,9934	-48,125	-48,923
143	143	182	STERR	3,7301	-33,5125	30,929	-37,5616	-50,937
143	143	183	STERR	-31,2157	-34,5233	11,7224	-58,9732	-38,8
143	143	147	STERR	6,8994	-41,1904	39,3009	-45,4639	-51,81
143	143	146	SSOVRdx	6,2825	-16,384	38,128	-2,1468	-27,225
143	143	182	SSOVRdx	-6,3832	-15,6145	49,2771	-10,7636	-15,671
143	143	183	SSOVRdx	-26,3152	-3,4117	-25,6927	-45,0116	-79,658
143	143	147	SSOVRdx	10,7579	-4,1813	56,4478	10,3752	-5,229
143	143	146	SSOVRsx	-6,0533	-6,5182	-4,7422	-38,4603	-78,627
143	143	182	SSOVRsx	8,2481	-3,5291	8,4605	-50,3909	-86,556
143	143	183	SSOVRsx	6,3832	-16,2745	40,2905	-1,428	-25,64
143	143	147	SSOVRsx	-4,2246	-19,2637	1,4305	-69,8446	-73,64
143	143	146	SW2	-359,2928	-12,7679	-2,0732	-359,7491	-2,047
143	143	182	SW2	155,9344	329,5209	448,0519	-215,7792	48,443
143	143	183	SW2	-1661,3141	295,8536	-228,8545	-1722,4183	11,67
143	143	147	SW2	72,2857	-46,4352	80,7116	-183,618	-79,715
144	144	147	DEAD	5,8033	18,2822	16,7865	-24,6288	59,004
144	144	183	DEAD	-132,2779	-7,8704	-23,4845	-132,8473	-4,138
144	144	184	DEAD	7,9458	-10,3404	17,1762	-3,6381	-48,246
144	144	148	DEAD	-28,054	15,8122	7,4076	-35,1046	24,032
144	144	147	STERR	7,3205	-35,2248	34,5727	-38,2093	-52,272
144	144	183	STERR	-32,6951	-40,6745	12,8736	-69,001	-41,752
144	144	184	STERR	1,8595	-40,1049	39,5887	-40,7708	-46,748
144	144	148	STERR	-1,5554	-34,6552	31,5719	-37,809	-46,291
144	144	147	SSOVRdx	2,1383	-2,1668	13,3851	1,7209	-10,905
144	144	183	SSOVRdx	4,0283	-5,9062	107,6654	3,6917	-3,262
144	144	184	SSOVRdx	10,2205	-18,9374	42,7814	-0,7934	-30,182
144	144	148	SSOVRdx	0,8934	-15,198	48,3332	-3,9755	-17,764
144	144	147	SSOVRsx	4,7558	-17,1886	13,7097	-28,2409	-62,484
144	144	183	SSOVRsx	-25,2313	-16,7891	-22,4973	-128,3278	-80,751
144	144	184	SSOVRsx	-9,1579	-3,0968	-8,7525	-32,8159	-82,543
144	144	148	SSOVRsx	0,4244	-3,4963	0,6846	-46,5625	-85,744
144	144	147	SW2	72,9963	229,9598	211,1458	-309,7883	59,004
144	144	183	SW2	-1663,8337	-98,9969	-295,395	-1670,9954	-4,138
144	144	184	SW2	99,9449	-130,0653	216,0483	-45,7613	-48,246
144	144	148	SW2	-352,872	198,8913	93,1752	-441,5571	24,032
145	145	148	DEAD	-28,3586	3,031	-0,8321	-28,6923	6,284
145	145	184	DEAD	7,8425	3,0791	9,8347	3,0835	57,097
145	145	185	DEAD	-15,3383	4,5262	0,0849	-16,6666	16,355
145	145	149	DEAD	-6,0521	4,4781	4,9166	-7,8804	22,208
145	145	148	STERR	-1,5288	-37,3486	34,3404	-40,4179	-46,158
145	145	184	STERR	1,6145	-36,8843	35,6754	-38,3273	-47,279
145	145	185	STERR	-5,1666	-35,8292	31,8473	-39,8491	-44,068
145	145	149	STERR	2,154	-36,2935	37,7841	-34,8154	-45,529
145	145	148	SSOVRdx	-0,0835	-17,0636	45,0336	-6,5371	-20,717
145	145	184	SSOVRdx	11,3832	-16,5523	45,5903	3,3737	-25,822
145	145	185	SSOVRdx	-2,6695	-16,2405	22,9114	-12,9801	-32,41
145	145	149	SSOVRdx	-1,5966	-16,7518	22,1091	-13,4344	-35,247
145	145	148	SSOVRsx	1,4531	-3,795	1,7885	-41,4941	-84,95
145	145	184	SSOVRsx	-10,5338	-4,2581	-9,9165	-39,9071	-81,752
145	145	185	SSOVRsx	1,4007	-4,9736	2,8849	-15,2659	-73,384
145	145	149	SSOVRsx	5,2038	-4,5105	6,409	-11,6771	-75,04
145	145	148	SW2	-356,7029	38,1251	-10,4665	-360,901	6,284
145	145	184	SW2	98,6453	38,7296	123,7036	38,7857	57,097
145	145	185	SW2	-192,9301	56,932	1,0681	-209,6377	16,355
145	145	149	SW2	-76,1252	56,3275	61,8427	-99,1217	22,208
146	146	149	DEAD	-6,0498	6,3848	6,3798	-9,3295	27,189
146	146	185	DEAD	-15,321	6,2685	1,219	-17,6967	20,756
146	146	186	DEAD	8,063	7,6399	14,7792	-0,6277	48,682
146	146	150	DEAD	-27,5157	7,7562	1,9063	-29,5604	14,768
146	146	149	STERR	2,2104	-34,3942	36,0522	-32,7452	-45,464
146	146	185	STERR	-5,4638	-32,8449	27,9573	-37,7424	-44,502
146	146	186	STERR	-12,6419	-29,3634	9,6694	-51,2864	-52,771
146	146	150	STERR	-15,6555	-30,9127	10,8912	-51,6521	-49,345
146	146	149	SSOVRdx	-0,8492	-15,9868	24,2081	-11,049	-32,538
146	146	185	SSOVRdx	-3,6335	-14,7598	17,8985	-13,7511	-34,43
146	146	186	SSOVRdx	-20,0507	-13,5448	-7,2614	-34,3956	-46,643
146	146	150	SSOVRdx	-9,3338	-14,7718	0,3397	-31,8909	-56,781
146	146	149	SSOVRsx	4,5143	-5,2778	5,9185	-15,3235	-75,102
146	146	185	SSOVRsx	2,1222	-5,3177	4,1029	-12,155	-69,572

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
146	146	186	SSOVRsx	9,2699	-5,146	10,9869	-6,1523	-71,547
146	146	150	SSOVRsx	1,4077	-5,106	5,3097	-5,2739	-52,613
146	146	149	SW2	-76,0957	80,3102	80,2473	-117,3494	27,189
146	146	185	SW2	-192,7121	78,8471	15,3327	-222,5944	20,756
146	146	186	SW2	101,4189	96,0971	185,8971	-7,895	48,682
146	146	150	SW2	-346,1014	97,5601	23,9778	-371,8202	14,768
147	147	150	DEAD	-27,2218	-4,3054	1,9663	-27,8569	-8,391
147	147	186	DEAD	8,1507	20,2251	27,5801	-12,9026	46,149
147	147	187	DEAD	-122,0168	17,7251	-16,2427	-124,9871	9,513
147	147	151	DEAD	3,6746	-6,8054	6,2947	-14,002	-68,944
147	147	150	STERR	-15,6201	-35,8523	15,8791	-56,4271	-48,698
147	147	186	STERR	-12,1866	-19,1835	1,0673	-39,9526	-55,359
147	147	187	STERR	-117,7242	-15,9913	-82,0088	-124,8841	-24,12
147	147	151	STERR	10,9406	-32,66	25,7645	-61,0162	-65,587
147	147	150	SSOVRdx	-10,614	-16,7305	-0,6175	-38,6149	-59,142
147	147	186	SSOVRdx	-18,1323	-10,5152	-4,1222	-26,0244	-36,89
147	147	187	SSOVRdx	-77,406	7,81	-76,4445	-140,8424	82,981
147	147	151	SSOVRdx	7,2563	1,5947	9,4247	6,0836	36,331
147	147	150	SSOVRsx	2,6721	-6,471	10,3816	-2,7594	-40,009
147	147	186	SSOVRsx	7,7291	-2,44	8,0244	-12,4342	-83,1
147	147	187	SSOVRsx	-2,6463	-18,0466	69,7337	-7,1458	-14
147	147	151	SSOVRsx	2,8671	-22,0776	11,1031	-56,3146	-69,542
147	147	150	SW2	-342,4043	-54,1548	24,7327	-350,3925	-8,391
147	147	186	SW2	102,5216	254,3972	346,9111	-162,2931	46,149
147	147	187	SW2	-1534,766	222,9518	-204,3058	-1572,1271	9,513
147	147	151	SW2	46,2209	-85,6002	79,1764	-176,1215	-68,944
148	148	151	DEAD	3,5022	12,8786	10,7236	-19,4655	60,72
148	148	187	DEAD	-121,4139	-12,0852	-14,8281	-122,7841	-6,469
148	148	188	DEAD	8,5437	-15,1165	22,5165	-7,8101	-47,252
148	148	152	DEAD	-26,0223	9,8472	4,7245	-29,176	17,759
148	148	151	STERR	12,3354	-7,4858	13,4004	-40,2833	-81,903
148	148	187	STERR	-122,6295	-23,6704	-94,0743	-142,2506	-39,656
148	148	188	STERR	-15,152	-16,3304	-4,2848	-39,6921	-56,358
148	148	152	STERR	-16,1439	-0,1458	-16,1425	-31,2106	-89,446
148	148	151	SSOVRdx	-3,5638	13,4186	0,3349	-49,7474	73,799
148	148	187	SSOVRdx	-39,291	3,4558	50,8266	-39,4235	2,196
148	148	188	SSOVRdx	4,47	-10,2927	9,8032	-15,3941	-62,609
148	148	152	SSOVRdx	-12,0151	-0,3299	5,4888	-12,0214	-1,08
148	148	151	SSOVRsx	14,8635	-15,9791	29,431	-2,6641	-47,646
148	148	187	SSOVRsx	-44,8996	-15,8728	-42,4669	-148,4655	-81,286
148	148	188	SSOVRsx	-17,4328	4,0897	-12,5183	-20,8361	39,766
148	148	152	SSOVRsx	3,7468	3,9833	4,1576	-34,8828	84,113
148	148	151	SW2	44,052	161,9906	134,8843	-244,8426	60,72
148	148	187	SW2	-1527,1821	-152,0109	-186,512	-1544,4178	-6,469
148	148	188	SW2	107,4654	-190,1401	283,2197	-98,2381	-47,252
148	148	152	SW2	-327,3166	123,8615	59,4266	-366,9854	17,759
149	149	152	DEAD	-26,3202	-2,2294	0,2683	-26,5071	-4,793
149	149	188	DEAD	8,5463	-2,9208	10,5131	4,2087	-56,044
149	149	189	DEAD	-8,549	-2,3798	0,2126	-9,1954	-15,196
149	149	153	DEAD	-4,2868	-1,6884	1,4526	-4,7835	-16,392
149	149	152	STERR	-15,8635	-5,0755	-14,2117	-31,459	-71,973
149	149	188	STERR	-15,974	-6,9032	-13,5195	-35,3893	-70,427
149	149	189	STERR	-5,517	-4,0785	-2,6672	-11,3538	-55,056
149	149	153	STERR	-0,0109	-2,2507	1,1716	-4,295	-62,284
149	149	152	SSOVRdx	-13,1951	-3,4031	0,4326	-14,0449	-14,021
149	149	188	SSOVRdx	5,8184	-3,6214	7,0797	-4,5801	-70,799
149	149	189	SSOVRdx	-3,4363	-1,5333	0,4765	-4,0371	-21,398
149	149	153	SSOVRdx	-1,4913	-1,3149	0,1084	-2,5722	-39,42
149	149	152	SSOVRsx	5,2237	3,8508	5,6763	-27,5405	83,297
149	149	188	SSOVRsx	-19,4664	2,5901	-18,5738	-26,9822	70,985
149	149	189	SSOVRsx	1,6793	1,5701	1,9609	-7,0748	79,832
149	149	153	SSOVRsx	3,8294	2,8308	4,8391	-4,1072	70,37
149	149	152	SW2	-331,0634	-28,0416	3,3746	-333,4146	-4,793
149	149	188	SW2	107,4979	-36,7394	132,2377	52,9388	-56,044
149	149	189	SW2	-107,5319	-29,9344	2,6736	-115,6628	-15,196
149	149	153	SW2	-53,9206	-21,2367	18,2716	-60,1678	-16,392
150	150	153	DEAD	-4,0966	-0,7921	2,0099	-4,1993	-7,391
150	150	189	DEAD	-8,612	-1,6878	-0,4018	-8,959	-11,617
150	150	190	DEAD	-0,3254	-0,9633	0,9761	-1,0384	-36,505
150	150	154	DEAD	-4,7766	-0,0676	-0,4818	-4,7777	-0,901

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
150	150	153	STERR	-0,2269	-0,9007	-0,0319	-4,3876	-77,785
150	150	189	STERR	-5,0761	-1,5155	-4,0536	-7,3223	-55,992
150	150	190	STERR	1,2493	-0,8933	1,6487	-0,7488	-65,912
150	150	154	STERR	0,9015	-0,2785	0,9864	-0,0121	-73,048
150	150	153	SSOVRdx	-1,1611	-0,7742	0,9607	-1,4436	-20,045
150	150	189	SSOVRdx	-3,6852	-1,0271	-0,9792	-4,0751	-20,785
150	150	190	SSOVRdx	-0,409	-0,4412	0,3915	-0,6522	-28,86
150	150	154	SSOVRdx	-2,0825	-0,1882	-0,1763	-2,1011	-5,64
150	150	153	SSOVRsx	3,2154	2,0533	3,645	-6,5973	78,182
150	150	189	SSOVRsx	2,3307	1,9621	2,9264	-4,1319	73,111
150	150	190	SSOVRsx	3,2884	1,1272	3,6029	-0,7519	74,412
150	150	154	SSOVRsx	5,0193	1,2183	5,3287	0,2218	75,751
150	150	153	SW2	-51,5277	-9,9639	25,2816	-52,8203	-7,391
150	150	189	SW2	-108,3242	-21,2302	-5,0542	-112,6887	-11,617
150	150	190	SW2	-4,0935	-12,1161	12,2774	-13,0607	-36,505
150	150	154	SW2	-60,0818	-0,8498	-6,0603	-60,0952	-0,901
151	151	155	DEAD	2,1435	-5,6517	13,524	-0,6632	-26,409
151	151	191	DEAD	5,6529	-5,8322	29,6801	4,2372	-13,644
151	151	192	DEAD	-0,5488	-12,7587	12,429	-13,0922	-44,512
151	151	156	DEAD	2,2938	-12,5782	13,9345	-11,2974	-47,217
151	151	155	STERR	-0,8524	14,6926	12,234	-17,3484	48,309
151	151	191	STERR	-10,3398	15,4198	-5,2237	-56,815	71,645
151	151	192	STERR	4,3474	31,3457	45,0578	-19,7879	37,595
151	151	156	STERR	-4,4862	30,6186	35,8468	-27,7301	37,204
151	151	155	SSOVRdx	24,2325	5,0992	121,4299	23,965	3,003
151	151	191	SSOVRdx	19,6784	8,3289	99,2638	18,8068	5,974
151	151	192	SSOVRdx	-5,6796	12,8949	79,3779	-7,6345	8,621
151	151	156	SSOVRdx	4,5226	9,6652	70,2038	3,1003	8,371
151	151	155	SSOVRsx	-22,7337	3,0014	-22,6347	-113,7674	88,112
151	151	191	SSOVRsx	-23,4497	0,2798	-23,4488	-117,2492	89,829
151	151	192	SSOVRsx	7,4839	4,5078	7,7614	-65,7484	86,478
151	151	156	SSOVRsx	-7,2653	7,2293	-6,3183	-62,4544	82,537
151	151	155	SW2	26,9611	-71,0884	170,1086	-8,342	-26,409
151	151	191	SW2	71,1038	-73,3592	373,3255	53,297	-13,644
151	151	192	SW2	-6,9029	-160,4833	156,3356	-164,6775	-44,512
151	151	156	SW2	28,8516	-158,2124	175,2721	-142,1024	-47,217
152	152	156	DEAD	2,0579	-13,1385	13,829	-12,6069	-48,142
152	152	192	DEAD	0,1855	-16,5595	18,5163	-14,7738	-42,094
152	152	193	DEAD	-6,2113	-17,5614	11,7039	-23,426	-44,429
152	152	157	DEAD	27,8095	-14,1405	34,0845	-4,0559	-66,07
152	152	156	STERR	-4,0822	33,0861	39,653	-29,1122	37,108
152	152	192	STERR	2,6454	32,1812	40,0786	-25,0207	40,686
152	152	193	STERR	-2,0626	33,1619	37,8759	-29,5977	39,704
152	152	157	STERR	5,1212	34,0668	42,7905	-25,6877	42,125
152	152	156	SSOVRdx	4,5546	8,4018	70,0201	3,4763	7,313
152	152	192	SSOVRdx	-6,0914	7,1647	75,9894	-6,7168	4,989
152	152	193	SSOVRdx	0,9369	7,9934	36,8231	-0,8436	12,557
152	152	157	SSOVRdx	-7,8909	9,2305	46,5701	-9,4553	9,62
152	152	156	SSOVRsx	-7,0565	9,9777	-5,2534	-62,2668	79,756
152	152	192	SSOVRsx	6,9409	10,4649	8,3714	-69,6164	82,216
152	152	193	SSOVRsx	-1,8789	10,0796	1,4294	-32,589	71,829
152	152	157	SSOVRsx	10,9672	9,5924	12,755	-40,4983	79,442
152	152	156	SW2	25,8852	-165,2605	173,9453	-158,574	-48,142
152	152	192	SW2	2,333	-208,2901	232,9033	-185,8299	-42,094
152	152	193	SW2	-78,1283	-220,8934	147,2152	-294,6595	-44,429
152	152	157	SW2	349,7972	-177,8638	428,7255	-51,0163	-66,07
153	153	157	DEAD	27,7581	-29,1109	46,7004	-16,9802	-56,948
153	153	193	DEAD	-5,9724	-1,414	-3,5055	-6,7829	-29,821
153	153	194	DEAD	11,6378	2,4568	11,8001	-25,5545	86,221
153	153	158	DEAD	-102,6398	-25,2401	-16,4959	-110,0351	-16,331
153	153	157	STERR	5,1527	31,5727	40,4114	-23,1194	41,843
153	153	193	STERR	-2,1114	36,4244	40,9251	-32,9396	40,243
153	153	194	STERR	2,9038	37,154	41,8783	-32,5147	43,63
153	153	158	STERR	-19,9711	32,3023	27,6904	-41,8638	34,127
153	153	157	SSOVRdx	-6,7983	11,5523	52,711	-9,0409	10,986
153	153	193	SSOVRdx	-0,2027	10,2341	32,5429	-3,4012	17,356
153	153	194	SSOVRdx	7,2463	-3,6898	78,81	7,056	-2,952
153	153	158	SSOVRdx	-16,4637	-2,3716	-16,157	-34,802	-82,631
153	153	157	SSOVRsx	9,8694	5,7872	10,4819	-44,8119	83,959
153	153	193	SSOVRsx	-0,7437	9,4943	2,6851	-27,0334	70,143

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
153	153	194	SSOVRsx	-5,7062	23,9506	1,8606	-81,5158	72,467
153	153	158	SSOVRsx	7,9046	20,2436	50,3596	-1,748	25,493
153	153	157	SW2	349,1505	-366,1663	587,4122	-213,5828	-56,948
153	153	193	SW2	-75,1226	-17,7859	-44,0929	-85,3173	-29,821
153	153	194	SW2	146,3843	30,9024	148,4256	-321,4326	86,221
153	153	158	SW2	-1291,0354	-317,4781	-207,4903	-1384,0563	-16,331
154	154	158	DEAD	-102,4394	8,979	-21,8888	-103,4403	6,361
154	154	194	DEAD	11,5333	-18,3787	19,046	-33,4275	-67,767
154	154	195	DEAD	-4,9776	-14,6203	11,0026	-18,3537	-42,455
154	154	159	DEAD	25,7212	12,7374	31,131	-4,2687	66,988
154	154	158	STERR	-18,4917	40,1265	40,4926	-45,7894	34,227
154	154	194	STERR	2,2007	34,0837	36,6581	-31,5134	44,688
154	154	195	STERR	-1,094	35,7534	39,0905	-32,9049	41,66
154	154	159	STERR	6,5351	41,7962	47,4339	-36,1782	45,622
154	154	158	SSOVRdx	15,1509	-0,6843	123,5819	15,1465	-0,362
154	154	194	SSOVRdx	-7,4669	-4,0659	6,2583	-8,6714	-16,501
154	154	195	SSOVRdx	1,9705	10,1441	59,079	0,1686	10,072
154	154	159	SSOVRdx	10,6074	13,5257	39,1173	4,1905	25,381
154	154	158	SSOVRsx	-22,4389	23,3366	-16,6665	-116,7834	76,106
154	154	194	SSOVRsx	8,4104	23,7098	26,9521	-21,9081	51,974
154	154	195	SSOVRsx	-2,5215	11,031	-0,2352	-55,7425	78,29
154	154	159	SSOVRsx	-6,9385	10,6578	-2,9106	-35,139	69,297
154	154	158	SW2	-1288,5158	112,9405	-275,3237	-1301,1053	6,361
154	154	194	SW2	145,0695	-231,1729	239,5663	-420,4621	-67,767
154	154	195	SW2	-62,6104	-183,8988	138,3944	-230,8591	-42,455
154	154	159	SW2	323,5295	160,2146	391,576	-53,6937	66,988
155	155	159	DEAD	25,8245	-2,0156	25,9915	1,4907	-85,265
155	155	195	DEAD	-5,4119	0,0053	-4,5446	-5,4119	0,348
155	155	196	DEAD	2,8654	-2,3589	6,0988	1,1445	-36,113
155	155	160	DEAD	-0,797	-4,3798	3,0294	-5,8102	-48,857
155	155	159	STERR	6,7801	37,714	44,0791	-31,3535	45,317
155	155	195	STERR	-1,549	38,2148	40,0829	-36,6273	42,549
155	155	196	STERR	1,4572	35,539	40,3036	-31,056	42,454
155	155	160	STERR	-1,3603	35,0381	35,1527	-34,9832	43,819
155	155	159	SSOVRdx	11,9832	7,3544	41,4173	10,1456	14,029
155	155	195	SSOVRdx	0,423	7,5282	50,6675	-0,705	8,521
155	155	196	SSOVRdx	-0,3636	4,4585	10,8561	-2,1353	21,672
155	155	160	SSOVRdx	-2,18	4,2848	14,7126	-3,2668	14,233
155	155	159	SSOVRsx	-8,1012	14,6248	-1,9804	-43,0452	67,29
155	155	195	SSOVRsx	-1,268	14,9148	3,151	-51,6076	73,496
155	155	196	SSOVRsx	1,2473	16,7061	14,8955	-19,2018	50,753
155	155	160	SSOVRsx	-0,3293	16,4161	10,8675	-24,3974	55,703
155	155	159	SW2	324,8292	-25,3531	326,9292	18,7508	-85,265
155	155	195	SW2	-68,0723	0,0662	-57,1637	-68,0727	0,348
155	155	196	SW2	36,0425	-29,671	76,7126	14,3959	-36,113
155	155	160	SW2	-10,0253	-55,0903	38,1051	-73,0819	-48,857
156	156	160	DEAD	-0,8144	-6,3566	4,9452	-7,8299	-47,821
156	156	196	DEAD	2,9002	-8,2646	12,0315	-4,5799	-42,148
156	156	197	DEAD	-5,1371	-10,3683	4,6503	-16,1208	-46,651
156	156	161	DEAD	23,8346	-8,4603	26,5595	-2,4338	-72,148
156	156	160	STERR	-1,063	32,4321	33,4726	-31,5197	43,201
156	156	196	STERR	0,8189	30,8935	33,66	-28,2425	43,25
156	156	197	STERR	-2,4934	23,3203	52,76	-12,3359	22,883
156	156	161	STERR	30,5933	24,8589	56,4578	6,7009	43,864
156	156	160	SSOVRdx	-2,9015	4,7191	11,5586	-4,4416	18,074
156	156	196	SSOVRdx	0,5499	4,9101	15,2875	-1,086	18,426
156	156	197	SSOVRdx	-0,7999	7,3677	5,6735	-9,1853	48,697
156	156	161	SSOVRdx	-7,7123	7,1767	8,0204	-10,9861	24,521
156	156	160	SSOVRsx	0,6347	15,2806	12,0586	-19,8047	53,218
156	156	196	SSOVRsx	-0,1704	14,1215	9,0308	-21,8433	56,913
156	156	197	SSOVRsx	-0,5236	6,5556	40,79	-1,5638	9,017
156	156	161	SSOVRsx	28,9474	7,7148	34,3672	17,9658	54,911
156	156	160	SW2	-10,2433	-79,9559	62,2027	-98,4875	-47,821
156	156	196	SW2	36,4792	-103,9548	151,3364	-57,608	-42,148
156	156	197	SW2	-64,6165	-130,4155	58,4926	-202,7721	-46,651
156	156	161	SW2	299,7998	-106,4166	334,0736	-30,6132	-72,148
157	157	161	DEAD	23,747	-22,0597	36,887	-13,2873	-59,22
157	157	197	DEAD	-4,7368	3,9167	-0,6123	-8,4563	43,52
157	157	198	DEAD	10,5099	7,6742	11,9904	-29,27	79,081
157	157	162	DEAD	-98,1027	-18,3022	-20,4947	-102,4189	-13,27

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
157	157	161	STERR	30,138	9,5888	39,8026	20,6244	44,775
157	157	197	STERR	-1,5734	20,9891	55,2678	-9,3238	20,267
157	157	198	STERR	5,5461	19,318	60,2923	-1,2705	19,436
157	157	162	STERR	-11,7543	7,9177	64,0995	-12,5808	5,959
157	157	161	SSOVRdx	-6,1716	11,0491	17,5885	-11,3097	24,94
157	157	197	SSOVRdx	-2,5303	8,4064	2,5491	-16,4431	58,859
157	157	198	SSOVRdx	9,582	-9,9599	75,5462	8,0781	-8,586
157	157	162	SSOVRdx	-7,2705	-7,3173	-6,3902	-68,0977	-83,14
157	157	161	SSOVRsx	27,029	-6,1832	29,4681	11,3545	-68,472
157	157	197	SSOVRsx	1,8529	1,9663	51,7098	1,7754	2,259
157	157	198	SSOVRsx	-6,5591	18,9562	5,4027	-36,5995	57,747
157	157	162	SSOVRsx	12,3787	10,8067	127,8865	11,3676	5,345
157	157	161	SW2	298,6971	-277,4738	463,9761	-167,1316	-59,22
157	157	197	SW2	-59,5811	49,266	-7,7019	-106,3654	43,52
157	157	198	SW2	132,1973	96,5283	150,8192	-368,1672	79,081
157	157	162	SW2	-1233,9668	-230,2114	-257,789	-1288,2574	-13,27
158	158	162	DEAD	-98,7056	13,588	-25,31	-101,2212	10,489
158	158	198	DEAD	10,7969	-12,0847	14,3819	-29,9396	-73,477
158	158	199	DEAD	-4,6739	-8,6995	3,4568	-13,9819	-46,936
158	158	163	DEAD	22,2762	16,9733	31,4399	-9,1624	61,636
158	158	162	STERR	-6,849	26,3152	94,6241	-13,6734	14,538
158	158	198	STERR	3,2658	14,464	46,8716	-1,5319	18,351
158	158	199	STERR	-1,103	17,2243	61,0598	-5,8756	15,487
158	158	163	STERR	33,5478	29,0755	62,1062	3,9457	45,514
158	158	162	SSOVRdx	34,9829	-5,3343	144,3097	34,7226	-2,793
158	158	198	SSOVRdx	-10,093	-7,1039	-7,1551	-27,2706	-67,532
158	158	199	SSOVRdx	2,9911	11,8586	57,9337	0,4316	12,18
158	158	163	SSOVRdx	18,8789	13,6282	31,2382	3,8515	47,795
158	158	162	SSOVRsx	-25,7363	19,9409	-17,1871	-72,2487	66,794
158	158	198	SSOVRsx	11,1908	15,8388	68,4901	6,8126	15,452
158	158	199	SSOVRsx	-3,2402	-0,7947	-3,0957	-7,6112	-79,696
158	158	163	SSOVRsx	4,8171	3,3075	13,2202	3,5153	21,485
158	158	162	SW2	-1241,5506	170,9146	-318,3568	-1273,1927	10,489
158	158	198	SW2	135,8072	-152,0057	180,9006	-376,5894	-73,477
158	158	199	SW2	-58,7894	-109,4246	43,4808	-175,8688	-46,936
158	158	163	SW2	280,1973	213,4957	395,4609	-115,2474	61,636
159	159	163	DEAD	22,2736	3,9872	22,9655	-0,7035	80,156
159	159	199	DEAD	-4,8805	5,972	0,173	-11,9379	49,762
159	159	200	DEAD	1,6032	5,1398	7,3015	-3,0328	42,05
159	159	164	DEAD	-0,0197	3,155	2,5675	-3,8671	50,647
159	159	163	STERR	34,3698	12,7099	48,2513	22,7325	42,477
159	159	199	STERR	-2,3619	14,6272	53,8024	-6,1713	14,598
159	159	200	STERR	0,5191	6,549	11,7488	-3,3001	30,25
159	159	164	STERR	0,3765	4,6317	9,7617	-1,9093	26,267
159	159	163	SSOVRdx	20,9125	4,1755	28,6362	18,6552	28,396
159	159	199	SSOVRdx	0,6739	5,5101	44,4812	-0,0192	7,169
159	159	200	SSOVRdx	-0,4504	-0,6313	1,8355	-0,6247	-15,439
159	159	164	SSOVRdx	-2,0651	-1,9659	7,1361	-2,4852	-12,06
159	159	163	SSOVRsx	3,4687	1,7104	6,2342	2,4109	31,736
159	159	199	SSOVRsx	-1,8702	1,6823	0,5517	-3,0388	34,785
159	159	200	SSOVRsx	0,6309	2,2158	4,2489	-0,7261	31,485
159	159	164	SSOVRsx	0,8006	2,2439	2,5221	-2,1242	52,505
159	159	163	SW2	280,1648	50,1522	288,8676	-8,849	80,156
159	159	199	SW2	-61,3886	75,1172	2,1755	-150,1587	49,762
159	159	200	SW2	20,1661	64,6498	91,8409	-38,1473	42,05
159	159	164	SW2	-0,2478	39,6848	32,2952	-48,6417	50,647
160	160	164	DEAD	0,0433	2,2638	1,8584	-2,78	51,277
160	160	200	DEAD	1,5505	1,994	4,0149	-0,0629	38,976
160	160	201	DEAD	-0,812	0,9296	0,1394	-1,7202	44,335
160	160	165	DEAD	4,4509	1,1993	4,791	0,2218	74,167
160	160	164	STERR	-0,0643	2,3735	6,1746	-0,9673	20,828
160	160	200	STERR	1,3165	2,06	12,3025	0,9302	10,62
160	160	201	STERR	-0,701	0,2754	-0,5847	-1,3533	67,109
160	160	165	STERR	1,1943	0,5889	1,6315	0,401	53,412
160	160	164	SSOVRdx	-2,7165	-1,4305	3,7743	-3,0318	-12,428
160	160	200	SSOVRdx	0,4193	-1,5236	6,3978	0,031	-14,298
160	160	201	SSOVRdx	-0,2224	-1,7308	1,4552	-2,008	-45,894
160	160	165	SSOVRdx	-3,1206	-1,6376	1,1055	-3,7552	-21,181
160	160	164	SSOVRsx	1,0496	1,1481	2,0985	-0,207	47,583
160	160	200	SSOVRsx	0,4179	1,0843	2,4153	-0,1708	28,496

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
160	160	201	SSOVRsx	-0,2176	0,6515	0,4171	-0,8864	45,747
160	160	165	SSOVRsx	1,6836	0,7153	1,9598	-0,1695	68,894
160	160	164	SW2	0,5445	28,4742	23,3753	-34,9681	51,277
160	160	200	SW2	19,5021	25,0812	50,501	-0,7911	38,976
160	160	201	SW2	-10,2137	11,6923	1,7533	-21,6376	44,335
160	160	165	SW2	55,9844	15,0853	60,2624	2,79	74,167
161	161	180	DEAD	-2,1435	5,6517	0,6632	-13,524	63,591
161	161	202	DEAD	-5,6529	5,8322	-4,2372	-29,6801	76,356
161	161	203	DEAD	0,5488	12,7587	13,0922	-12,429	45,488
161	161	181	DEAD	-2,2938	12,5782	11,2974	-13,9345	42,783
161	161	180	STERR	0,8524	-14,6926	17,3484	-12,234	-41,691
161	161	202	STERR	10,3398	-15,4198	56,815	5,2237	-18,355
161	161	203	STERR	-4,3474	-31,3457	19,7879	-45,0578	-52,405
161	161	181	STERR	4,4862	-30,6186	27,7301	-35,8468	-52,796
161	161	180	SSOVRdx	22,7337	-3,0014	113,7674	22,6347	-1,888
161	161	202	SSOVRdx	23,4497	-0,2798	117,2492	23,4488	-0,171
161	161	203	SSOVRdx	-7,4839	-4,5078	65,7484	-7,7614	-3,522
161	161	181	SSOVRdx	7,2653	-7,2293	62,4544	6,3183	-7,463
161	161	180	SSOVRsx	-24,2325	-5,0992	-23,965	-121,4299	-86,997
161	161	202	SSOVRsx	-19,6784	-8,3289	-18,8068	-99,2638	-84,026
161	161	203	SSOVRsx	5,6796	-12,8949	7,6345	-79,3779	-81,379
161	161	181	SSOVRsx	-4,5226	-9,6652	-3,1003	-70,2038	-81,629
161	161	180	SW2	-26,9611	71,0884	8,342	-170,1086	63,591
161	161	202	SW2	-71,1038	73,3592	-53,297	-373,3255	76,356
161	161	203	SW2	6,9029	160,4833	164,6775	-156,3356	45,488
161	161	181	SW2	-28,8516	158,2124	142,1024	-175,2721	42,783
162	162	181	DEAD	-2,0579	13,1385	12,6069	-13,829	41,858
162	162	203	DEAD	-0,1855	16,5595	14,7738	-18,5163	47,906
162	162	204	DEAD	6,2113	17,5614	23,426	-11,7039	45,571
162	162	182	DEAD	-27,8095	14,1405	4,0559	-34,0845	23,93
162	162	181	STERR	4,0822	-33,0861	29,1122	-39,653	-52,892
162	162	203	STERR	-2,6454	-32,1812	25,0207	-40,0786	-49,314
162	162	204	STERR	2,0626	-33,1619	29,5977	-37,8759	-50,296
162	162	182	STERR	-5,1212	-34,0668	25,6877	-42,7905	-47,875
162	162	181	SSOVRdx	7,0565	-9,9777	62,2668	5,2534	-10,244
162	162	203	SSOVRdx	-6,9409	-10,4649	69,6164	-8,3714	-7,784
162	162	204	SSOVRdx	1,8789	-10,0796	32,589	-1,4294	-18,171
162	162	182	SSOVRdx	-10,9672	-9,5924	40,4983	-12,755	-10,558
162	162	181	SSOVRsx	-4,5546	-8,4018	-3,4763	-70,0201	-82,687
162	162	203	SSOVRsx	6,0914	-7,1647	6,7168	-75,9894	-85,011
162	162	204	SSOVRsx	-0,9369	-7,9934	0,8436	-36,8231	-77,443
162	162	182	SSOVRsx	7,8909	-9,2305	9,4553	-46,5701	-80,38
162	162	181	SW2	-25,8852	165,2605	158,574	-173,9453	41,858
162	162	203	SW2	-2,333	208,2901	185,8299	-232,9033	47,906
162	162	204	SW2	78,1283	220,8934	294,6595	-147,2152	45,571
162	162	182	SW2	-349,7972	177,8638	51,0163	-428,7255	23,93
163	163	182	DEAD	-27,7581	29,1109	16,9802	-46,7004	33,052
163	163	204	DEAD	5,9724	1,414	6,7829	3,5055	60,179
163	163	205	DEAD	-11,6378	-2,4568	25,5545	-11,8001	-3,779
163	163	183	DEAD	102,6398	25,2401	110,0351	16,4959	73,669
163	163	182	STERR	-5,1527	-31,5727	23,1194	-40,4114	-48,157
163	163	204	STERR	2,1114	-36,4244	32,9396	-40,9251	-49,757
163	163	205	STERR	-2,9038	-37,154	32,5147	-41,8783	-46,37
163	163	183	STERR	19,9711	-32,3023	41,8638	-27,6904	-55,873
163	163	182	SSOVRdx	-9,8694	-5,7872	44,8119	-10,4819	-6,041
163	163	204	SSOVRdx	0,7437	-9,4943	27,0334	-2,6851	-19,857
163	163	205	SSOVRdx	5,7062	-23,9506	81,5158	-1,8606	-17,533
163	163	183	SSOVRdx	-7,9046	-20,2436	1,748	-50,3596	-64,507
163	163	182	SSOVRsx	6,7983	-11,5523	9,0409	-52,711	-79,014
163	163	204	SSOVRsx	0,2027	-10,2341	3,4012	-32,5429	-72,644
163	163	205	SSOVRsx	-7,2463	3,6898	-7,056	-78,81	87,048
163	163	183	SSOVRsx	16,4637	2,3716	34,802	16,157	7,369
163	163	182	SW2	-349,1505	366,1663	213,5828	-587,4122	33,052
163	163	204	SW2	75,1226	17,7859	85,3173	44,0929	60,179
163	163	205	SW2	-146,3843	-30,9024	321,4326	-148,4256	-3,779
163	163	183	SW2	1291,0354	317,4781	1384,0563	207,4903	73,669
164	164	183	DEAD	102,4394	-8,979	103,4403	21,8888	-83,639
164	164	205	DEAD	-11,5333	18,3787	33,4275	-19,046	22,233
164	164	206	DEAD	4,9776	14,6203	18,3537	-11,0026	47,545
164	164	184	DEAD	-25,7212	-12,7374	4,2687	-31,131	-23,012

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
164	164	183	STERR	18,4917	-40,1265	45,7894	-40,4926	-55,773
164	164	205	STERR	-2,2007	-34,0837	31,5134	-36,6581	-45,312
164	164	206	STERR	1,094	-35,7534	32,9049	-39,0905	-48,34
164	164	184	STERR	-6,5351	-41,7962	36,1782	-47,4339	-44,378
164	164	183	SSOVRdx	22,4389	-23,3366	116,7834	16,6665	-13,894
164	164	205	SSOVRdx	-8,4104	-23,7098	21,9081	-26,9521	-38,026
164	164	206	SSOVRdx	2,5215	-11,031	55,7425	0,2352	-11,71
164	164	184	SSOVRdx	6,9385	-10,6578	35,139	2,9106	-20,703
164	164	183	SSOVRsx	-15,1509	0,6843	-15,1465	-123,5819	89,638
164	164	205	SSOVRsx	7,4669	4,0659	8,6714	-6,2583	73,499
164	164	206	SSOVRsx	-1,9705	-10,1441	-0,1686	-59,079	-79,928
164	164	184	SSOVRsx	-10,6074	-13,5257	-4,1905	-39,1173	-64,619
164	164	183	SW2	1288,5158	-112,9405	1301,1053	275,3237	-83,639
164	164	205	SW2	-145,0695	231,1729	420,4621	-239,5663	22,233
164	164	206	SW2	62,6104	183,8988	230,8591	-138,3944	47,545
164	164	184	SW2	-323,5295	-160,2146	53,6937	-391,576	-23,012
165	165	184	DEAD	-25,8245	2,0156	-1,4907	-25,9915	4,735
165	165	206	DEAD	5,4119	-0,0053	5,4119	4,5446	-89,652
165	165	207	DEAD	-2,8654	2,3589	-1,1445	-6,0988	53,887
165	165	185	DEAD	0,797	4,3798	5,8102	-3,0294	41,143
165	165	184	STERR	-6,7801	-37,714	31,3535	-44,0791	-44,683
165	165	206	STERR	1,549	-38,2148	36,6273	-40,0829	-47,451
165	165	207	STERR	-1,4572	-35,539	31,056	-40,3036	-47,546
165	165	185	STERR	1,3603	-35,0381	34,9832	-35,1527	-46,181
165	165	184	SSOVRdx	8,1012	-14,6248	43,0452	1,9804	-22,71
165	165	206	SSOVRdx	1,268	-14,9148	51,6076	-3,151	-16,504
165	165	207	SSOVRdx	-1,2473	-16,7061	19,2018	-14,8955	-39,247
165	165	185	SSOVRdx	0,3293	-16,4161	24,3974	-10,8675	-34,297
165	165	184	SSOVRsx	-11,9832	-7,3544	-10,1456	-41,4173	-75,971
165	165	206	SSOVRsx	-0,423	-7,5282	0,705	-50,6675	-81,479
165	165	207	SSOVRsx	0,3636	-4,4585	2,1353	-10,8561	-68,328
165	165	185	SSOVRsx	2,18	-4,2848	3,2668	-14,7126	-75,767
165	165	184	SW2	-324,8292	25,3531	-18,7508	-326,9292	4,735
165	165	206	SW2	68,0723	-0,0662	68,0727	57,1637	-89,652
165	165	207	SW2	-36,0425	29,671	-14,3959	-76,7126	53,887
165	165	185	SW2	10,0253	55,0903	73,0819	-38,1051	41,143
166	166	185	DEAD	0,8144	6,3566	7,8299	-4,9452	42,179
166	166	207	DEAD	-2,9002	8,2646	4,5799	-12,0315	47,852
166	166	208	DEAD	5,1371	10,3683	16,1208	-4,6503	43,349
166	166	186	DEAD	-23,8346	8,4603	2,4338	-26,5595	17,852
166	166	185	STERR	1,063	-32,4321	31,5197	-33,4726	-46,799
166	166	207	STERR	-0,8189	-30,8935	28,2425	-33,66	-46,75
166	166	208	STERR	2,4934	-23,3203	12,3359	-52,76	-67,117
166	166	186	STERR	-30,5933	-24,8589	-6,7009	-56,4578	-46,136
166	166	185	SSOVRdx	-0,6347	-15,2806	19,8047	-12,0586	-36,782
166	166	207	SSOVRdx	0,1704	-14,1215	21,8433	-9,0308	-33,087
166	166	208	SSOVRdx	0,5236	-6,5556	1,5638	-40,79	-80,983
166	166	186	SSOVRdx	-28,9474	-7,7148	-17,9658	-34,3672	-35,089
166	166	185	SSOVRsx	2,9015	-4,7191	4,4416	-11,5586	-71,926
166	166	207	SSOVRsx	-0,5499	-4,9101	1,086	-15,2875	-71,574
166	166	208	SSOVRsx	0,7999	-7,3677	9,1853	-5,6735	-41,303
166	166	186	SSOVRsx	7,7123	-7,1767	10,9861	-8,0204	-65,479
166	166	185	SW2	10,2433	79,9559	98,4875	-62,2027	42,179
166	166	207	SW2	-36,4792	103,9548	57,608	-151,3364	47,852
166	166	208	SW2	64,6165	130,4155	202,7721	-58,4926	43,349
166	166	186	SW2	-299,7998	106,4166	30,6132	-334,0736	17,852
167	167	186	DEAD	-23,747	22,0597	13,2873	-36,887	30,78
167	167	208	DEAD	4,7368	-3,9167	8,4563	0,6123	-46,48
167	167	209	DEAD	-10,5099	-7,6742	29,27	-11,9904	-10,919
167	167	187	DEAD	98,1027	18,3022	102,4189	20,4947	76,73
167	167	186	STERR	-30,138	-9,5888	-20,6244	-39,8026	-45,225
167	167	208	STERR	1,5734	-20,9891	9,3238	-55,2678	-69,733
167	167	209	STERR	-5,5461	-19,318	1,2705	-60,2923	-70,564
167	167	187	STERR	11,7543	-7,9177	12,5808	-64,0995	-84,041
167	167	186	SSOVRdx	-27,029	6,1832	-11,3545	-29,4681	21,528
167	167	208	SSOVRdx	-1,8529	-1,9663	-1,7754	-51,7098	-87,741
167	167	209	SSOVRdx	6,5591	-18,9562	36,5995	-5,4027	-32,253
167	167	187	SSOVRdx	-12,3787	-10,8067	-11,3676	-127,8865	-84,655
167	167	186	SSOVRsx	6,1716	-11,0491	11,3097	-17,5885	-65,06
167	167	208	SSOVRsx	2,5303	-8,4064	16,4431	-2,5491	-31,141

Table: Element Forces - Area Shells, Part 3 of 4

Area	AreaElem	Joint	OutputCase	M22	M12	MMax	MMin	MAngle
				KN-m/m	KN-m/m	KN-m/m	KN-m/m	Degrees
167	167	209	SSOVRsx	-9,582	9,9599	-8,0781	-75,5462	81,414
167	167	187	SSOVRsx	7,2705	7,3173	68,0977	6,3902	6,86
167	167	186	SW2	-298,6971	277,4738	167,1316	-463,9761	30,78
167	167	208	SW2	59,5811	-49,266	106,3654	7,7019	-46,48
167	167	209	SW2	-132,1973	-96,5283	368,1672	-150,8192	-10,919
167	167	187	SW2	1233,9668	230,2114	1288,2574	257,789	76,73
168	168	187	DEAD	98,7056	-13,588	101,2212	25,31	-79,511
168	168	209	DEAD	-10,7969	12,0847	29,9396	-14,3819	16,523
168	168	210	DEAD	4,6739	8,6995	13,9819	-3,4568	43,064
168	168	188	DEAD	-22,2762	-16,9733	9,1624	-31,4399	-28,364
168	168	187	STERR	6,849	-26,3152	13,6734	-94,6241	-75,462
168	168	209	STERR	-3,2658	-14,464	1,5319	-46,8716	-71,649
168	168	210	STERR	1,103	-17,2243	5,8756	-61,0598	-74,513
168	168	188	STERR	-33,5478	-29,0755	-3,9457	-62,1062	-44,486
168	168	187	SSOVRdx	25,7363	-19,9409	72,2487	17,1871	-23,206
168	168	209	SSOVRdx	-11,1908	-15,8388	-6,8126	-68,4901	-74,548
168	168	210	SSOVRdx	3,2402	0,7947	7,6112	3,0957	10,304
168	168	188	SSOVRdx	-4,8171	-3,3075	-3,5153	-13,2202	-68,515
168	168	187	SSOVRsx	-34,9829	5,3343	-34,7226	-144,3097	87,207
168	168	209	SSOVRsx	10,093	7,1039	27,2706	7,1551	22,468
168	168	210	SSOVRsx	-2,9911	-11,8586	-0,4316	-57,9337	-77,82
168	168	188	SSOVRsx	-18,8789	-13,6282	-3,8515	-31,2382	-42,205
168	168	187	SW2	1241,5506	-170,9146	1273,1927	318,3568	-79,511
168	168	209	SW2	-135,8072	152,0057	376,5894	-180,9006	16,523
168	168	210	SW2	58,7894	109,4246	175,8688	-43,4808	43,064
168	168	188	SW2	-280,1973	-213,4957	115,2474	-395,4609	-28,364
169	169	188	DEAD	-22,2736	-3,9872	0,7035	-22,9655	-9,844
169	169	210	DEAD	4,8805	-5,972	11,9379	-0,173	-40,238
169	169	211	DEAD	-1,6032	-5,1398	3,0328	-7,3015	-47,95
169	169	189	DEAD	0,0197	-3,155	3,8671	-2,5675	-39,353
169	169	188	STERR	-34,3698	-12,7099	-22,7325	-48,2513	-47,523
169	169	210	STERR	2,3619	-14,6272	6,1713	-53,8024	-75,402
169	169	211	STERR	-0,5191	-6,549	3,3001	-11,7488	-59,75
169	169	189	STERR	-0,3765	-4,6317	1,9093	-9,7617	-63,733
169	169	188	SSOVRdx	-3,4687	-1,7104	-2,4109	-6,2342	-58,264
169	169	210	SSOVRdx	1,8702	-1,6823	3,0388	-0,5517	-55,215
169	169	211	SSOVRdx	-0,6309	-2,2158	0,7261	-4,2489	-58,515
169	169	189	SSOVRdx	-0,8006	-2,2439	2,1242	-2,5221	-37,495
169	169	188	SSOVRsx	-20,9125	-4,1755	-18,6552	-28,6362	-61,604
169	169	210	SSOVRsx	-0,6739	-5,5101	0,0192	-44,4812	-82,831
169	169	211	SSOVRsx	0,4504	0,6313	0,6247	-1,8355	74,561
169	169	189	SSOVRsx	2,0651	1,9659	2,4852	-7,1361	77,94
169	169	188	SW2	-280,1648	-50,1522	8,849	-288,8676	-9,844
169	169	210	SW2	61,3886	-75,1172	150,1587	-2,1755	-40,238
169	169	211	SW2	-20,1661	-64,6498	38,1473	-91,8409	-47,95
169	169	189	SW2	0,2478	-39,6848	48,6417	-32,2952	-39,353
170	170	189	DEAD	-0,0433	-2,2638	2,78	-1,8584	-38,723
170	170	211	DEAD	-1,5505	-1,994	0,0629	-4,0149	-51,024
170	170	212	DEAD	0,812	-0,9296	1,7202	-0,1394	-45,665
170	170	190	DEAD	-4,4509	-1,1993	-0,2218	-4,791	-15,833
170	170	189	STERR	0,0643	-2,3735	0,9673	-6,1746	-69,172
170	170	211	STERR	-1,3165	-2,06	-0,9302	-12,3025	-79,38
170	170	212	STERR	0,701	-0,2754	1,3533	0,5847	-22,891
170	170	190	STERR	-1,1943	-0,5889	-0,401	-1,6315	-36,588
170	170	189	SSOVRdx	-1,0496	-1,1481	0,207	-2,0985	-42,417
170	170	211	SSOVRdx	-0,4179	-1,0843	0,1708	-2,4153	-61,504
170	170	212	SSOVRdx	0,2176	-0,6515	0,8864	-0,4171	-44,253
170	170	190	SSOVRdx	-1,6836	-0,7153	0,1695	-1,9598	-21,106
170	170	189	SSOVRsx	2,7165	1,4305	3,0318	-3,7743	77,572
170	170	211	SSOVRsx	-0,4193	1,5236	-0,031	-6,3978	75,702
170	170	212	SSOVRsx	0,2224	1,7308	2,008	-1,4552	44,106
170	170	190	SSOVRsx	3,1206	1,6376	3,7552	-1,1055	68,819
170	170	189	SW2	-0,5445	-28,4742	34,9681	-23,3753	-38,723
170	170	211	SW2	-19,5021	-25,0812	0,7911	-50,501	-51,024
170	170	212	SW2	10,2137	-11,6923	21,6376	-1,7533	-45,665
170	170	190	SW2	-55,9844	-15,0853	-2,79	-60,2624	-15,833

Table: Element Forces - Area Shells, Part 4 of 4

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
1	1	1	DEAD	0,58	3,04	3,1	79,112
1	1	3	DEAD	0,58	3,04	3,1	79,112
1	1	4	DEAD	0,58	3,04	3,1	79,112
1	1	1	STERR	-72,72	-48,36	87,33	-146,374
1	1	3	STERR	-72,72	-48,36	87,33	-146,374
1	1	4	STERR	-72,72	-48,36	87,33	-146,374
1	1	1	SSOVRdx	-20,12	-30,76	36,76	-123,192
1	1	3	SSOVRdx	-20,12	-30,76	36,76	-123,192
1	1	4	SSOVRdx	-20,12	-30,76	36,76	-123,192
1	1	1	SSOVRsx	-3,49	7,32	8,11	115,503
1	1	3	SSOVRsx	-3,49	7,32	8,11	115,503
1	1	4	SSOVRsx	-3,49	7,32	8,11	115,503
1	1	1	SW2	7,35	38,23	38,94	79,112
1	1	3	SW2	7,35	38,23	38,94	79,112
1	1	4	SW2	7,35	38,23	38,94	79,112
2	2	2	DEAD	-0,58	-3,04	3,1	-100,888
2	2	5	DEAD	-0,58	-3,04	3,1	-100,888
2	2	6	DEAD	-0,58	-3,04	3,1	-100,888
2	2	2	STERR	72,72	48,36	87,33	33,626
2	2	5	STERR	72,72	48,36	87,33	33,626
2	2	6	STERR	72,72	48,36	87,33	33,626
2	2	2	SSOVRdx	3,49	-7,32	8,11	-64,497
2	2	5	SSOVRdx	3,49	-7,32	8,11	-64,497
2	2	6	SSOVRdx	3,49	-7,32	8,11	-64,497
2	2	2	SSOVRsx	20,12	30,76	36,76	56,808
2	2	5	SSOVRsx	20,12	30,76	36,76	56,808
2	2	6	SSOVRsx	20,12	30,76	36,76	56,808
2	2	2	SW2	-7,35	-38,23	38,94	-100,888
2	2	5	SW2	-7,35	-38,23	38,94	-100,888
2	2	6	SW2	-7,35	-38,23	38,94	-100,888
3	3	4	DEAD	0,31	2,09	2,12	81,476
3	3	8	DEAD	0,31	2,09	2,12	81,476
3	3	9	DEAD	0,31	2,09	2,12	81,476
3	3	4	STERR	-26,56	-25,08	36,53	-136,641
3	3	8	STERR	-26,56	-25,08	36,53	-136,641
3	3	9	STERR	-26,56	-25,08	36,53	-136,641
3	3	4	SSOVRdx	-7,19	-20,03	21,28	-109,758
3	3	8	SSOVRdx	-7,19	-20,03	21,28	-109,758
3	3	9	SSOVRdx	-7,19	-20,03	21,28	-109,758
3	3	4	SSOVRsx	-2,39	7,07	7,46	108,715
3	3	8	SSOVRsx	-2,39	7,07	7,46	108,715
3	3	9	SSOVRsx	-2,39	7,07	7,46	108,715
3	3	4	SW2	3,95	26,34	26,64	81,476
3	3	8	SW2	3,95	26,34	26,64	81,476
3	3	9	SW2	3,95	26,34	26,64	81,476
4	4	6	DEAD	-0,31	-2,09	2,12	-98,524
4	4	11	DEAD	-0,31	-2,09	2,12	-98,524
4	4	12	DEAD	-0,31	-2,09	2,12	-98,524
4	4	6	STERR	26,56	25,08	36,53	43,359
4	4	11	STERR	26,56	25,08	36,53	43,359
4	4	12	STERR	26,56	25,08	36,53	43,359
4	4	6	SSOVRdx	2,39	-7,07	7,46	-71,285
4	4	11	SSOVRdx	2,39	-7,07	7,46	-71,285
4	4	12	SSOVRdx	2,39	-7,07	7,46	-71,285
4	4	6	SSOVRsx	7,19	20,03	21,28	70,242
4	4	11	SSOVRsx	7,19	20,03	21,28	70,242
4	4	12	SSOVRsx	7,19	20,03	21,28	70,242
4	4	6	SW2	-3,95	-26,34	26,64	-98,524
4	4	11	SW2	-3,95	-26,34	26,64	-98,524
4	4	12	SW2	-3,95	-26,34	26,64	-98,524
5	5	3	DEAD	1,13	1,84	2,16	58,3
5	5	7	DEAD	1,71	1,84	2,51	47,064
5	5	8	DEAD	1,71	2,63	3,13	56,987
5	5	4	DEAD	1,13	2,63	2,86	66,67
5	5	3	STERR	-71,2	-24,94	75,44	-160,694
5	5	7	STERR	-102,47	-24,94	105,47	-166,321
5	5	8	STERR	-102,47	-32,53	107,52	-162,386
5	5	4	STERR	-71,2	-32,53	78,28	-155,442
5	5	3	SSOVRdx	-23,02	-17,85	29,13	-142,211

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
5	5	7	SSOVRdx	-34,41	-17,85	38,76	-152,578
5	5	8	SSOVRdx	-34,41	-24,62	42,31	-144,415
5	5	4	SSOVRdx	-23,02	-24,62	33,71	-133,081
5	5	3	SSOVRsx	-1,74	4,98	5,27	109,226
5	5	7	SSOVRsx	-2,56	4,98	5,6	117,206
5	5	8	SSOVRsx	-2,56	7,56	7,98	108,696
5	5	4	SSOVRsx	-1,74	7,56	7,76	102,93
5	5	3	SW2	14,26	23,09	27,13	58,3
5	5	7	SW2	21,48	23,09	31,53	47,064
5	5	8	SW2	21,48	33,06	39,43	56,987
5	5	4	SW2	14,26	33,06	36	66,67
6	6	5	DEAD	-1,13	-1,84	2,16	-121,7
6	6	10	DEAD	-1,71	-1,84	2,51	-132,936
6	6	11	DEAD	-1,71	-2,63	3,13	-123,013
6	6	6	DEAD	-1,13	-2,63	2,86	-113,33
6	6	5	STERR	71,2	24,94	75,44	19,306
6	6	10	STERR	102,47	24,94	105,47	13,679
6	6	11	STERR	102,47	32,53	107,52	17,614
6	6	6	STERR	71,2	32,53	78,28	24,558
6	6	5	SSOVRdx	1,74	-4,98	5,27	-70,774
6	6	10	SSOVRdx	2,56	-4,98	5,6	-62,794
6	6	11	SSOVRdx	2,56	-7,56	7,98	-71,304
6	6	6	SSOVRdx	1,74	-7,56	7,76	-77,07
6	6	5	SSOVRsx	23,02	17,85	29,13	37,789
6	6	10	SSOVRsx	34,41	17,85	38,76	27,422
6	6	11	SSOVRsx	34,41	24,62	42,31	35,585
6	6	6	SSOVRsx	23,02	24,62	33,71	46,919
6	6	5	SW2	-14,26	-23,09	27,13	-121,7
6	6	10	SW2	-21,48	-23,09	31,53	-132,936
6	6	11	SW2	-21,48	-33,06	39,43	-123,013
6	6	6	SW2	-14,26	-33,06	36	-113,33
7	7	9	DEAD	0,14	-0,64	0,65	-77,381
7	7	15	DEAD	0,14	-0,64	0,65	-77,381
7	7	16	DEAD	0,14	-0,64	0,65	-77,381
7	7	9	STERR	-19,41	8,55	21,21	156,23
7	7	15	STERR	-19,41	8,55	21,21	156,23
7	7	16	STERR	-19,41	8,55	21,21	156,23
7	7	9	SSOVRdx	-3,58	3,93	5,31	132,373
7	7	15	SSOVRdx	-3,58	3,93	5,31	132,373
7	7	16	SSOVRdx	-3,58	3,93	5,31	132,373
7	7	9	SSOVRsx	-3,68	1,1	3,84	163,375
7	7	15	SSOVRsx	-3,68	1,1	3,84	163,375
7	7	16	SSOVRsx	-3,68	1,1	3,84	163,375
7	7	9	SW2	1,79	-8	8,19	-77,381
7	7	15	SW2	1,79	-8	8,19	-77,381
7	7	16	SW2	1,79	-8	8,19	-77,381
8	8	12	DEAD	-0,14	0,64	0,65	102,619
8	8	19	DEAD	-0,14	0,64	0,65	102,619
8	8	20	DEAD	-0,14	0,64	0,65	102,619
8	8	12	STERR	19,41	-8,55	21,21	-23,77
8	8	19	STERR	19,41	-8,55	21,21	-23,77
8	8	20	STERR	19,41	-8,55	21,21	-23,77
8	8	12	SSOVRdx	3,68	-1,1	3,84	-16,625
8	8	19	SSOVRdx	3,68	-1,1	3,84	-16,625
8	8	20	SSOVRdx	3,68	-1,1	3,84	-16,625
8	8	12	SSOVRsx	3,58	-3,93	5,31	-47,627
8	8	19	SSOVRsx	3,58	-3,93	5,31	-47,627
8	8	20	SSOVRsx	3,58	-3,93	5,31	-47,627
8	8	12	SW2	-1,79	8	8,19	102,619
8	8	19	SW2	-1,79	8	8,19	102,619
8	8	20	SW2	-1,79	8	8,19	102,619
9	9	7	DEAD	1,55	1,69	2,29	47,55
9	9	13	DEAD	2,09	1,69	2,69	38,967
9	9	14	DEAD	2,09	1,07	2,35	27,229
9	9	8	DEAD	1,55	1,07	1,88	34,818
9	9	7	STERR	-100,05	-18,28	101,71	-169,647
9	9	13	STERR	-108,2	-18,28	109,74	-170,412
9	9	14	STERR	-108,2	-8,68	108,55	-175,414
9	9	8	STERR	-100,05	-8,68	100,43	-175,042
9	9	7	SSOVRdx	-32,83	-15,77	36,42	-154,342

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
9	9	13	SSOVRdx	-38,22	-15,77	41,34	-157,579
9	9	14	SSOVRdx	-38,22	-10,3	39,58	-164,917
9	9	8	SSOVRdx	-32,83	-10,3	34,4	-162,58
9	9	7	SSOVRsx	-2,97	5,35	6,12	119,057
9	9	13	SSOVRsx	-2,28	5,35	5,82	113,048
9	9	14	SSOVRsx	-2,28	5,13	5,62	113,93
9	9	8	SSOVRsx	-2,97	5,13	5,93	120,093
9	9	7	SW2	19,43	21,25	28,79	47,55
9	9	13	SW2	26,27	21,25	33,78	38,967
9	9	14	SW2	26,27	13,52	29,54	27,229
9	9	8	SW2	19,43	13,52	23,67	34,818
10	10	8	DEAD	1,38	0,9	1,65	33,15
10	10	14	DEAD	1,11	0,9	1,43	38,962
10	10	15	DEAD	1,11	1,24	1,67	48,18
10	10	9	DEAD	1,38	1,24	1,86	42,073
10	10	8	STERR	-35,81	2,72	35,91	175,658
10	10	14	STERR	-51,31	2,72	51,38	176,967
10	10	15	STERR	-51,31	-2,28	51,36	-177,459
10	10	9	STERR	-35,81	-2,28	35,88	-176,361
10	10	8	SSOVRdx	-15,43	-6,37	16,7	-157,558
10	10	14	SSOVRdx	-17,14	-6,37	18,28	-159,599
10	10	15	SSOVRdx	-17,14	-9,52	19,6	-150,945
10	10	9	SSOVRdx	-15,43	-9,52	18,13	-148,327
10	10	8	SSOVRsx	0,31	5,78	5,79	86,96
10	10	14	SSOVRsx	-2,97	5,78	6,5	117,176
10	10	15	SSOVRsx	-2,97	6,54	7,19	114,395
10	10	9	SSOVRsx	0,31	6,54	6,55	87,314
10	10	8	SW2	17,35	11,33	20,72	33,15
10	10	14	SW2	14,01	11,33	18,02	38,962
10	10	15	SW2	14,01	15,66	21,01	48,18
10	10	9	SW2	17,35	15,66	23,37	42,073
11	11	10	DEAD	-1,55	-1,69	2,29	-132,45
11	11	17	DEAD	-2,09	-1,69	2,69	-141,033
11	11	18	DEAD	-2,09	-1,07	2,35	-152,771
11	11	11	DEAD	-1,55	-1,07	1,88	-145,182
11	11	10	STERR	100,05	18,28	101,71	10,353
11	11	17	STERR	108,2	18,28	109,74	9,588
11	11	18	STERR	108,2	8,68	108,55	4,586
11	11	11	STERR	100,05	8,68	100,43	4,958
11	11	10	SSOVRdx	2,97	-5,35	6,12	-60,943
11	11	17	SSOVRdx	2,28	-5,35	5,82	-66,952
11	11	18	SSOVRdx	2,28	-5,13	5,62	-66,07
11	11	11	SSOVRdx	2,97	-5,13	5,93	-59,907
11	11	10	SSOVRsx	32,83	15,77	36,42	25,658
11	11	17	SSOVRsx	38,22	15,77	41,34	22,421
11	11	18	SSOVRsx	38,22	10,3	39,58	15,083
11	11	11	SSOVRsx	32,83	10,3	34,4	17,42
11	11	10	SW2	-19,43	-21,25	28,79	-132,45
11	11	17	SW2	-26,27	-21,25	33,78	-141,033
11	11	18	SW2	-26,27	-13,52	29,54	-152,771
11	11	11	SW2	-19,43	-13,52	23,67	-145,182
12	12	11	DEAD	-1,38	-0,9	1,65	-146,85
12	12	18	DEAD	-1,11	-0,9	1,43	-141,038
12	12	19	DEAD	-1,11	-1,24	1,67	-131,82
12	12	12	DEAD	-1,38	-1,24	1,86	-137,927
12	12	11	STERR	35,81	-2,72	35,91	-4,342
12	12	18	STERR	51,31	-2,72	51,38	-3,033
12	12	19	STERR	51,31	2,28	51,36	2,541
12	12	12	STERR	35,81	2,28	35,88	3,639
12	12	11	SSOVRdx	-0,31	-5,78	5,79	-93,04
12	12	18	SSOVRdx	2,97	-5,78	6,5	-62,824
12	12	19	SSOVRdx	2,97	-6,54	7,19	-65,605
12	12	12	SSOVRdx	-0,31	-6,54	6,55	-92,686
12	12	11	SSOVRsx	15,43	6,37	16,7	22,442
12	12	18	SSOVRsx	17,14	6,37	18,28	20,401
12	12	19	SSOVRsx	17,14	9,52	19,6	29,055
12	12	12	SSOVRsx	15,43	9,52	18,13	31,673
12	12	11	SW2	-17,35	-11,33	20,72	-146,85
12	12	18	SW2	-14,01	-11,33	18,02	-141,038
12	12	19	SW2	-14,01	-15,66	21,01	-131,82

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
12	12	12	SW2	-17,35	-15,66	23,37	-137,927
13	13	16	DEAD	-0,54	-1,08	1,21	-116,486
13	13	24	DEAD	-0,54	-1,08	1,21	-116,486
13	13	25	DEAD	-0,54	-1,08	1,21	-116,486
13	13	16	STERR	-23,66	11,97	26,52	153,16
13	13	24	STERR	-23,66	11,97	26,52	153,16
13	13	25	STERR	-23,66	11,97	26,52	153,16
13	13	16	SSOVRdx	-4,79	4,69	6,7	135,632
13	13	24	SSOVRdx	-4,79	4,69	6,7	135,632
13	13	25	SSOVRdx	-4,79	4,69	6,7	135,632
13	13	16	SSOVRsx	-2,82	2,31	3,64	140,692
13	13	24	SSOVRsx	-2,82	2,31	3,64	140,692
13	13	25	SSOVRsx	-2,82	2,31	3,64	140,692
13	13	16	SW2	-6,78	-13,61	15,2	-116,486
13	13	24	SW2	-6,78	-13,61	15,2	-116,486
13	13	25	SW2	-6,78	-13,61	15,2	-116,486
14	14	20	DEAD	0,54	1,08	1,21	63,514
14	14	29	DEAD	0,54	1,08	1,21	63,514
14	14	30	DEAD	0,54	1,08	1,21	63,514
14	14	20	STERR	23,66	-11,97	26,52	-26,84
14	14	29	STERR	23,66	-11,97	26,52	-26,84
14	14	30	STERR	23,66	-11,97	26,52	-26,84
14	14	20	SSOVRdx	2,82	-2,31	3,64	-39,308
14	14	29	SSOVRdx	2,82	-2,31	3,64	-39,308
14	14	30	SSOVRdx	2,82	-2,31	3,64	-39,308
14	14	20	SSOVRsx	4,79	-4,69	6,7	-44,368
14	14	29	SSOVRsx	4,79	-4,69	6,7	-44,368
14	14	30	SSOVRsx	4,79	-4,69	6,7	-44,368
14	14	20	SW2	6,78	13,61	15,2	63,514
14	14	29	SW2	6,78	13,61	15,2	63,514
14	14	30	SW2	6,78	13,61	15,2	63,514
15	15	13	DEAD	2,14	1,62	2,68	37,087
15	15	21	DEAD	2,68	1,62	3,13	31,047
15	15	22	DEAD	2,68	1,13	2,91	22,841
15	15	14	DEAD	2,14	1,13	2,42	27,876
15	15	13	STERR	-108,71	-13,79	109,58	-172,769
15	15	21	STERR	-117,16	-13,79	117,97	-173,285
15	15	22	STERR	-117,16	-8,51	117,47	-175,844
15	15	14	STERR	-108,71	-8,51	109,04	-175,523
15	15	13	SSOVRdx	-38,56	-14,63	41,24	-159,223
15	15	21	SSOVRdx	-43,97	-14,63	46,34	-161,597
15	15	22	SSOVRdx	-43,97	-10,64	45,24	-166,4
15	15	14	SSOVRdx	-38,56	-10,64	40	-164,578
15	15	13	SSOVRsx	-2,26	5,85	6,27	111,165
15	15	21	SSOVRsx	-1,8	5,85	6,12	107,062
15	15	22	SSOVRsx	-1,8	5,46	5,74	108,21
15	15	14	SSOVRsx	-2,26	5,46	5,91	112,539
15	15	13	SW2	26,87	20,32	33,69	37,087
15	15	21	SW2	33,75	20,32	39,39	31,047
15	15	22	SW2	33,75	14,21	36,62	22,841
15	15	14	SW2	26,87	14,21	30,4	27,876
16	16	14	DEAD	1,08	0,67	1,27	31,854
16	16	22	DEAD	1,9	0,67	2,01	19,485
16	16	23	DEAD	1,9	0,14	1,9	4,172
16	16	15	DEAD	1,08	0,14	1,09	7,3
16	16	14	STERR	-50,43	-1,01	50,44	-178,85
16	16	22	STERR	-61,68	-1,01	61,68	-179,06
16	16	23	STERR	-61,68	4,93	61,87	175,43
16	16	15	STERR	-50,43	4,93	50,67	174,417
16	16	14	SSOVRdx	-16,66	-5,96	17,69	-160,316
16	16	22	SSOVRdx	-24,56	-5,96	25,27	-166,357
16	16	23	SSOVRdx	-24,56	-1,98	24,64	-175,401
16	16	15	SSOVRdx	-16,66	-1,98	16,78	-173,239
16	16	14	SSOVRsx	-3,06	4,82	5,71	122,414
16	16	22	SSOVRsx	-0,95	4,82	4,91	101,172
16	16	23	SSOVRsx	-0,95	4,25	4,36	102,626
16	16	15	SSOVRsx	-3,06	4,25	5,24	125,759
16	16	14	SW2	13,6	8,45	16,01	31,854
16	16	22	SW2	23,88	8,45	25,33	19,485
16	16	23	SW2	23,88	1,74	23,94	4,172

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
16	16	15	SW2	13,6	1,74	13,71	7,3
17	17	15	DEAD	0,58	0,05738	0,59	5,606
17	17	23	DEAD	1,64	0,05738	1,65	1,998
17	17	24	DEAD	1,64	-0,82	1,84	-26,517
17	17	16	DEAD	0,58	-0,82	1,01	-54,532
17	17	15	STERR	-16,58	12,33	20,66	143,354
17	17	23	STERR	-39,41	12,33	41,29	162,623
17	17	24	STERR	-39,41	13,73	41,73	160,788
17	17	16	STERR	-16,58	13,73	21,53	140,363
17	17	15	SSOVRdx	-4,95	0,41	4,97	175,215
17	17	23	SSOVRdx	-16,15	0,41	16,15	178,53
17	17	24	SSOVRdx	-16,15	2,32	16,31	171,839
17	17	16	SSOVRdx	-4,95	2,32	5,46	154,931
17	17	15	SSOVRsx	-2,31	4,67	5,21	116,371
17	17	23	SSOVRsx	-1,43	4,67	4,88	107,066
17	17	24	SSOVRsx	-1,43	4,62	4,84	107,211
17	17	16	SSOVRsx	-2,31	4,62	5,17	116,577
17	17	15	SW2	7,35	0,72	7,39	5,606
17	17	23	SW2	20,69	0,72	20,7	1,998
17	17	24	SW2	20,69	-10,32	23,12	-26,517
17	17	16	SW2	7,35	-10,32	12,67	-54,532
18	18	17	DEAD	-2,14	-1,62	2,68	-142,913
18	18	26	DEAD	-2,68	-1,62	3,13	-148,953
18	18	27	DEAD	-2,68	-1,13	2,91	-157,159
18	18	18	DEAD	-2,14	-1,13	2,42	-152,124
18	18	17	STERR	108,71	13,79	109,58	7,231
18	18	26	STERR	117,16	13,79	117,97	6,715
18	18	27	STERR	117,16	8,51	117,47	4,156
18	18	18	STERR	108,71	8,51	109,04	4,477
18	18	17	SSOVRdx	2,26	-5,85	6,27	-68,835
18	18	26	SSOVRdx	1,8	-5,85	6,12	-72,938
18	18	27	SSOVRdx	1,8	-5,46	5,74	-71,79
18	18	18	SSOVRdx	2,26	-5,46	5,91	-67,461
18	18	17	SSOVRsx	38,56	14,63	41,24	20,777
18	18	26	SSOVRsx	43,97	14,63	46,34	18,403
18	18	27	SSOVRsx	43,97	10,64	45,24	13,6
18	18	18	SSOVRsx	38,56	10,64	40	15,422
18	18	17	SW2	-26,87	-20,32	33,69	-142,913
18	18	26	SW2	-33,75	-20,32	39,39	-148,953
18	18	27	SW2	-33,75	-14,21	36,62	-157,159
18	18	18	SW2	-26,87	-14,21	30,4	-152,124
19	19	18	DEAD	-1,08	-0,67	1,27	-148,146
19	19	27	DEAD	-1,9	-0,67	2,01	-160,515
19	19	28	DEAD	-1,9	-0,14	1,9	-175,828
19	19	19	DEAD	-1,08	-0,14	1,09	-172,7
19	19	18	STERR	50,43	1,01	50,44	1,15
19	19	27	STERR	61,68	1,01	61,68	0,94
19	19	28	STERR	61,68	-4,93	61,87	-4,57
19	19	19	STERR	50,43	-4,93	50,67	-5,583
19	19	18	SSOVRdx	3,06	-4,82	5,71	-57,586
19	19	27	SSOVRdx	0,95	-4,82	4,91	-78,828
19	19	28	SSOVRdx	0,95	-4,25	4,36	-77,374
19	19	19	SSOVRdx	3,06	-4,25	5,24	-54,241
19	19	18	SSOVRsx	16,66	5,96	17,69	19,684
19	19	27	SSOVRsx	24,56	5,96	25,27	13,643
19	19	28	SSOVRsx	24,56	1,98	24,64	4,599
19	19	19	SSOVRsx	16,66	1,98	16,78	6,761
19	19	18	SW2	-13,6	-8,45	16,01	-148,146
19	19	27	SW2	-23,88	-8,45	25,33	-160,515
19	19	28	SW2	-23,88	-1,74	23,94	-175,828
19	19	19	SW2	-13,6	-1,74	13,71	-172,7
20	20	19	DEAD	-0,58	-0,05738	0,59	-174,394
20	20	28	DEAD	-1,64	-0,05738	1,65	-178,002
20	20	29	DEAD	-1,64	0,82	1,84	153,483
20	20	20	DEAD	-0,58	0,82	1,01	125,468
20	20	19	STERR	16,58	-12,33	20,66	-36,646
20	20	28	STERR	39,41	-12,33	41,29	-17,377
20	20	29	STERR	39,41	-13,73	41,73	-19,212
20	20	20	STERR	16,58	-13,73	21,53	-39,637
20	20	19	SSOVRdx	2,31	-4,67	5,21	-63,629

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
20	20	28	SSOVRdx	1,43	-4,67	4,88	-72,934
20	20	29	SSOVRdx	1,43	-4,62	4,84	-72,789
20	20	20	SSOVRdx	2,31	-4,62	5,17	-63,423
20	20	19	SSOVRsx	4,95	-0,41	4,97	-4,785
20	20	28	SSOVRsx	16,15	-0,41	16,15	-1,47
20	20	29	SSOVRsx	16,15	-2,32	16,31	-8,161
20	20	20	SSOVRsx	4,95	-2,32	5,46	-25,069
20	20	19	SW2	-7,35	-0,72	7,39	-174,394
20	20	28	SW2	-20,69	-0,72	20,7	-178,002
20	20	29	SW2	-20,69	10,32	23,12	153,483
20	20	20	SW2	-7,35	10,32	12,67	125,468
21	21	25	DEAD	1,35	-0,85	1,59	-32,145
21	21	35	DEAD	1,35	-0,85	1,59	-32,145
21	21	36	DEAD	1,35	-0,85	1,59	-32,145
21	21	25	STERR	-19,46	7,51	20,86	158,888
21	21	35	STERR	-19,46	7,51	20,86	158,888
21	21	36	STERR	-19,46	7,51	20,86	158,888
21	21	25	SSOVRdx	-10,48	3,14	10,94	163,329
21	21	35	SSOVRdx	-10,48	3,14	10,94	163,329
21	21	36	SSOVRdx	-10,48	3,14	10,94	163,329
21	21	25	SSOVRsx	0,68	1,64	1,78	67,421
21	21	35	SSOVRsx	0,68	1,64	1,78	67,421
21	21	36	SSOVRsx	0,68	1,64	1,78	67,421
21	21	25	SW2	16,93	-10,64	19,99	-32,145
21	21	35	SW2	16,93	-10,64	19,99	-32,145
21	21	36	SW2	16,93	-10,64	19,99	-32,145
22	22	30	DEAD	-1,35	0,85	1,59	147,855
22	22	41	DEAD	-1,35	0,85	1,59	147,855
22	22	42	DEAD	-1,35	0,85	1,59	147,855
22	22	30	STERR	19,46	-7,51	20,86	-21,112
22	22	41	STERR	19,46	-7,51	20,86	-21,112
22	22	42	STERR	19,46	-7,51	20,86	-21,112
22	22	30	SSOVRdx	-0,68	-1,64	1,78	-112,579
22	22	41	SSOVRdx	-0,68	-1,64	1,78	-112,579
22	22	42	SSOVRdx	-0,68	-1,64	1,78	-112,579
22	22	30	SSOVRsx	10,48	-3,14	10,94	-16,671
22	22	41	SSOVRsx	10,48	-3,14	10,94	-16,671
22	22	42	SSOVRsx	10,48	-3,14	10,94	-16,671
22	22	30	SW2	-16,93	10,64	19,99	147,855
22	22	41	SW2	-16,93	10,64	19,99	147,855
22	22	42	SW2	-16,93	10,64	19,99	147,855
23	23	21	DEAD	2,74	1,36	3,06	26,467
23	23	31	DEAD	4,51	1,36	4,71	16,829
23	23	32	DEAD	4,51	0,9	4,6	11,282
23	23	22	DEAD	2,74	0,9	2,89	18,179
23	23	21	STERR	-117,44	-5,02	117,55	-177,553
23	23	31	STERR	-126,82	-5,02	126,92	-177,734
23	23	32	STERR	-126,82	-3,68	126,87	-178,34
23	23	22	STERR	-117,44	-3,68	117,5	-178,207
23	23	21	SSOVRdx	-44,32	-11,85	45,88	-165,036
23	23	31	SSOVRdx	-56,87	-11,85	58,09	-168,234
23	23	32	SSOVRdx	-56,87	-8,78	57,55	-171,219
23	23	22	SSOVRdx	-44,32	-8,78	45,18	-168,788
23	23	21	SSOVRsx	-1,78	6,69	6,92	104,885
23	23	31	SSOVRsx	1,39	6,69	6,83	78,294
23	23	32	SSOVRsx	1,39	5,93	6,09	76,848
23	23	22	SSOVRsx	-1,78	5,93	6,19	106,686
23	23	21	SW2	34,48	17,17	38,52	26,467
23	23	31	SW2	56,76	17,17	59,3	16,829
23	23	32	SW2	56,76	11,32	57,88	11,282
23	23	22	SW2	34,48	11,32	36,29	18,179
24	24	22	DEAD	2	0,37	2,04	10,521
24	24	32	DEAD	3,52	0,37	3,54	6,042
24	24	33	DEAD	3,52	0,07497	3,52	1,221
24	24	23	DEAD	2	0,07497	2,01	2,142
24	24	22	STERR	-61,2	0,19	61,2	179,821
24	24	32	STERR	-76,93	0,19	76,93	179,857
24	24	33	STERR	-76,93	1,57	76,95	178,834
24	24	23	STERR	-61,2	1,57	61,22	178,535
24	24	22	SSOVRdx	-24,72	-4,78	25,17	-169,053

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
24	24	32	SSOVRdx	-37,19	-4,78	37,5	-172,676
24	24	33	SSOVRdx	-37,19	-3,09	37,32	-175,25
24	24	23	SSOVRdx	-24,72	-3,09	24,91	-172,872
24	24	22	SSOVRsx	-0,93	4,85	4,94	100,842
24	24	32	SSOVRsx	2,54	4,85	5,48	62,38
24	24	33	SSOVRsx	2,54	4,53	5,19	60,72
24	24	23	SSOVRsx	-0,93	4,53	4,62	101,598
24	24	22	SW2	25,21	4,68	25,64	10,521
24	24	32	SW2	44,23	4,68	44,48	6,042
24	24	33	SW2	44,23	0,94	44,24	1,221
24	24	23	SW2	25,21	0,94	25,23	2,142
25	25	23	DEAD	1,47	-0,24	1,49	-9,155
25	25	33	DEAD	2,94	-0,24	2,95	-4,59
25	25	34	DEAD	2,94	-0,55	2,99	-10,508
25	25	24	DEAD	1,47	-0,55	1,56	-20,424
25	25	23	STERR	-38,68	4,76	38,97	172,988
25	25	33	STERR	-52,99	4,76	53,2	174,87
25	25	34	STERR	-52,99	6,48	53,38	173,031
25	25	24	STERR	-38,68	6,48	39,21	170,493
25	25	23	SSOVRdx	-15,09	-0,44	15,1	-178,328
25	25	33	SSOVRdx	-27,46	-0,44	27,46	-179,081
25	25	34	SSOVRdx	-27,46	1,09	27,48	177,722
25	25	24	SSOVRdx	-15,09	1,09	15,13	175,859
25	25	23	SSOVRsx	-1,75	3,67	4,07	115,434
25	25	33	SSOVRsx	2,67	3,67	4,54	53,96
25	25	34	SSOVRsx	2,67	3,41	4,33	51,885
25	25	24	SSOVRsx	-1,75	3,41	3,83	117,147
25	25	23	SW2	18,44	-2,97	18,68	-9,155
25	25	33	SW2	37,03	-2,97	37,15	-4,59
25	25	34	SW2	37,03	-6,87	37,66	-10,508
25	25	24	SW2	18,44	-6,87	19,68	-20,424
26	26	24	DEAD	1,65	-0,76	1,82	-24,768
26	26	34	DEAD	2,87	-0,76	2,97	-14,826
26	26	35	DEAD	2,87	-0,26	2,89	-5,163
26	26	25	DEAD	1,65	-0,26	1,67	-8,95
26	26	24	STERR	-20,13	9,87	22,42	153,883
26	26	34	STERR	-40,65	9,87	41,83	166,356
26	26	35	STERR	-40,65	7,7	41,38	169,269
26	26	25	STERR	-20,13	7,7	21,55	159,056
26	26	24	SSOVRdx	-9,52	3,18	10,04	161,516
26	26	34	SSOVRdx	-22,15	3,18	22,38	171,827
26	26	35	SSOVRdx	-22,15	0,83	22,17	177,866
26	26	25	SSOVRdx	-9,52	0,83	9,55	175,044
26	26	24	SSOVRsx	-1,02	2,95	3,13	109,016
26	26	34	SSOVRsx	1,96	2,95	3,55	56,415
26	26	35	SSOVRsx	1,96	2,98	3,57	56,621
26	26	25	SSOVRsx	-1,02	2,98	3,15	108,879
26	26	24	SW2	20,74	-9,57	22,84	-24,768
26	26	34	SW2	36,15	-9,57	37,4	-14,826
26	26	35	SW2	36,15	-3,27	36,3	-5,163
26	26	25	SW2	20,74	-3,27	21	-8,95
27	27	26	DEAD	-2,74	-1,36	3,06	-153,533
27	27	37	DEAD	-4,51	-1,36	4,71	-163,171
27	27	38	DEAD	-4,51	-0,9	4,6	-168,718
27	27	27	DEAD	-2,74	-0,9	2,89	-161,821
27	27	26	STERR	117,44	5,02	117,55	2,447
27	27	37	STERR	126,82	5,02	126,92	2,266
27	27	38	STERR	126,82	3,68	126,87	1,66
27	27	27	STERR	117,44	3,68	117,5	1,793
27	27	26	SSOVRdx	1,78	-6,69	6,92	-75,115
27	27	37	SSOVRdx	-1,39	-6,69	6,83	-101,706
27	27	38	SSOVRdx	-1,39	-5,93	6,09	-103,152
27	27	27	SSOVRdx	1,78	-5,93	6,19	-73,314
27	27	26	SSOVRsx	44,32	11,85	45,88	14,964
27	27	37	SSOVRsx	56,87	11,85	58,09	11,766
27	27	38	SSOVRsx	56,87	8,78	57,55	8,781
27	27	27	SSOVRsx	44,32	8,78	45,18	11,212
27	27	26	SW2	-34,48	-17,17	38,52	-153,533
27	27	37	SW2	-56,76	-17,17	59,3	-163,171
27	27	38	SW2	-56,76	-11,32	57,88	-168,718

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
27	27	27	SW2	-34,48	-11,32	36,29	-161,821
28	28	27	DEAD	-2	-0,37	2,04	-169,479
28	28	38	DEAD	-3,52	-0,37	3,54	-173,958
28	28	39	DEAD	-3,52	-0,07497	3,52	-178,779
28	28	28	DEAD	-2	-0,07497	2,01	-177,858
28	28	27	STERR	61,2	-0,19	61,2	-0,179
28	28	38	STERR	76,93	-0,19	76,93	-0,143
28	28	39	STERR	76,93	-1,57	76,95	-1,166
28	28	28	STERR	61,2	-1,57	61,22	-1,465
28	28	27	SSOVRdx	0,93	-4,85	4,94	-79,158
28	28	38	SSOVRdx	-2,54	-4,85	5,48	-117,62
28	28	39	SSOVRdx	-2,54	-4,53	5,19	-119,28
28	28	28	SSOVRdx	0,93	-4,53	4,62	-78,402
28	28	27	SSOVRsx	24,72	4,78	25,17	10,947
28	28	38	SSOVRsx	37,19	4,78	37,5	7,324
28	28	39	SSOVRsx	37,19	3,09	37,32	4,75
28	28	28	SSOVRsx	24,72	3,09	24,91	7,128
28	28	27	SW2	-25,21	-4,68	25,64	-169,479
28	28	38	SW2	-44,23	-4,68	44,48	-173,958
28	28	39	SW2	-44,23	-0,94	44,24	-178,779
28	28	28	SW2	-25,21	-0,94	25,23	-177,858
29	29	28	DEAD	-1,47	0,24	1,49	170,845
29	29	39	DEAD	-2,94	0,24	2,95	175,41
29	29	40	DEAD	-2,94	0,55	2,99	169,492
29	29	29	DEAD	-1,47	0,55	1,56	159,576
29	29	28	STERR	38,68	-4,76	38,97	-7,012
29	29	39	STERR	52,99	-4,76	53,2	-5,13
29	29	40	STERR	52,99	-6,48	53,38	-6,969
29	29	29	STERR	38,68	-6,48	39,21	-9,507
29	29	28	SSOVRdx	1,75	-3,67	4,07	-64,566
29	29	39	SSOVRdx	-2,67	-3,67	4,54	-126,04
29	29	40	SSOVRdx	-2,67	-3,41	4,33	-128,115
29	29	29	SSOVRdx	1,75	-3,41	3,83	-62,853
29	29	28	SSOVRsx	15,09	0,44	15,1	1,672
29	29	39	SSOVRsx	27,46	0,44	27,46	0,919
29	29	40	SSOVRsx	27,46	-1,09	27,48	-2,278
29	29	29	SSOVRsx	15,09	-1,09	15,13	-4,141
29	29	28	SW2	-18,44	2,97	18,68	170,845
29	29	39	SW2	-37,03	2,97	37,15	175,41
29	29	40	SW2	-37,03	6,87	37,66	169,492
29	29	29	SW2	-18,44	6,87	19,68	159,576
30	30	29	DEAD	-1,65	0,76	1,82	155,232
30	30	40	DEAD	-2,87	0,76	2,97	165,174
30	30	41	DEAD	-2,87	0,26	2,89	174,837
30	30	30	DEAD	-1,65	0,26	1,67	171,05
30	30	29	STERR	20,13	-9,87	22,42	-26,117
30	30	40	STERR	40,65	-9,87	41,83	-13,644
30	30	41	STERR	40,65	-7,7	41,38	-10,731
30	30	30	STERR	20,13	-7,7	21,55	-20,944
30	30	29	SSOVRdx	1,02	-2,95	3,13	-70,984
30	30	40	SSOVRdx	-1,96	-2,95	3,55	-123,585
30	30	41	SSOVRdx	-1,96	-2,98	3,57	-123,379
30	30	30	SSOVRdx	1,02	-2,98	3,15	-71,121
30	30	29	SSOVRsx	9,52	-3,18	10,04	-18,484
30	30	40	SSOVRsx	22,15	-3,18	22,38	-8,173
30	30	41	SSOVRsx	22,15	-0,83	22,17	-2,134
30	30	30	SSOVRsx	9,52	-0,83	9,55	-4,956
30	30	29	SW2	-20,74	9,57	22,84	155,232
30	30	40	SW2	-36,15	9,57	37,4	165,174
30	30	41	SW2	-36,15	3,27	36,3	174,837
30	30	30	SW2	-20,74	3,27	21	171,05
31	31	36	DEAD	1,43	-1,42	2,02	-44,8
31	31	48	DEAD	1,43	-1,42	2,02	-44,8
31	31	49	DEAD	1,43	-1,42	2,02	-44,8
31	31	36	STERR	-5,57	-2,97	6,31	-151,973
31	31	48	STERR	-5,57	-2,97	6,31	-151,973
31	31	49	STERR	-5,57	-2,97	6,31	-151,973
31	31	36	SSOVRdx	-6,13	2,35	6,56	159,064
31	31	48	SSOVRdx	-6,13	2,35	6,56	159,064
31	31	49	SSOVRdx	-6,13	2,35	6,56	159,064

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
31	31	36	SSOVRsx	2,37	-1,43	2,77	-31,203
31	31	48	SSOVRsx	2,37	-1,43	2,77	-31,203
31	31	49	SSOVRsx	2,37	-1,43	2,77	-31,203
31	31	36	SW2	17,99	-17,86	25,35	-44,8
31	31	48	SW2	17,99	-17,86	25,35	-44,8
31	31	49	SW2	17,99	-17,86	25,35	-44,8
32	32	42	DEAD	-1,43	1,42	2,02	135,2
32	32	55	DEAD	-1,43	1,42	2,02	135,2
32	32	56	DEAD	-1,43	1,42	2,02	135,2
32	32	42	STERR	5,57	2,97	6,31	28,027
32	32	55	STERR	5,57	2,97	6,31	28,027
32	32	56	STERR	5,57	2,97	6,31	28,027
32	32	42	SSOVRdx	-2,37	1,43	2,77	148,797
32	32	55	SSOVRdx	-2,37	1,43	2,77	148,797
32	32	56	SSOVRdx	-2,37	1,43	2,77	148,797
32	32	42	SSOVRsx	6,13	-2,35	6,56	-20,936
32	32	55	SSOVRsx	6,13	-2,35	6,56	-20,936
32	32	56	SSOVRsx	6,13	-2,35	6,56	-20,936
32	32	42	SW2	-17,99	17,86	25,35	135,2
32	32	55	SW2	-17,99	17,86	25,35	135,2
32	32	56	SW2	-17,99	17,86	25,35	135,2
33	33	49	DEAD	1,33	-0,81	1,56	-31,171
33	33	63	DEAD	1,33	-0,81	1,56	-31,171
33	33	64	DEAD	1,33	-0,81	1,56	-31,171
33	33	49	STERR	-1,5	-17,25	17,31	-94,973
33	33	63	STERR	-1,5	-17,25	17,31	-94,973
33	33	64	STERR	-1,5	-17,25	17,31	-94,973
33	33	49	SSOVRdx	-6,58	-7,32	9,85	-131,935
33	33	63	SSOVRdx	-6,58	-7,32	9,85	-131,935
33	33	64	SSOVRdx	-6,58	-7,32	9,85	-131,935
33	33	49	SSOVRsx	5,35	0,46	5,37	4,912
33	33	63	SSOVRsx	5,35	0,46	5,37	4,912
33	33	64	SSOVRsx	5,35	0,46	5,37	4,912
33	33	49	SW2	16,79	-10,15	19,62	-31,171
33	33	63	SW2	16,79	-10,15	19,62	-31,171
33	33	64	SW2	16,79	-10,15	19,62	-31,171
34	34	56	DEAD	-1,33	0,81	1,56	148,829
34	34	71	DEAD	-1,33	0,81	1,56	148,829
34	34	72	DEAD	-1,33	0,81	1,56	148,829
34	34	56	STERR	1,5	17,25	17,31	85,027
34	34	71	STERR	1,5	17,25	17,31	85,027
34	34	72	STERR	1,5	17,25	17,31	85,027
34	34	56	SSOVRdx	-5,35	-0,46	5,37	-175,088
34	34	71	SSOVRdx	-5,35	-0,46	5,37	-175,088
34	34	72	SSOVRdx	-5,35	-0,46	5,37	-175,088
34	34	56	SSOVRsx	6,58	7,32	9,85	48,065
34	34	71	SSOVRsx	6,58	7,32	9,85	48,065
34	34	72	SSOVRsx	6,58	7,32	9,85	48,065
34	34	56	SW2	-16,79	10,15	19,62	148,829
34	34	71	SW2	-16,79	10,15	19,62	148,829
34	34	72	SW2	-16,79	10,15	19,62	148,829
35	35	31	DEAD	4,55	0,88	4,63	10,962
35	35	43	DEAD	6,65	0,88	6,71	7,545
35	35	44	DEAD	6,65	0,43	6,67	3,656
35	35	32	DEAD	4,55	0,43	4,57	5,339
35	35	31	STERR	-126,37	7,11	126,57	176,779
35	35	43	STERR	-118,35	7,11	118,57	176,561
35	35	44	STERR	-118,35	4,18	118,43	177,979
35	35	32	STERR	-126,37	4,18	126,44	178,107
35	35	31	SSOVRdx	-56,97	-7,28	57,43	-172,721
35	35	43	SSOVRdx	-64,7	-7,28	65,11	-173,583
35	35	44	SSOVRdx	-64,7	-5,81	64,96	-174,867
35	35	32	SSOVRdx	-56,97	-5,81	57,27	-174,175
35	35	31	SSOVRsx	1,4	7,81	7,94	79,864
35	35	43	SSOVRsx	6,5	7,81	10,16	50,243
35	35	44	SSOVRsx	6,5	6,88	9,46	46,616
35	35	32	SSOVRsx	1,4	6,88	7,02	78,519
35	35	31	SW2	57,24	11,09	58,3	10,962
35	35	43	SW2	83,7	11,09	84,43	7,545
35	35	44	SW2	83,7	5,35	83,87	3,656

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
35	35	32	SW2	57,24	5,35	57,48	5,339
36	36	32	DEAD	3,61	-0,16	3,62	-2,558
36	36	44	DEAD	5,09	-0,16	5,09	-1,816
36	36	45	DEAD	5,09	-0,5	5,12	-5,664
36	36	33	DEAD	3,61	-0,5	3,65	-7,957
36	36	32	STERR	-76,27	2,75	76,32	177,937
36	36	44	STERR	-75,75	2,75	75,8	177,923
36	36	45	STERR	-75,75	0,59	75,76	179,554
36	36	33	STERR	-76,27	0,59	76,27	179,557
36	36	32	SSOVRdx	-37,21	-3,32	37,36	-174,902
36	36	44	SSOVRdx	-44,91	-3,32	45,03	-175,773
36	36	45	SSOVRdx	-44,91	-2,7	44,99	-176,56
36	36	33	SSOVRdx	-37,21	-2,7	37,31	-175,85
36	36	32	SSOVRsx	2,51	5,23	5,8	64,365
36	36	44	SSOVRsx	7,7	5,23	9,31	34,157
36	36	45	SSOVRsx	7,7	4,58	8,96	30,732
36	36	33	SSOVRsx	2,51	4,58	5,22	61,291
36	36	32	SW2	45,44	-2,03	45,48	-2,558
36	36	44	SW2	64,03	-2,03	64,07	-1,816
36	36	45	SW2	64,03	-6,35	64,35	-5,664
36	36	33	SW2	45,44	-6,35	45,88	-7,957
37	37	33	DEAD	3,04	-0,74	3,13	-13,694
37	37	45	DEAD	3,93	-0,74	4	-10,673
37	37	46	DEAD	3,93	-0,95	4,04	-13,63
37	37	34	DEAD	3,04	-0,95	3,18	-17,407
37	37	33	STERR	-52,29	0,79	52,3	179,133
37	37	45	STERR	-54,71	0,79	54,71	179,171
37	37	46	STERR	-54,71	0,52	54,71	179,459
37	37	34	STERR	-52,29	0,52	52,29	179,434
37	37	33	SSOVRdx	-27,24	-1,2	27,26	-177,475
37	37	45	SSOVRdx	-34,53	-1,2	34,55	-178,008
37	37	46	SSOVRdx	-34,53	-0,58	34,53	-179,036
37	37	34	SSOVRdx	-27,24	-0,58	27,24	-178,778
37	37	33	SSOVRsx	2,62	3,56	4,42	53,717
37	37	45	SSOVRsx	7,61	3,56	8,4	25,098
37	37	46	SSOVRsx	7,61	3,17	8,25	22,642
37	37	34	SSOVRsx	2,62	3,17	4,11	50,499
37	37	33	SW2	38,2	-9,31	39,31	-13,694
37	37	45	SW2	49,38	-9,31	50,25	-10,673
37	37	46	SW2	49,38	-11,98	50,82	-13,63
37	37	34	SW2	38,2	-11,98	40,03	-17,407
38	38	34	DEAD	2,42	-1,05	2,64	-23,439
38	38	46	DEAD	3,16	-1,05	3,33	-18,367
38	38	47	DEAD	3,16	-1,79	3,63	-29,496
38	38	35	DEAD	2,42	-1,79	3,01	-36,452
38	38	34	STERR	-42,52	0,34	42,53	179,537
38	38	46	STERR	-38,8	0,34	38,8	179,492
38	38	47	STERR	-38,8	-0,5	38,8	-179,257
38	38	35	STERR	-42,52	-0,5	42,53	-179,322
38	38	34	SSOVRdx	-21,9	0,34	21,9	179,121
38	38	46	SSOVRdx	-26,99	0,34	26,99	179,286
38	38	47	SSOVRdx	-26,99	1,57	27,04	176,668
38	38	35	SSOVRdx	-21,9	1,57	21,95	175,895
38	38	34	SSOVRsx	1,84	2,33	2,96	51,759
38	38	46	SSOVRsx	7,51	2,33	7,86	17,223
38	38	47	SSOVRsx	7,51	1,79	7,72	13,392
38	38	35	SSOVRsx	1,84	1,79	2,56	44,262
38	38	34	SW2	30,43	-13,19	33,16	-23,439
38	38	46	SW2	39,73	-13,19	41,87	-18,367
38	38	47	SW2	39,73	-22,48	45,65	-29,496
38	38	35	SW2	30,43	-22,48	37,83	-36,452
39	39	35	DEAD	2,02	-1,92	2,79	-43,529
39	39	47	DEAD	2,7	-1,92	3,31	-35,377
39	39	48	DEAD	2,7	-0,9	2,85	-18,456
39	39	36	DEAD	2,02	-0,9	2,21	-24,061
39	39	35	STERR	-11,26	2,94	11,64	165,36
39	39	47	STERR	-25,86	2,94	26,02	173,507
39	39	48	STERR	-25,86	5,91	26,52	167,119
39	39	36	STERR	-11,26	5,91	12,72	152,305
39	39	35	SSOVRdx	-8,4	4,17	9,38	153,57

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
39	39	47	SSOVRdx	-20,06	4,17	20,49	168,245
39	39	48	SSOVRdx	-20,06	4,14	20,49	168,327
39	39	36	SSOVRdx	-8,4	4,14	9,37	153,734
39	39	35	SSOVRsx	1,08	0,62	1,24	29,734
39	39	47	SSOVRsx	6,47	0,62	6,5	5,443
39	39	48	SSOVRsx	6,47	-0,24	6,47	-2,108
39	39	36	SSOVRsx	1,08	-0,24	1,1	-12,443
39	39	35	SW2	25,4	-24,13	35,04	-43,529
39	39	47	SW2	33,99	-24,13	41,68	-35,377
39	39	48	SW2	33,99	-11,34	35,83	-18,456
39	39	36	SW2	25,4	-11,34	27,82	-24,061
40	40	37	DEAD	-4,55	-0,88	4,63	-169,038
40	40	50	DEAD	-6,65	-0,88	6,71	-172,455
40	40	51	DEAD	-6,65	-0,43	6,67	-176,344
40	40	38	DEAD	-4,55	-0,43	4,57	-174,661
40	40	37	STERR	126,37	-7,11	126,57	-3,221
40	40	50	STERR	118,35	-7,11	118,57	-3,439
40	40	51	STERR	118,35	-4,18	118,43	-2,021
40	40	38	STERR	126,37	-4,18	126,44	-1,893
40	40	37	SSOVRdx	-1,4	-7,81	7,94	-100,136
40	40	50	SSOVRdx	-6,5	-7,81	10,16	-129,757
40	40	51	SSOVRdx	-6,5	-6,88	9,46	-133,384
40	40	38	SSOVRdx	-1,4	-6,88	7,02	-101,481
40	40	37	SSOVRsx	56,97	7,28	57,43	7,279
40	40	50	SSOVRsx	64,7	7,28	65,11	6,417
40	40	51	SSOVRsx	64,7	5,81	64,96	5,133
40	40	38	SSOVRsx	56,97	5,81	57,27	5,825
40	40	37	SW2	-57,24	-11,09	58,3	-169,038
40	40	50	SW2	-83,7	-11,09	84,43	-172,455
40	40	51	SW2	-83,7	-5,35	83,87	-176,344
40	40	38	SW2	-57,24	-5,35	57,48	-174,661
41	41	38	DEAD	-3,61	0,16	3,62	177,442
41	41	51	DEAD	-5,09	0,16	5,09	178,184
41	41	52	DEAD	-5,09	0,5	5,12	174,336
41	41	39	DEAD	-3,61	0,5	3,65	172,043
41	41	38	STERR	76,27	-2,75	76,32	-2,063
41	41	51	STERR	75,75	-2,75	75,8	-2,077
41	41	52	STERR	75,75	-0,59	75,76	-0,446
41	41	39	STERR	76,27	-0,59	76,27	-0,443
41	41	38	SSOVRdx	-2,51	-5,23	5,8	-115,635
41	41	51	SSOVRdx	-7,7	-5,23	9,31	-145,843
41	41	52	SSOVRdx	-7,7	-4,58	8,96	-149,268
41	41	39	SSOVRdx	-2,51	-4,58	5,22	-118,709
41	41	38	SSOVRsx	37,21	3,32	37,36	5,098
41	41	51	SSOVRsx	44,91	3,32	45,03	4,227
41	41	52	SSOVRsx	44,91	2,7	44,99	3,44
41	41	39	SSOVRsx	37,21	2,7	37,31	4,15
41	41	38	SW2	-45,44	2,03	45,48	177,442
41	41	51	SW2	-64,03	2,03	64,07	178,184
41	41	52	SW2	-64,03	6,35	64,35	174,336
41	41	39	SW2	-45,44	6,35	45,88	172,043
42	42	39	DEAD	-3,04	0,74	3,13	166,306
42	42	52	DEAD	-3,93	0,74	4	169,327
42	42	53	DEAD	-3,93	0,95	4,04	166,37
42	42	40	DEAD	-3,04	0,95	3,18	162,593
42	42	39	STERR	52,29	-0,79	52,3	-0,867
42	42	52	STERR	54,71	-0,79	54,71	-0,829
42	42	53	STERR	54,71	-0,52	54,71	-0,541
42	42	40	STERR	52,29	-0,52	52,29	-0,566
42	42	39	SSOVRdx	-2,62	-3,56	4,42	-126,283
42	42	52	SSOVRdx	-7,61	-3,56	8,4	-154,902
42	42	53	SSOVRdx	-7,61	-3,17	8,25	-157,358
42	42	40	SSOVRdx	-2,62	-3,17	4,11	-129,501
42	42	39	SSOVRsx	27,24	1,2	27,26	2,525
42	42	52	SSOVRsx	34,53	1,2	34,55	1,992
42	42	53	SSOVRsx	34,53	0,58	34,53	0,964
42	42	40	SSOVRsx	27,24	0,58	27,24	1,222
42	42	39	SW2	-38,2	9,31	39,31	166,306
42	42	52	SW2	-49,38	9,31	50,25	169,327
42	42	53	SW2	-49,38	11,98	50,82	166,37

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
42	42	40	SW2	-38,2	11,98	40,03	162,593
43	43	40	DEAD	-2,42	1,05	2,64	156,561
43	43	53	DEAD	-3,16	1,05	3,33	161,633
43	43	54	DEAD	-3,16	1,79	3,63	150,504
43	43	41	DEAD	-2,42	1,79	3,01	143,548
43	43	40	STERR	42,52	-0,34	42,53	-0,463
43	43	53	STERR	38,8	-0,34	38,8	-0,508
43	43	54	STERR	38,8	0,5	38,8	0,743
43	43	41	STERR	42,52	0,5	42,53	0,678
43	43	40	SSOVRdx	-1,84	-2,33	2,96	-128,241
43	43	53	SSOVRdx	-7,51	-2,33	7,86	-162,777
43	43	54	SSOVRdx	-7,51	-1,79	7,72	-166,608
43	43	41	SSOVRdx	-1,84	-1,79	2,56	-135,738
43	43	40	SSOVRsx	21,9	-0,34	21,9	-0,879
43	43	53	SSOVRsx	26,99	-0,34	26,99	-0,714
43	43	54	SSOVRsx	26,99	-1,57	27,04	-3,332
43	43	41	SSOVRsx	21,9	-1,57	21,95	-4,105
43	43	40	SW2	-30,43	13,19	33,16	156,561
43	43	53	SW2	-39,73	13,19	41,87	161,633
43	43	54	SW2	-39,73	22,48	45,65	150,504
43	43	41	SW2	-30,43	22,48	37,83	143,548
44	44	41	DEAD	-2,02	1,92	2,79	136,471
44	44	54	DEAD	-2,7	1,92	3,31	144,623
44	44	55	DEAD	-2,7	0,9	2,85	161,544
44	44	42	DEAD	-2,02	0,9	2,21	155,939
44	44	41	STERR	11,26	-2,94	11,64	-14,64
44	44	54	STERR	25,86	-2,94	26,02	-6,493
44	44	55	STERR	25,86	-5,91	26,52	-12,881
44	44	42	STERR	11,26	-5,91	12,72	-27,695
44	44	41	SSOVRdx	-1,08	-0,62	1,24	-150,266
44	44	54	SSOVRdx	-6,47	-0,62	6,5	-174,557
44	44	55	SSOVRdx	-6,47	0,24	6,47	177,892
44	44	42	SSOVRdx	-1,08	0,24	1,1	167,557
44	44	41	SSOVRsx	8,4	-4,17	9,38	-26,43
44	44	54	SSOVRsx	20,06	-4,17	20,49	-11,755
44	44	55	SSOVRsx	20,06	-4,14	20,49	-11,673
44	44	42	SSOVRsx	8,4	-4,14	9,37	-26,266
44	44	41	SW2	-25,4	24,13	35,04	136,471
44	44	54	SW2	-33,99	24,13	41,68	144,623
44	44	55	SW2	-33,99	11,34	35,83	161,544
44	44	42	SW2	-25,4	11,34	27,82	155,939
45	45	64	DEAD	0,92	-1,03	1,39	-48,18
45	45	80	DEAD	0,92	-1,03	1,39	-48,18
45	45	81	DEAD	0,92	-1,03	1,39	-48,18
45	45	64	STERR	-4,62	-10,87	11,81	-113,015
45	45	80	STERR	-4,62	-10,87	11,81	-113,015
45	45	81	STERR	-4,62	-10,87	11,81	-113,015
45	45	64	SSOVRdx	-9,24	-1,71	9,4	-169,523
45	45	80	SSOVRdx	-9,24	-1,71	9,4	-169,523
45	45	81	SSOVRdx	-9,24	-1,71	9,4	-169,523
45	45	64	SSOVRsx	5,94	-3,46	6,87	-30,216
45	45	80	SSOVRsx	5,94	-3,46	6,87	-30,216
45	45	81	SSOVRsx	5,94	-3,46	6,87	-30,216
45	45	64	SW2	11,62	-12,99	17,43	-48,18
45	45	80	SW2	11,62	-12,99	17,43	-48,18
45	45	81	SW2	11,62	-12,99	17,43	-48,18
46	46	72	DEAD	-0,92	1,03	1,39	131,82
46	46	89	DEAD	-0,92	1,03	1,39	131,82
46	46	90	DEAD	-0,92	1,03	1,39	131,82
46	46	72	STERR	4,62	10,87	11,81	66,985
46	46	89	STERR	4,62	10,87	11,81	66,985
46	46	90	STERR	4,62	10,87	11,81	66,985
46	46	72	SSOVRdx	-5,94	3,46	6,87	149,784
46	46	89	SSOVRdx	-5,94	3,46	6,87	149,784
46	46	90	SSOVRdx	-5,94	3,46	6,87	149,784
46	46	72	SSOVRsx	9,24	1,71	9,4	10,477
46	46	89	SSOVRsx	9,24	1,71	9,4	10,477
46	46	90	SSOVRsx	9,24	1,71	9,4	10,477
46	46	72	SW2	-11,62	12,99	17,43	131,82
46	46	89	SW2	-11,62	12,99	17,43	131,82

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
46	46	90	SW2	-11,62	12,99	17,43	131,82
47	47	81	DEAD	-0,02886	-0,51	0,51	-93,26
47	47	99	DEAD	-0,02886	-0,51	0,51	-93,26
47	47	100	DEAD	-0,02886	-0,51	0,51	-93,26
47	47	81	STERR	4,23	-11,98	12,71	-70,537
47	47	99	STERR	4,23	-11,98	12,71	-70,537
47	47	100	STERR	4,23	-11,98	12,71	-70,537
47	47	81	SSOVRdx	-0,41	-2,29	2,32	-100,233
47	47	99	SSOVRdx	-0,41	-2,29	2,32	-100,233
47	47	100	SSOVRdx	-0,41	-2,29	2,32	-100,233
47	47	81	SSOVRsx	2,05	-4,29	4,75	-64,479
47	47	99	SSOVRsx	2,05	-4,29	4,75	-64,479
47	47	100	SSOVRsx	2,05	-4,29	4,75	-64,479
47	47	81	SW2	-0,36	-6,37	6,38	-93,26
47	47	99	SW2	-0,36	-6,37	6,38	-93,26
47	47	100	SW2	-0,36	-6,37	6,38	-93,26
48	48	90	DEAD	0,02886	0,51	0,51	86,74
48	48	109	DEAD	0,02886	0,51	0,51	86,74
48	48	110	DEAD	0,02886	0,51	0,51	86,74
48	48	90	STERR	-4,23	11,98	12,71	109,463
48	48	109	STERR	-4,23	11,98	12,71	109,463
48	48	110	STERR	-4,23	11,98	12,71	109,463
48	48	90	SSOVRdx	-2,05	4,29	4,75	115,521
48	48	109	SSOVRdx	-2,05	4,29	4,75	115,521
48	48	110	SSOVRdx	-2,05	4,29	4,75	115,521
48	48	90	SSOVRsx	0,41	2,29	2,32	79,767
48	48	109	SSOVRsx	0,41	2,29	2,32	79,767
48	48	110	SSOVRsx	0,41	2,29	2,32	79,767
48	48	90	SW2	0,36	6,37	6,38	86,74
48	48	109	SW2	0,36	6,37	6,38	86,74
48	48	110	SW2	0,36	6,37	6,38	86,74
49	49	43	DEAD	6,65	0,51	6,67	4,364
49	49	57	DEAD	7,65	0,51	7,67	3,794
49	49	58	DEAD	7,65	-0,1	7,65	-0,757
49	49	44	DEAD	6,65	-0,1	6,65	-0,871
49	49	43	STERR	-117,67	14,54	118,56	172,956
49	49	57	STERR	-110,55	14,54	111,5	172,508
49	49	58	STERR	-110,55	9,57	110,96	175,05
49	49	44	STERR	-117,67	9,57	118,05	175,348
49	49	43	SSOVRdx	-64,54	-4,11	64,67	-176,355
49	49	57	SSOVRdx	-66,11	-4,11	66,24	-176,442
49	49	58	SSOVRdx	-66,11	-3,56	66,21	-176,916
49	49	44	SSOVRdx	-64,54	-3,56	64,64	-176,841
49	49	43	SSOVRsx	6,49	8,61	10,78	52,988
49	49	57	SSOVRsx	8,99	8,61	12,44	43,767
49	49	58	SSOVRsx	8,99	7,59	11,77	40,2
49	49	44	SSOVRsx	6,49	7,59	9,99	49,486
49	49	43	SW2	83,64	6,38	83,88	4,364
49	49	57	SW2	96,24	6,38	96,45	3,794
49	49	58	SW2	96,24	-1,27	96,24	-0,757
49	49	44	SW2	83,64	-1,27	83,65	-0,871
50	50	44	DEAD	5,2	-0,75	5,26	-8,25
50	50	58	DEAD	5,7	-0,75	5,75	-7,537
50	50	59	DEAD	5,7	-1,34	5,86	-13,208
50	50	45	DEAD	5,2	-1,34	5,37	-14,424
50	50	44	STERR	-75,22	5,13	75,4	176,096
50	50	58	STERR	-71,84	5,13	72,02	175,913
50	50	59	STERR	-71,84	1,22	71,85	179,028
50	50	45	STERR	-75,22	1,22	75,23	179,071
50	50	44	SSOVRdx	-44,9	-2,13	44,95	-177,287
50	50	58	SSOVRdx	-46,74	-2,13	46,79	-177,394
50	50	59	SSOVRdx	-46,74	-2,08	46,78	-177,452
50	50	45	SSOVRdx	-44,9	-2,08	44,95	-177,348
50	50	44	SSOVRsx	7,66	5,54	9,45	35,895
50	50	58	SSOVRsx	10,08	5,54	11,5	28,808
50	50	59	SSOVRsx	10,08	4,68	11,11	24,912
50	50	45	SSOVRsx	7,66	4,68	8,98	31,434
50	50	44	SW2	65,45	-9,49	66,14	-8,25
50	50	58	SW2	71,73	-9,49	72,35	-7,537
50	50	59	SW2	71,73	-16,83	73,67	-13,208

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
50	50	45	SW2	65,45	-16,83	67,58	-14,424
51	51	45	DEAD	4,14	-1,5	4,4	-19,932
51	51	59	DEAD	4,37	-1,5	4,62	-18,947
51	51	60	DEAD	4,37	-1,84	4,74	-22,792
51	51	46	DEAD	4,14	-1,84	4,52	-23,934
51	51	45	STERR	-54,15	-0,13	54,15	-179,857
51	51	59	STERR	-51,78	-0,13	51,78	-179,851
51	51	60	STERR	-51,78	-1,78	51,81	-178,036
51	51	46	STERR	-54,15	-1,78	54,18	-178,122
51	51	45	SSOVRdx	-34,61	-1,07	34,62	-178,226
51	51	59	SSOVRdx	-36	-1,07	36,02	-178,295
51	51	60	SSOVRdx	-36	-1,1	36,02	-178,247
51	51	46	SSOVRdx	-34,61	-1,1	34,63	-178,176
51	51	45	SSOVRsx	7,64	3,43	8,37	24,175
51	51	59	SSOVRsx	9,62	3,43	10,22	19,607
51	51	60	SSOVRsx	9,62	3,05	10,1	17,605
51	51	46	SSOVRsx	7,64	3,05	8,22	21,796
51	51	45	SW2	52,02	-18,86	55,33	-19,932
51	51	59	SW2	54,94	-18,86	58,09	-18,947
51	51	60	SW2	54,94	-23,09	59,6	-22,792
51	51	46	SW2	52,02	-23,09	56,91	-23,934
52	52	46	DEAD	3,44	-1,86	3,91	-28,395
52	52	60	DEAD	3,44	-1,86	3,91	-28,436
52	52	61	DEAD	3,44	-1,83	3,89	-28,051
52	52	47	DEAD	3,44	-1,83	3,9	-28,01
52	52	46	STERR	-38,19	-1,82	38,23	-177,278
52	52	60	STERR	-39,65	-1,82	39,69	-177,378
52	52	61	STERR	-39,65	-2,61	39,74	-176,233
52	52	47	STERR	-38,19	-2,61	38,28	-176,089
52	52	46	SSOVRdx	-26,98	-0,12	26,98	-179,747
52	52	60	SSOVRdx	-29,12	-0,12	29,12	-179,765
52	52	61	SSOVRdx	-29,12	-0,0879	29,12	-179,827
52	52	47	SSOVRdx	-26,98	-0,0879	26,98	-179,813
52	52	46	SSOVRsx	7,44	2,12	7,73	15,924
52	52	60	SSOVRsx	8,97	2,12	9,22	13,311
52	52	61	SSOVRsx	8,97	1,55	9,1	9,803
52	52	47	SSOVRsx	7,44	1,55	7,6	11,77
52	52	46	SW2	43,29	-23,4	49,21	-28,395
52	52	60	SW2	43,21	-23,4	49,14	-28,436
52	52	61	SW2	43,21	-23,03	48,97	-28,051
52	52	47	SW2	43,29	-23,03	49,03	-28,01
53	53	47	DEAD	2,51	-1,77	3,07	-35,211
53	53	61	DEAD	2,29	-1,77	2,89	-37,654
53	53	62	DEAD	2,29	-2,81	3,62	-50,792
53	53	48	DEAD	2,51	-2,81	3,76	-48,267
53	53	47	STERR	-26,54	-4,16	26,87	-171,096
53	53	61	STERR	-21,35	-4,16	21,75	-168,978
53	53	62	STERR	-21,35	-7,96	22,78	-159,55
53	53	48	STERR	-26,54	-7,96	27,71	-163,304
53	53	47	SSOVRdx	-20,12	0,59	20,12	178,317
53	53	61	SSOVRdx	-18,91	0,59	18,92	178,21
53	53	62	SSOVRdx	-18,91	0,64	18,92	178,047
53	53	48	SSOVRdx	-20,12	0,64	20,13	178,164
53	53	47	SSOVRsx	6,62	0,12	6,62	1,044
53	53	61	SSOVRsx	7,95	0,12	7,95	0,869
53	53	62	SSOVRsx	7,95	-0,51	7,97	-3,689
53	53	48	SSOVRsx	6,62	-0,51	6,64	-4,429
53	53	47	SW2	31,51	-22,24	38,57	-35,211
53	53	61	SW2	28,82	-22,24	36,4	-37,654
53	53	62	SW2	28,82	-35,33	45,59	-50,792
53	53	48	SW2	31,51	-35,33	47,34	-48,267
54	54	48	DEAD	1,46	-2,84	3,19	-62,709
54	54	62	DEAD	1,89	-2,84	3,41	-56,388
54	54	63	DEAD	1,89	-1,18	2,22	-31,92
54	54	49	DEAD	1,46	-1,18	1,88	-38,748
54	54	48	STERR	-2,68	-2,85	3,91	-133,28
54	54	62	STERR	-4,61	-2,85	5,42	-148,27
54	54	63	STERR	-4,61	-0,91	4,7	-168,874
54	54	49	STERR	-2,68	-0,91	2,83	-161,337
54	54	48	SSOVRdx	-3,64	4,97	6,16	126,233

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
54	54	62	SSOVRdx	-9,45	4,97	10,68	152,285
54	54	63	SSOVRdx	-9,45	5,5	10,94	149,782
54	54	49	SSOVRdx	-3,64	5,5	6,6	123,462
54	54	48	SSOVRsx	1,08	-3,06	3,25	-70,572
54	54	62	SSOVRsx	6,15	-3,06	6,87	-26,476
54	54	63	SSOVRsx	6,15	-5,29	8,12	-40,709
54	54	49	SSOVRsx	1,08	-5,29	5,4	-78,461
54	54	48	SW2	18,43	-35,71	40,19	-62,709
54	54	62	SW2	23,74	-35,71	42,88	-56,388
54	54	63	SW2	23,74	-14,79	27,97	-31,92
54	54	49	SW2	18,43	-14,79	23,63	-38,748
55	55	50	DEAD	-6,65	-0,51	6,67	-175,636
55	55	65	DEAD	-7,65	-0,51	7,67	-176,206
55	55	66	DEAD	-7,65	0,1	7,65	179,243
55	55	51	DEAD	-6,65	0,1	6,65	179,129
55	55	50	STERR	117,67	-14,54	118,56	-7,044
55	55	65	STERR	110,55	-14,54	111,5	-7,492
55	55	66	STERR	110,55	-9,57	110,96	-4,95
55	55	51	STERR	117,67	-9,57	118,05	-4,652
55	55	50	SSOVRdx	-6,49	-8,61	10,78	-127,012
55	55	65	SSOVRdx	-8,99	-8,61	12,44	-136,233
55	55	66	SSOVRdx	-8,99	-7,59	11,77	-139,8
55	55	51	SSOVRdx	-6,49	-7,59	9,99	-130,514
55	55	50	SSOVRsx	64,54	4,11	64,67	3,645
55	55	65	SSOVRsx	66,11	4,11	66,24	3,558
55	55	66	SSOVRsx	66,11	3,56	66,21	3,084
55	55	51	SSOVRsx	64,54	3,56	64,64	3,159
55	55	50	SW2	-83,64	-6,38	83,88	-175,636
55	55	65	SW2	-96,24	-6,38	96,45	-176,206
55	55	66	SW2	-96,24	1,27	96,24	179,243
55	55	51	SW2	-83,64	1,27	83,65	179,129
56	56	51	DEAD	-5,2	0,75	5,26	171,75
56	56	66	DEAD	-5,7	0,75	5,75	172,463
56	56	67	DEAD	-5,7	1,34	5,86	166,792
56	56	52	DEAD	-5,2	1,34	5,37	165,576
56	56	51	STERR	75,22	-5,13	75,4	-3,904
56	56	66	STERR	71,84	-5,13	72,02	-4,087
56	56	67	STERR	71,84	-1,22	71,85	-0,972
56	56	52	STERR	75,22	-1,22	75,23	-0,929
56	56	51	SSOVRdx	-7,66	-5,54	9,45	-144,105
56	56	66	SSOVRdx	-10,08	-5,54	11,5	-151,192
56	56	67	SSOVRdx	-10,08	-4,68	11,11	-155,088
56	56	52	SSOVRdx	-7,66	-4,68	8,98	-148,566
56	56	51	SSOVRsx	44,9	2,13	44,95	2,713
56	56	66	SSOVRsx	46,74	2,13	46,79	2,606
56	56	67	SSOVRsx	46,74	2,08	46,78	2,548
56	56	52	SSOVRsx	44,9	2,08	44,95	2,652
56	56	51	SW2	-65,45	9,49	66,14	171,75
56	56	66	SW2	-71,73	9,49	72,35	172,463
56	56	67	SW2	-71,73	16,83	73,67	166,792
56	56	52	SW2	-65,45	16,83	67,58	165,576
57	57	52	DEAD	-4,14	1,5	4,4	160,068
57	57	67	DEAD	-4,37	1,5	4,62	161,053
57	57	68	DEAD	-4,37	1,84	4,74	157,208
57	57	53	DEAD	-4,14	1,84	4,52	156,066
57	57	52	STERR	54,15	0,13	54,15	0,143
57	57	67	STERR	51,78	0,13	51,78	0,149
57	57	68	STERR	51,78	1,78	51,81	1,964
57	57	53	STERR	54,15	1,78	54,18	1,878
57	57	52	SSOVRdx	-7,64	-3,43	8,37	-155,825
57	57	67	SSOVRdx	-9,62	-3,43	10,22	-160,393
57	57	68	SSOVRdx	-9,62	-3,05	10,1	-162,395
57	57	53	SSOVRdx	-7,64	-3,05	8,22	-158,204
57	57	52	SSOVRsx	34,61	1,07	34,62	1,774
57	57	67	SSOVRsx	36	1,07	36,02	1,705
57	57	68	SSOVRsx	36	1,1	36,02	1,753
57	57	53	SSOVRsx	34,61	1,1	34,63	1,824
57	57	52	SW2	-52,02	18,86	55,33	160,068
57	57	67	SW2	-54,94	18,86	58,09	161,053
57	57	68	SW2	-54,94	23,09	59,6	157,208

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
57	57	53	SW2	-52,02	23,09	56,91	156,066
58	58	53	DEAD	-3,44	1,86	3,91	151,605
58	58	68	DEAD	-3,44	1,86	3,91	151,564
58	58	69	DEAD	-3,44	1,83	3,89	151,949
58	58	54	DEAD	-3,44	1,83	3,9	151,99
58	58	53	STERR	38,19	1,82	38,23	2,722
58	58	68	STERR	39,65	1,82	39,69	2,622
58	58	69	STERR	39,65	2,61	39,74	3,767
58	58	54	STERR	38,19	2,61	38,28	3,911
58	58	53	SSOVRdx	-7,44	-2,12	7,73	-164,076
58	58	68	SSOVRdx	-8,97	-2,12	9,22	-166,689
58	58	69	SSOVRdx	-8,97	-1,55	9,1	-170,197
58	58	54	SSOVRdx	-7,44	-1,55	7,6	-168,23
58	58	53	SSOVRsx	26,98	0,12	26,98	0,253
58	58	68	SSOVRsx	29,12	0,12	29,12	0,235
58	58	69	SSOVRsx	29,12	0,0879	29,12	0,173
58	58	54	SSOVRsx	26,98	0,0879	26,98	0,187
58	58	53	SW2	-43,29	23,4	49,21	151,605
58	58	68	SW2	-43,21	23,4	49,14	151,564
58	58	69	SW2	-43,21	23,03	48,97	151,949
58	58	54	SW2	-43,29	23,03	49,03	151,99
59	59	54	DEAD	-2,51	1,77	3,07	144,789
59	59	69	DEAD	-2,29	1,77	2,89	142,346
59	59	70	DEAD	-2,29	2,81	3,62	129,208
59	59	55	DEAD	-2,51	2,81	3,76	131,733
59	59	54	STERR	26,54	4,16	26,87	8,904
59	59	69	STERR	21,35	4,16	21,75	11,022
59	59	70	STERR	21,35	7,96	22,78	20,45
59	59	55	STERR	26,54	7,96	27,71	16,696
59	59	54	SSOVRdx	-6,62	-0,12	6,62	-178,956
59	59	69	SSOVRdx	-7,95	-0,12	7,95	-179,131
59	59	70	SSOVRdx	-7,95	0,51	7,97	176,311
59	59	55	SSOVRdx	-6,62	0,51	6,64	175,571
59	59	54	SSOVRsx	20,12	-0,59	20,12	-1,683
59	59	69	SSOVRsx	18,91	-0,59	18,92	-1,79
59	59	70	SSOVRsx	18,91	-0,64	18,92	-1,953
59	59	55	SSOVRsx	20,12	-0,64	20,13	-1,836
59	59	54	SW2	-31,51	22,24	38,57	144,789
59	59	69	SW2	-28,82	22,24	36,4	142,346
59	59	70	SW2	-28,82	35,33	45,59	129,208
59	59	55	SW2	-31,51	35,33	47,34	131,733
60	60	55	DEAD	-1,46	2,84	3,19	117,291
60	60	70	DEAD	-1,89	2,84	3,41	123,612
60	60	71	DEAD	-1,89	1,18	2,22	148,08
60	60	56	DEAD	-1,46	1,18	1,88	141,252
60	60	55	STERR	2,68	2,85	3,91	46,72
60	60	70	STERR	4,61	2,85	5,42	31,73
60	60	71	STERR	4,61	0,91	4,7	11,126
60	60	56	STERR	2,68	0,91	2,83	18,663
60	60	55	SSOVRdx	-1,08	3,06	3,25	109,428
60	60	70	SSOVRdx	-6,15	3,06	6,87	153,524
60	60	71	SSOVRdx	-6,15	5,29	8,12	139,291
60	60	56	SSOVRdx	-1,08	5,29	5,4	101,539
60	60	55	SSOVRsx	3,64	-4,97	6,16	-53,767
60	60	70	SSOVRsx	9,45	-4,97	10,68	-27,715
60	60	71	SSOVRsx	9,45	-5,5	10,94	-30,218
60	60	56	SSOVRsx	3,64	-5,5	6,6	-56,538
60	60	55	SW2	-18,43	35,71	40,19	117,291
60	60	70	SW2	-23,74	35,71	42,88	123,612
60	60	71	SW2	-23,74	14,79	27,97	148,08
60	60	56	SW2	-18,43	14,79	23,63	141,252
61	61	57	DEAD	7,67	0,28	7,68	2,122
61	61	73	DEAD	8,96	0,28	8,96	1,818
61	61	74	DEAD	8,96	-0,52	8,97	-3,336
61	61	58	DEAD	7,67	-0,52	7,69	-3,891
61	61	57	STERR	-110,27	18,1	111,75	170,677
61	61	73	STERR	-101,52	18,1	103,12	169,888
61	61	74	STERR	-101,52	11,78	102,2	173,38
61	61	58	STERR	-110,27	11,78	110,9	173,901
61	61	57	SSOVRdx	-66,04	-2,47	66,09	-177,855

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
61	61	73	SSOVRdx	-67	-2,47	67,04	-177,886
61	61	74	SSOVRdx	-67	-2,65	67,05	-177,739
61	61	58	SSOVRdx	-66,04	-2,65	66,09	-177,706
61	61	57	SSOVRsx	8,94	9,09	12,75	45,497
61	61	73	SSOVRsx	11,78	9,09	14,88	37,676
61	61	74	SSOVRsx	11,78	8,02	14,25	34,24
61	61	58	SSOVRsx	8,94	8,02	12,01	41,886
61	61	57	SW2	96,53	3,58	96,6	2,122
61	61	73	SW2	112,66	3,58	112,71	1,818
61	61	74	SW2	112,66	-6,57	112,85	-3,336
61	61	58	SW2	96,53	-6,57	96,76	-3,891
62	62	58	DEAD	5,85	-1,19	5,97	-11,49
62	62	74	DEAD	6,26	-1,19	6,37	-10,761
62	62	75	DEAD	6,26	-2,06	6,59	-18,216
62	62	59	DEAD	5,85	-2,06	6,2	-19,391
62	62	58	STERR	-71,21	5,96	71,46	175,216
62	62	74	STERR	-66,13	5,96	66,4	174,85
62	62	75	STERR	-66,13	2,21	66,17	178,088
62	62	59	STERR	-71,21	2,21	71,25	178,224
62	62	58	SSOVRdx	-46,63	-1,68	46,66	-177,931
62	62	74	SSOVRdx	-47,78	-1,68	47,81	-177,981
62	62	75	SSOVRdx	-47,78	-1,61	47,81	-178,067
62	62	59	SSOVRdx	-46,63	-1,61	46,66	-178,019
62	62	58	SSOVRsx	10,1	5,66	11,58	29,261
62	62	74	SSOVRsx	12,74	5,66	13,94	23,942
62	62	75	SSOVRsx	12,74	4,74	13,6	20,402
62	62	59	SSOVRsx	10,1	4,74	11,16	25,142
62	62	58	SW2	73,57	-14,95	75,07	-11,49
62	62	74	SW2	78,68	-14,95	80,09	-10,761
62	62	75	SW2	78,68	-25,9	82,84	-18,216
62	62	59	SW2	73,57	-25,9	77,99	-19,391
63	63	59	DEAD	4,5	-2,17	5	-25,751
63	63	75	DEAD	4,32	-2,17	4,84	-26,681
63	63	76	DEAD	4,32	-2,51	5	-30,145
63	63	60	DEAD	4,5	-2,51	5,16	-29,137
63	63	59	STERR	-51,14	0,14	51,14	179,84
63	63	75	STERR	-48,33	0,14	48,34	179,83
63	63	76	STERR	-48,33	-2,2	48,39	-177,392
63	63	60	STERR	-51,14	-2,2	51,19	-177,535
63	63	59	SSOVRdx	-35,86	-0,94	35,88	-178,499
63	63	75	SSOVRdx	-38,68	-0,94	38,69	-178,608
63	63	76	SSOVRdx	-38,68	-0,68	38,68	-178,992
63	63	60	SSOVRdx	-35,86	-0,68	35,87	-178,913
63	63	59	SSOVRsx	9,69	3,42	10,27	19,443
63	63	75	SSOVRsx	13,45	3,42	13,88	14,264
63	63	76	SSOVRsx	13,45	2,34	13,65	9,875
63	63	60	SSOVRsx	9,69	2,34	9,96	13,588
63	63	59	SW2	56,64	-27,32	62,89	-25,751
63	63	75	SW2	54,37	-27,32	60,85	-26,681
63	63	76	SW2	54,37	-31,57	62,87	-30,145
63	63	60	SW2	56,64	-31,57	64,85	-29,137
64	64	60	DEAD	3,51	-2,45	4,29	-34,927
64	64	76	DEAD	3,51	-2,45	4,29	-34,926
64	64	77	DEAD	3,51	-2,83	4,52	-38,881
64	64	61	DEAD	3,51	-2,83	4,52	-38,882
64	64	60	STERR	-39,09	-3,08	39,21	-175,501
64	64	76	STERR	-36,99	-3,08	37,11	-175,247
64	64	77	STERR	-36,99	-5,42	37,38	-171,665
64	64	61	STERR	-39,09	-5,42	39,46	-172,107
64	64	60	SSOVRdx	-28,97	-0,72	28,98	-178,573
64	64	76	SSOVRdx	-31,88	-0,72	31,89	-178,704
64	64	77	SSOVRdx	-31,88	-0,63	31,89	-178,865
64	64	61	SSOVRdx	-28,97	-0,63	28,98	-178,75
64	64	60	SSOVRsx	9,06	2,03	9,29	12,644
64	64	76	SSOVRsx	12,84	2,03	13	9
64	64	77	SSOVRsx	12,84	1,1	12,88	4,903
64	64	61	SSOVRsx	9,06	1,1	9,13	6,928
64	64	60	SW2	44,21	-30,87	53,92	-34,927
64	64	76	SW2	44,21	-30,87	53,92	-34,926
64	64	77	SW2	44,21	-35,65	56,79	-38,881

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
64	64	61	SW2	44,21	-35,65	56,79	-38,882
65	65	61	DEAD	2,42	-2,58	3,54	-46,749
65	65	77	DEAD	2,26	-2,58	3,43	-48,71
65	65	78	DEAD	2,26	-2,98	3,74	-52,789
65	65	62	DEAD	2,42	-2,98	3,84	-50,875
65	65	61	STERR	-21,07	-6,8	22,14	-162,121
65	65	77	STERR	-20,02	-6,8	21,14	-161,246
65	65	78	STERR	-20,02	-8,95	21,93	-155,899
65	65	62	STERR	-21,07	-8,95	22,89	-156,973
65	65	61	SSOVRdx	-18,9	-0,13	18,9	-179,616
65	65	77	SSOVRdx	-19,94	-0,13	19,94	-179,636
65	65	78	SSOVRdx	-19,94	-0,00298	19,94	-179,991
65	65	62	SSOVRdx	-18,9	-0,00298	18,9	-179,991
65	65	61	SSOVRsx	7,95	-0,24	7,95	-1,715
65	65	77	SSOVRsx	9,84	-0,24	9,85	-1,385
65	65	78	SSOVRsx	9,84	-1,33	9,93	-7,68
65	65	62	SSOVRsx	7,95	-1,33	8,06	-9,478
65	65	61	SW2	30,5	-32,42	44,51	-46,749
65	65	77	SW2	28,47	-32,42	43,15	-48,71
65	65	78	SW2	28,47	-37,5	47,08	-52,789
65	65	62	SW2	30,5	-37,5	48,34	-50,875
66	66	62	DEAD	1,63	-2,91	3,33	-60,642
66	66	78	DEAD	1,46	-2,91	3,25	-63,306
66	66	79	DEAD	1,46	-1,9	2,4	-52,401
66	66	63	DEAD	1,63	-1,9	2,5	-49,255
66	66	62	STERR	-4,97	-10,17	11,32	-116,052
66	66	78	STERR	-3,72	-10,17	10,83	-110,088
66	66	79	STERR	-3,72	-9,65	10,35	-111,074
66	66	63	STERR	-4,97	-9,65	10,86	-117,254
66	66	62	SSOVRdx	-9,31	1,2	9,39	172,628
66	66	78	SSOVRdx	-9,07	1,2	9,15	172,437
66	66	79	SSOVRdx	-9,07	0,68	9,1	175,682
66	66	63	SSOVRdx	-9,31	0,68	9,33	175,792
66	66	62	SSOVRsx	6,12	-3,51	7,06	-29,811
66	66	78	SSOVRsx	7,02	-3,51	7,84	-26,573
66	66	79	SSOVRsx	7,02	-3,56	7,87	-26,876
66	66	63	SSOVRsx	6,12	-3,56	7,08	-30,138
66	66	62	SW2	20,56	-36,56	41,95	-60,642
66	66	78	SW2	18,38	-36,56	40,92	-63,306
66	66	79	SW2	18,38	-23,87	30,13	-52,401
66	66	63	SW2	20,56	-23,87	31,51	-49,255
67	67	63	DEAD	1,57	-2,09	2,61	-53,026
67	67	79	DEAD	1,28	-2,09	2,45	-58,577
67	67	80	DEAD	1,28	-0,93	1,58	-36,131
67	67	64	DEAD	1,57	-0,93	1,83	-30,646
67	67	63	STERR	-1,15	-9,41	9,48	-96,954
67	67	79	STERR	5,68	-9,41	10,99	-58,87
67	67	80	STERR	5,68	-9,76	11,3	-59,789
67	67	64	STERR	-1,15	-9,76	9,83	-96,706
67	67	63	SSOVRdx	-6,13	2,6	6,66	156,982
67	67	79	SSOVRdx	-4,78	2,6	5,45	151,435
67	67	80	SSOVRdx	-4,78	1,27	4,95	165,093
67	67	64	SSOVRdx	-6,13	1,27	6,26	168,264
67	67	63	SSOVRsx	4,89	-5,63	7,46	-49,034
67	67	79	SSOVRsx	7,02	-5,63	9	-38,744
67	67	80	SSOVRsx	7,02	-6,47	9,55	-42,678
67	67	64	SSOVRsx	4,89	-6,47	8,11	-52,926
67	67	63	SW2	19,78	-26,27	32,88	-53,026
67	67	79	SW2	16,05	-26,27	30,79	-58,577
67	67	80	SW2	16,05	-11,72	19,87	-36,131
67	67	64	SW2	19,78	-11,72	22,99	-30,646
68	68	65	DEAD	-7,67	-0,28	7,68	-177,878
68	68	82	DEAD	-8,96	-0,28	8,96	-178,182
68	68	83	DEAD	-8,96	0,52	8,97	176,664
68	68	66	DEAD	-7,67	0,52	7,69	176,109
68	68	65	STERR	110,27	-18,1	111,75	-9,323
68	68	82	STERR	101,52	-18,1	103,12	-10,112
68	68	83	STERR	101,52	-11,78	102,2	-6,62
68	68	66	STERR	110,27	-11,78	110,9	-6,099
68	68	65	SSOVRdx	-8,94	-9,09	12,75	-134,503

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
68	68	82	SSOVRdx	-11,78	-9,09	14,88	-142,324
68	68	83	SSOVRdx	-11,78	-8,02	14,25	-145,76
68	68	66	SSOVRdx	-8,94	-8,02	12,01	-138,114
68	68	65	SSOVRsx	66,04	2,47	66,09	2,145
68	68	82	SSOVRsx	67	2,47	67,04	2,114
68	68	83	SSOVRsx	67	2,65	67,05	2,261
68	68	66	SSOVRsx	66,04	2,65	66,09	2,294
68	68	65	SW2	-96,53	-3,58	96,6	-177,878
68	68	82	SW2	-112,66	-3,58	112,71	-178,182
68	68	83	SW2	-112,66	6,57	112,85	176,664
68	68	66	SW2	-96,53	6,57	96,76	176,109
69	69	66	DEAD	-5,85	1,19	5,97	168,51
69	69	83	DEAD	-6,26	1,19	6,37	169,239
69	69	84	DEAD	-6,26	2,06	6,59	161,784
69	69	67	DEAD	-5,85	2,06	6,2	160,609
69	69	66	STERR	71,21	-5,96	71,46	-4,784
69	69	83	STERR	66,13	-5,96	66,4	-5,15
69	69	84	STERR	66,13	-2,21	66,17	-1,912
69	69	67	STERR	71,21	-2,21	71,25	-1,776
69	69	66	SSOVRdx	-10,1	-5,66	11,58	-150,739
69	69	83	SSOVRdx	-12,74	-5,66	13,94	-156,058
69	69	84	SSOVRdx	-12,74	-4,74	13,6	-159,598
69	69	67	SSOVRdx	-10,1	-4,74	11,16	-154,858
69	69	66	SSOVRsx	46,63	1,68	46,66	2,069
69	69	83	SSOVRsx	47,78	1,68	47,81	2,019
69	69	84	SSOVRsx	47,78	1,61	47,81	1,933
69	69	67	SSOVRsx	46,63	1,61	46,66	1,981
69	69	66	SW2	-73,57	14,95	75,07	168,51
69	69	83	SW2	-78,68	14,95	80,09	169,239
69	69	84	SW2	-78,68	25,9	82,84	161,784
69	69	67	SW2	-73,57	25,9	77,99	160,609
70	70	67	DEAD	-4,5	2,17	5	154,249
70	70	84	DEAD	-4,32	2,17	4,84	153,319
70	70	85	DEAD	-4,32	2,51	5	149,855
70	70	68	DEAD	-4,5	2,51	5,16	150,863
70	70	67	STERR	51,14	-0,14	51,14	-0,16
70	70	84	STERR	48,33	-0,14	48,34	-0,17
70	70	85	STERR	48,33	2,2	48,39	2,608
70	70	68	STERR	51,14	2,2	51,19	2,465
70	70	67	SSOVRdx	-9,69	-3,42	10,27	-160,557
70	70	84	SSOVRdx	-13,45	-3,42	13,88	-165,736
70	70	85	SSOVRdx	-13,45	-2,34	13,65	-170,125
70	70	68	SSOVRdx	-9,69	-2,34	9,96	-166,412
70	70	67	SSOVRsx	35,86	0,94	35,88	1,501
70	70	84	SSOVRsx	38,68	0,94	38,69	1,392
70	70	85	SSOVRsx	38,68	0,68	38,68	1,008
70	70	68	SSOVRsx	35,86	0,68	35,87	1,087
70	70	67	SW2	-56,64	27,32	62,89	154,249
70	70	84	SW2	-54,37	27,32	60,85	153,319
70	70	85	SW2	-54,37	31,57	62,87	149,855
70	70	68	SW2	-56,64	31,57	64,85	150,863
71	71	68	DEAD	-3,51	2,45	4,29	145,073
71	71	85	DEAD	-3,51	2,45	4,29	145,074
71	71	86	DEAD	-3,51	2,83	4,52	141,119
71	71	69	DEAD	-3,51	2,83	4,52	141,118
71	71	68	STERR	39,09	3,08	39,21	4,499
71	71	85	STERR	36,99	3,08	37,11	4,753
71	71	86	STERR	36,99	5,42	37,38	8,335
71	71	69	STERR	39,09	5,42	39,46	7,893
71	71	68	SSOVRdx	-9,06	-2,03	9,29	-167,356
71	71	85	SSOVRdx	-12,84	-2,03	13	-171
71	71	86	SSOVRdx	-12,84	-1,1	12,88	-175,097
71	71	69	SSOVRdx	-9,06	-1,1	9,13	-173,072
71	71	68	SSOVRsx	28,97	0,72	28,98	1,427
71	71	85	SSOVRsx	31,88	0,72	31,89	1,296
71	71	86	SSOVRsx	31,88	0,63	31,89	1,135
71	71	69	SSOVRsx	28,97	0,63	28,98	1,25
71	71	68	SW2	-44,21	30,87	53,92	145,073
71	71	85	SW2	-44,21	30,87	53,92	145,074
71	71	86	SW2	-44,21	35,65	56,79	141,119

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
71	71	69	SW2	-44,21	35,65	56,79	141,118
72	72	69	DEAD	-2,42	2,58	3,54	133,251
72	72	86	DEAD	-2,26	2,58	3,43	131,29
72	72	87	DEAD	-2,26	2,98	3,74	127,211
72	72	70	DEAD	-2,42	2,98	3,84	129,125
72	72	69	STERR	21,07	6,8	22,14	17,879
72	72	86	STERR	20,02	6,8	21,14	18,754
72	72	87	STERR	20,02	8,95	21,93	24,101
72	72	70	STERR	21,07	8,95	22,89	23,027
72	72	69	SSOVRdx	-7,95	0,24	7,95	178,285
72	72	86	SSOVRdx	-9,84	0,24	9,85	178,615
72	72	87	SSOVRdx	-9,84	1,33	9,93	172,32
72	72	70	SSOVRdx	-7,95	1,33	8,06	170,522
72	72	69	SSOVRsx	18,9	0,13	18,9	0,384
72	72	86	SSOVRsx	19,94	0,13	19,94	0,364
72	72	87	SSOVRsx	19,94	0,00298	19,94	0,008565
72	72	70	SSOVRsx	18,9	0,00298	18,9	0,009034
72	72	69	SW2	-30,5	32,42	44,51	133,251
72	72	86	SW2	-28,47	32,42	43,15	131,29
72	72	87	SW2	-28,47	37,5	47,08	127,211
72	72	70	SW2	-30,5	37,5	48,34	129,125
73	73	70	DEAD	-1,63	2,91	3,33	119,358
73	73	87	DEAD	-1,46	2,91	3,25	116,694
73	73	88	DEAD	-1,46	1,9	2,4	127,599
73	73	71	DEAD	-1,63	1,9	2,5	130,745
73	73	70	STERR	4,97	10,17	11,32	63,948
73	73	87	STERR	3,72	10,17	10,83	69,912
73	73	88	STERR	3,72	9,65	10,35	68,926
73	73	71	STERR	4,97	9,65	10,86	62,746
73	73	70	SSOVRdx	-6,12	3,51	7,06	150,189
73	73	87	SSOVRdx	-7,02	3,51	7,84	153,427
73	73	88	SSOVRdx	-7,02	3,56	7,87	153,124
73	73	71	SSOVRdx	-6,12	3,56	7,08	149,862
73	73	70	SSOVRsx	9,31	-1,2	9,39	-7,372
73	73	87	SSOVRsx	9,07	-1,2	9,15	-7,563
73	73	88	SSOVRsx	9,07	-0,68	9,1	-4,318
73	73	71	SSOVRsx	9,31	-0,68	9,33	-4,208
73	73	70	SW2	-20,56	36,56	41,95	119,358
73	73	87	SW2	-18,38	36,56	40,92	116,694
73	73	88	SW2	-18,38	23,87	30,13	127,599
73	73	71	SW2	-20,56	23,87	31,51	130,745
74	74	71	DEAD	-1,57	2,09	2,61	126,974
74	74	88	DEAD	-1,28	2,09	2,45	121,423
74	74	89	DEAD	-1,28	0,93	1,58	143,869
74	74	72	DEAD	-1,57	0,93	1,83	149,354
74	74	71	STERR	1,15	9,41	9,48	83,046
74	74	88	STERR	-5,68	9,41	10,99	121,13
74	74	89	STERR	-5,68	9,76	11,3	120,211
74	74	72	STERR	1,15	9,76	9,83	83,294
74	74	71	SSOVRdx	-4,89	5,63	7,46	130,966
74	74	88	SSOVRdx	-7,02	5,63	9	141,256
74	74	89	SSOVRdx	-7,02	6,47	9,55	137,322
74	74	72	SSOVRdx	-4,89	6,47	8,11	127,074
74	74	71	SSOVRsx	6,13	-2,6	6,66	-23,018
74	74	88	SSOVRsx	4,78	-2,6	5,45	-28,565
74	74	89	SSOVRsx	4,78	-1,27	4,95	-14,907
74	74	72	SSOVRsx	6,13	-1,27	6,26	-11,736
74	74	71	SW2	-19,78	26,27	32,88	126,974
74	74	88	SW2	-16,05	26,27	30,79	121,423
74	74	89	SW2	-16,05	11,72	19,87	143,869
74	74	72	SW2	-19,78	11,72	22,99	149,354
75	75	100	DEAD	-2,72	0,69	2,8	165,661
75	75	120	DEAD	-2,72	0,69	2,8	165,661
75	75	121	DEAD	-2,72	0,69	2,8	165,661
75	75	100	STERR	-0,23	-10,64	10,64	-91,252
75	75	120	STERR	-0,23	-10,64	10,64	-91,252
75	75	121	STERR	-0,23	-10,64	10,64	-91,252
75	75	100	SSOVRdx	0,37	-5,48	5,49	-86,151
75	75	120	SSOVRdx	0,37	-5,48	5,49	-86,151
75	75	121	SSOVRdx	0,37	-5,48	5,49	-86,151

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
75	75	100	SSOVRsx	-0,67	-0,84	1,08	-128,448
75	75	120	SSOVRsx	-0,67	-0,84	1,08	-128,448
75	75	121	SSOVRsx	-0,67	-0,84	1,08	-128,448
75	75	100	SW2	-34,18	8,74	35,28	165,661
75	75	120	SW2	-34,18	8,74	35,28	165,661
75	75	121	SW2	-34,18	8,74	35,28	165,661
76	76	110	DEAD	2,72	-0,69	2,8	-14,339
76	76	131	DEAD	2,72	-0,69	2,8	-14,339
76	76	132	DEAD	2,72	-0,69	2,8	-14,339
76	76	110	STERR	0,23	10,64	10,64	88,748
76	76	131	STERR	0,23	10,64	10,64	88,748
76	76	132	STERR	0,23	10,64	10,64	88,748
76	76	110	SSOVRdx	0,67	0,84	1,08	51,552
76	76	131	SSOVRdx	0,67	0,84	1,08	51,552
76	76	132	SSOVRdx	0,67	0,84	1,08	51,552
76	76	110	SSOVRsx	-0,37	5,48	5,49	93,849
76	76	131	SSOVRsx	-0,37	5,48	5,49	93,849
76	76	132	SSOVRsx	-0,37	5,48	5,49	93,849
76	76	110	SW2	34,18	-8,74	35,28	-14,339
76	76	131	SW2	34,18	-8,74	35,28	-14,339
76	76	132	SW2	34,18	-8,74	35,28	-14,339
77	77	73	DEAD	9,29	-0,44	9,3	-2,686
77	77	91	DEAD	12,53	-0,44	12,54	-1,992
77	77	92	DEAD	12,53	-2,6	12,8	-11,717
77	77	74	DEAD	9,29	-2,6	9,65	-15,629
77	77	73	STERR	-101,17	23,37	103,83	166,993
77	77	91	STERR	-73,78	23,37	77,39	162,426
77	77	92	STERR	-73,78	15,85	75,46	167,878
77	77	74	STERR	-101,17	15,85	102,4	171,097
77	77	73	SSOVRdx	-66,82	-0,01153	66,82	-179,99
77	77	91	SSOVRdx	-67,78	-0,01153	67,78	-179,99
77	77	92	SSOVRdx	-67,78	-0,97	67,79	-179,177
77	77	74	SSOVRdx	-66,82	-0,97	66,82	-179,165
77	77	73	SSOVRsx	11,59	10,16	15,41	41,227
77	77	91	SSOVRsx	21,71	10,16	23,96	25,076
77	77	92	SSOVRsx	21,71	8,84	23,44	22,169
77	77	74	SSOVRsx	11,59	8,84	14,58	37,345
77	77	73	SW2	116,86	-5,48	116,99	-2,686
77	77	91	SW2	157,63	-5,48	157,72	-1,992
77	77	92	SW2	157,63	-32,69	160,98	-11,717
77	77	74	SW2	116,86	-32,69	121,35	-15,629
78	78	74	DEAD	6,54	-3,25	7,31	-26,427
78	78	92	DEAD	6,59	-3,25	7,35	-26,253
78	78	93	DEAD	6,59	-4,03	7,73	-31,417
78	78	75	DEAD	6,54	-4,03	7,68	-31,611
78	78	74	STERR	-64,85	7,84	65,32	173,108
78	78	92	STERR	-47,66	7,84	48,3	170,66
78	78	93	STERR	-47,66	3,03	47,75	176,364
78	78	75	STERR	-64,85	3,03	64,92	177,327
78	78	74	SSOVRdx	-47,56	-0,74	47,57	-179,112
78	78	92	SSOVRdx	-47,77	-0,74	47,78	-179,116
78	78	93	SSOVRdx	-47,77	-0,87	47,78	-178,954
78	78	75	SSOVRdx	-47,56	-0,87	47,57	-178,949
78	78	74	SSOVRsx	12,98	5,75	14,19	23,891
78	78	92	SSOVRsx	20,03	5,75	20,84	16,01
78	78	93	SSOVRsx	20,03	4,23	20,47	11,922
78	78	75	SSOVRsx	12,98	4,23	13,65	18,053
78	78	74	SW2	82,31	-40,91	91,91	-26,427
78	78	92	SW2	82,94	-40,91	92,48	-26,253
78	78	93	SW2	82,94	-50,66	97,19	-31,417
78	78	75	SW2	82,31	-50,66	96,65	-31,611
79	79	75	DEAD	4,59	-3,88	6,01	-40,259
79	79	93	DEAD	4,38	-3,88	5,86	-41,53
79	79	94	DEAD	4,38	-4,2	6,07	-43,761
79	79	76	DEAD	4,59	-4,2	6,22	-42,479
79	79	75	STERR	-46,8	-0,05183	46,8	-179,937
79	79	93	STERR	-35,05	-0,05183	35,05	-179,915
79	79	94	STERR	-35,05	-3,41	35,22	-174,44
79	79	76	STERR	-46,8	-3,41	46,93	-175,83
79	79	75	SSOVRdx	-38,52	-0,92	38,53	-178,63

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
79	79	93	SSOVRdx	-33,79	-0,92	33,8	-178,439
79	79	94	SSOVRdx	-33,79	-1,35	33,82	-177,711
79	79	76	SSOVRdx	-38,52	-1,35	38,54	-177,992
79	79	75	SSOVRsx	13,92	3,02	14,25	12,228
79	79	93	SSOVRsx	14,38	3,02	14,69	11,85
79	79	94	SSOVRsx	14,38	1,96	14,51	7,756
79	79	76	SSOVRsx	13,92	1,96	14,06	8,008
79	79	75	SW2	57,68	-48,84	75,58	-40,259
79	79	93	SW2	55,15	-48,84	73,67	-41,53
79	79	94	SW2	55,15	-52,81	76,36	-43,761
79	79	76	SW2	57,68	-52,81	78,2	-42,479
80	80	76	DEAD	3,81	-3,99	5,51	-46,305
80	80	94	DEAD	2,07	-3,99	4,49	-62,537
80	80	95	DEAD	2,07	-4,33	4,8	-64,431
80	80	77	DEAD	3,81	-4,33	5,77	-48,667
80	80	76	STERR	-35,34	-4,84	35,67	-172,203
80	80	94	STERR	-26,86	-4,84	27,3	-169,787
80	80	95	STERR	-26,86	-8,04	28,04	-163,343
80	80	77	STERR	-35,34	-8,04	36,25	-167,188
80	80	76	SSOVRdx	-31,58	-0,5	31,58	-179,084
80	80	94	SSOVRdx	-27,35	-0,5	27,36	-178,943
80	80	95	SSOVRdx	-27,35	-1,1	27,38	-177,702
80	80	77	SSOVRdx	-31,58	-1,1	31,6	-178,009
80	80	76	SSOVRsx	13,31	0,5	13,31	2,157
80	80	94	SSOVRsx	13,08	0,5	13,09	2,195
80	80	95	SSOVRsx	13,08	-0,51	13,09	-2,23
80	80	77	SSOVRsx	13,31	-0,51	13,32	-2,192
80	80	76	SW2	47,92	-50,15	69,36	-46,305
80	80	94	SW2	26,07	-50,15	56,52	-62,537
80	80	95	SW2	26,07	-54,48	60,4	-64,431
80	80	77	SW2	47,92	-54,48	72,56	-48,667
81	81	77	DEAD	2,44	-3,82	4,54	-57,447
81	81	95	DEAD	0,66	-3,82	3,88	-80,154
81	81	96	DEAD	0,66	-4,49	4,53	-81,587
81	81	78	DEAD	2,44	-4,49	5,11	-61,454
81	81	77	STERR	-19,03	-9,6	21,31	-153,23
81	81	95	STERR	-13,07	-9,6	16,22	-143,704
81	81	96	STERR	-13,07	-15,55	20,32	-130,038
81	81	78	STERR	-19,03	-15,55	24,58	-140,735
81	81	77	SSOVRdx	-19,45	-0,64	19,46	-178,103
81	81	95	SSOVRdx	-21,05	-0,64	21,06	-178,248
81	81	96	SSOVRdx	-21,05	-2,84	21,24	-172,317
81	81	78	SSOVRdx	-19,45	-2,84	19,66	-171,694
81	81	77	SSOVRsx	9,86	-1,89	10,04	-10,829
81	81	95	SSOVRsx	15,31	-1,89	15,43	-7,025
81	81	96	SSOVRsx	15,31	-3,08	15,62	-11,366
81	81	78	SSOVRsx	9,86	-3,08	10,33	-17,33
81	81	77	SW2	30,69	-48,08	57,05	-57,447
81	81	95	SW2	8,34	-48,08	48,8	-80,154
81	81	96	SW2	8,34	-56,42	57,04	-81,587
81	81	78	SW2	30,69	-56,42	64,23	-61,454
82	82	78	DEAD	1,06	-4,28	4,41	-76,111
82	82	96	DEAD	1,75	-4,28	4,63	-67,717
82	82	97	DEAD	1,75	-2,41	2,98	-53,892
82	82	79	DEAD	1,06	-2,41	2,63	-66,245
82	82	78	STERR	-4,17	-18,25	18,72	-102,873
82	82	96	STERR	2,12	-18,25	18,37	-83,384
82	82	97	STERR	2,12	-16,28	16,42	-82,592
82	82	79	STERR	-4,17	-16,28	16,81	-104,37
82	82	78	SSOVRdx	-8,92	-2,59	9,29	-163,803
82	82	96	SSOVRdx	-8,75	-2,59	9,13	-163,505
82	82	97	SSOVRdx	-8,75	-2,66	9,15	-163,094
82	82	79	SSOVRdx	-8,92	-2,66	9,31	-163,399
82	82	78	SSOVRsx	6,67	-5,36	8,55	-38,807
82	82	96	SSOVRsx	11,72	-5,36	12,89	-24,578
82	82	97	SSOVRsx	11,72	-4,36	12,51	-20,423
82	82	79	SSOVRsx	6,67	-4,36	7,97	-33,214
82	82	78	SW2	13,32	-53,86	55,48	-76,111
82	82	96	SW2	22,07	-53,86	58,21	-67,717
82	82	97	SW2	22,07	-30,26	37,45	-53,892

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
82	82	79	SW2	13,32	-30,26	33,06	-66,245
83	83	79	DEAD	0,63	-2,64	2,72	-76,624
83	83	97	DEAD	1,41	-2,64	3	-61,885
83	83	98	DEAD	1,41	-2,08	2,51	-55,83
83	83	80	DEAD	0,63	-2,08	2,17	-73,19
83	83	79	STERR	2,38	-18,33	18,48	-82,594
83	83	97	STERR	6,51	-18,33	19,45	-70,434
83	83	98	STERR	6,51	-17,58	18,75	-69,673
83	83	80	STERR	2,38	-17,58	17,75	-82,284
83	83	79	SSOVRdx	-6,31	-3,2	7,08	-153,15
83	83	97	SSOVRdx	1,81	-3,2	3,67	-60,457
83	83	98	SSOVRdx	1,81	-2,98	3,48	-58,663
83	83	80	SSOVRdx	-6,31	-2,98	6,98	-154,771
83	83	79	SSOVRsx	7,29	-5,39	9,07	-36,466
83	83	97	SSOVRsx	2,5	-5,39	5,94	-65,089
83	83	98	SSOVRsx	2,5	-5,42	5,97	-65,225
83	83	80	SSOVRsx	7,29	-5,42	9,09	-36,637
83	83	79	SW2	7,91	-33,25	34,18	-76,624
83	83	97	SW2	17,77	-33,25	37,7	-61,885
83	83	98	SW2	17,77	-26,17	31,63	-55,83
83	83	80	SW2	7,91	-26,17	27,34	-73,19
84	84	80	DEAD	0,35	-2,24	2,27	-81,191
84	84	98	DEAD	0,02942	-2,24	2,24	-89,248
84	84	99	DEAD	0,02942	-0,62	0,62	-87,267
84	84	81	DEAD	0,35	-0,62	0,71	-60,594
84	84	80	STERR	6,24	-18,31	19,34	-71,186
84	84	98	STERR	9,46	-18,31	20,61	-62,665
84	84	99	STERR	9,46	-10,65	14,24	-48,366
84	84	81	STERR	6,24	-10,65	12,34	-59,634
84	84	80	SSOVRdx	-0,98	-2	2,22	-116,08
84	84	98	SSOVRdx	4,4	-2	4,83	-24,4
84	84	99	SSOVRdx	4,4	-0,05372	4,4	-0,7
84	84	81	SSOVRdx	-0,98	-0,05372	0,98	-176,852
84	84	80	SSOVRsx	4,34	-6,78	8,05	-57,348
84	84	98	SSOVRsx	0,74	-6,78	6,82	-83,777
84	84	99	SSOVRsx	0,74	-5,88	5,93	-82,833
84	84	81	SSOVRsx	4,34	-5,88	7,31	-53,539
84	84	80	SW2	4,37	-28,19	28,52	-81,191
84	84	98	SW2	0,37	-28,19	28,19	-89,248
84	84	99	SW2	0,37	-7,75	7,76	-87,267
84	84	81	SW2	4,37	-7,75	8,9	-60,594
85	85	82	DEAD	-9,29	0,44	9,3	177,314
85	85	101	DEAD	-12,53	0,44	12,54	178,008
85	85	102	DEAD	-12,53	2,6	12,8	168,283
85	85	83	DEAD	-9,29	2,6	9,65	164,371
85	85	82	STERR	101,17	-23,37	103,83	-13,007
85	85	101	STERR	73,78	-23,37	77,39	-17,574
85	85	102	STERR	73,78	-15,85	75,46	-12,122
85	85	83	STERR	101,17	-15,85	102,4	-8,903
85	85	82	SSOVRdx	-11,59	-10,16	15,41	-138,773
85	85	101	SSOVRdx	-21,71	-10,16	23,96	-154,924
85	85	102	SSOVRdx	-21,71	-8,84	23,44	-157,831
85	85	83	SSOVRdx	-11,59	-8,84	14,58	-142,655
85	85	82	SSOVRsx	66,82	0,01153	66,82	0,009887
85	85	101	SSOVRsx	67,78	0,01153	67,78	0,009746
85	85	102	SSOVRsx	67,78	0,97	67,79	0,823
85	85	83	SSOVRsx	66,82	0,97	66,82	0,835
85	85	82	SW2	-116,86	5,48	116,99	177,314
85	85	101	SW2	-157,63	5,48	157,72	178,008
85	85	102	SW2	-157,63	32,69	160,98	168,283
85	85	83	SW2	-116,86	32,69	121,35	164,371
86	86	83	DEAD	-6,54	3,25	7,31	153,573
86	86	102	DEAD	-6,59	3,25	7,35	153,747
86	86	103	DEAD	-6,59	4,03	7,73	148,583
86	86	84	DEAD	-6,54	4,03	7,68	148,389
86	86	83	STERR	64,85	-7,84	65,32	-6,892
86	86	102	STERR	47,66	-7,84	48,3	-9,34
86	86	103	STERR	47,66	-3,03	47,75	-3,636
86	86	84	STERR	64,85	-3,03	64,92	-2,673
86	86	83	SSOVRdx	-12,98	-5,75	14,19	-156,109

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
86	86	102	SSOVRdx	-20,03	-5,75	20,84	-163,99
86	86	103	SSOVRdx	-20,03	-4,23	20,47	-168,078
86	86	84	SSOVRdx	-12,98	-4,23	13,65	-161,947
86	86	83	SSOVRsx	47,56	0,74	47,57	0,888
86	86	102	SSOVRsx	47,77	0,74	47,78	0,884
86	86	103	SSOVRsx	47,77	0,87	47,78	1,046
86	86	84	SSOVRsx	47,56	0,87	47,57	1,051
86	86	83	SW2	-82,31	40,91	91,91	153,573
86	86	102	SW2	-82,94	40,91	92,48	153,747
86	86	103	SW2	-82,94	50,66	97,19	148,583
86	86	84	SW2	-82,31	50,66	96,65	148,389
87	87	84	DEAD	-4,59	3,88	6,01	139,741
87	87	103	DEAD	-4,38	3,88	5,86	138,47
87	87	104	DEAD	-4,38	4,2	6,07	136,239
87	87	85	DEAD	-4,59	4,2	6,22	137,521
87	87	84	STERR	46,8	0,05183	46,8	0,063
87	87	103	STERR	35,05	0,05183	35,05	0,085
87	87	104	STERR	35,05	3,41	35,22	5,56
87	87	85	STERR	46,8	3,41	46,93	4,17
87	87	84	SSOVRdx	-13,92	-3,02	14,25	-167,772
87	87	103	SSOVRdx	-14,38	-3,02	14,69	-168,15
87	87	104	SSOVRdx	-14,38	-1,96	14,51	-172,244
87	87	85	SSOVRdx	-13,92	-1,96	14,06	-171,992
87	87	84	SSOVRsx	38,52	0,92	38,53	1,37
87	87	103	SSOVRsx	33,79	0,92	33,8	1,561
87	87	104	SSOVRsx	33,79	1,35	33,82	2,289
87	87	85	SSOVRsx	38,52	1,35	38,54	2,008
87	87	84	SW2	-57,68	48,84	75,58	139,741
87	87	103	SW2	-55,15	48,84	73,67	138,47
87	87	104	SW2	-55,15	52,81	76,36	136,239
87	87	85	SW2	-57,68	52,81	78,2	137,521
88	88	85	DEAD	-3,81	3,99	5,51	133,695
88	88	104	DEAD	-2,07	3,99	4,49	117,463
88	88	105	DEAD	-2,07	4,33	4,8	115,569
88	88	86	DEAD	-3,81	4,33	5,77	131,333
88	88	85	STERR	35,34	4,84	35,67	7,797
88	88	104	STERR	26,86	4,84	27,3	10,213
88	88	105	STERR	26,86	8,04	28,04	16,657
88	88	86	STERR	35,34	8,04	36,25	12,812
88	88	85	SSOVRdx	-13,31	-0,5	13,31	-177,843
88	88	104	SSOVRdx	-13,08	-0,5	13,09	-177,805
88	88	105	SSOVRdx	-13,08	0,51	13,09	177,77
88	88	86	SSOVRdx	-13,31	0,51	13,32	177,808
88	88	85	SSOVRsx	31,58	0,5	31,58	0,916
88	88	104	SSOVRsx	27,35	0,5	27,36	1,057
88	88	105	SSOVRsx	27,35	1,1	27,38	2,298
88	88	86	SSOVRsx	31,58	1,1	31,6	1,991
88	88	85	SW2	-47,92	50,15	69,36	133,695
88	88	104	SW2	-26,07	50,15	56,52	117,463
88	88	105	SW2	-26,07	54,48	60,4	115,569
88	88	86	SW2	-47,92	54,48	72,56	131,333
89	89	86	DEAD	-2,44	3,82	4,54	122,553
89	89	105	DEAD	-0,66	3,82	3,88	99,846
89	89	106	DEAD	-0,66	4,49	4,53	98,413
89	89	87	DEAD	-2,44	4,49	5,11	118,546
89	89	86	STERR	19,03	9,6	21,31	26,77
89	89	105	STERR	13,07	9,6	16,22	36,296
89	89	106	STERR	13,07	15,55	20,32	49,962
89	89	87	STERR	19,03	15,55	24,58	39,265
89	89	86	SSOVRdx	-9,86	1,89	10,04	169,171
89	89	105	SSOVRdx	-15,31	1,89	15,43	172,975
89	89	106	SSOVRdx	-15,31	3,08	15,62	168,634
89	89	87	SSOVRdx	-9,86	3,08	10,33	162,67
89	89	86	SSOVRsx	19,45	0,64	19,46	1,897
89	89	105	SSOVRsx	21,05	0,64	21,06	1,752
89	89	106	SSOVRsx	21,05	2,84	21,24	7,683
89	89	87	SSOVRsx	19,45	2,84	19,66	8,306
89	89	86	SW2	-30,69	48,08	57,05	122,553
89	89	105	SW2	-8,34	48,08	48,8	99,846
89	89	106	SW2	-8,34	56,42	57,04	98,413

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
89	89	87	SW2	-30,69	56,42	64,23	118,546
90	90	87	DEAD	-1,06	4,28	4,41	103,889
90	90	106	DEAD	-1,75	4,28	4,63	112,283
90	90	107	DEAD	-1,75	2,41	2,98	126,108
90	90	88	DEAD	-1,06	2,41	2,63	113,755
90	90	87	STERR	4,17	18,25	18,72	77,127
90	90	106	STERR	-2,12	18,25	18,37	96,616
90	90	107	STERR	-2,12	16,28	16,42	97,408
90	90	88	STERR	4,17	16,28	16,81	75,63
90	90	87	SSOVRdx	-6,67	5,36	8,55	141,193
90	90	106	SSOVRdx	-11,72	5,36	12,89	155,422
90	90	107	SSOVRdx	-11,72	4,36	12,51	159,577
90	90	88	SSOVRdx	-6,67	4,36	7,97	146,786
90	90	87	SSOVRsx	8,92	2,59	9,29	16,197
90	90	106	SSOVRsx	8,75	2,59	9,13	16,495
90	90	107	SSOVRsx	8,75	2,66	9,15	16,906
90	90	88	SSOVRsx	8,92	2,66	9,31	16,601
90	90	87	SW2	-13,32	53,86	55,48	103,889
90	90	106	SW2	-22,07	53,86	58,21	112,283
90	90	107	SW2	-22,07	30,26	37,45	126,108
90	90	88	SW2	-13,32	30,26	33,06	113,755
91	91	88	DEAD	-0,63	2,64	2,72	103,376
91	91	107	DEAD	-1,41	2,64	3	118,115
91	91	108	DEAD	-1,41	2,08	2,51	124,17
91	91	89	DEAD	-0,63	2,08	2,17	106,81
91	91	88	STERR	-2,38	18,33	18,48	97,406
91	91	107	STERR	-6,51	18,33	19,45	109,566
91	91	108	STERR	-6,51	17,58	18,75	110,327
91	91	89	STERR	-2,38	17,58	17,75	97,716
91	91	88	SSOVRdx	-7,29	5,39	9,07	143,534
91	91	107	SSOVRdx	-2,5	5,39	5,94	114,911
91	91	108	SSOVRdx	-2,5	5,42	5,97	114,775
91	91	89	SSOVRdx	-7,29	5,42	9,09	143,363
91	91	88	SSOVRsx	6,31	3,2	7,08	26,85
91	91	107	SSOVRsx	-1,81	3,2	3,67	119,543
91	91	108	SSOVRsx	-1,81	2,98	3,48	121,337
91	91	89	SSOVRsx	6,31	2,98	6,98	25,229
91	91	88	SW2	-7,91	33,25	34,18	103,376
91	91	107	SW2	-17,77	33,25	37,7	118,115
91	91	108	SW2	-17,77	26,17	31,63	124,17
91	91	89	SW2	-7,91	26,17	27,34	106,81
92	92	89	DEAD	-0,35	2,24	2,27	98,809
92	92	108	DEAD	-0,02942	2,24	2,24	90,752
92	92	109	DEAD	-0,02942	0,62	0,62	92,733
92	92	90	DEAD	-0,35	0,62	0,71	119,406
92	92	89	STERR	-6,24	18,31	19,34	108,814
92	92	108	STERR	-9,46	18,31	20,61	117,335
92	92	109	STERR	-9,46	10,65	14,24	131,634
92	92	90	STERR	-6,24	10,65	12,34	120,366
92	92	89	SSOVRdx	-4,34	6,78	8,05	122,652
92	92	108	SSOVRdx	-0,74	6,78	6,82	96,223
92	92	109	SSOVRdx	-0,74	5,88	5,93	97,167
92	92	90	SSOVRdx	-4,34	5,88	7,31	126,461
92	92	89	SSOVRsx	0,98	2	2,22	63,92
92	92	108	SSOVRsx	-4,4	2	4,83	155,6
92	92	109	SSOVRsx	-4,4	0,05372	4,4	179,3
92	92	90	SSOVRsx	0,98	0,05372	0,98	3,148
92	92	89	SW2	-4,37	28,19	28,52	98,809
92	92	108	SW2	-0,37	28,19	28,19	90,752
92	92	109	SW2	-0,37	7,75	7,76	92,733
92	92	90	SW2	-4,37	7,75	8,9	119,406
93	93	91	DEAD	13,94	-3,49	14,37	-14,045
93	93	111	DEAD	9,52	-3,49	10,14	-20,119
93	93	112	DEAD	9,52	-8,55	12,8	-41,939
93	93	92	DEAD	13,94	-8,55	16,36	-31,531
93	93	91	STERR	-73,2	29,41	78,89	158,107
93	93	111	STERR	-36,04	29,41	46,52	140,783
93	93	112	STERR	-36,04	20,55	41,49	150,312
93	93	92	STERR	-73,2	20,55	76,03	164,319
93	93	91	SSOVRdx	-67,53	2,69	67,59	177,72

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
93	93	111	SSOVRdx	-69,27	2,69	69,33	177,777
93	93	112	SSOVRdx	-69,27	3,17	69,35	177,382
93	93	92	SSOVRdx	-67,53	3,17	67,61	177,315
93	93	91	SSOVRsx	21,68	12,08	24,82	29,133
93	93	111	SSOVRsx	40,11	12,08	41,89	16,765
93	93	112	SSOVRsx	40,11	7,37	40,78	10,404
93	93	92	SSOVRsx	21,68	7,37	22,9	18,763
93	93	91	SW2	175,37	-43,87	180,78	-14,045
93	93	111	SW2	119,76	-43,87	127,54	-20,119
93	93	112	SW2	119,76	-107,6	160,99	-41,939
93	93	92	SW2	175,37	-107,6	205,75	-31,531
94	94	92	DEAD	7,21	-7,27	10,24	-45,206
94	94	112	DEAD	10,9	-7,27	13,1	-33,685
94	94	113	DEAD	10,9	-9,22	14,28	-40,24
94	94	93	DEAD	7,21	-9,22	11,71	-51,975
94	94	92	STERR	-45,92	9,38	46,87	168,457
94	94	112	STERR	-20,55	9,38	22,59	155,467
94	94	113	STERR	-20,55	2,59	20,71	172,813
94	94	93	STERR	-45,92	2,59	45,99	176,771
94	94	92	SSOVRdx	-47,35	3,35	47,47	175,95
94	94	112	SSOVRdx	-42,82	3,35	42,95	175,523
94	94	113	SSOVRdx	-42,82	0,79	42,82	178,948
94	94	93	SSOVRdx	-47,35	0,79	47,36	179,049
94	94	92	SSOVRsx	20,36	1,93	20,45	5,414
94	94	112	SSOVRsx	29,13	1,93	29,2	3,789
94	94	113	SSOVRsx	29,13	1,06	29,15	2,093
94	94	93	SSOVRsx	20,36	1,06	20,39	2,994
94	94	92	SW2	90,73	-91,38	128,77	-45,206
94	94	112	SW2	137,1	-91,38	164,76	-33,685
94	94	113	SW2	137,1	-116,02	179,6	-40,24
94	94	93	SW2	90,73	-116,02	147,28	-51,975
95	95	93	DEAD	4,57	-10,07	11,06	-65,614
95	95	113	DEAD	3,69	-10,07	10,73	-69,877
95	95	114	DEAD	3,69	-9,05	9,78	-67,819
95	95	94	DEAD	4,57	-9,05	10,14	-63,233
95	95	93	STERR	-32,52	-1,83	32,57	-176,777
95	95	113	STERR	-19,65	-1,83	19,74	-174,676
95	95	114	STERR	-19,65	-5,79	20,49	-163,596
95	95	94	STERR	-32,52	-5,79	33,03	-169,912
95	95	93	SSOVRdx	-33,88	-0,38	33,88	-179,355
95	95	113	SSOVRdx	-39,41	-0,38	39,41	-179,445
95	95	114	SSOVRdx	-39,41	0,91	39,42	178,67
95	95	94	SSOVRdx	-33,88	0,91	33,89	178,453
95	95	93	SSOVRsx	15,77	-0,06756	15,77	-0,245
95	95	113	SSOVRsx	27,5	-0,06756	27,5	-0,141
95	95	114	SSOVRsx	27,5	-3,5	27,72	-7,263
95	95	94	SSOVRsx	15,77	-3,5	16,16	-12,528
95	95	93	SW2	57,43	-126,69	139,1	-65,614
95	95	113	SW2	46,42	-126,69	134,93	-69,877
95	95	114	SW2	46,42	-113,86	122,96	-67,819
95	95	94	SW2	57,43	-113,86	127,52	-63,233
96	96	94	DEAD	2,35	-8,74	9,05	-74,922
96	96	114	DEAD	-0,96	-8,74	8,79	-96,292
96	96	115	DEAD	-0,96	-9,46	9,51	-95,818
96	96	95	DEAD	2,35	-9,46	9,75	-76,02
96	96	94	STERR	-23,89	-7,38	25,01	-162,835
96	96	114	STERR	-17,8	-7,38	19,27	-157,485
96	96	115	STERR	-17,8	-11,61	21,25	-146,903
96	96	95	STERR	-23,89	-11,61	26,56	-154,095
96	96	94	SSOVRdx	-27,19	-3,65	27,43	-172,359
96	96	114	SSOVRdx	-34,44	-3,65	34,63	-173,954
96	96	115	SSOVRdx	-34,44	-2,34	34,52	-176,105
96	96	95	SSOVRdx	-27,19	-2,34	27,29	-175,071
96	96	94	SSOVRsx	14,66	0,31	14,66	1,217
96	96	114	SSOVRsx	23,83	0,31	23,84	0,748
96	96	115	SSOVRsx	23,83	-3,52	24,09	-8,411
96	96	95	SSOVRsx	14,66	-3,52	15,07	-13,518
96	96	94	SW2	29,62	-109,95	113,87	-74,922
96	96	114	SW2	-12,12	-109,95	110,61	-96,292
96	96	115	SW2	-12,12	-118,99	119,6	-95,818

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
96	96	95	SW2	29,62	-118,99	122,62	-76,02
97	97	95	DEAD	0,54	-7,47	7,49	-85,839
97	97	115	DEAD	-5,18	-7,47	9,09	-124,713
97	97	116	DEAD	-5,18	-4,14	6,63	-141,35
97	97	96	DEAD	0,54	-4,14	4,18	-82,519
97	97	95	STERR	-10,59	-12,33	16,25	-130,655
97	97	115	STERR	-6,81	-12,33	14,08	-118,925
97	97	116	STERR	-6,81	-22,66	23,66	-106,73
97	97	96	STERR	-10,59	-22,66	25,01	-115,039
97	97	95	SSOVRdx	-19,44	-1,72	19,52	-174,952
97	97	115	SSOVRdx	-23,84	-1,72	23,9	-175,88
97	97	116	SSOVRdx	-23,84	-7,87	25,11	-161,736
97	97	96	SSOVRdx	-19,44	-7,87	20,97	-157,967
97	97	95	SSOVRsx	15,31	-4,23	15,89	-15,445
97	97	115	SSOVRsx	21,23	-4,23	21,65	-11,271
97	97	116	SSOVRsx	21,23	-5,26	21,87	-13,906
97	97	96	SSOVRsx	15,31	-5,26	16,19	-18,945
97	97	95	SW2	6,84	-94,02	94,27	-85,839
97	97	115	SW2	-65,13	-94,02	114,37	-124,713
97	97	116	SW2	-65,13	-52,09	83,4	-141,35
97	97	96	SW2	6,84	-52,09	52,53	-82,519
98	98	96	DEAD	1,27	-3,92	4,12	-72,078
98	98	116	DEAD	5,32	-3,92	6,61	-36,404
98	98	117	DEAD	5,32	-4,56	7,01	-40,591
98	98	97	DEAD	1,27	-4,56	4,73	-74,447
98	98	96	STERR	1,47	-26,75	26,79	-86,845
98	98	116	STERR	20,28	-26,75	33,57	-52,836
98	98	117	STERR	20,28	-30,1	36,29	-56,03
98	98	97	STERR	1,47	-30,1	30,13	-87,196
98	98	96	SSOVRdx	-8,26	-5,86	10,13	-144,629
98	98	116	SSOVRdx	-5,52	-5,86	8,05	-133,28
98	98	117	SSOVRdx	-5,52	-9,76	11,22	-119,477
98	98	97	SSOVRdx	-8,26	-9,76	12,79	-130,216
98	98	96	SSOVRsx	10,72	-10,39	14,93	-44,087
98	98	116	SSOVRsx	23,42	-10,39	25,62	-23,92
98	98	117	SSOVRsx	23,42	-8,66	24,97	-20,296
98	98	97	SSOVRsx	10,72	-8,66	13,78	-38,926
98	98	96	SW2	15,96	-49,36	51,87	-72,078
98	98	116	SW2	66,94	-49,36	83,17	-36,404
98	98	117	SW2	66,94	-57,36	88,15	-40,591
98	98	97	SW2	15,96	-57,36	59,54	-74,447
99	99	97	DEAD	0,64	-6,09	6,12	-84
99	99	117	DEAD	2,24	-6,09	6,49	-69,798
99	99	118	DEAD	2,24	-4,84	5,33	-65,135
99	99	98	DEAD	0,64	-4,84	4,88	-82,46
99	99	97	STERR	4,27	-35,54	35,8	-83,145
99	99	117	STERR	9,6	-35,54	36,82	-74,89
99	99	118	STERR	9,6	-32,66	34,04	-73,623
99	99	98	STERR	4,27	-32,66	32,94	-82,546
99	99	97	SSOVRdx	0,17	-11,62	11,62	-89,16
99	99	117	SSOVRdx	-5,94	-11,62	13,05	-117,09
99	99	118	SSOVRdx	-5,94	-7,28	9,4	-129,246
99	99	98	SSOVRdx	0,17	-7,28	7,28	-88,658
99	99	97	SSOVRsx	2,99	-11,25	11,64	-75,117
99	99	117	SSOVRsx	13,88	-11,25	17,86	-39,026
99	99	118	SSOVRsx	13,88	-13,63	19,45	-44,473
99	99	98	SSOVRsx	2,99	-13,63	13,95	-77,625
99	99	97	SW2	8,05	-76,62	77,04	-84
99	99	117	SW2	28,19	-76,62	81,64	-69,798
99	99	118	SW2	28,19	-60,83	67,05	-65,135
99	99	98	SW2	8,05	-60,83	61,37	-82,46
100	100	98	DEAD	0,24	-4,78	4,79	-87,127
100	100	118	DEAD	-1,23	-4,78	4,94	-104,455
100	100	119	DEAD	-1,23	-4,95	5,1	-103,985
100	100	99	DEAD	0,24	-4,95	4,96	-87,225
100	100	98	STERR	4,77	-33,2	33,54	-81,827
100	100	118	STERR	-5,31	-33,2	33,63	-99,092
100	100	119	STERR	-5,31	-34,55	34,96	-98,742
100	100	99	STERR	4,77	-34,55	34,88	-82,142
100	100	98	SSOVRdx	0,11	-13,69	13,69	-89,522

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
100	100	118	SSOVRdx	-8,69	-13,69	16,21	-122,407
100	100	119	SSOVRdx	-8,69	-12,23	15	-125,386
100	100	99	SSOVRdx	0,11	-12,23	12,23	-89,465
100	100	98	SSOVRsx	2,03	-7,8	8,06	-75,428
100	100	118	SSOVRsx	3,96	-7,8	8,75	-63,091
100	100	119	SSOVRsx	3,96	-10,55	11,27	-69,44
100	100	99	SSOVRsx	2,03	-10,55	10,75	-79,125
100	100	98	SW2	3,02	-60,16	60,23	-87,127
100	100	118	SW2	-15,51	-60,16	62,12	-104,455
100	100	119	SW2	-15,51	-62,27	64,17	-103,985
100	100	99	SW2	3,02	-62,27	62,34	-87,225
101	101	99	DEAD	-2,63	-3,77	4,59	-124,859
101	101	119	DEAD	-5,71	-3,77	6,84	-146,549
101	101	120	DEAD	-5,71	-1,25	5,84	-167,594
101	101	100	DEAD	-2,63	-1,25	2,91	-154,451
101	101	99	STERR	4,43	-29,91	30,24	-81,583
101	101	119	STERR	-15,72	-29,91	33,79	-117,727
101	101	120	STERR	-15,72	-14	21,05	-138,307
101	101	100	STERR	4,43	-14	14,69	-72,46
101	101	99	SSOVRdx	4,63	-10,19	11,19	-65,571
101	101	119	SSOVRdx	-8,61	-10,19	13,34	-130,195
101	101	120	SSOVRdx	-8,61	-3,82	9,42	-156,074
101	101	100	SSOVRdx	4,63	-3,82	6	-39,533
101	101	99	SSOVRsx	-0,92	-8,5	8,55	-96,155
101	101	119	SSOVRsx	-6,47	-8,5	10,68	-127,301
101	101	120	SSOVRsx	-6,47	-3,81	7,51	-149,497
101	101	100	SSOVRsx	-0,92	-3,81	3,92	-103,512
101	101	99	SW2	-33,02	-47,41	57,78	-124,859
101	101	119	SW2	-71,76	-47,41	86,01	-146,549
101	101	120	SW2	-71,76	-15,79	73,48	-167,594
101	101	100	SW2	-33,02	-15,79	36,6	-154,451
102	102	101	DEAD	-13,94	3,49	14,37	165,955
102	102	122	DEAD	-9,52	3,49	10,14	159,881
102	102	123	DEAD	-9,52	8,55	12,8	138,061
102	102	102	DEAD	-13,94	8,55	16,36	148,469
102	102	101	STERR	73,2	-29,41	78,89	-21,893
102	102	122	STERR	36,04	-29,41	46,52	-39,217
102	102	123	STERR	36,04	-20,55	41,49	-29,688
102	102	102	STERR	73,2	-20,55	76,03	-15,681
102	102	101	SSOVRdx	-21,68	-12,08	24,82	-150,867
102	102	122	SSOVRdx	-40,11	-12,08	41,89	-163,235
102	102	123	SSOVRdx	-40,11	-7,37	40,78	-169,596
102	102	102	SSOVRdx	-21,68	-7,37	22,9	-161,237
102	102	101	SSOVRsx	67,53	-2,69	67,59	-2,28
102	102	122	SSOVRsx	69,27	-2,69	69,33	-2,223
102	102	123	SSOVRsx	69,27	-3,17	69,35	-2,618
102	102	102	SSOVRsx	67,53	-3,17	67,61	-2,685
102	102	101	SW2	-175,37	43,87	180,78	165,955
102	102	122	SW2	-119,76	43,87	127,54	159,881
102	102	123	SW2	-119,76	107,6	160,99	138,061
102	102	102	SW2	-175,37	107,6	205,75	148,469
103	103	102	DEAD	-7,21	7,27	10,24	134,794
103	103	123	DEAD	-10,9	7,27	13,1	146,315
103	103	124	DEAD	-10,9	9,22	14,28	139,76
103	103	103	DEAD	-7,21	9,22	11,71	128,025
103	103	102	STERR	45,92	-9,38	46,87	-11,543
103	103	123	STERR	20,55	-9,38	22,59	-24,533
103	103	124	STERR	20,55	-2,59	20,71	-7,187
103	103	103	STERR	45,92	-2,59	45,99	-3,229
103	103	102	SSOVRdx	-20,36	-1,93	20,45	-174,586
103	103	123	SSOVRdx	-29,13	-1,93	29,2	-176,211
103	103	124	SSOVRdx	-29,13	-1,06	29,15	-177,907
103	103	103	SSOVRdx	-20,36	-1,06	20,39	-177,006
103	103	102	SSOVRsx	47,35	-3,35	47,47	-4,05
103	103	123	SSOVRsx	42,82	-3,35	42,95	-4,477
103	103	124	SSOVRsx	42,82	-0,79	42,82	-1,052
103	103	103	SSOVRsx	47,35	-0,79	47,36	-0,951
103	103	102	SW2	-90,73	91,38	128,77	134,794
103	103	123	SW2	-137,1	91,38	164,76	146,315
103	103	124	SW2	-137,1	116,02	179,6	139,76

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
103	103	103	SW2	-90,73	116,02	147,28	128,025
104	104	103	DEAD	-4,57	10,07	11,06	114,386
104	104	124	DEAD	-3,69	10,07	10,73	110,123
104	104	125	DEAD	-3,69	9,05	9,78	112,181
104	104	104	DEAD	-4,57	9,05	10,14	116,767
104	104	103	STERR	32,52	1,83	32,57	3,223
104	104	124	STERR	19,65	1,83	19,74	5,324
104	104	125	STERR	19,65	5,79	20,49	16,404
104	104	104	STERR	32,52	5,79	33,03	10,088
104	104	103	SSOVRdx	-15,77	0,06756	15,77	179,755
104	104	124	SSOVRdx	-27,5	0,06756	27,5	179,859
104	104	125	SSOVRdx	-27,5	3,5	27,72	172,737
104	104	104	SSOVRdx	-15,77	3,5	16,16	167,472
104	104	103	SSOVRsx	33,88	0,38	33,88	0,645
104	104	124	SSOVRsx	39,41	0,38	39,41	0,555
104	104	125	SSOVRsx	39,41	-0,91	39,42	-1,33
104	104	104	SSOVRsx	33,88	-0,91	33,89	-1,547
104	104	103	SW2	-57,43	126,69	139,1	114,386
104	104	124	SW2	-46,42	126,69	134,93	110,123
104	104	125	SW2	-46,42	113,86	122,96	112,181
104	104	104	SW2	-57,43	113,86	127,52	116,767
105	105	104	DEAD	-2,35	8,74	9,05	105,078
105	105	125	DEAD	0,96	8,74	8,79	83,708
105	105	126	DEAD	0,96	9,46	9,51	84,182
105	105	105	DEAD	-2,35	9,46	9,75	103,98
105	105	104	STERR	23,89	7,38	25,01	17,165
105	105	125	STERR	17,8	7,38	19,27	22,515
105	105	126	STERR	17,8	11,61	21,25	33,097
105	105	105	STERR	23,89	11,61	26,56	25,905
105	105	104	SSOVRdx	-14,66	-0,31	14,66	-178,783
105	105	125	SSOVRdx	-23,83	-0,31	23,84	-179,252
105	105	126	SSOVRdx	-23,83	3,52	24,09	171,589
105	105	105	SSOVRdx	-14,66	3,52	15,07	166,482
105	105	104	SSOVRsx	27,19	3,65	27,43	7,641
105	105	125	SSOVRsx	34,44	3,65	34,63	6,046
105	105	126	SSOVRsx	34,44	2,34	34,52	3,895
105	105	105	SSOVRsx	27,19	2,34	27,29	4,929
105	105	104	SW2	-29,62	109,95	113,87	105,078
105	105	125	SW2	12,12	109,95	110,61	83,708
105	105	126	SW2	12,12	118,99	119,6	84,182
105	105	105	SW2	-29,62	118,99	122,62	103,98
106	106	105	DEAD	-0,54	7,47	7,49	94,161
106	106	126	DEAD	5,18	7,47	9,09	55,287
106	106	127	DEAD	5,18	4,14	6,63	38,65
106	106	106	DEAD	-0,54	4,14	4,18	97,481
106	106	105	STERR	10,59	12,33	16,25	49,345
106	106	126	STERR	6,81	12,33	14,08	61,075
106	106	127	STERR	6,81	22,66	23,66	73,27
106	106	106	STERR	10,59	22,66	25,01	64,961
106	106	105	SSOVRdx	-15,31	4,23	15,89	164,555
106	106	126	SSOVRdx	-21,23	4,23	21,65	168,729
106	106	127	SSOVRdx	-21,23	5,26	21,87	166,094
106	106	106	SSOVRdx	-15,31	5,26	16,19	161,055
106	106	105	SSOVRsx	19,44	1,72	19,52	5,048
106	106	126	SSOVRsx	23,84	1,72	23,9	4,12
106	106	127	SSOVRsx	23,84	7,87	25,11	18,264
106	106	106	SSOVRsx	19,44	7,87	20,97	22,033
106	106	105	SW2	-6,84	94,02	94,27	94,161
106	106	126	SW2	65,13	94,02	114,37	55,287
106	106	127	SW2	65,13	52,09	83,4	38,65
106	106	106	SW2	-6,84	52,09	52,53	97,481
107	107	106	DEAD	-1,27	3,92	4,12	107,922
107	107	127	DEAD	-5,32	3,92	6,61	143,596
107	107	128	DEAD	-5,32	4,56	7,01	139,409
107	107	107	DEAD	-1,27	4,56	4,73	105,553
107	107	106	STERR	-1,47	26,75	26,79	93,155
107	107	127	STERR	-20,28	26,75	33,57	127,164
107	107	128	STERR	-20,28	30,1	36,29	123,97
107	107	107	STERR	-1,47	30,1	30,13	92,804
107	107	106	SSOVRdx	-10,72	10,39	14,93	135,913

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
107	107	127	SSOVRdx	-23,42	10,39	25,62	156,08
107	107	128	SSOVRdx	-23,42	8,66	24,97	159,704
107	107	107	SSOVRdx	-10,72	8,66	13,78	141,074
107	107	106	SSOVRsx	8,26	5,86	10,13	35,371
107	107	127	SSOVRsx	5,52	5,86	8,05	46,72
107	107	128	SSOVRsx	5,52	9,76	11,22	60,523
107	107	107	SSOVRsx	8,26	9,76	12,79	49,784
107	107	106	SW2	-15,96	49,36	51,87	107,922
107	107	127	SW2	-66,94	49,36	83,17	143,596
107	107	128	SW2	-66,94	57,36	88,15	139,409
107	107	107	SW2	-15,96	57,36	59,54	105,553
108	108	107	DEAD	-0,64	6,09	6,12	96
108	108	128	DEAD	-2,24	6,09	6,49	110,202
108	108	129	DEAD	-2,24	4,84	5,33	114,865
108	108	108	DEAD	-0,64	4,84	4,88	97,54
108	108	107	STERR	-4,27	35,54	35,8	96,855
108	108	128	STERR	-9,6	35,54	36,82	105,11
108	108	129	STERR	-9,6	32,66	34,04	106,377
108	108	108	STERR	-4,27	32,66	32,94	97,454
108	108	107	SSOVRdx	-2,99	11,25	11,64	104,883
108	108	128	SSOVRdx	-13,88	11,25	17,86	140,974
108	108	129	SSOVRdx	-13,88	13,63	19,45	135,527
108	108	108	SSOVRdx	-2,99	13,63	13,95	102,375
108	108	107	SSOVRsx	-0,17	11,62	11,62	90,84
108	108	128	SSOVRsx	5,94	11,62	13,05	62,91
108	108	129	SSOVRsx	5,94	7,28	9,4	50,754
108	108	108	SSOVRsx	-0,17	7,28	7,28	91,342
108	108	107	SW2	-8,05	76,62	77,04	96
108	108	128	SW2	-28,19	76,62	81,64	110,202
108	108	129	SW2	-28,19	60,83	67,05	114,865
108	108	108	SW2	-8,05	60,83	61,37	97,54
109	109	108	DEAD	-0,24	4,78	4,79	92,873
109	109	129	DEAD	1,23	4,78	4,94	75,545
109	109	130	DEAD	1,23	4,95	5,1	76,015
109	109	109	DEAD	-0,24	4,95	4,96	92,775
109	109	108	STERR	-4,77	33,2	33,54	98,173
109	109	129	STERR	5,31	33,2	33,63	80,908
109	109	130	STERR	5,31	34,55	34,96	81,258
109	109	109	STERR	-4,77	34,55	34,88	97,858
109	109	108	SSOVRdx	-2,03	7,8	8,06	104,572
109	109	129	SSOVRdx	-3,96	7,8	8,75	116,909
109	109	130	SSOVRdx	-3,96	10,55	11,27	110,56
109	109	109	SSOVRdx	-2,03	10,55	10,75	100,875
109	109	108	SSOVRsx	-0,11	13,69	13,69	90,478
109	109	129	SSOVRsx	8,69	13,69	16,21	57,593
109	109	130	SSOVRsx	8,69	12,23	15	54,614
109	109	109	SSOVRsx	-0,11	12,23	12,23	90,535
109	109	108	SW2	-3,02	60,16	60,23	92,873
109	109	129	SW2	15,51	60,16	62,12	75,545
109	109	130	SW2	15,51	62,27	64,17	76,015
109	109	109	SW2	-3,02	62,27	62,34	92,775
110	110	109	DEAD	2,63	3,77	4,59	55,141
110	110	130	DEAD	5,71	3,77	6,84	33,451
110	110	131	DEAD	5,71	1,25	5,84	12,406
110	110	110	DEAD	2,63	1,25	2,91	25,549
110	110	109	STERR	-4,43	29,91	30,24	98,417
110	110	130	STERR	15,72	29,91	33,79	62,273
110	110	131	STERR	15,72	14	21,05	41,693
110	110	110	STERR	-4,43	14	14,69	107,54
110	110	109	SSOVRdx	0,92	8,5	8,55	83,845
110	110	130	SSOVRdx	6,47	8,5	10,68	52,699
110	110	131	SSOVRdx	6,47	3,81	7,51	30,503
110	110	110	SSOVRdx	0,92	3,81	3,92	76,488
110	110	109	SSOVRsx	-4,63	10,19	11,19	114,429
110	110	130	SSOVRsx	8,61	10,19	13,34	49,805
110	110	131	SSOVRsx	8,61	3,82	9,42	23,926
110	110	110	SSOVRsx	-4,63	3,82	6	140,467
110	110	109	SW2	33,02	47,41	57,78	55,141
110	110	130	SW2	71,76	47,41	86,01	33,451
110	110	131	SW2	71,76	15,79	73,48	12,406

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
110	110	110	SW2	33,02	15,79	36,6	25,549
111	111	111	DEAD	10,73	-8,37	13,61	-37,961
111	111	133	DEAD	4,12	-8,37	9,33	-63,783
111	111	134	DEAD	4,12	-3,21	5,22	-37,86
111	111	112	DEAD	10,73	-3,21	11,2	-16,629
111	111	111	STERR	-35,95	32,9	48,74	137,536
111	111	133	STERR	-18,1	32,9	37,56	118,819
111	111	134	STERR	-18,1	25,49	31,26	125,388
111	111	112	STERR	-35,95	25,49	44,07	144,669
111	111	111	SSOVRdx	-69,84	4,59	70	176,238
111	111	133	SSOVRdx	-68,44	4,59	68,59	176,161
111	111	134	SSOVRdx	-68,44	13,27	69,71	169,029
111	111	112	SSOVRdx	-69,84	13,27	71,09	169,245
111	111	111	SSOVRsx	40,87	12,97	42,87	17,602
111	111	133	SSOVRsx	48,3	12,97	50,01	15,025
111	111	134	SSOVRsx	48,3	-0,14	48,3	-0,167
111	111	112	SSOVRsx	40,87	-0,14	40,87	-0,197
111	111	111	SW2	134,99	-105,32	171,21	-37,961
111	111	133	SW2	51,86	-105,32	117,4	-63,783
111	111	134	SW2	51,86	-40,32	65,69	-37,86
111	111	112	SW2	134,99	-40,32	140,88	-16,629
112	112	112	DEAD	15,61	3,42	15,98	12,343
112	112	134	DEAD	7,76	3,42	8,48	23,762
112	112	135	DEAD	7,76	-39,28	40,04	-78,828
112	112	113	DEAD	15,61	-39,28	42,27	-68,33
112	112	112	STERR	-18,07	12,96	22,24	144,353
112	112	134	STERR	-9,35	12,96	15,98	125,804
112	112	135	STERR	-9,35	-8,06	12,34	-139,242
112	112	113	STERR	-18,07	-8,06	19,79	-155,969
112	112	112	SSOVRdx	-40,6	14,66	43,16	160,145
112	112	134	SSOVRdx	-53,39	14,66	55,37	164,646
112	112	135	SSOVRdx	-53,39	3,22	53,49	176,545
112	112	113	SSOVRdx	-40,6	3,22	40,73	175,46
112	112	112	SSOVRsx	28,33	-7,81	29,39	-15,409
112	112	134	SSOVRsx	46,46	-7,81	47,11	-9,541
112	112	135	SSOVRsx	46,46	-10,22	47,57	-12,401
112	112	113	SSOVRsx	28,33	-10,22	30,12	-19,827
112	112	112	SW2	196,32	42,96	200,96	12,343
112	112	134	SW2	97,58	42,96	106,61	23,762
112	112	135	SW2	97,58	-494,08	503,62	-78,828
112	112	113	SW2	196,32	-494,08	531,65	-68,33
113	113	113	DEAD	-6,96	-45,43	45,96	-98,716
113	113	135	DEAD	39,78	-45,43	60,39	-48,79
113	113	136	DEAD	39,78	14,1	42,21	19,514
113	113	114	DEAD	-6,96	14,1	15,73	116,288
113	113	113	STERR	-20,26	-14,39	24,85	-144,612
113	113	135	STERR	-0,64	-14,39	14,41	-92,542
113	113	136	STERR	-0,64	-3,48	3,53	-100,418
113	113	114	STERR	-20,26	-3,48	20,56	-170,268
113	113	113	SSOVRdx	-41,31	-6,93	41,89	-170,48
113	113	135	SSOVRdx	72,77	-6,93	73,1	-5,439
113	113	136	SSOVRdx	72,77	-24,69	76,84	-18,744
113	113	114	SSOVRdx	-41,31	-24,69	48,13	-149,133
113	113	113	SSOVRsx	28,73	-4,32	29,06	-8,549
113	113	135	SSOVRsx	-72,19	-4,32	72,32	-176,576
113	113	136	SSOVRsx	-72,19	21,47	75,32	163,437
113	113	114	SSOVRsx	28,73	21,47	35,87	36,769
113	113	113	SW2	-87,6	-571,42	578,09	-98,716
113	113	135	SW2	500,41	-571,42	759,56	-48,79
113	113	136	SW2	500,41	177,34	530,91	19,514
113	113	114	SW2	-87,6	177,34	197,8	116,288
114	114	114	DEAD	8,71	14,41	16,84	58,854
114	114	136	DEAD	-37,77	14,41	40,43	159,112
114	114	137	DEAD	-37,77	-38,29	53,78	-134,611
114	114	115	DEAD	8,71	-38,29	39,26	-77,183
114	114	114	STERR	-13,07	-2,25	13,27	-170,239
114	114	136	STERR	-16,69	-2,25	16,84	-172,325
114	114	137	STERR	-16,69	-21,53	27,24	-127,781
114	114	115	STERR	-13,07	-21,53	25,19	-121,267
114	114	114	SSOVRdx	-34,5	25,19	42,72	143,869

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
114	114	136	SSOVRdx	73,85	25,19	78,03	18,832
114	114	137	SSOVRdx	73,85	-4,95	74,02	-3,833
114	114	115	SSOVRdx	-34,5	-4,95	34,85	-171,838
114	114	114	SSOVRsx	27,11	-26,81	38,13	-44,684
114	114	136	SSOVRsx	-83,13	-26,81	87,35	-162,124
114	114	137	SSOVRsx	-83,13	-10,45	83,79	-172,838
114	114	115	SSOVRsx	27,11	-10,45	29,05	-21,073
114	114	114	SW2	109,56	181,3	211,83	58,854
114	114	136	SW2	-475,07	181,3	508,49	159,112
114	114	137	SW2	-475,07	-481,57	676,46	-134,611
114	114	115	SW2	109,56	-481,57	493,87	-77,183
115	115	115	DEAD	-8,78	-33,26	34,4	-104,795
115	115	137	DEAD	-5,61	-33,26	33,73	-99,583
115	115	138	DEAD	-5,61	18,93	19,75	106,518
115	115	116	DEAD	-8,78	18,93	20,87	114,889
115	115	115	STERR	-5,24	-20,36	21,02	-104,442
115	115	137	STERR	-4,94	-20,36	20,95	-103,626
115	115	138	STERR	-4,94	-11,39	12,41	-113,43
115	115	116	STERR	-5,24	-11,39	12,54	-114,723
115	115	115	SSOVRdx	-22,02	-10,16	24,25	-155,236
115	115	137	SSOVRdx	-33,11	-10,16	34,63	-162,948
115	115	138	SSOVRdx	-33,11	-6,71	33,78	-168,54
115	115	116	SSOVRdx	-22,02	-6,71	23,02	-163,045
115	115	115	SSOVRsx	20,65	-3,55	20,95	-9,768
115	115	137	SSOVRsx	30,93	-3,55	31,14	-6,555
115	115	138	SSOVRsx	30,93	-1,22	30,96	-2,257
115	115	116	SSOVRsx	20,65	-1,22	20,68	-3,379
115	115	115	SW2	-110,48	-418,3	432,65	-104,795
115	115	137	SW2	-70,62	-418,3	424,22	-99,583
115	115	138	SW2	-70,62	238,13	248,38	106,518
115	115	116	SW2	-110,48	238,13	262,51	114,889
116	116	116	DEAD	8,14	18,96	20,63	66,768
116	116	138	DEAD	4,78	18,96	19,55	75,863
116	116	139	DEAD	4,78	-27,86	28,27	-80,275
116	116	117	DEAD	8,14	-27,86	29,03	-73,718
116	116	116	STERR	22,8	-13,84	26,68	-31,257
116	116	138	STERR	28,91	-13,84	32,06	-25,582
116	116	139	STERR	28,91	-65,5	71,59	-66,181
116	116	117	STERR	22,8	-65,5	69,35	-70,803
116	116	116	SSOVRdx	-3,71	-3,28	4,95	-138,472
116	116	138	SSOVRdx	-13,18	-3,28	13,58	-166,018
116	116	139	SSOVRdx	-13,18	-15,78	20,56	-129,865
116	116	117	SSOVRdx	-3,71	-15,78	16,21	-103,214
116	116	116	SSOVRsx	23,21	-6,55	24,11	-15,767
116	116	138	SSOVRsx	38,7	-6,55	39,25	-9,61
116	116	139	SSOVRsx	38,7	-31,41	49,84	-39,071
116	116	117	SSOVRsx	23,21	-31,41	39,06	-53,547
116	116	116	SW2	102,36	238,46	259,5	66,768
116	116	138	SW2	60,06	238,46	245,91	75,863
116	116	139	SW2	60,06	-350,46	355,57	-80,275
116	116	117	SW2	102,36	-350,46	365,11	-73,718
117	117	117	DEAD	-7,21	-31,98	32,78	-102,701
117	117	139	DEAD	34,59	-31,98	47,11	-42,75
117	117	140	DEAD	34,59	17,92	38,96	27,384
117	117	118	DEAD	-7,21	17,92	19,31	111,911
117	117	117	STERR	-1,73	-81,12	81,14	-91,225
117	117	139	STERR	54,25	-81,12	97,59	-56,23
117	117	140	STERR	54,25	-27,27	60,71	-26,686
117	117	118	STERR	-1,73	-27,27	27,32	-93,64
117	117	117	SSOVRdx	-11,07	-30,04	32,02	-110,235
117	117	139	SSOVRdx	145,14	-30,04	148,22	-11,693
117	117	140	SSOVRdx	145,14	-46,6	152,44	-17,798
117	117	118	SSOVRdx	-11,07	-46,6	47,89	-103,368
117	117	117	SSOVRsx	10,9	-29,92	31,84	-69,985
117	117	139	SSOVRsx	-104,5	-29,92	108,7	-164,022
117	117	140	SSOVRsx	-104,5	24,93	107,43	166,584
117	117	118	SSOVRsx	10,9	24,93	27,2	66,381
117	117	117	SW2	-90,65	-402,23	412,32	-102,701
117	117	139	SW2	435,13	-402,23	592,56	-42,75
117	117	140	SW2	435,13	225,39	490,04	27,384

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
117	117	118	SW2	-90,65	225,39	242,94	111,911
118	118	118	DEAD	7,81	17,15	18,84	65,519
118	118	140	DEAD	-38,93	17,15	42,54	156,227
118	118	141	DEAD	-38,93	-32,69	50,83	-139,978
118	118	119	DEAD	7,81	-32,69	33,61	-76,567
118	118	118	STERR	4,36	-19,7	20,18	-77,535
118	118	140	STERR	-16,61	-19,7	25,77	-130,126
118	118	141	STERR	-16,61	-78,31	80,05	-101,974
118	118	119	STERR	4,36	-78,31	78,43	-86,816
118	118	118	SSOVRdx	-8,33	20,12	21,78	112,48
118	118	140	SSOVRdx	131,39	20,12	132,92	8,707
118	118	141	SSOVRdx	131,39	-22,28	133,26	-9,626
118	118	119	SSOVRdx	-8,33	-22,28	23,79	-110,487
118	118	118	SSOVRsx	10,76	-35,4	37	-73,098
118	118	140	SSOVRsx	-140,36	-35,4	144,75	-165,843
118	118	141	SSOVRsx	-140,36	-35,37	144,74	-165,856
118	118	119	SSOVRsx	10,76	-35,37	36,97	-73,084
118	118	118	SW2	98,21	215,69	236,99	65,519
118	118	140	SW2	-489,66	215,69	535,06	156,227
118	118	141	SW2	-489,66	-411,19	639,41	-139,978
118	118	119	SW2	98,21	-411,19	422,76	-76,567
119	119	119	DEAD	-8,61	-27,83	29,13	-107,19
119	119	141	DEAD	-4,26	-27,83	28,15	-98,703
119	119	142	DEAD	-4,26	14,06	14,69	106,858
119	119	120	DEAD	-8,61	14,06	16,49	121,483
119	119	119	STERR	-20,69	-64,51	67,75	-107,781
119	119	141	STERR	-31,48	-64,51	71,79	-116,011
119	119	142	STERR	-31,48	-13,47	34,24	-156,828
119	119	120	STERR	-20,69	-13,47	24,69	-146,926
119	119	119	SSOVRdx	-9,35	-26,91	28,49	-109,152
119	119	141	SSOVRdx	-26,23	-26,91	37,58	-134,271
119	119	142	SSOVRdx	-26,23	-19,19	32,5	-143,819
119	119	120	SSOVRdx	-9,35	-19,19	21,34	-115,97
119	119	119	SSOVRsx	-9,24	-19,89	21,93	-114,916
119	119	141	SSOVRsx	-1	-19,89	19,92	-92,888
119	119	142	SSOVRsx	-1	8,27	8,33	96,915
119	119	120	SSOVRsx	-9,24	8,27	12,4	138,159
119	119	119	SW2	-108,29	-350,05	366,42	-107,19
119	119	141	SW2	-53,59	-350,05	354,13	-98,703
119	119	142	SW2	-53,59	176,84	184,78	106,858
119	119	120	SW2	-108,29	176,84	207,36	121,483
120	120	120	DEAD	-3,32	11,16	11,64	106,55
120	120	142	DEAD	0,1	11,16	11,16	89,48
120	120	143	DEAD	0,1	-7,86	7,86	-89,262
120	120	121	DEAD	-3,32	-7,86	8,53	-112,863
120	120	120	STERR	-1,55	-9,89	10,01	-98,892
120	120	142	STERR	-5,67	-9,89	11,4	-119,826
120	120	143	STERR	-5,67	-0,29	5,68	-177,116
120	120	121	STERR	-1,55	-0,29	1,57	-169,539
120	120	120	SSOVRdx	1,25	-11,97	12,04	-84,057
120	120	142	SSOVRdx	-6,83	-11,97	13,78	-119,711
120	120	143	SSOVRdx	-6,83	11,14	13,07	121,523
120	120	121	SSOVRdx	1,25	11,14	11,21	83,616
120	120	120	SSOVRsx	-1,08	5,75	5,85	100,659
120	120	142	SSOVRsx	0,015	5,75	5,75	89,851
120	120	143	SSOVRsx	0,015	-5,18	5,18	-89,834
120	120	121	SSOVRsx	-1,08	-5,18	5,3	-101,796
120	120	120	SW2	-41,7	140,34	146,4	106,55
120	120	142	SW2	1,27	140,34	140,34	89,48
120	120	143	SW2	1,27	-98,9	98,91	-89,262
120	120	121	SW2	-41,7	-98,9	107,33	-112,863
121	121	122	DEAD	-10,73	8,37	13,61	142,039
121	121	144	DEAD	-4,12	8,37	9,33	116,217
121	121	145	DEAD	-4,12	3,21	5,22	142,14
121	121	123	DEAD	-10,73	3,21	11,2	163,371
121	121	122	STERR	35,95	-32,9	48,74	-42,464
121	121	144	STERR	18,1	-32,9	37,56	-61,181
121	121	145	STERR	18,1	-25,49	31,26	-54,612
121	121	123	STERR	35,95	-25,49	44,07	-35,331
121	121	122	SSOVRdx	-40,87	-12,97	42,87	-162,398

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
121	121	144	SSOVRdx	-48,3	-12,97	50,01	-164,975
121	121	145	SSOVRdx	-48,3	0,14	48,3	179,833
121	121	123	SSOVRdx	-40,87	0,14	40,87	179,803
121	121	122	SSOVRsx	69,84	-4,59	70	-3,762
121	121	144	SSOVRsx	68,44	-4,59	68,59	-3,839
121	121	145	SSOVRsx	68,44	-13,27	69,71	-10,971
121	121	123	SSOVRsx	69,84	-13,27	71,09	-10,755
121	121	122	SW2	-134,99	105,32	171,21	142,039
121	121	144	SW2	-51,86	105,32	117,4	116,217
121	121	145	SW2	-51,86	40,32	65,69	142,14
121	121	123	SW2	-134,99	40,32	140,88	163,371
122	122	123	DEAD	-15,61	-3,42	15,98	-167,657
122	122	145	DEAD	-7,76	-3,42	8,48	-156,238
122	122	146	DEAD	-7,76	39,28	40,04	101,172
122	122	124	DEAD	-15,61	39,28	42,27	111,67
122	122	123	STERR	18,07	-12,96	22,24	-35,647
122	122	145	STERR	9,35	-12,96	15,98	-54,196
122	122	146	STERR	9,35	8,06	12,34	40,758
122	122	124	STERR	18,07	8,06	19,79	24,031
122	122	123	SSOVRdx	-28,33	7,81	29,39	164,591
122	122	145	SSOVRdx	-46,46	7,81	47,11	170,459
122	122	146	SSOVRdx	-46,46	10,22	47,57	167,599
122	122	124	SSOVRdx	-28,33	10,22	30,12	160,173
122	122	123	SSOVRsx	40,6	-14,66	43,16	-19,855
122	122	145	SSOVRsx	53,39	-14,66	55,37	-15,354
122	122	146	SSOVRsx	53,39	-3,22	53,49	-3,455
122	122	124	SSOVRsx	40,6	-3,22	40,73	-4,54
122	122	123	SW2	-196,32	-42,96	200,96	-167,657
122	122	145	SW2	-97,58	-42,96	106,61	-156,238
122	122	146	SW2	-97,58	494,08	503,62	101,172
122	122	124	SW2	-196,32	494,08	531,65	111,67
123	123	124	DEAD	6,96	45,43	45,96	81,284
123	123	146	DEAD	-39,78	45,43	60,39	131,21
123	123	147	DEAD	-39,78	-14,1	42,21	-160,486
123	123	125	DEAD	6,96	-14,1	15,73	-63,712
123	123	124	STERR	20,26	14,39	24,85	35,388
123	123	146	STERR	0,64	14,39	14,41	87,458
123	123	147	STERR	0,64	3,48	3,53	79,582
123	123	125	STERR	20,26	3,48	20,56	9,732
123	123	124	SSOVRdx	-28,73	4,32	29,06	171,451
123	123	146	SSOVRdx	72,19	4,32	72,32	3,424
123	123	147	SSOVRdx	72,19	-21,47	75,32	-16,563
123	123	125	SSOVRdx	-28,73	-21,47	35,87	-143,231
123	123	124	SSOVRsx	41,31	6,93	41,89	9,52
123	123	146	SSOVRsx	-72,77	6,93	73,1	174,561
123	123	147	SSOVRsx	-72,77	24,69	76,84	161,256
123	123	125	SSOVRsx	41,31	24,69	48,13	30,867
123	123	124	SW2	87,6	571,42	578,09	81,284
123	123	146	SW2	-500,41	571,42	759,56	131,21
123	123	147	SW2	-500,41	-177,34	530,91	-160,486
123	123	125	SW2	87,6	-177,34	197,8	-63,712
124	124	125	DEAD	-8,71	-14,41	16,84	-121,146
124	124	147	DEAD	37,77	-14,41	40,43	-20,888
124	124	148	DEAD	37,77	38,29	53,78	45,389
124	124	126	DEAD	-8,71	38,29	39,26	102,817
124	124	125	STERR	13,07	2,25	13,27	9,761
124	124	147	STERR	16,69	2,25	16,84	7,675
124	124	148	STERR	16,69	21,53	27,24	52,219
124	124	126	STERR	13,07	21,53	25,19	58,733
124	124	125	SSOVRdx	-27,11	26,81	38,13	135,316
124	124	147	SSOVRdx	83,13	26,81	87,35	17,876
124	124	148	SSOVRdx	83,13	10,45	83,79	7,162
124	124	126	SSOVRdx	-27,11	10,45	29,05	158,927
124	124	125	SSOVRsx	34,5	-25,19	42,72	-36,131
124	124	147	SSOVRsx	-73,85	-25,19	78,03	-161,168
124	124	148	SSOVRsx	-73,85	4,95	74,02	176,167
124	124	126	SSOVRsx	34,5	4,95	34,85	8,162
124	124	125	SW2	-109,56	-181,3	211,83	-121,146
124	124	147	SW2	475,07	-181,3	508,49	-20,888
124	124	148	SW2	475,07	481,57	676,46	45,389

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
124	124	126	SW2	-109,56	481,57	493,87	102,817
125	125	126	DEAD	8,78	33,26	34,4	75,205
125	125	148	DEAD	5,61	33,26	33,73	80,417
125	125	149	DEAD	5,61	-18,93	19,75	-73,482
125	125	127	DEAD	8,78	-18,93	20,87	-65,111
125	125	126	STERR	5,24	20,36	21,02	75,558
125	125	148	STERR	4,94	20,36	20,95	76,374
125	125	149	STERR	4,94	11,39	12,41	66,57
125	125	127	STERR	5,24	11,39	12,54	65,277
125	125	126	SSOVRdx	-20,65	3,55	20,95	170,232
125	125	148	SSOVRdx	-30,93	3,55	31,14	173,445
125	125	149	SSOVRdx	-30,93	1,22	30,96	177,743
125	125	127	SSOVRdx	-20,65	1,22	20,68	176,621
125	125	126	SSOVRsx	22,02	10,16	24,25	24,764
125	125	148	SSOVRsx	33,11	10,16	34,63	17,052
125	125	149	SSOVRsx	33,11	6,71	33,78	11,46
125	125	127	SSOVRsx	22,02	6,71	23,02	16,955
125	125	126	SW2	110,48	418,3	432,65	75,205
125	125	148	SW2	70,62	418,3	424,22	80,417
125	125	149	SW2	70,62	-238,13	248,38	-73,482
125	125	127	SW2	110,48	-238,13	262,51	-65,111
126	126	127	DEAD	-8,14	-18,96	20,63	-113,232
126	126	149	DEAD	-4,78	-18,96	19,55	-104,137
126	126	150	DEAD	-4,78	27,86	28,27	99,725
126	126	128	DEAD	-8,14	27,86	29,03	106,282
126	126	127	STERR	-22,8	13,84	26,68	148,743
126	126	149	STERR	-28,91	13,84	32,06	154,418
126	126	150	STERR	-28,91	65,5	71,59	113,819
126	126	128	STERR	-22,8	65,5	69,35	109,197
126	126	127	SSOVRdx	-23,21	6,55	24,11	164,233
126	126	149	SSOVRdx	-38,7	6,55	39,25	170,39
126	126	150	SSOVRdx	-38,7	31,41	49,84	140,929
126	126	128	SSOVRdx	-23,21	31,41	39,06	126,453
126	126	127	SSOVRsx	3,71	3,28	4,95	41,528
126	126	149	SSOVRsx	13,18	3,28	13,58	13,982
126	126	150	SSOVRsx	13,18	15,78	20,56	50,135
126	126	128	SSOVRsx	3,71	15,78	16,21	76,786
126	126	127	SW2	-102,36	-238,46	259,5	-113,232
126	126	149	SW2	-60,06	-238,46	245,91	-104,137
126	126	150	SW2	-60,06	350,46	355,57	99,725
126	126	128	SW2	-102,36	350,46	365,11	106,282
127	127	128	DEAD	7,21	31,98	32,78	77,299
127	127	150	DEAD	-34,59	31,98	47,11	137,25
127	127	151	DEAD	-34,59	-17,92	38,96	-152,616
127	127	129	DEAD	7,21	-17,92	19,31	-68,089
127	127	128	STERR	1,73	81,12	81,14	88,775
127	127	150	STERR	-54,25	81,12	97,59	123,77
127	127	151	STERR	-54,25	27,27	60,71	153,314
127	127	129	STERR	1,73	27,27	27,32	86,36
127	127	128	SSOVRdx	-10,9	29,92	31,84	110,015
127	127	150	SSOVRdx	104,5	29,92	108,7	15,978
127	127	151	SSOVRdx	104,5	-24,93	107,43	-13,416
127	127	129	SSOVRdx	-10,9	-24,93	27,2	-113,619
127	127	128	SSOVRsx	11,07	30,04	32,02	69,765
127	127	150	SSOVRsx	-145,14	30,04	148,22	168,307
127	127	151	SSOVRsx	-145,14	46,6	152,44	162,202
127	127	129	SSOVRsx	11,07	46,6	47,89	76,632
127	127	128	SW2	90,65	402,23	412,32	77,299
127	127	150	SW2	-435,13	402,23	592,56	137,25
127	127	151	SW2	-435,13	-225,39	490,04	-152,616
127	127	129	SW2	90,65	-225,39	242,94	-68,089
128	128	129	DEAD	-7,81	-17,15	18,84	-114,481
128	128	151	DEAD	38,93	-17,15	42,54	-23,773
128	128	152	DEAD	38,93	32,69	50,83	40,022
128	128	130	DEAD	-7,81	32,69	33,61	103,433
128	128	129	STERR	-4,36	19,7	20,18	102,465
128	128	151	STERR	16,61	19,7	25,77	49,874
128	128	152	STERR	16,61	78,31	80,05	78,026
128	128	130	STERR	-4,36	78,31	78,43	93,184
128	128	129	SSOVRdx	-10,76	35,4	37	106,902

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
128	128	151	SSOVRdx	140,36	35,4	144,75	14,157
128	128	152	SSOVRdx	140,36	35,37	144,74	14,144
128	128	130	SSOVRdx	-10,76	35,37	36,97	106,916
128	128	129	SSOVRsx	8,33	-20,12	21,78	-67,52
128	128	151	SSOVRsx	-131,39	-20,12	132,92	-171,293
128	128	152	SSOVRsx	-131,39	22,28	133,26	170,374
128	128	130	SSOVRsx	8,33	22,28	23,79	69,513
128	128	129	SW2	-98,21	-215,69	236,99	-114,481
128	128	151	SW2	489,66	-215,69	535,06	-23,773
128	128	152	SW2	489,66	411,19	639,41	40,022
128	128	130	SW2	-98,21	411,19	422,76	103,433
129	129	130	DEAD	8,61	27,83	29,13	72,81
129	129	152	DEAD	4,26	27,83	28,15	81,297
129	129	153	DEAD	4,26	-14,06	14,69	-73,142
129	129	131	DEAD	8,61	-14,06	16,49	-58,517
129	129	130	STERR	20,69	64,51	67,75	72,219
129	129	152	STERR	31,48	64,51	71,79	63,989
129	129	153	STERR	31,48	13,47	34,24	23,172
129	129	131	STERR	20,69	13,47	24,69	33,074
129	129	130	SSOVRdx	9,24	19,89	21,93	65,084
129	129	152	SSOVRdx	1	19,89	19,92	87,112
129	129	153	SSOVRdx	1	-8,27	8,33	-83,085
129	129	131	SSOVRdx	9,24	-8,27	12,4	-41,841
129	129	130	SSOVRsx	9,35	26,91	28,49	70,848
129	129	152	SSOVRsx	26,23	26,91	37,58	45,729
129	129	153	SSOVRsx	26,23	19,19	32,5	36,181
129	129	131	SSOVRsx	9,35	19,19	21,34	64,03
129	129	130	SW2	108,29	350,05	366,42	72,81
129	129	152	SW2	53,59	350,05	354,13	81,297
129	129	153	SW2	53,59	-176,84	184,78	-73,142
129	129	131	SW2	108,29	-176,84	207,36	-58,517
130	130	131	DEAD	3,32	-11,16	11,64	-73,45
130	130	153	DEAD	-0,1	-11,16	11,16	-90,52
130	130	154	DEAD	-0,1	7,86	7,86	90,738
130	130	132	DEAD	3,32	7,86	8,53	67,137
130	130	131	STERR	1,55	9,89	10,01	81,108
130	130	153	STERR	5,67	9,89	11,4	60,174
130	130	154	STERR	5,67	0,29	5,68	2,884
130	130	132	STERR	1,55	0,29	1,57	10,461
130	130	131	SSOVRdx	1,08	-5,75	5,85	-79,341
130	130	153	SSOVRdx	-0,015	-5,75	5,75	-90,149
130	130	154	SSOVRdx	-0,015	5,18	5,18	90,166
130	130	132	SSOVRdx	1,08	5,18	5,3	78,204
130	130	131	SSOVRsx	-1,25	11,97	12,04	95,943
130	130	153	SSOVRsx	6,83	11,97	13,78	60,289
130	130	154	SSOVRsx	6,83	-11,14	13,07	-58,477
130	130	132	SSOVRsx	-1,25	-11,14	11,21	-96,384
130	130	131	SW2	41,7	-140,34	146,4	-73,45
130	130	153	SW2	-1,27	-140,34	140,34	-90,52
130	130	154	SW2	-1,27	98,9	98,91	90,738
130	130	132	SW2	41,7	98,9	107,33	67,137
131	131	133	DEAD	4,11	-12,3	12,97	-71,534
131	131	155	DEAD	-6,64	-12,3	13,98	-118,369
131	131	156	DEAD	-6,64	-17,76	18,96	-110,506
131	131	134	DEAD	4,11	-17,76	18,23	-76,977
131	131	133	STERR	-18,63	35,63	40,2	117,602
131	131	155	STERR	17,17	35,63	39,55	64,273
131	131	156	STERR	17,17	23,34	28,97	53,665
131	131	134	STERR	-18,63	23,34	29,86	128,592
131	131	133	SSOVRdx	-70,27	7,72	70,69	173,727
131	131	155	SSOVRdx	-62,67	7,72	63,15	172,974
131	131	156	SSOVRdx	-62,67	14,8	64,4	166,709
131	131	134	SSOVRdx	-70,27	14,8	71,81	168,103
131	131	133	SSOVRsx	49,98	11,7	51,33	13,175
131	131	155	SSOVRsx	61,12	11,7	62,23	10,838
131	131	156	SSOVRsx	61,12	-2,37	61,16	-2,224
131	131	134	SSOVRsx	49,98	-2,37	50,04	-2,719
131	131	133	SW2	51,66	-154,71	163,1	-71,534
131	131	155	SW2	-83,54	-154,71	175,82	-118,369
131	131	156	SW2	-83,54	-223,37	238,48	-110,506

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
131	131	134	SW2	51,66	-223,37	229,26	-76,977
132	132	134	DEAD	4,93	-11,39	12,41	-66,613
132	132	156	DEAD	-10,43	-11,39	15,45	-132,478
132	132	157	DEAD	-10,43	90,37	90,97	96,585
132	132	135	DEAD	4,93	90,37	90,5	86,879
132	132	134	STERR	-7,32	5,9	9,4	141,148
132	132	156	STERR	-7,16	5,9	9,27	140,529
132	132	157	STERR	-7,16	15,69	17,24	114,531
132	132	135	STERR	-7,32	15,69	17,31	115,012
132	132	134	SSOVRdx	-55,18	9,02	55,91	170,712
132	132	156	SSOVRdx	-45,09	9,02	45,99	168,684
132	132	157	SSOVRdx	-45,09	34,01	56,48	142,976
132	132	135	SSOVRdx	-55,18	34,01	64,82	148,352
132	132	134	SSOVRsx	50,16	-5,7	50,48	-6,485
132	132	156	SSOVRsx	39,79	-5,7	40,2	-8,154
132	132	157	SSOVRsx	39,79	-28,3	48,83	-35,418
132	132	135	SSOVRsx	50,16	-28,3	57,59	-29,432
132	132	134	SW2	61,98	-143,31	156,13	-66,613
132	132	156	SW2	-131,22	-143,31	194,31	-132,478
132	132	157	SW2	-131,22	1136,65	1144,2	96,585
132	132	135	SW2	61,98	1136,65	1138,33	86,879
133	133	135	DEAD	99,69	98,67	140,27	44,706
133	133	157	DEAD	143,68	98,67	174,3	34,48
133	133	158	DEAD	143,68	-298,63	331,39	-64,307
133	133	136	DEAD	99,69	-298,63	314,83	-71,539
133	133	135	STERR	14,7	15,69	21,5	46,856
133	133	157	STERR	31,02	15,69	34,76	26,824
133	133	158	STERR	31,02	-81,81	87,5	-69,234
133	133	136	STERR	14,7	-81,81	83,12	-79,812
133	133	135	SSOVRdx	83,9	68,2	108,12	39,105
133	133	157	SSOVRdx	-229,52	68,2	239,44	163,452
133	133	158	SSOVRdx	-229,52	59,99	237,23	165,353
133	133	136	SSOVRdx	83,9	59,99	103,14	35,565
133	133	135	SSOVRsx	-73,62	-63,01	96,91	-139,441
133	133	157	SSOVRsx	256,81	-63,01	264,43	-13,786
133	133	158	SSOVRsx	256,81	-117,25	282,31	-24,539
133	133	136	SSOVRsx	-73,62	-117,25	138,45	-122,125
133	133	135	SW2	1253,96	1241,14	1764,33	44,706
133	133	157	SW2	1807,2	1241,14	2192,36	34,48
133	133	158	SW2	1807,2	-3756,25	4168,38	-64,307
133	133	136	SW2	1253,96	-3756,25	3960,03	-71,539
134	134	136	DEAD	-98,12	-299,79	315,44	-108,124
134	134	158	DEAD	-142,82	-299,79	332,07	-115,473
134	134	159	DEAD	-142,82	87,06	167,26	148,635
134	134	137	DEAD	-98,12	87,06	131,18	138,42
134	134	136	STERR	-30,04	-90,55	95,4	-108,353
134	134	158	STERR	-70,37	-90,55	114,68	-127,852
134	134	159	STERR	-70,37	5,96	70,62	175,158
134	134	137	STERR	-30,04	5,96	30,63	168,776
134	134	136	SSOVRdx	78,07	-105,76	131,46	-53,564
134	134	158	SSOVRdx	-265,35	-105,76	285,65	-158,27
134	134	159	SSOVRdx	-265,35	-60,41	272,14	-167,174
134	134	137	SSOVRdx	78,07	-60,41	98,72	-37,733
134	134	136	SSOVRsx	-95,44	41,43	104,05	156,534
134	134	158	SSOVRsx	207,58	41,43	211,67	11,288
134	134	159	SSOVRsx	207,58	57,96	215,52	15,6
134	134	137	SSOVRsx	-95,44	57,96	111,66	148,731
134	134	136	SW2	-1234,24	-3770,86	3967,71	-108,124
134	134	158	SW2	-1796,44	-3770,86	4176,91	-115,473
134	134	159	SW2	-1796,44	1095,03	2103,87	148,635
134	134	137	SW2	-1234,24	1095,03	1649,98	138,42
135	135	137	DEAD	-4,62	78,84	78,97	93,354
135	135	159	DEAD	7,13	78,84	79,16	84,834
135	135	160	DEAD	7,13	-22,24	23,36	-72,232
135	135	138	DEAD	-4,62	-22,24	22,72	-101,734
135	135	137	STERR	-4,93	5,81	7,62	130,288
135	135	159	STERR	-0,56	5,81	5,84	95,489
135	135	160	STERR	-0,56	-17,44	17,45	-91,835
135	135	138	STERR	-4,93	-17,44	18,12	-105,777
135	135	137	SSOVRdx	-35,13	-25,84	43,61	-143,658

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
135	135	159	SSOVRdx	-29,37	-25,84	39,12	-138,657
135	135	160	SSOVRdx	-29,37	-7,66	30,35	-165,39
135	135	138	SSOVRdx	-35,13	-7,66	35,95	-167,704
135	135	137	SSOVRsx	32,59	25,14	41,16	37,641
135	135	159	SSOVRsx	28,89	25,14	38,29	41,022
135	135	160	SSOVRsx	28,89	-2,73	29,02	-5,399
135	135	138	SSOVRsx	32,59	-2,73	32,7	-4,79
135	135	137	SW2	-58,11	991,66	993,36	93,354
135	135	159	SW2	89,66	991,66	995,7	84,834
135	135	160	SW2	89,66	-279,79	293,81	-72,232
135	135	138	SW2	-58,11	-279,79	285,76	-101,734
136	136	138	DEAD	3,34	-22,13	22,38	-81,416
136	136	160	DEAD	-8,31	-22,13	23,64	-110,582
136	136	161	DEAD	-8,31	77,54	77,98	96,116
136	136	139	DEAD	3,34	77,54	77,61	87,534
136	136	138	STERR	32,56	-20,92	38,7	-32,727
136	136	160	STERR	30,84	-20,92	37,26	-34,157
136	136	161	STERR	30,84	2,83	30,97	5,241
136	136	139	STERR	32,56	2,83	32,68	4,966
136	136	138	SSOVRdx	-14,03	-5,51	15,07	-158,571
136	136	160	SSOVRdx	-6,47	-5,51	8,49	-139,58
136	136	161	SSOVRdx	-6,47	17,28	18,45	110,514
136	136	139	SSOVRdx	-14,03	17,28	22,26	129,074
136	136	138	SSOVRsx	42,98	-7,54	43,63	-9,947
136	136	160	SSOVRsx	35,38	-7,54	36,17	-12,027
136	136	161	SSOVRsx	35,38	-25,17	43,42	-35,424
136	136	139	SSOVRsx	42,98	-25,17	49,8	-30,351
136	136	138	SW2	42,01	-278,31	281,47	-81,416
136	136	160	SW2	-104,51	-278,31	297,29	-110,582
136	136	161	SW2	-104,51	975,32	980,91	96,116
136	136	139	SW2	42,01	975,32	976,23	87,534
137	137	139	DEAD	90,84	85,75	124,92	43,35
137	137	161	DEAD	128,05	85,75	154,11	33,807
137	137	162	DEAD	128,05	-272,17	300,79	-64,803
137	137	140	DEAD	90,84	-272,17	286,93	-71,544
137	137	139	STERR	97,8	-1,49	97,81	-0,873
137	137	161	STERR	215,53	-1,49	215,53	-0,396
137	137	162	STERR	215,53	-295,04	365,38	-53,852
137	137	140	STERR	97,8	-295,04	310,83	-71,661
137	137	139	SSOVRdx	160,47	55,83	169,9	19,183
137	137	161	SSOVRdx	-212,11	55,83	219,33	165,254
137	137	162	SSOVRdx	-212,11	32,34	214,56	171,331
137	137	140	SSOVRdx	160,47	32,34	163,69	11,394
137	137	139	SSOVRsx	-91,53	-69,07	114,67	-142,964
137	137	161	SSOVRsx	379,15	-69,07	385,38	-10,324
137	137	162	SSOVRsx	379,15	-240,5	448,99	-32,387
137	137	140	SSOVRsx	-91,53	-240,5	257,33	-110,837
137	137	139	SW2	1142,56	1078,57	1571,23	43,35
137	137	161	SW2	1610,71	1078,57	1938,48	33,807
137	137	162	SW2	1610,71	-3423,46	3783,45	-64,803
137	137	140	SW2	1142,56	-3423,46	3609,09	-71,544
138	138	140	DEAD	-94,95	-268,93	285,2	-109,446
138	138	162	DEAD	-119,36	-268,93	294,23	-113,934
138	138	163	DEAD	-119,36	85,47	146,81	144,394
138	138	141	DEAD	-94,95	85,47	127,75	138,005
138	138	140	STERR	-58,85	-320,89	326,25	-100,392
138	138	162	STERR	-278,45	-320,89	424,86	-130,95
138	138	163	STERR	-278,45	-18,77	279,08	-176,144
138	138	141	STERR	-58,85	-18,77	61,77	-162,312
138	138	140	SSOVRdx	132,74	-189,84	231,65	-55,039
138	138	162	SSOVRdx	-371,51	-189,84	417,2	-152,933
138	138	163	SSOVRdx	-371,51	-104,1	385,82	-164,346
138	138	141	SSOVRdx	132,74	-104,1	168,69	-38,106
138	138	140	SSOVRsx	-168,8	-40,11	173,5	-166,633
138	138	162	SSOVRsx	151,45	-40,11	156,67	-14,835
138	138	163	SSOVRsx	151,45	75,91	169,41	26,623
138	138	141	SSOVRsx	-168,8	75,91	185,09	155,785
138	138	140	SW2	-1194,26	-3382,69	3587,32	-109,446
138	138	162	SW2	-1501,39	-3382,69	3700,92	-113,934
138	138	163	SW2	-1501,39	1075,12	1846,64	144,394

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
138	138	141	SW2	-1194,26	1075,12	1606,91	138,005
139	139	141	DEAD	-2,6	76,83	76,87	91,936
139	139	163	DEAD	6,47	76,83	77,1	85,182
139	139	164	DEAD	6,47	-10,13	12,02	-57,407
139	139	142	DEAD	-2,6	-10,13	10,45	-104,381
139	139	141	STERR	-36,42	-3,67	36,6	-174,247
139	139	163	STERR	-33,67	-3,67	33,87	-173,781
139	139	164	STERR	-33,67	-15,66	37,14	-155,06
139	139	142	STERR	-36,42	-15,66	39,64	-156,733
139	139	141	SSOVRdx	-31,88	-53,63	62,39	-120,73
139	139	163	SSOVRdx	-26,19	-53,63	59,68	-116,029
139	139	164	SSOVRdx	-26,19	-3,54	26,43	-172,299
139	139	142	SSOVRdx	-31,88	-3,54	32,08	-173,661
139	139	141	SSOVRsx	0,19	39,72	39,72	89,729
139	139	163	SSOVRsx	-4,36	39,72	39,96	96,26
139	139	164	SSOVRsx	-4,36	-6,85	8,12	-122,448
139	139	142	SSOVRsx	0,19	-6,85	6,86	-88,43
139	139	141	SW2	-32,66	966,33	966,88	91,936
139	139	163	SW2	81,44	966,33	969,76	85,182
139	139	164	SW2	81,44	-127,38	151,19	-57,407
139	139	142	SW2	-32,66	-127,38	131,51	-104,381
140	140	142	DEAD	0,91	-10,91	10,95	-85,251
140	140	164	DEAD	-3,22	-10,91	11,38	-106,426
140	140	165	DEAD	-3,22	9,01	9,57	109,643
140	140	143	DEAD	0,91	9,01	9,06	84,256
140	140	142	STERR	-6,54	-11,53	13,25	-119,549
140	140	164	STERR	-8,58	-11,53	14,37	-126,65
140	140	165	STERR	-8,58	0,01875	8,58	179,875
140	140	143	STERR	-6,54	0,01875	6,54	179,836
140	140	142	SSOVRdx	-8,32	-0,95	8,38	-173,461
140	140	164	SSOVRdx	-3,96	-0,95	4,07	-166,452
140	140	165	SSOVRdx	-3,96	-2,83	4,87	-144,397
140	140	143	SSOVRdx	-8,32	-2,83	8,79	-161,192
140	140	142	SSOVRsx	0,5	-6,32	6,34	-85,51
140	140	164	SSOVRsx	-2,4	-6,32	6,76	-110,808
140	140	165	SSOVRsx	-2,4	3,01	3,85	128,595
140	140	143	SSOVRsx	0,5	3,01	3,05	80,635
140	140	142	SW2	11,4	-137,26	137,73	-85,251
140	140	164	SW2	-40,47	-137,26	143,1	-106,426
140	140	165	SW2	-40,47	113,37	120,38	109,643
140	140	143	SW2	11,4	113,37	113,94	84,256
141	141	144	DEAD	-4,11	12,3	12,97	108,466
141	141	180	DEAD	6,64	12,3	13,98	61,631
141	141	181	DEAD	6,64	17,76	18,96	69,494
141	141	145	DEAD	-4,11	17,76	18,23	103,023
141	141	144	STERR	18,63	-35,63	40,2	-62,398
141	141	180	STERR	-17,17	-35,63	39,55	-115,727
141	141	181	STERR	-17,17	-23,34	28,97	-126,335
141	141	145	STERR	18,63	-23,34	29,86	-51,408
141	141	144	SSOVRdx	-49,98	-11,7	51,33	-166,825
141	141	180	SSOVRdx	-61,12	-11,7	62,23	-169,162
141	141	181	SSOVRdx	-61,12	2,37	61,16	177,776
141	141	145	SSOVRdx	-49,98	2,37	50,04	177,281
141	141	144	SSOVRsx	70,27	-7,72	70,69	-6,273
141	141	180	SSOVRsx	62,67	-7,72	63,15	-7,026
141	141	181	SSOVRsx	62,67	-14,8	64,4	-13,291
141	141	145	SSOVRsx	70,27	-14,8	71,81	-11,897
141	141	144	SW2	-51,66	154,71	163,1	108,466
141	141	180	SW2	83,54	154,71	175,82	61,631
141	141	181	SW2	83,54	223,37	238,48	69,494
141	141	145	SW2	-51,66	223,37	229,26	103,023
142	142	145	DEAD	-4,93	11,39	12,41	113,387
142	142	181	DEAD	10,43	11,39	15,45	47,522
142	142	182	DEAD	10,43	-90,37	90,97	-83,415
142	142	146	DEAD	-4,93	-90,37	90,5	-93,121
142	142	145	STERR	7,32	-5,9	9,4	-38,852
142	142	181	STERR	7,16	-5,9	9,27	-39,471
142	142	182	STERR	7,16	-15,69	17,24	-65,469
142	142	146	STERR	7,32	-15,69	17,31	-64,988
142	142	145	SSOVRdx	-50,16	5,7	50,48	173,515

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
142	142	181	SSOVRdx	-39,79	5,7	40,2	171,846
142	142	182	SSOVRdx	-39,79	28,3	48,83	144,582
142	142	146	SSOVRdx	-50,16	28,3	57,59	150,568
142	142	145	SSOVRsx	55,18	-9,02	55,91	-9,288
142	142	181	SSOVRsx	45,09	-9,02	45,99	-11,316
142	142	182	SSOVRsx	45,09	-34,01	56,48	-37,024
142	142	146	SSOVRsx	55,18	-34,01	64,82	-31,648
142	142	145	SW2	-61,98	143,31	156,13	113,387
142	142	181	SW2	131,22	143,31	194,31	47,522
142	142	182	SW2	131,22	-1136,65	1144,2	-83,415
142	142	146	SW2	-61,98	-1136,65	1138,33	-93,121
143	143	146	DEAD	-99,69	-98,67	140,27	-135,294
143	143	182	DEAD	-143,68	-98,67	174,3	-145,52
143	143	183	DEAD	-143,68	298,63	331,39	115,693
143	143	147	DEAD	-99,69	298,63	314,83	108,461
143	143	146	STERR	-14,7	-15,69	21,5	-133,144
143	143	182	STERR	-31,02	-15,69	34,76	-153,176
143	143	183	STERR	-31,02	81,81	87,5	110,766
143	143	147	STERR	-14,7	81,81	83,12	100,188
143	143	146	SSOVRdx	73,62	63,01	96,91	40,559
143	143	182	SSOVRdx	-256,81	63,01	264,43	166,214
143	143	183	SSOVRdx	-256,81	117,25	282,31	155,461
143	143	147	SSOVRdx	73,62	117,25	138,45	57,875
143	143	146	SSOVRsx	-83,9	-68,2	108,12	-140,895
143	143	182	SSOVRsx	229,52	-68,2	239,44	-16,548
143	143	183	SSOVRsx	229,52	-59,99	237,23	-14,647
143	143	147	SSOVRsx	-83,9	-59,99	103,14	-144,435
143	143	146	SW2	-1253,96	-1241,14	1764,33	-135,294
143	143	182	SW2	-1807,2	-1241,14	2192,36	-145,52
143	143	183	SW2	-1807,2	3756,25	4168,38	115,693
143	143	147	SW2	-1253,96	3756,25	3960,03	108,461
144	144	147	DEAD	98,12	299,79	315,44	71,876
144	144	183	DEAD	142,82	299,79	332,07	64,527
144	144	184	DEAD	142,82	-87,06	167,26	-31,365
144	144	148	DEAD	98,12	-87,06	131,18	-41,58
144	144	147	STERR	30,04	90,55	95,4	71,647
144	144	183	STERR	70,37	90,55	114,68	52,148
144	144	184	STERR	70,37	-5,96	70,62	-4,842
144	144	148	STERR	30,04	-5,96	30,63	-11,224
144	144	147	SSOVRdx	95,44	-41,43	104,05	-23,466
144	144	183	SSOVRdx	-207,58	-41,43	211,67	-168,712
144	144	184	SSOVRdx	-207,58	-57,96	215,52	-164,4
144	144	148	SSOVRdx	95,44	-57,96	111,66	-31,269
144	144	147	SSOVRsx	-78,07	105,76	131,46	126,436
144	144	183	SSOVRsx	265,35	105,76	285,65	21,73
144	144	184	SSOVRsx	265,35	60,41	272,14	12,826
144	144	148	SSOVRsx	-78,07	60,41	98,72	142,267
144	144	147	SW2	1234,24	3770,86	3967,71	71,876
144	144	183	SW2	1796,44	3770,86	4176,91	64,527
144	144	184	SW2	1796,44	-1095,03	2103,87	-31,365
144	144	148	SW2	1234,24	-1095,03	1649,98	-41,58
145	145	148	DEAD	4,62	-78,84	78,97	-86,646
145	145	184	DEAD	-7,13	-78,84	79,16	-95,166
145	145	185	DEAD	-7,13	22,24	23,36	107,768
145	145	149	DEAD	4,62	22,24	22,72	78,266
145	145	148	STERR	4,93	-5,81	7,62	-49,712
145	145	184	STERR	0,56	-5,81	5,84	-84,511
145	145	185	STERR	0,56	17,44	17,45	88,165
145	145	149	STERR	4,93	17,44	18,12	74,223
145	145	148	SSOVRdx	-32,59	-25,14	41,16	-142,359
145	145	184	SSOVRdx	-28,89	-25,14	38,29	-138,978
145	145	185	SSOVRdx	-28,89	2,73	29,02	174,601
145	145	149	SSOVRdx	-32,59	2,73	32,7	175,21
145	145	148	SSOVRsx	35,13	25,84	43,61	36,342
145	145	184	SSOVRsx	29,37	25,84	39,12	41,343
145	145	185	SSOVRsx	29,37	7,66	30,35	14,61
145	145	149	SSOVRsx	35,13	7,66	35,95	12,296
145	145	148	SW2	58,11	-991,66	993,36	-86,646
145	145	184	SW2	-89,66	-991,66	995,7	-95,166
145	145	185	SW2	-89,66	279,79	293,81	107,768

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
145	145	149	SW2	58,11	279,79	285,76	78,266
146	146	149	DEAD	-3,34	22,13	22,38	98,584
146	146	185	DEAD	8,31	22,13	23,64	69,418
146	146	186	DEAD	8,31	-77,54	77,98	-83,884
146	146	150	DEAD	-3,34	-77,54	77,61	-92,466
146	146	149	STERR	-32,56	20,92	38,7	147,273
146	146	185	STERR	-30,84	20,92	37,26	145,843
146	146	186	STERR	-30,84	-2,83	30,97	-174,759
146	146	150	STERR	-32,56	-2,83	32,68	-175,034
146	146	149	SSOVRdx	-42,98	7,54	43,63	170,053
146	146	185	SSOVRdx	-35,38	7,54	36,17	167,973
146	146	186	SSOVRdx	-35,38	25,17	43,42	144,576
146	146	150	SSOVRdx	-42,98	25,17	49,8	149,649
146	146	149	SSOVRsx	14,03	5,51	15,07	21,429
146	146	185	SSOVRsx	6,47	5,51	8,49	40,42
146	146	186	SSOVRsx	6,47	-17,28	18,45	-69,486
146	146	150	SSOVRsx	14,03	-17,28	22,26	-50,926
146	146	149	SW2	-42,01	278,31	281,47	98,584
146	146	185	SW2	104,51	278,31	297,29	69,418
146	146	186	SW2	104,51	-975,32	980,91	-83,884
146	146	150	SW2	-42,01	-975,32	976,23	-92,466
147	147	150	DEAD	-90,84	-85,75	124,92	-136,65
147	147	186	DEAD	-128,05	-85,75	154,11	-146,193
147	147	187	DEAD	-128,05	272,17	300,79	115,197
147	147	151	DEAD	-90,84	272,17	286,93	108,456
147	147	150	STERR	-97,8	1,49	97,81	179,127
147	147	186	STERR	-215,53	1,49	215,53	179,604
147	147	187	STERR	-215,53	295,04	365,38	126,148
147	147	151	STERR	-97,8	295,04	310,83	108,339
147	147	150	SSOVRdx	91,53	69,07	114,67	37,036
147	147	186	SSOVRdx	-379,15	69,07	385,38	169,676
147	147	187	SSOVRdx	-379,15	240,5	448,99	147,613
147	147	151	SSOVRdx	91,53	240,5	257,33	69,163
147	147	150	SSOVRsx	-160,47	-55,83	169,9	-160,817
147	147	186	SSOVRsx	212,11	-55,83	219,33	-14,746
147	147	187	SSOVRsx	212,11	-32,34	214,56	-8,669
147	147	151	SSOVRsx	-160,47	-32,34	163,69	-168,606
147	147	150	SW2	-1142,56	-1078,57	1571,23	-136,65
147	147	186	SW2	-1610,71	-1078,57	1938,48	-146,193
147	147	187	SW2	-1610,71	3423,46	3783,45	115,197
147	147	151	SW2	-1142,56	3423,46	3609,09	108,456
148	148	151	DEAD	94,95	268,93	285,2	70,554
148	148	187	DEAD	119,36	268,93	294,23	66,066
148	148	188	DEAD	119,36	-85,47	146,81	-35,606
148	148	152	DEAD	94,95	-85,47	127,75	-41,995
148	148	151	STERR	58,85	320,89	326,25	79,608
148	148	187	STERR	278,45	320,89	424,86	49,05
148	148	188	STERR	278,45	18,77	279,08	3,856
148	148	152	STERR	58,85	18,77	61,77	17,688
148	148	151	SSOVRdx	168,8	40,11	173,5	13,367
148	148	187	SSOVRdx	-151,45	40,11	156,67	165,165
148	148	188	SSOVRdx	-151,45	-75,91	169,41	-153,377
148	148	152	SSOVRdx	168,8	-75,91	185,09	-24,215
148	148	151	SSOVRsx	-132,74	189,84	231,65	124,961
148	148	187	SSOVRsx	371,51	189,84	417,2	27,067
148	148	188	SSOVRsx	371,51	104,1	385,82	15,654
148	148	152	SSOVRsx	-132,74	104,1	168,69	141,894
148	148	151	SW2	1194,26	3382,69	3587,32	70,554
148	148	187	SW2	1501,39	3382,69	3700,92	66,066
148	148	188	SW2	1501,39	-1075,12	1846,64	-35,606
148	148	152	SW2	1194,26	-1075,12	1606,91	-41,995
149	149	152	DEAD	2,6	-76,83	76,87	-88,064
149	149	188	DEAD	-6,47	-76,83	77,1	-94,818
149	149	189	DEAD	-6,47	10,13	12,02	122,593
149	149	153	DEAD	2,6	10,13	10,45	75,619
149	149	152	STERR	36,42	3,67	36,6	5,753
149	149	188	STERR	33,67	3,67	33,87	6,219
149	149	189	STERR	33,67	15,66	37,14	24,94
149	149	153	STERR	36,42	15,66	39,64	23,267
149	149	152	SSOVRdx	-0,19	-39,72	39,72	-90,271

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
149	149	188	SSOVRdx	4,36	-39,72	39,96	-83,74
149	149	189	SSOVRdx	4,36	6,85	8,12	57,552
149	149	153	SSOVRdx	-0,19	6,85	6,86	91,57
149	149	152	SSOVRsx	31,88	53,63	62,39	59,27
149	149	188	SSOVRsx	26,19	53,63	59,68	63,971
149	149	189	SSOVRsx	26,19	3,54	26,43	7,701
149	149	153	SSOVRsx	31,88	3,54	32,08	6,339
149	149	152	SW2	32,66	-966,33	966,88	-88,064
149	149	188	SW2	-81,44	-966,33	969,76	-94,818
149	149	189	SW2	-81,44	127,38	151,19	122,593
149	149	153	SW2	32,66	127,38	131,51	75,619
150	150	153	DEAD	-0,91	10,91	10,95	94,749
150	150	189	DEAD	3,22	10,91	11,38	73,574
150	150	190	DEAD	3,22	-9,01	9,57	-70,357
150	150	154	DEAD	-0,91	-9,01	9,06	-95,744
150	150	153	STERR	6,54	11,53	13,25	60,451
150	150	189	STERR	8,58	11,53	14,37	53,35
150	150	190	STERR	8,58	-0,01875	8,58	-0,125
150	150	154	STERR	6,54	-0,01875	6,54	-0,164
150	150	153	SSOVRdx	-0,5	6,32	6,34	94,49
150	150	189	SSOVRdx	2,4	6,32	6,76	69,192
150	150	190	SSOVRdx	2,4	-3,01	3,85	-51,405
150	150	154	SSOVRdx	-0,5	-3,01	3,05	-99,365
150	150	153	SSOVRsx	8,32	0,95	8,38	6,539
150	150	189	SSOVRsx	3,96	0,95	4,07	13,548
150	150	190	SSOVRsx	3,96	2,83	4,87	35,603
150	150	154	SSOVRsx	8,32	2,83	8,79	18,808
150	150	153	SW2	-11,4	137,26	137,73	94,749
150	150	189	SW2	40,47	137,26	143,1	73,574
150	150	190	SW2	40,47	-113,37	120,38	-70,357
150	150	154	SW2	-11,4	-113,37	113,94	-95,744
151	151	155	DEAD	-11,36	-15,65	19,33	-125,968
151	151	191	DEAD	-31,76	-15,65	35,41	-153,771
151	151	192	DEAD	-31,76	-1,53	31,8	-177,236
151	151	156	DEAD	-11,36	-1,53	11,46	-172,311
151	151	155	STERR	17,5	39,13	42,87	65,909
151	151	191	STERR	80,69	39,13	89,68	25,873
151	151	192	STERR	80,69	-1,58	80,7	-1,122
151	151	156	STERR	17,5	-1,58	17,57	-5,163
151	151	155	SSOVRdx	-66,54	15,29	68,28	167,055
151	151	191	SSOVRdx	-30,94	15,29	34,52	153,696
151	151	192	SSOVRdx	-30,94	27,85	41,63	138,015
151	151	156	SSOVRdx	-66,54	27,85	72,13	157,292
151	151	155	SSOVRsx	65,16	6,38	65,48	5,594
151	151	191	SSOVRsx	64,73	6,38	65,04	5,632
151	151	192	SSOVRsx	64,73	-27,98	70,52	-23,38
151	151	156	SSOVRsx	65,16	-27,98	70,92	-23,241
151	151	155	SW2	-142,84	-196,83	243,2	-125,968
151	151	191	SW2	-399,5	-196,83	445,36	-153,771
151	151	192	SW2	-399,5	-19,29	399,97	-177,236
151	151	156	SW2	-142,84	-19,29	144,13	-172,311
152	152	156	DEAD	13,02	2,38	13,24	10,366
152	152	192	DEAD	-8,49	2,38	8,82	164,331
152	152	193	DEAD	-8,49	73,82	74,31	96,563
152	152	157	DEAD	13,02	73,82	74,96	79,994
152	152	156	STERR	-2,68	-13,21	13,48	-101,459
152	152	192	STERR	-1,67	-13,21	13,31	-97,19
152	152	193	STERR	-1,67	17,7	17,78	95,377
152	152	157	STERR	-2,68	17,7	17,91	98,6
152	152	156	SSOVRdx	-39,74	25,13	47,02	147,693
152	152	192	SSOVRdx	-68,82	25,13	73,27	159,942
152	152	193	SSOVRdx	-68,82	-18,15	71,17	-165,229
152	152	157	SSOVRdx	-39,74	-18,15	43,69	-155,456
152	152	156	SSOVRsx	37,53	-31,79	49,18	-40,266
152	152	192	SSOVRsx	67,98	-31,79	75,04	-25,064
152	152	193	SSOVRsx	67,98	27,86	73,46	22,289
152	152	157	SSOVRsx	37,53	27,86	46,74	36,591
152	152	156	SW2	163,83	29,97	166,55	10,366
152	152	192	SW2	-106,83	29,97	110,96	164,331
152	152	193	SW2	-106,83	928,57	934,7	96,563

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
152	152	157	SW2	163,83	928,57	942,92	79,994
153	153	157	DEAD	-135,42	86,02	160,42	147,576
153	153	193	DEAD	-121,77	86,02	149,08	144,763
153	153	194	DEAD	-121,77	-242,89	271,7	-116,626
153	153	158	DEAD	-135,42	-242,89	278,09	-119,14
153	153	157	STERR	-28,9	18,23	34,17	147,761
153	153	193	STERR	-21,17	18,23	27,94	139,276
153	153	194	STERR	-21,17	-48,75	53,15	-113,477
153	153	158	STERR	-28,9	-48,75	56,67	-120,661
153	153	157	SSOVRdx	-239,82	-54,44	245,93	-167,211
153	153	193	SSOVRdx	143,72	-54,44	153,68	-20,747
153	153	194	SSOVRdx	143,72	-92,47	170,9	-32,758
153	153	158	SSOVRdx	-239,82	-92,47	257,03	-158,914
153	153	157	SSOVRsx	234,35	64,89	243,17	15,477
153	153	193	SSOVRsx	-152,08	64,89	165,34	156,893
153	153	194	SSOVRsx	-152,08	71,55	168,07	154,804
153	153	158	SSOVRsx	234,35	71,55	245,03	16,978
153	153	157	SW2	-1703,29	1081,94	2017,87	147,576
153	153	193	SW2	-1531,62	1081,94	1875,22	144,763
153	153	194	SW2	-1531,62	-3055,16	3417,58	-116,626
153	153	158	SW2	-1703,29	-3055,16	3497,88	-119,14
154	154	158	DEAD	129,45	-242,53	274,92	-61,909
154	154	194	DEAD	128,06	-242,53	274,27	-62,166
154	154	195	DEAD	128,06	78,96	150,44	31,658
154	154	159	DEAD	129,45	78,96	151,63	31,38
154	154	158	STERR	-10,78	-41,21	42,6	-104,663
154	154	194	STERR	25,82	-41,21	48,63	-57,937
154	154	195	STERR	25,82	21,72	33,74	40,081
154	154	159	STERR	-10,78	21,72	24,25	116,4
154	154	158	SSOVRdx	-252,13	90,86	268,01	160,182
154	154	194	SSOVRdx	156,72	90,86	181,16	30,103
154	154	195	SSOVRdx	156,72	59,79	167,74	20,883
154	154	159	SSOVRdx	-252,13	59,79	259,13	166,659
154	154	158	SSOVRsx	227,46	-104,78	250,43	-24,734
154	154	194	SSOVRsx	-143,94	-104,78	178,04	-143,948
154	154	195	SSOVRsx	-143,94	-46,04	151,13	-162,263
154	154	159	SSOVRsx	227,46	-46,04	232,07	-11,443
154	154	158	SW2	1628,31	-3050,68	3458,04	-61,909
154	154	194	SW2	1610,73	-3050,68	3449,79	-62,166
154	154	195	SW2	1610,73	993,16	1892,3	31,658
154	154	159	SW2	1628,31	993,16	1907,29	31,38
155	155	159	DEAD	-8,54	66,79	67,33	97,284
155	155	195	DEAD	5,42	66,79	67,01	85,358
155	155	196	DEAD	5,42	-10,77	12,05	-63,264
155	155	160	DEAD	-8,54	-10,77	13,74	-128,413
155	155	159	STERR	-6,02	15,54	16,66	111,178
155	155	195	STERR	1,98	15,54	15,66	82,729
155	155	196	STERR	1,98	-9,23	9,44	-77,885
155	155	160	STERR	-6,02	-9,23	11,02	-123,098
155	155	159	SSOVRdx	-29,22	22,28	36,75	142,68
155	155	195	SSOVRdx	-45,34	22,28	50,51	153,83
155	155	196	SSOVRdx	-45,34	-7,45	45,94	-170,671
155	155	160	SSOVRdx	-29,22	-7,45	30,16	-165,703
155	155	159	SSOVRsx	25,72	-13,19	28,9	-27,162
155	155	195	SSOVRsx	45,62	-13,19	47,49	-16,132
155	155	196	SSOVRsx	45,62	-1,51	45,64	-1,9
155	155	160	SSOVRsx	25,72	-1,51	25,76	-3,368
155	155	159	SW2	-107,38	840,07	846,91	97,284
155	155	195	SW2	68,21	840,07	842,84	85,358
155	155	196	SW2	68,21	-135,41	151,62	-63,264
155	155	160	SW2	-107,38	-135,41	172,82	-128,413
156	156	160	DEAD	6,86	-10,59	12,62	-57,056
156	156	196	DEAD	-7,85	-10,59	13,19	-126,558
156	156	197	DEAD	-7,85	62,04	62,54	97,215
156	156	161	DEAD	6,86	62,04	62,42	83,687
156	156	160	STERR	36,25	-12,6	38,38	-19,161
156	156	196	STERR	46	-12,6	47,69	-15,316
156	156	197	STERR	46	65,11	79,72	54,762
156	156	161	STERR	36,25	65,11	74,52	60,892
156	156	160	SSOVRdx	-6,28	-4,94	7,99	-141,825

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
156	156	196	SSOVRdx	-18,61	-4,94	19,25	-165,134
156	156	197	SSOVRdx	-18,61	-12,63	22,49	-145,83
156	156	161	SSOVRdx	-6,28	-12,63	14,11	-116,445
156	156	160	SSOVRsx	37,87	-6,62	38,45	-9,911
156	156	196	SSOVRsx	60,79	-6,62	61,15	-6,213
156	156	197	SSOVRsx	60,79	57,08	83,39	43,2
156	156	161	SSOVRsx	37,87	57,08	68,5	56,438
156	156	160	SW2	86,33	-133,23	158,76	-57,056
156	156	196	SW2	-98,79	-133,23	165,86	-126,558
156	156	197	SW2	-98,79	780,41	786,64	97,215
156	156	161	SW2	86,33	780,41	785,17	83,687
157	157	161	DEAD	-128,19	74,03	148,03	149,993
157	157	197	DEAD	-124,75	74,03	145,06	149,312
157	157	198	DEAD	-124,75	-230,63	262,2	-118,409
157	157	162	DEAD	-128,19	-230,63	263,86	-119,067
157	157	161	STERR	68,91	65,7	95,2	43,633
157	157	197	STERR	-8,31	65,7	66,22	97,21
157	157	198	STERR	-8,31	-43,22	44,01	-100,884
157	157	162	STERR	68,91	-43,22	81,34	-32,097
157	157	161	SSOVRdx	-221,75	-60,57	229,87	-164,723
157	157	197	SSOVRdx	249,89	-60,57	257,13	-13,624
157	157	198	SSOVRdx	249,89	-89,93	265,58	-19,792
157	157	162	SSOVRdx	-221,75	-89,93	239,29	-157,926
157	157	161	SSOVRsx	304,98	104,49	322,38	18,912
157	157	197	SSOVRsx	-236,02	104,49	258,12	156,121
157	157	198	SSOVRsx	-236,02	90,63	252,83	158,995
157	157	162	SSOVRsx	304,98	90,63	318,16	16,55
157	157	161	SW2	-1612,45	931,21	1862,03	149,993
157	157	197	SW2	-1569,11	931,21	1824,63	149,312
157	157	198	SW2	-1569,11	-2900,88	3298,07	-118,409
157	157	162	SW2	-1612,45	-2900,88	3318,91	-119,067
158	158	162	DEAD	136,56	-233,67	270,64	-59,698
158	158	198	DEAD	115,63	-233,67	260,71	-63,671
158	158	199	DEAD	115,63	69,56	134,94	31,03
158	158	163	DEAD	136,56	69,56	153,25	26,994
158	158	162	STERR	-131,65	-14,59	132,46	-173,676
158	158	198	STERR	66,95	-14,59	68,52	-12,295
158	158	199	STERR	66,95	84,89	108,11	51,74
158	158	163	STERR	-131,65	84,89	156,65	147,186
158	158	162	SSOVRdx	-361,32	154,35	392,91	156,869
158	158	198	SSOVRdx	231,67	154,35	278,37	33,673
158	158	199	SSOVRdx	231,67	89,48	248,35	21,12
158	158	163	SSOVRdx	-361,32	89,48	372,24	166,09
158	158	162	SSOVRsx	225,17	-129,58	259,79	-29,921
158	158	198	SSOVRsx	-195,39	-129,58	234,46	-146,448
158	158	199	SSOVRsx	-195,39	-29,62	197,63	-171,38
158	158	163	SSOVRsx	225,17	-29,62	227,11	-7,494
158	158	162	SW2	1717,64	-2939,13	3404,23	-59,698
158	158	198	SW2	1454,45	-2939,13	3279,32	-63,671
158	158	199	SW2	1454,45	874,96	1697,35	31,03
158	158	163	SW2	1717,64	874,96	1927,66	26,994
159	159	163	DEAD	-5,95	59,33	59,63	95,724
159	159	199	DEAD	7,17	59,33	59,76	83,114
159	159	200	DEAD	7,17	-4,62	8,52	-32,787
159	159	164	DEAD	-5,95	-4,62	7,53	-142,19
159	159	163	STERR	-39,58	71,83	82,02	118,854
159	159	199	STERR	-55,25	71,83	90,62	127,563
159	159	200	STERR	-55,25	-10,11	56,16	-169,631
159	159	164	STERR	-39,58	-10,11	40,85	-165,673
159	159	163	SSOVRdx	-26,8	37,53	46,12	125,529
159	159	199	SSOVRdx	-54,03	37,53	65,78	145,214
159	159	200	SSOVRdx	-54,03	-11,03	55,14	-168,459
159	159	164	SSOVRdx	-26,8	-11,03	28,98	-157,625
159	159	163	SSOVRsx	-6,7	12,51	14,19	118,171
159	159	199	SSOVRsx	4,32	12,51	13,23	70,969
159	159	200	SSOVRsx	4,32	1,02	4,44	13,347
159	159	164	SSOVRsx	-6,7	1,02	6,78	171,312
159	159	163	SW2	-74,81	746,32	750,06	95,724
159	159	199	SW2	90,12	746,32	751,74	83,114
159	159	200	SW2	90,12	-58,05	107,2	-32,787

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
159	159	164	SW2	-74,81	-58,05	94,7	-142,19
160	160	164	DEAD	2,45	-4,64	5,25	-62,161
160	160	200	DEAD	-3,24	-4,64	5,66	-124,957
160	160	201	DEAD	-3,24	10,41	10,9	107,313
160	160	165	DEAD	2,45	10,41	10,69	76,749
160	160	164	STERR	-4,68	-5,23	7,02	-131,799
160	160	200	STERR	-15,25	-5,23	16,12	-161,062
160	160	201	STERR	-15,25	2,05	15,38	172,347
160	160	165	STERR	-4,68	2,05	5,11	156,346
160	160	164	SSOVRdx	-3,41	-7,22	7,99	-115,314
160	160	200	SSOVRdx	-7,48	-7,22	10,39	-136,006
160	160	201	SSOVRdx	-7,48	-6,69	10,03	-138,175
160	160	165	SSOVRdx	-3,41	-6,69	7,51	-117,036
160	160	164	SSOVRsx	-0,75	0,88	1,16	130,451
160	160	200	SSOVRsx	-2,38	0,88	2,53	159,704
160	160	201	SSOVRsx	-2,38	3,7	4,4	122,719
160	160	165	SSOVRsx	-0,75	3,7	3,78	101,452
160	160	164	SW2	30,82	-58,36	66	-62,161
160	160	200	SW2	-40,8	-58,36	71,2	-124,957
160	160	201	SW2	-40,8	130,88	137,09	107,313
160	160	165	SW2	30,82	130,88	134,46	76,749
161	161	180	DEAD	11,36	15,65	19,33	54,032
161	161	202	DEAD	31,76	15,65	35,41	26,229
161	161	203	DEAD	31,76	1,53	31,8	2,764
161	161	181	DEAD	11,36	1,53	11,46	7,689
161	161	180	STERR	-17,5	-39,13	42,87	-114,091
161	161	202	STERR	-80,69	-39,13	89,68	-154,127
161	161	203	STERR	-80,69	1,58	80,7	178,878
161	161	181	STERR	-17,5	1,58	17,57	174,837
161	161	180	SSOVRdx	-65,16	-6,38	65,48	-174,406
161	161	202	SSOVRdx	-64,73	-6,38	65,04	-174,368
161	161	203	SSOVRdx	-64,73	27,98	70,52	156,62
161	161	181	SSOVRdx	-65,16	27,98	70,92	156,759
161	161	180	SSOVRsx	66,54	-15,29	68,28	-12,945
161	161	202	SSOVRsx	30,94	-15,29	34,52	-26,304
161	161	203	SSOVRsx	30,94	-27,85	41,63	-41,985
161	161	181	SSOVRsx	66,54	-27,85	72,13	-22,708
161	161	180	SW2	142,84	196,83	243,2	54,032
161	161	202	SW2	399,5	196,83	445,36	26,229
161	161	203	SW2	399,5	19,29	399,97	2,764
161	161	181	SW2	142,84	19,29	144,13	7,689
162	162	181	DEAD	-13,02	-2,38	13,24	-169,634
162	162	203	DEAD	8,49	-2,38	8,82	-15,669
162	162	204	DEAD	8,49	-73,82	74,31	-83,437
162	162	182	DEAD	-13,02	-73,82	74,96	-100,006
162	162	181	STERR	2,68	13,21	13,48	78,541
162	162	203	STERR	1,67	13,21	13,31	82,81
162	162	204	STERR	1,67	-17,7	17,78	-84,623
162	162	182	STERR	2,68	-17,7	17,91	-81,4
162	162	181	SSOVRdx	-37,53	31,79	49,18	139,734
162	162	203	SSOVRdx	-67,98	31,79	75,04	154,936
162	162	204	SSOVRdx	-67,98	-27,86	73,46	-157,711
162	162	182	SSOVRdx	-37,53	-27,86	46,74	-143,409
162	162	181	SSOVRsx	39,74	-25,13	47,02	-32,307
162	162	203	SSOVRsx	68,82	-25,13	73,27	-20,058
162	162	204	SSOVRsx	68,82	18,15	71,17	14,771
162	162	182	SSOVRsx	39,74	18,15	43,69	24,544
162	162	181	SW2	-163,83	-29,97	166,55	-169,634
162	162	203	SW2	106,83	-29,97	110,96	-15,669
162	162	204	SW2	106,83	-928,57	934,7	-83,437
162	162	182	SW2	-163,83	-928,57	942,92	-100,006
163	163	182	DEAD	135,42	-86,02	160,42	-32,424
163	163	204	DEAD	121,77	-86,02	149,08	-35,237
163	163	205	DEAD	121,77	242,89	271,7	63,374
163	163	183	DEAD	135,42	242,89	278,09	60,86
163	163	182	STERR	28,9	-18,23	34,17	-32,239
163	163	204	STERR	21,17	-18,23	27,94	-40,724
163	163	205	STERR	21,17	48,75	53,15	66,523
163	163	183	STERR	28,9	48,75	56,67	59,339
163	163	182	SSOVRdx	-234,35	-64,89	243,17	-164,523

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
163	163	204	SSOVRdx	152,08	-64,89	165,34	-23,107
163	163	205	SSOVRdx	152,08	-71,55	168,07	-25,196
163	163	183	SSOVRdx	-234,35	-71,55	245,03	-163,022
163	163	182	SSOVRsx	239,82	54,44	245,93	12,789
163	163	204	SSOVRsx	-143,72	54,44	153,68	159,253
163	163	205	SSOVRsx	-143,72	92,47	170,9	147,242
163	163	183	SSOVRsx	239,82	92,47	257,03	21,086
163	163	182	SW2	1703,29	-1081,94	2017,87	-32,424
163	163	204	SW2	1531,62	-1081,94	1875,22	-35,237
163	163	205	SW2	1531,62	3055,16	3417,58	63,374
163	163	183	SW2	1703,29	3055,16	3497,88	60,86
164	164	183	DEAD	-129,45	242,53	274,92	118,091
164	164	205	DEAD	-128,06	242,53	274,27	117,834
164	164	206	DEAD	-128,06	-78,96	150,44	-148,342
164	164	184	DEAD	-129,45	-78,96	151,63	-148,62
164	164	183	STERR	10,78	41,21	42,6	75,337
164	164	205	STERR	-25,82	41,21	48,63	122,063
164	164	206	STERR	-25,82	-21,72	33,74	-139,919
164	164	184	STERR	10,78	-21,72	24,25	-63,6
164	164	183	SSOVRdx	-227,46	104,78	250,43	155,266
164	164	205	SSOVRdx	143,94	104,78	178,04	36,052
164	164	206	SSOVRdx	143,94	46,04	151,13	17,737
164	164	184	SSOVRdx	-227,46	46,04	232,07	168,557
164	164	183	SSOVRsx	252,13	-90,86	268,01	-19,818
164	164	205	SSOVRsx	-156,72	-90,86	181,16	-149,897
164	164	206	SSOVRsx	-156,72	-59,79	167,74	-159,117
164	164	184	SSOVRsx	252,13	-59,79	259,13	-13,341
164	164	183	SW2	-1628,31	3050,68	3458,04	118,091
164	164	205	SW2	-1610,73	3050,68	3449,79	117,834
164	164	206	SW2	-1610,73	-993,16	1892,3	-148,342
164	164	184	SW2	-1628,31	-993,16	1907,29	-148,62
165	165	184	DEAD	8,54	-66,79	67,33	-82,716
165	165	206	DEAD	-5,42	-66,79	67,01	-94,642
165	165	207	DEAD	-5,42	10,77	12,05	116,736
165	165	185	DEAD	8,54	10,77	13,74	51,587
165	165	184	STERR	6,02	-15,54	16,66	-68,822
165	165	206	STERR	-1,98	-15,54	15,66	-97,271
165	165	207	STERR	-1,98	9,23	9,44	102,115
165	165	185	STERR	6,02	9,23	11,02	56,902
165	165	184	SSOVRdx	-25,72	13,19	28,9	152,838
165	165	206	SSOVRdx	-45,62	13,19	47,49	163,868
165	165	207	SSOVRdx	-45,62	1,51	45,64	178,1
165	165	185	SSOVRdx	-25,72	1,51	25,76	176,632
165	165	184	SSOVRsx	29,22	-22,28	36,75	-37,32
165	165	206	SSOVRsx	45,34	-22,28	50,51	-26,17
165	165	207	SSOVRsx	45,34	7,45	45,94	9,329
165	165	185	SSOVRsx	29,22	7,45	30,16	14,297
165	165	184	SW2	107,38	-840,07	846,91	-82,716
165	165	206	SW2	-68,21	-840,07	842,84	-94,642
165	165	207	SW2	-68,21	135,41	151,62	116,736
165	165	185	SW2	107,38	135,41	172,82	51,587
166	166	185	DEAD	-6,86	10,59	12,62	122,944
166	166	207	DEAD	7,85	10,59	13,19	53,442
166	166	208	DEAD	7,85	-62,04	62,54	-82,785
166	166	186	DEAD	-6,86	-62,04	62,42	-96,313
166	166	185	STERR	-36,25	12,6	38,38	160,839
166	166	207	STERR	-46	12,6	47,69	164,684
166	166	208	STERR	-46	-65,11	79,72	-125,238
166	166	186	STERR	-36,25	-65,11	74,52	-119,108
166	166	185	SSOVRdx	-37,87	6,62	38,45	170,089
166	166	207	SSOVRdx	-60,79	6,62	61,15	173,787
166	166	208	SSOVRdx	-60,79	-57,08	83,39	-136,8
166	166	186	SSOVRdx	-37,87	-57,08	68,5	-123,562
166	166	185	SSOVRsx	6,28	4,94	7,99	38,175
166	166	207	SSOVRsx	18,61	4,94	19,25	14,866
166	166	208	SSOVRsx	18,61	12,63	22,49	34,17
166	166	186	SSOVRsx	6,28	12,63	14,11	63,555
166	166	185	SW2	-86,33	133,23	158,76	122,944
166	166	207	SW2	98,79	133,23	165,86	53,442
166	166	208	SW2	98,79	-780,41	786,64	-82,785

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
166	166	186	SW2	-86,33	-780,41	785,17	-96,313
167	167	186	DEAD	128,19	-74,03	148,03	-30,007
167	167	208	DEAD	124,75	-74,03	145,06	-30,688
167	167	209	DEAD	124,75	230,63	262,2	61,591
167	167	187	DEAD	128,19	230,63	263,86	60,933
167	167	186	STERR	-68,91	-65,7	95,2	-136,367
167	167	208	STERR	8,31	-65,7	66,22	-82,79
167	167	209	STERR	8,31	43,22	44,01	79,116
167	167	187	STERR	-68,91	43,22	81,34	147,903
167	167	186	SSOVRdx	-304,98	-104,49	322,38	-161,088
167	167	208	SSOVRdx	236,02	-104,49	258,12	-23,879
167	167	209	SSOVRdx	236,02	-90,63	252,83	-21,005
167	167	187	SSOVRdx	-304,98	-90,63	318,16	-163,45
167	167	186	SSOVRsx	221,75	60,57	229,87	15,277
167	167	208	SSOVRsx	-249,89	60,57	257,13	166,376
167	167	209	SSOVRsx	-249,89	89,93	265,58	160,208
167	167	187	SSOVRsx	221,75	89,93	239,29	22,074
167	167	186	SW2	1612,45	-931,21	1862,03	-30,007
167	167	208	SW2	1569,11	-931,21	1824,63	-30,688
167	167	209	SW2	1569,11	2900,88	3298,07	61,591
167	167	187	SW2	1612,45	2900,88	3318,91	60,933
168	168	187	DEAD	-136,56	233,67	270,64	120,302
168	168	209	DEAD	-115,63	233,67	260,71	116,329
168	168	210	DEAD	-115,63	-69,56	134,94	-148,97
168	168	188	DEAD	-136,56	-69,56	153,25	-153,006
168	168	187	STERR	131,65	14,59	132,46	6,324
168	168	209	STERR	-66,95	14,59	68,52	167,705
168	168	210	STERR	-66,95	-84,89	108,11	-128,26
168	168	188	STERR	131,65	-84,89	156,65	-32,814
168	168	187	SSOVRdx	-225,17	129,58	259,79	150,079
168	168	209	SSOVRdx	195,39	129,58	234,46	33,552
168	168	210	SSOVRdx	195,39	29,62	197,63	8,62
168	168	188	SSOVRdx	-225,17	29,62	227,11	172,506
168	168	187	SSOVRsx	361,32	-154,35	392,91	-23,131
168	168	209	SSOVRsx	-231,67	-154,35	278,37	-146,327
168	168	210	SSOVRsx	-231,67	-89,48	248,35	-158,88
168	168	188	SSOVRsx	361,32	-89,48	372,24	-13,91
168	168	187	SW2	-1717,64	2939,13	3404,23	120,302
168	168	209	SW2	-1454,45	2939,13	3279,32	116,329
168	168	210	SW2	-1454,45	-874,96	1697,35	-148,97
168	168	188	SW2	-1717,64	-874,96	1927,66	-153,006
169	169	188	DEAD	5,95	-59,33	59,63	-84,276
169	169	210	DEAD	-7,17	-59,33	59,76	-96,886
169	169	211	DEAD	-7,17	4,62	8,52	147,213
169	169	189	DEAD	5,95	4,62	7,53	37,81
169	169	188	STERR	39,58	-71,83	82,02	-61,146
169	169	210	STERR	55,25	-71,83	90,62	-52,437
169	169	211	STERR	55,25	10,11	56,16	10,369
169	169	189	STERR	39,58	10,11	40,85	14,327
169	169	188	SSOVRdx	6,7	-12,51	14,19	-61,829
169	169	210	SSOVRdx	-4,32	-12,51	13,23	-109,031
169	169	211	SSOVRdx	-4,32	-1,02	4,44	-166,653
169	169	189	SSOVRdx	6,7	-1,02	6,78	-8,688
169	169	188	SSOVRsx	26,8	-37,53	46,12	-54,471
169	169	210	SSOVRsx	54,03	-37,53	65,78	-34,786
169	169	211	SSOVRsx	54,03	11,03	55,14	11,541
169	169	189	SSOVRsx	26,8	11,03	28,98	22,375
169	169	188	SW2	74,81	-746,32	750,06	-84,276
169	169	210	SW2	-90,12	-746,32	751,74	-96,886
169	169	211	SW2	-90,12	58,05	107,2	147,213
169	169	189	SW2	74,81	58,05	94,7	37,81
170	170	189	DEAD	-2,45	4,64	5,25	117,839
170	170	211	DEAD	3,24	4,64	5,66	55,043
170	170	212	DEAD	3,24	-10,41	10,9	-72,687
170	170	190	DEAD	-2,45	-10,41	10,69	-103,251
170	170	189	STERR	4,68	5,23	7,02	48,201
170	170	211	STERR	15,25	5,23	16,12	18,938
170	170	212	STERR	15,25	-2,05	15,38	-7,653
170	170	190	STERR	4,68	-2,05	5,11	-23,654
170	170	189	SSOVRdx	0,75	-0,88	1,16	-49,549

Table: Element Forces - Area Shells, Part 4 of 4

Area	AreaElem	Joint	OutputCase	V13	V23	VMax	VAngle
				KN/m	KN/m	KN/m	Degrees
170	170	211	SSOVRdx	2,38	-0,88	2,53	-20,296
170	170	212	SSOVRdx	2,38	-3,7	4,4	-57,281
170	170	190	SSOVRdx	0,75	-3,7	3,78	-78,548
170	170	189	SSOVRsx	3,41	7,22	7,99	64,686
170	170	211	SSOVRsx	7,48	7,22	10,39	43,994
170	170	212	SSOVRsx	7,48	6,69	10,03	41,825
170	170	190	SSOVRsx	3,41	6,69	7,51	62,964
170	170	189	SW2	-30,82	58,36	66	117,839
170	170	211	SW2	40,8	58,36	71,2	55,043
170	170	212	SW2	40,8	-130,88	137,09	-72,687
170	170	190	SW2	-30,82	-130,88	134,46	-103,251

Table: Element Forces - Frames, Part 1 of 2

Table: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	CaseType	P	V2	V3	T	M2
	m			KN	KN	KN	KN-m	KN-m
1	0	DEAD	LinStatic	-17,368	-54,321	5,684E-14	0	0,2428
1	0,225	DEAD	LinStatic	-17,368	-50,779	5,684E-14	0	0,2428
1	0	STERR	LinStatic	-29,909	9,663E-13	-4,903E-13	7,028E-15	1,8711
1	0,225	STERR	LinStatic	-29,909	9,663E-13	-4,903E-13	7,028E-15	1,8711
1	0	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	40,1284
1	0,225	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	37,5639
1	0	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	-38,5168
1	0,225	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	-35,9523
1	0	SW2	LinStatic	-218,456	-683,273	1,023E-12	-1,421E-14	3,0544
1	0,225	SW2	LinStatic	-218,456	-638,711	1,023E-12	-1,421E-14	3,0544
2	0	DEAD	LinStatic	-4,543	-54,321	-1,137E-13	-7,105E-15	-0,7585
2	0,225	DEAD	LinStatic	-4,543	-50,779	-1,137E-13	-7,105E-15	-0,7585
2	0	STERR	LinStatic	-219,383	2,899E-12	-7,39E-13	1,539E-14	6,23
2	0,225	STERR	LinStatic	-219,383	2,899E-12	-7,39E-13	1,539E-14	6,23
2	0	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	53,6295
2	0,225	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	50,3032
2	0	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	-48,3749
2	0,225	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	-45,0486
2	0	SW2	LinStatic	-57,146	-683,273	1,137E-12	-4,263E-14	-9,5402
2	0,225	SW2	LinStatic	-57,146	-638,711	1,137E-12	-4,263E-14	-9,5402
3	0	DEAD	LinStatic	-17,368	-50,779	1,705E-13	0	0,2428
3	0,225	DEAD	LinStatic	-17,368	-47,236	1,705E-13	0	0,2428
3	0	STERR	LinStatic	-29,909	9,095E-13	-5,116E-13	7,028E-15	1,8711
3	0,225	STERR	LinStatic	-29,909	9,095E-13	-5,116E-13	7,028E-15	1,8711
3	0	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	37,5639
3	0,225	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	34,9994
3	0	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	-35,9523
3	0,225	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	-33,3877
3	0	SW2	LinStatic	-218,456	-638,711	1,364E-12	-1,421E-14	3,0544
3	0,225	SW2	LinStatic	-218,456	-594,15	1,364E-12	-1,421E-14	3,0544
4	0	DEAD	LinStatic	-4,543	-50,779	0	-7,105E-15	-0,7585
4	0,225	DEAD	LinStatic	-4,543	-47,236	0	-7,105E-15	-0,7585
4	0	STERR	LinStatic	-219,383	2,956E-12	-7,674E-13	1,539E-14	6,23
4	0,225	STERR	LinStatic	-219,383	2,956E-12	-7,674E-13	1,539E-14	6,23
4	0	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	50,3032
4	0,225	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	46,977
4	0	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	-45,0486
4	0,225	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	-41,7224
4	0	SW2	LinStatic	-57,146	-638,711	1,364E-12	-4,263E-14	-9,5402
4	0,225	SW2	LinStatic	-57,146	-594,15	1,364E-12	-4,263E-14	-9,5402
5	0	DEAD	LinStatic	-17,368	-47,236	9,948E-14	8,882E-16	0,2428
5	0,5	DEAD	LinStatic	-17,368	-39,363	9,948E-14	8,882E-16	0,2428
5	1	DEAD	LinStatic	-17,368	-31,491	9,948E-14	8,882E-16	0,2428
5	1,5	DEAD	LinStatic	-17,368	-23,618	9,948E-14	8,882E-16	0,2428
5	0	STERR	LinStatic	-29,909	9,379E-13	-5,116E-13	7,028E-15	1,8711
5	0,5	STERR	LinStatic	-29,909	9,379E-13	-5,116E-13	7,028E-15	1,8711
5	1	STERR	LinStatic	-29,909	9,379E-13	-5,116E-13	7,028E-15	1,8711
5	1,5	STERR	LinStatic	-29,909	9,379E-13	-5,116E-13	7,028E-15	1,8711
5	0	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	34,9994
5	0,5	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	29,3005
5	1	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	23,6015
5	1,5	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	17,9026
5	0	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	-33,3877

Table: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	CaseType	P	V2	V3	T	M2
	m			KN	KN	KN	KN-m	KN-m
5	0,5	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	-27,6888
5	1	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	-21,9899
5	1,5	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	-16,291
5	0	SW2	LinStatic	-218,456	-594,15	1,18E-12	-1,066E-14	3,0544
5	0,5	SW2	LinStatic	-218,456	-495,125	1,18E-12	-1,066E-14	3,0544
5	1	SW2	LinStatic	-218,456	-396,1	1,18E-12	-1,066E-14	3,0544
5	1,5	SW2	LinStatic	-218,456	-297,075	1,18E-12	-1,066E-14	3,0544
6	0	DEAD	LinStatic	-4,543	-47,236	1,35E-13	-2,665E-15	-0,7585
6	0,5	DEAD	LinStatic	-4,543	-39,363	1,35E-13	-2,665E-15	-0,7585
6	1	DEAD	LinStatic	-4,543	-31,491	1,35E-13	-2,665E-15	-0,7585
6	1,5	DEAD	LinStatic	-4,543	-23,618	1,35E-13	-2,665E-15	-0,7585
6	0	STERR	LinStatic	-219,383	2,842E-12	-8,171E-13	1,539E-14	6,23
6	0,5	STERR	LinStatic	-219,383	2,842E-12	-8,171E-13	1,539E-14	6,23
6	1	STERR	LinStatic	-219,383	2,842E-12	-8,171E-13	1,539E-14	6,23
6	1,5	STERR	LinStatic	-219,383	2,842E-12	-8,171E-13	1,539E-14	6,23
6	0	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	46,977
6	0,5	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	39,5854
6	1	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	32,1938
6	1,5	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	24,8022
6	0	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	-41,7224
6	0,5	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	-34,3308
6	1	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	-26,9392
6	1,5	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	-19,5476
6	0	SW2	LinStatic	-57,146	-594,15	1,677E-12	-3,197E-14	-9,5402
6	0,5	SW2	LinStatic	-57,146	-495,125	1,677E-12	-3,197E-14	-9,5402
6	1	SW2	LinStatic	-57,146	-396,1	1,677E-12	-3,197E-14	-9,5402
6	1,5	SW2	LinStatic	-57,146	-297,075	1,677E-12	-3,197E-14	-9,5402
7	0	DEAD	LinStatic	-17,368	-23,618	9,592E-14	2,665E-15	0,2428
7	0,5	DEAD	LinStatic	-17,368	-15,745	9,592E-14	2,665E-15	0,2428
7	1	DEAD	LinStatic	-17,368	-7,873	9,592E-14	2,665E-15	0,2428
7	1,5	DEAD	LinStatic	-17,368	-1,403E-13	9,592E-14	2,665E-15	0,2428
7	0	STERR	LinStatic	-29,909	9,379E-13	-5,009E-13	7,028E-15	1,8711
7	0,5	STERR	LinStatic	-29,909	9,379E-13	-5,009E-13	7,028E-15	1,8711
7	1	STERR	LinStatic	-29,909	9,379E-13	-5,009E-13	7,028E-15	1,8711
7	1,5	STERR	LinStatic	-29,909	9,379E-13	-5,009E-13	7,028E-15	1,8711
7	0	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	17,9026
7	0,5	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	12,2037
7	1	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	6,5047
7	1,5	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	0,8058
7	0	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	-16,291
7	0,5	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	-10,592
7	1	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	-4,8931
7	1,5	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	0,8058
7	0	SW2	LinStatic	-218,456	-297,075	1,183E-12	-1,243E-14	3,0544
7	0,5	SW2	LinStatic	-218,456	-198,05	1,183E-12	-1,243E-14	3,0544
7	1	SW2	LinStatic	-218,456	-99,025	1,183E-12	-1,243E-14	3,0544
7	1,5	SW2	LinStatic	-218,456	-1,62E-12	1,183E-12	-1,243E-14	3,0544
8	0	DEAD	LinStatic	-4,543	-23,618	1,421E-13	-4,441E-15	-0,7585
8	0,5	DEAD	LinStatic	-4,543	-15,745	1,421E-13	-4,441E-15	-0,7585
8	1	DEAD	LinStatic	-4,543	-7,873	1,421E-13	-4,441E-15	-0,7585
8	1,5	DEAD	LinStatic	-4,543	-3,109E-13	1,421E-13	-4,441E-15	-0,7585
8	0	STERR	LinStatic	-219,383	2,956E-12	-8,242E-13	1,539E-14	6,23
8	0,5	STERR	LinStatic	-219,383	2,956E-12	-8,242E-13	1,539E-14	6,23
8	1	STERR	LinStatic	-219,383	2,956E-12	-8,242E-13	1,539E-14	6,23
8	1,5	STERR	LinStatic	-219,383	2,956E-12	-8,242E-13	1,539E-14	6,23
8	0	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	24,8022
8	0,5	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	17,4105
8	1	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	10,0189
8	1,5	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	2,6273
8	0	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	-19,5476
8	0,5	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	-12,1559
8	1	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	-4,7643
8	1,5	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	2,6273
8	0	SW2	LinStatic	-57,146	-297,075	1,648E-12	-2,842E-14	-9,5402
8	0,5	SW2	LinStatic	-57,146	-198,05	1,648E-12	-2,842E-14	-9,5402
8	1	SW2	LinStatic	-57,146	-99,025	1,648E-12	-2,842E-14	-9,5402
8	1,5	SW2	LinStatic	-57,146	-4,803E-12	1,648E-12	-2,842E-14	-9,5402
9	0	DEAD	LinStatic	-17,368	-5,684E-14	9,948E-14	-8,882E-16	0,2428
9	0,5	DEAD	LinStatic	-17,368	7,873	9,948E-14	-8,882E-16	0,2428
9	1	DEAD	LinStatic	-17,368	15,745	9,948E-14	-8,882E-16	0,2428

Table: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	CaseType	P	V2	V3	T	M2
	m			KN	KN	KN	KN-m	KN-m
9	1,5	DEAD	LinStatic	-17,368	23,618	9,948E-14	-8,882E-16	0,2428
9	0	STERR	LinStatic	-29,909	9,379E-13	-5,116E-13	7,041E-15	1,8711
9	0,5	STERR	LinStatic	-29,909	9,379E-13	-5,116E-13	7,041E-15	1,8711
9	1	STERR	LinStatic	-29,909	9,379E-13	-5,116E-13	7,041E-15	1,8711
9	1,5	STERR	LinStatic	-29,909	9,379E-13	-5,116E-13	7,041E-15	1,8711
9	0	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	0,8058
9	0,5	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	-4,8931
9	1	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	-10,592
9	1,5	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	-16,291
9	0	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	0,8058
9	0,5	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	6,5047
9	1	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	12,2037
9	1,5	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	17,9026
9	0	SW2	LinStatic	-218,456	-9,095E-13	1,197E-12	-1,243E-14	3,0544
9	0,5	SW2	LinStatic	-218,456	99,025	1,197E-12	-1,243E-14	3,0544
9	1	SW2	LinStatic	-218,456	198,05	1,197E-12	-1,243E-14	3,0544
9	1,5	SW2	LinStatic	-218,456	297,075	1,197E-12	-1,243E-14	3,0544
10	0	DEAD	LinStatic	-4,543	-2,274E-13	1,279E-13	0	-0,7585
10	0,5	DEAD	LinStatic	-4,543	7,873	1,279E-13	0	-0,7585
10	1	DEAD	LinStatic	-4,543	15,745	1,279E-13	0	-0,7585
10	1,5	DEAD	LinStatic	-4,543	23,618	1,279E-13	0	-0,7585
10	0	STERR	LinStatic	-219,383	2,728E-12	-8,1E-13	1,535E-14	6,23
10	0,5	STERR	LinStatic	-219,383	2,728E-12	-8,1E-13	1,535E-14	6,23
10	1	STERR	LinStatic	-219,383	2,728E-12	-8,1E-13	1,535E-14	6,23
10	1,5	STERR	LinStatic	-219,383	2,728E-12	-8,1E-13	1,535E-14	6,23
10	0	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	2,6273
10	0,5	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	-4,7643
10	1	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	-12,1559
10	1,5	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	-19,5476
10	0	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	2,6273
10	0,5	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	10,0189
10	1	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	17,4105
10	1,5	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	24,8022
10	0	SW2	LinStatic	-57,146	-3,183E-12	1,563E-12	-2,132E-14	-9,5402
10	0,5	SW2	LinStatic	-57,146	99,025	1,563E-12	-2,132E-14	-9,5402
10	1	SW2	LinStatic	-57,146	198,05	1,563E-12	-2,132E-14	-9,5402
10	1,5	SW2	LinStatic	-57,146	297,075	1,563E-12	-2,132E-14	-9,5402
11	0	DEAD	LinStatic	-17,368	23,618	9,948E-14	0	0,2428
11	0,5	DEAD	LinStatic	-17,368	31,491	9,948E-14	0	0,2428
11	1	DEAD	LinStatic	-17,368	39,363	9,948E-14	0	0,2428
11	1,5	DEAD	LinStatic	-17,368	47,236	9,948E-14	0	0,2428
11	0	STERR	LinStatic	-29,909	9,095E-13	-5,098E-13	7,041E-15	1,8711
11	0,5	STERR	LinStatic	-29,909	9,095E-13	-5,098E-13	7,041E-15	1,8711
11	1	STERR	LinStatic	-29,909	9,095E-13	-5,098E-13	7,041E-15	1,8711
11	1,5	STERR	LinStatic	-29,909	9,095E-13	-5,098E-13	7,041E-15	1,8711
11	0	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	-16,291
11	0,5	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	-21,9899
11	1	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	-27,6888
11	1,5	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	-33,3877
11	0	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	17,9026
11	0,5	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	23,6015
11	1	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	29,3005
11	1,5	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	34,9994
11	0	SW2	LinStatic	-218,456	297,075	1,201E-12	-8,882E-15	3,0544
11	0,5	SW2	LinStatic	-218,456	396,1	1,201E-12	-8,882E-15	3,0544
11	1	SW2	LinStatic	-218,456	495,125	1,201E-12	-8,882E-15	3,0544
11	1,5	SW2	LinStatic	-218,456	594,15	1,201E-12	-8,882E-15	3,0544
12	0	DEAD	LinStatic	-4,543	23,618	1,208E-13	8,882E-16	-0,7585
12	0,5	DEAD	LinStatic	-4,543	31,491	1,208E-13	8,882E-16	-0,7585
12	1	DEAD	LinStatic	-4,543	39,363	1,208E-13	8,882E-16	-0,7585
12	1,5	DEAD	LinStatic	-4,543	47,236	1,208E-13	8,882E-16	-0,7585
12	0	STERR	LinStatic	-219,383	2,757E-12	-8,029E-13	1,535E-14	6,23
12	0,5	STERR	LinStatic	-219,383	2,757E-12	-8,029E-13	1,535E-14	6,23
12	1	STERR	LinStatic	-219,383	2,757E-12	-8,029E-13	1,535E-14	6,23
12	1,5	STERR	LinStatic	-219,383	2,757E-12	-8,029E-13	1,535E-14	6,23
12	0	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	-19,5476
12	0,5	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	-26,9392
12	1	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	-34,3308
12	1,5	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	-41,7224
12	0	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	24,8022

Table: Element Forces - Frames, Part 1 of 2

Frame	Station	OutputCase	CaseType	P	V2	V3	T	M2
	m			KN	KN	KN	KN-m	KN-m
12	0,5	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	32,1938
12	1	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	39,5854
12	1,5	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	46,977
12	0	SW2	LinStatic	-57,146	297,075	1,563E-12	-1,066E-14	-9,5402
12	0,5	SW2	LinStatic	-57,146	396,1	1,563E-12	-1,066E-14	-9,5402
12	1	SW2	LinStatic	-57,146	495,125	1,563E-12	-1,066E-14	-9,5402
12	1,5	SW2	LinStatic	-57,146	594,15	1,563E-12	-1,066E-14	-9,5402
13	0	DEAD	LinStatic	-17,368	47,236	1,705E-13	0	0,2428
13	0,225	DEAD	LinStatic	-17,368	50,779	1,705E-13	0	0,2428
13	0	STERR	LinStatic	-29,909	8,527E-13	-5,258E-13	7,041E-15	1,8711
13	0,225	STERR	LinStatic	-29,909	8,527E-13	-5,258E-13	7,041E-15	1,8711
13	0	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	-33,3877
13	0,225	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	-35,9523
13	0	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	34,9994
13	0,225	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	37,5639
13	0	SW2	LinStatic	-218,456	594,15	1,364E-12	-1,421E-14	3,0544
13	0,225	SW2	LinStatic	-218,456	638,711	1,364E-12	-1,421E-14	3,0544
14	0	DEAD	LinStatic	-4,543	47,236	1,137E-13	7,105E-15	-0,7585
14	0,225	DEAD	LinStatic	-4,543	50,779	1,137E-13	7,105E-15	-0,7585
14	0	STERR	LinStatic	-219,383	2,501E-12	-7,39E-13	1,535E-14	6,23
14	0,225	STERR	LinStatic	-219,383	2,501E-12	-7,39E-13	1,535E-14	6,23
14	0	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	-41,7224
14	0,225	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	-45,0486
14	0	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	46,977
14	0,225	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	50,3032
14	0	SW2	LinStatic	-57,146	594,15	1,819E-12	-1,421E-14	-9,5402
14	0,225	SW2	LinStatic	-57,146	638,711	1,819E-12	-1,421E-14	-9,5402
15	0	DEAD	LinStatic	-17,368	50,779	5,684E-14	0	0,2428
15	0,225	DEAD	LinStatic	-17,368	54,321	5,684E-14	0	0,2428
15	0	STERR	LinStatic	-29,909	9,095E-13	-5,187E-13	7,041E-15	1,8711
15	0,225	STERR	LinStatic	-29,909	9,095E-13	-5,187E-13	7,041E-15	1,8711
15	0	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	-35,9523
15	0,225	SSOVRdx	LinStatic	-18,068	0,266	11,398	-0,027	-38,5168
15	0	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	37,5639
15	0,225	SSOVRsx	LinStatic	-18,068	-0,266	-11,398	0,027	40,1284
15	0	SW2	LinStatic	-218,456	638,711	1,023E-12	-1,421E-14	3,0544
15	0,225	SW2	LinStatic	-218,456	683,273	1,023E-12	-1,421E-14	3,0544
16	0	DEAD	LinStatic	-4,543	50,779	1,137E-13	0	-0,7585
16	0,225	DEAD	LinStatic	-4,543	54,321	1,137E-13	0	-0,7585
16	0	STERR	LinStatic	-219,383	2,672E-12	-8,242E-13	1,535E-14	6,23
16	0,225	STERR	LinStatic	-219,383	2,672E-12	-8,242E-13	1,535E-14	6,23
16	0	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	-45,0486
16	0,225	SSOVRdx	LinStatic	-95,025	1,873	14,783	-0,066	-48,3749
16	0	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	50,3032
16	0,225	SSOVRsx	LinStatic	-95,025	-1,873	-14,783	0,066	53,6295
16	0	SW2	LinStatic	-57,146	638,711	1,819E-12	-2,842E-14	-9,5402
16	0,225	SW2	LinStatic	-57,146	683,272	1,819E-12	-2,842E-14	-9,5402

Table: Element Forces - Frames, Part 2 of 2

Table: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	M3	FrameElem	ElemStation
	m		KN-m		m
1	0	DEAD	-54,5268	1-1	0
1	0,225	DEAD	-42,7031	1-1	0,225
1	0	STERR	-11,7987	1-1	0
1	0,225	STERR	-11,7987	1-1	0,225
1	0	SSOVRdx	-2,3575	1-1	0
1	0,225	SSOVRdx	-2,4174	1-1	0,225
1	0	SSOVRsx	-4,1951	1-1	0
1	0,225	SSOVRsx	-4,1352	1-1	0,225
1	0	SW2	-685,8558	1-1	0
1	0,225	SW2	-537,1326	1-1	0,225
2	0	DEAD	-51,4956	2-1	0
2	0,225	DEAD	-39,6718	2-1	0,225
2	0	STERR	-30,1953	2-1	0
2	0,225	STERR	-30,1953	2-1	0,225
2	0	SSOVRdx	-2,2531	2-1	0
2	0,225	SSOVRdx	-2,6746	2-1	0,225
2	0	SSOVRsx	-15,1784	2-1	0

Table: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	M3	FrameElem	ElemStation
	m		KN-m		m
2	0,225	SSOVRsx	-14,757	2-1	0,225
2	0	SW2	-647,7276	2-1	0
2	0,225	SW2	-499,0044	2-1	0,225
3	0	DEAD	-42,7031	3-1	0
3	0,225	DEAD	-31,6764	3-1	0,225
3	0	STERR	-11,7987	3-1	0
3	0,225	STERR	-11,7987	3-1	0,225
3	0	SSOVRdx	-2,4174	3-1	0
3	0,225	SSOVRdx	-2,4773	3-1	0,225
3	0	SSOVRsx	-4,1352	3-1	0
3	0,225	SSOVRsx	-4,0753	3-1	0,225
3	0	SW2	-537,1326	3-1	0
3	0,225	SW2	-398,4357	3-1	0,225
4	0	DEAD	-39,6718	4-1	0
4	0,225	DEAD	-28,6451	4-1	0,225
4	0	STERR	-30,1953	4-1	0
4	0,225	STERR	-30,1953	4-1	0,225
4	0	SSOVRdx	-2,6746	4-1	0
4	0,225	SSOVRdx	-3,0961	4-1	0,225
4	0	SSOVRsx	-14,757	4-1	0
4	0,225	SSOVRsx	-14,3355	4-1	0,225
4	0	SW2	-499,0044	4-1	0
4	0,225	SW2	-360,3075	4-1	0,225
5	0	DEAD	-31,6764	5-1	0
5	0,5	DEAD	-10,0265	5-1	0,5
5	1	DEAD	7,687	5-1	1
5	1,5	DEAD	21,4642	5-1	1,5
5	0	STERR	-11,7987	5-1	0
5	0,5	STERR	-11,7987	5-1	0,5
5	1	STERR	-11,7987	5-1	1
5	1,5	STERR	-11,7987	5-1	1,5
5	0	SSOVRdx	-2,4773	5-1	0
5	0,5	SSOVRdx	-2,6105	5-1	0,5
5	1	SSOVRdx	-2,7436	5-1	1
5	1,5	SSOVRdx	-2,8768	5-1	1,5
5	0	SSOVRsx	-4,0753	5-1	0
5	0,5	SSOVRsx	-3,9421	5-1	0,5
5	1	SSOVRsx	-3,8089	5-1	1
5	1,5	SSOVRsx	-3,6758	5-1	1,5
5	0	SW2	-398,4357	5-1	0
5	0,5	SW2	-126,117	5-1	0,5
5	1	SW2	96,6893	5-1	1
5	1,5	SW2	269,983	5-1	1,5
6	0	DEAD	-28,6451	6-1	0
6	0,5	DEAD	-6,9953	6-1	0,5
6	1	DEAD	10,7182	6-1	1
6	1,5	DEAD	24,4954	6-1	1,5
6	0	STERR	-30,1953	6-1	0
6	0,5	STERR	-30,1953	6-1	0,5
6	1	STERR	-30,1953	6-1	1
6	1,5	STERR	-30,1953	6-1	1,5
6	0	SSOVRdx	-3,0961	6-1	0
6	0,5	SSOVRdx	-4,0327	6-1	0,5
6	1	SSOVRdx	-4,9693	6-1	1
6	1,5	SSOVRdx	-5,9059	6-1	1,5
6	0	SSOVRsx	-14,3355	6-1	0
6	0,5	SSOVRsx	-13,3989	6-1	0,5
6	1	SSOVRsx	-12,4622	6-1	1
6	1,5	SSOVRsx	-11,5256	6-1	1,5
6	0	SW2	-360,3075	6-1	0
6	0,5	SW2	-87,9888	6-1	0,5
6	1	SW2	134,8175	6-1	1
6	1,5	SW2	308,1112	6-1	1,5
7	0	DEAD	21,4642	7-1	0
7	0,5	DEAD	31,305	7-1	0,5
7	1	DEAD	37,2095	7-1	1
7	1,5	DEAD	39,1777	7-1	1,5
7	0	STERR	-11,7987	7-1	0
7	0,5	STERR	-11,7987	7-1	0,5
7	1	STERR	-11,7987	7-1	1

Table: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	M3	FrameElem	ElemStation
	m		KN-m		m
7	1,5	STERR	-11,7987	7-1	1,5
7	0	SSOVRdx	-2,8768	7-1	0
7	0,5	SSOVRdx	-3,01	7-1	0,5
7	1	SSOVRdx	-3,1431	7-1	1
7	1,5	SSOVRdx	-3,2763	7-1	1,5
7	0	SSOVRsx	-3,6758	7-1	0
7	0,5	SSOVRsx	-3,5426	7-1	0,5
7	1	SSOVRsx	-3,4094	7-1	1
7	1,5	SSOVRsx	-3,2763	7-1	1,5
7	0	SW2	269,983	7-1	0
7	0,5	SW2	393,7643	7-1	0,5
7	1	SW2	468,033	7-1	1
7	1,5	SW2	492,7893	7-1	1,5
8	0	DEAD	24,4954	8-1	0
8	0,5	DEAD	34,3363	8-1	0,5
8	1	DEAD	40,2408	8-1	1
8	1,5	DEAD	42,2089	8-1	1,5
8	0	STERR	-30,1953	8-1	0
8	0,5	STERR	-30,1953	8-1	0,5
8	1	STERR	-30,1953	8-1	1
8	1,5	STERR	-30,1953	8-1	1,5
8	0	SSOVRdx	-5,9059	8-1	0
8	0,5	SSOVRdx	-6,8425	8-1	0,5
8	1	SSOVRdx	-7,7792	8-1	1
8	1,5	SSOVRdx	-8,7158	8-1	1,5
8	0	SSOVRsx	-11,5256	8-1	0
8	0,5	SSOVRsx	-10,589	8-1	0,5
8	1	SSOVRsx	-9,6524	8-1	1
8	1,5	SSOVRsx	-8,7158	8-1	1,5
8	0	SW2	308,1112	8-1	0
8	0,5	SW2	431,8925	8-1	0,5
8	1	SW2	506,1612	8-1	1
8	1,5	SW2	530,9175	8-1	1,5
9	0	DEAD	39,1777	9-1	0
9	0,5	DEAD	37,2095	9-1	0,5
9	1	DEAD	31,305	9-1	1
9	1,5	DEAD	21,4642	9-1	1,5
9	0	STERR	-11,7987	9-1	0
9	0,5	STERR	-11,7987	9-1	0,5
9	1	STERR	-11,7987	9-1	1
9	1,5	STERR	-11,7987	9-1	1,5
9	0	SSOVRdx	-3,2763	9-1	0
9	0,5	SSOVRdx	-3,4094	9-1	0,5
9	1	SSOVRdx	-3,5426	9-1	1
9	1,5	SSOVRdx	-3,6758	9-1	1,5
9	0	SSOVRsx	-3,2763	9-1	0
9	0,5	SSOVRsx	-3,1431	9-1	0,5
9	1	SSOVRsx	-3,01	9-1	1
9	1,5	SSOVRsx	-2,8768	9-1	1,5
9	0	SW2	492,7893	9-1	0
9	0,5	SW2	468,033	9-1	0,5
9	1	SW2	393,7643	9-1	1
9	1,5	SW2	269,983	9-1	1,5
10	0	DEAD	42,2089	10-1	0
10	0,5	DEAD	40,2408	10-1	0,5
10	1	DEAD	34,3363	10-1	1
10	1,5	DEAD	24,4954	10-1	1,5
10	0	STERR	-30,1953	10-1	0
10	0,5	STERR	-30,1953	10-1	0,5
10	1	STERR	-30,1953	10-1	1
10	1,5	STERR	-30,1953	10-1	1,5
10	0	SSOVRdx	-8,7158	10-1	0
10	0,5	SSOVRdx	-9,6524	10-1	0,5
10	1	SSOVRdx	-10,589	10-1	1
10	1,5	SSOVRdx	-11,5256	10-1	1,5
10	0	SSOVRsx	-8,7158	10-1	0
10	0,5	SSOVRsx	-7,7792	10-1	0,5
10	1	SSOVRsx	-6,8425	10-1	1
10	1,5	SSOVRsx	-5,9059	10-1	1,5
10	0	SW2	530,9175	10-1	0

Table: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	M3	FrameElem	ElemStation
	m		KN-m		m
10	0,5	SW2	506,1612	10-1	0,5
10	1	SW2	431,8925	10-1	1
10	1,5	SW2	308,1112	10-1	1,5
11	0	DEAD	21,4642	11-1	0
11	0,5	DEAD	7,687	11-1	0,5
11	1	DEAD	-10,0265	11-1	1
11	1,5	DEAD	-31,6764	11-1	1,5
11	0	STERR	-11,7987	11-1	0
11	0,5	STERR	-11,7987	11-1	0,5
11	1	STERR	-11,7987	11-1	1
11	1,5	STERR	-11,7987	11-1	1,5
11	0	SSOVRdx	-3,6758	11-1	0
11	0,5	SSOVRdx	-3,8089	11-1	0,5
11	1	SSOVRdx	-3,9421	11-1	1
11	1,5	SSOVRdx	-4,0753	11-1	1,5
11	0	SSOVRsx	-2,8768	11-1	0
11	0,5	SSOVRsx	-2,7436	11-1	0,5
11	1	SSOVRsx	-2,6105	11-1	1
11	1,5	SSOVRsx	-2,4773	11-1	1,5
11	0	SW2	269,983	11-1	0
11	0,5	SW2	96,6893	11-1	0,5
11	1	SW2	-126,117	11-1	1
11	1,5	SW2	-398,4357	11-1	1,5
12	0	DEAD	24,4954	12-1	0
12	0,5	DEAD	10,7182	12-1	0,5
12	1	DEAD	-6,9953	12-1	1
12	1,5	DEAD	-28,6451	12-1	1,5
12	0	STERR	-30,1953	12-1	0
12	0,5	STERR	-30,1953	12-1	0,5
12	1	STERR	-30,1953	12-1	1
12	1,5	STERR	-30,1953	12-1	1,5
12	0	SSOVRdx	-11,5256	12-1	0
12	0,5	SSOVRdx	-12,4622	12-1	0,5
12	1	SSOVRdx	-13,3989	12-1	1
12	1,5	SSOVRdx	-14,3355	12-1	1,5
12	0	SSOVRsx	-5,9059	12-1	0
12	0,5	SSOVRsx	-4,9693	12-1	0,5
12	1	SSOVRsx	-4,0327	12-1	1
12	1,5	SSOVRsx	-3,0961	12-1	1,5
12	0	SW2	308,1112	12-1	0
12	0,5	SW2	134,8175	12-1	0,5
12	1	SW2	-87,9888	12-1	1
12	1,5	SW2	-360,3075	12-1	1,5
13	0	DEAD	-31,6764	13-1	0
13	0,225	DEAD	-42,7031	13-1	0,225
13	0	STERR	-11,7987	13-1	0
13	0,225	STERR	-11,7987	13-1	0,225
13	0	SSOVRdx	-4,0753	13-1	0
13	0,225	SSOVRdx	-4,1352	13-1	0,225
13	0	SSOVRsx	-2,4773	13-1	0
13	0,225	SSOVRsx	-2,4174	13-1	0,225
13	0	SW2	-398,4357	13-1	0
13	0,225	SW2	-537,1326	13-1	0,225
14	0	DEAD	-28,6451	14-1	0
14	0,225	DEAD	-39,6718	14-1	0,225
14	0	STERR	-30,1953	14-1	0
14	0,225	STERR	-30,1953	14-1	0,225
14	0	SSOVRdx	-14,3355	14-1	0
14	0,225	SSOVRdx	-14,757	14-1	0,225
14	0	SSOVRsx	-3,0961	14-1	0
14	0,225	SSOVRsx	-2,6746	14-1	0,225
14	0	SW2	-360,3075	14-1	0
14	0,225	SW2	-499,0044	14-1	0,225
15	0	DEAD	-42,7031	15-1	0
15	0,225	DEAD	-54,5268	15-1	0,225
15	0	STERR	-11,7987	15-1	0
15	0,225	STERR	-11,7987	15-1	0,225
15	0	SSOVRdx	-4,1352	15-1	0
15	0,225	SSOVRdx	-4,1951	15-1	0,225
15	0	SSOVRsx	-2,4174	15-1	0

Table: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	M3	FrameElem	ElemStation
	m		KN-m		m
15	0,225	SSOVRsx	-2,3575	15-1	0,225
15	0	SW2	-537,1326	15-1	0
15	0,225	SW2	-685,8558	15-1	0,225
16	0	DEAD	-39,6718	16-1	0
16	0,225	DEAD	-51,4956	16-1	0,225
16	0	STERR	-30,1953	16-1	0
16	0,225	STERR	-30,1953	16-1	0,225
16	0	SSOVRdx	-14,757	16-1	0
16	0,225	SSOVRdx	-15,1784	16-1	0,225
16	0	SSOVRsx	-2,6746	16-1	0
16	0,225	SSOVRsx	-2,2531	16-1	0,225
16	0	SW2	-499,0044	16-1	0
16	0,225	SW2	-647,7276	16-1	0,225

Table: Frame Loads - Distributed, Part 1 of 3

Table: Frame Loads - Distributed, Part 1 of 3

Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDistA
2	SW2	GLOBAL	Force	Gravity	RelDist	0
4	SW2	GLOBAL	Force	Gravity	RelDist	0
14	SW2	GLOBAL	Force	Gravity	RelDist	0
16	SW2	GLOBAL	Force	Gravity	RelDist	0
1	SW2	GLOBAL	Force	Gravity	RelDist	0
3	SW2	GLOBAL	Force	Gravity	RelDist	0
13	SW2	GLOBAL	Force	Gravity	RelDist	0
15	SW2	GLOBAL	Force	Gravity	RelDist	0
6	SW2	GLOBAL	Force	Gravity	RelDist	0
8	SW2	GLOBAL	Force	Gravity	RelDist	0
10	SW2	GLOBAL	Force	Gravity	RelDist	0
12	SW2	GLOBAL	Force	Gravity	RelDist	0
5	SW2	GLOBAL	Force	Gravity	RelDist	0
7	SW2	GLOBAL	Force	Gravity	RelDist	0
9	SW2	GLOBAL	Force	Gravity	RelDist	0
11	SW2	GLOBAL	Force	Gravity	RelDist	0

Table: Frame Loads - Distributed, Part 2 of 3

Table: Frame Loads - Distributed, Part 2 of 3

Frame	LoadPat	RelDistB	AbsDistA	AbsDistB	FOverLA	FOverLB
			m	m	KN/m	KN/m
2	SW2	1	0	0,225	198,05	198,05
4	SW2	1	0	0,225	198,05	198,05
14	SW2	1	0	0,225	198,05	198,05
16	SW2	1	0	0,225	198,05	198,05
1	SW2	1	0	0,225	198,05	198,05
3	SW2	1	0	0,225	198,05	198,05
13	SW2	1	0	0,225	198,05	198,05
15	SW2	1	0	0,225	198,05	198,05
6	SW2	1	0	1,5	198,05	198,05
8	SW2	1	0	1,5	198,05	198,05
10	SW2	1	0	1,5	198,05	198,05
12	SW2	1	0	1,5	198,05	198,05
5	SW2	1	0	1,5	198,05	198,05
7	SW2	1	0	1,5	198,05	198,05
9	SW2	1	0	1,5	198,05	198,05
11	SW2	1	0	1,5	198,05	198,05

Table: Frame Loads - Distributed, Part 3 of 3

Table: Frame Loads - Distributed, Part 3 of 3

Frame	LoadPat	GUID
2	SW2	
4	SW2	
14	SW2	
16	SW2	
1	SW2	
3	SW2	
13	SW2	

Table: Frame Loads - Distributed, Part 3 of 3

Frame	LoadPat	GUID
15	SW2	
6	SW2	
8	SW2	
10	SW2	
12	SW2	
5	SW2	
7	SW2	
9	SW2	
11	SW2	

Table: Frame Section Assignments

Table: Frame Section Assignments

Frame	SectionType	AutoSelect	AnalSect	DesignSect	MatProp
1	Rectangular	N.A.	sp70	sp70	Default
2	Rectangular	N.A.	sp70	sp70	Default
3	Rectangular	N.A.	sp70	sp70	Default
4	Rectangular	N.A.	sp70	sp70	Default
5	Rectangular	N.A.	sp70	sp70	Default
6	Rectangular	N.A.	sp70	sp70	Default
7	Rectangular	N.A.	sp70	sp70	Default
8	Rectangular	N.A.	sp70	sp70	Default
9	Rectangular	N.A.	sp70	sp70	Default
10	Rectangular	N.A.	sp70	sp70	Default
11	Rectangular	N.A.	sp70	sp70	Default
12	Rectangular	N.A.	sp70	sp70	Default
13	Rectangular	N.A.	sp70	sp70	Default
14	Rectangular	N.A.	sp70	sp70	Default
15	Rectangular	N.A.	sp70	sp70	Default
16	Rectangular	N.A.	sp70	sp70	Default

Table: Frame Section Properties 01 - General, Part 1 of 6

Table: Frame Section Properties 01 - General, Part 1 of 6

SectionName	Material	Shape	t3	t2	Area	TorsConst
			m	m	m2	m4
sp70	C28/35	Rectangular	0,9	0,7	0,63	0,054017

Table: Frame Section Properties 01 - General, Part 2 of 6

Table: Frame Section Properties 01 - General, Part 2 of 6

SectionName	I33	I22	I23	AS2	AS3	S33	S22
	m4	m4	m4	m2	m2	m3	m3
sp70	0,042525	0,025725	0	0,525	0,525	0,0945	0,0735

Table: Frame Section Properties 01 - General, Part 3 of 6

Table: Frame Section Properties 01 - General, Part 3 of 6

SectionName	Z33	Z22	R33	R22	ConcCol	ConcBeam	Color
	m3	m3	m	m			
sp70	0,14175	0,11025	0,259808	0,202073	Yes	No	Blue

Table: Frame Section Properties 01 - General, Part 4 of 6

Table: Frame Section Properties 01 - General, Part 4 of 6

SectionName	TotalWt	TotalMass	FromFile	AMod	A2Mod	A3Mod	JMod
	KN	KN-s2/m					
sp70	217,286	22,16	No	1	1	1	1

Table: Frame Section Properties 01 - General, Part 5 of 6

Table: Frame Section Properties 01 - General, Part 5 of 6

SectionName	I2Mod	I3Mod	MMod	WMod	GUID
sp70	1	1	1	1	

Table: Joint Coordinates, Part 1 of 2

Table: Joint Coordinates, Part 1 of 2

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJt	GlobalX
			m	m	m		m
1	GLOBAL	Cartesian	4,255E-05	0	-1,786E-05	No	4,255E-05
2	GLOBAL	Cartesian	4,255E-05	6,9	-1,786E-05	No	4,255E-05
3	GLOBAL	Cartesian	4,255E-05	0	0,13234	No	4,255E-05
4	GLOBAL	Cartesian	0,8824	0	0,13234	No	0,8824
5	GLOBAL	Cartesian	4,255E-05	6,9	0,13234	No	4,255E-05
6	GLOBAL	Cartesian	0,8824	6,9	0,13234	No	0,8824
7	GLOBAL	Cartesian	4,255E-05	0	0,69571	No	4,255E-05
8	GLOBAL	Cartesian	0,8824	0	0,69571	No	0,8824
9	GLOBAL	Cartesian	1,44577	0	0,69571	No	1,44577
10	GLOBAL	Cartesian	4,255E-05	6,9	0,69571	No	4,255E-05
11	GLOBAL	Cartesian	0,8824	6,9	0,69571	No	0,8824
12	GLOBAL	Cartesian	1,44577	6,9	0,69571	No	1,44577
13	GLOBAL	Cartesian	4,255E-05	0	1,04571	No	4,255E-05
14	GLOBAL	Cartesian	0,8824	0	1,04571	No	0,8824
15	GLOBAL	Cartesian	1,44577	0	1,04571	No	1,44577
16	GLOBAL	Cartesian	1,79577	0	1,04571	No	1,79577
17	GLOBAL	Cartesian	4,255E-05	6,9	1,04571	No	4,255E-05
18	GLOBAL	Cartesian	0,8824	6,9	1,04571	No	0,8824
19	GLOBAL	Cartesian	1,44577	6,9	1,04571	No	1,44577
20	GLOBAL	Cartesian	1,79577	6,9	1,04571	No	1,79577
21	GLOBAL	Cartesian	4,255E-05	0	1,39571	No	4,255E-05
22	GLOBAL	Cartesian	0,8824	0	1,39571	No	0,8824
23	GLOBAL	Cartesian	1,44577	0	1,39571	No	1,44577
24	GLOBAL	Cartesian	1,79577	0	1,39571	No	1,79577
25	GLOBAL	Cartesian	2,14577	0	1,39571	No	2,14577
26	GLOBAL	Cartesian	4,255E-05	6,9	1,39571	No	4,255E-05
27	GLOBAL	Cartesian	0,8824	6,9	1,39571	No	0,8824
28	GLOBAL	Cartesian	1,44577	6,9	1,39571	No	1,44577
29	GLOBAL	Cartesian	1,79577	6,9	1,39571	No	1,79577
30	GLOBAL	Cartesian	2,14577	6,9	1,39571	No	2,14577
31	GLOBAL	Cartesian	4,255E-05	0	2,29571	No	4,255E-05
32	GLOBAL	Cartesian	0,8824	0	2,29571	No	0,8824
33	GLOBAL	Cartesian	1,44577	0	2,29571	No	1,44577
34	GLOBAL	Cartesian	1,79577	0	2,29571	No	1,79577
35	GLOBAL	Cartesian	2,14577	0	2,29571	No	2,14577
36	GLOBAL	Cartesian	3,04577	0	2,29571	No	3,04577
37	GLOBAL	Cartesian	4,255E-05	6,9	2,29571	No	4,255E-05
38	GLOBAL	Cartesian	0,8824	6,9	2,29571	No	0,8824
39	GLOBAL	Cartesian	1,44577	6,9	2,29571	No	1,44577
40	GLOBAL	Cartesian	1,79577	6,9	2,29571	No	1,79577
41	GLOBAL	Cartesian	2,14577	6,9	2,29571	No	2,14577
42	GLOBAL	Cartesian	3,04577	6,9	2,29571	No	3,04577
43	GLOBAL	Cartesian	4,255E-05	0	3,19571	No	4,255E-05
44	GLOBAL	Cartesian	0,8824	0	3,19571	No	0,8824
45	GLOBAL	Cartesian	1,44577	0	3,19571	No	1,44577
46	GLOBAL	Cartesian	1,79577	0	3,19571	No	1,79577
47	GLOBAL	Cartesian	2,14577	0	3,19571	No	2,14577
48	GLOBAL	Cartesian	3,04577	0	3,19571	No	3,04577
49	GLOBAL	Cartesian	3,94577	0	3,19571	No	3,94577
50	GLOBAL	Cartesian	4,255E-05	6,9	3,19571	No	4,255E-05
51	GLOBAL	Cartesian	0,8824	6,9	3,19571	No	0,8824
52	GLOBAL	Cartesian	1,44577	6,9	3,19571	No	1,44577
53	GLOBAL	Cartesian	1,79577	6,9	3,19571	No	1,79577
54	GLOBAL	Cartesian	2,14577	6,9	3,19571	No	2,14577
55	GLOBAL	Cartesian	3,04577	6,9	3,19571	No	3,04577
56	GLOBAL	Cartesian	3,94577	6,9	3,19571	No	3,94577
57	GLOBAL	Cartesian	4,255E-05	0	3,54571	No	4,255E-05
58	GLOBAL	Cartesian	0,8824	0	3,54571	No	0,8824
59	GLOBAL	Cartesian	1,44577	0	3,54571	No	1,44577
60	GLOBAL	Cartesian	1,79577	0	3,54571	No	1,79577
61	GLOBAL	Cartesian	2,14577	0	3,54571	No	2,14577
62	GLOBAL	Cartesian	3,04577	0	3,54571	No	3,04577
63	GLOBAL	Cartesian	3,94577	0	3,54571	No	3,94577
64	GLOBAL	Cartesian	4,29577	0	3,54571	No	4,29577
65	GLOBAL	Cartesian	4,255E-05	6,9	3,54571	No	4,255E-05
66	GLOBAL	Cartesian	0,8824	6,9	3,54571	No	0,8824
67	GLOBAL	Cartesian	1,44577	6,9	3,54571	No	1,44577
68	GLOBAL	Cartesian	1,79577	6,9	3,54571	No	1,79577
69	GLOBAL	Cartesian	2,14577	6,9	3,54571	No	2,14577

Table: Joint Coordinates, Part 1 of 2

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJt	GlobalX
			m	m	m		m
70	GLOBAL	Cartesian	3,04577	6,9	3,54571	No	3,04577
71	GLOBAL	Cartesian	3,94577	6,9	3,54571	No	3,94577
72	GLOBAL	Cartesian	4,29577	6,9	3,54571	No	4,29577
73	GLOBAL	Cartesian	4,255E-05	0	3,89571	No	4,255E-05
74	GLOBAL	Cartesian	0,8824	0	3,89571	No	0,8824
75	GLOBAL	Cartesian	1,44577	0	3,89571	No	1,44577
76	GLOBAL	Cartesian	1,79577	0	3,89571	No	1,79577
77	GLOBAL	Cartesian	2,14577	0	3,89571	No	2,14577
78	GLOBAL	Cartesian	3,04577	0	3,89571	No	3,04577
79	GLOBAL	Cartesian	3,94577	0	3,89571	No	3,94577
80	GLOBAL	Cartesian	4,29577	0	3,89571	No	4,29577
81	GLOBAL	Cartesian	4,64577	0	3,89571	No	4,64577
82	GLOBAL	Cartesian	4,255E-05	6,9	3,89571	No	4,255E-05
83	GLOBAL	Cartesian	0,8824	6,9	3,89571	No	0,8824
84	GLOBAL	Cartesian	1,44577	6,9	3,89571	No	1,44577
85	GLOBAL	Cartesian	1,79577	6,9	3,89571	No	1,79577
86	GLOBAL	Cartesian	2,14577	6,9	3,89571	No	2,14577
87	GLOBAL	Cartesian	3,04577	6,9	3,89571	No	3,04577
88	GLOBAL	Cartesian	3,94577	6,9	3,89571	No	3,94577
89	GLOBAL	Cartesian	4,29577	6,9	3,89571	No	4,29577
90	GLOBAL	Cartesian	4,64577	6,9	3,89571	No	4,64577
91	GLOBAL	Cartesian	4,255E-05	0	4,72071	No	4,255E-05
92	GLOBAL	Cartesian	0,8824	0	4,72071	No	0,8824
93	GLOBAL	Cartesian	1,44577	0	4,72071	No	1,44577
94	GLOBAL	Cartesian	1,79577	0	4,72071	No	1,79577
95	GLOBAL	Cartesian	2,14577	0	4,72071	No	2,14577
96	GLOBAL	Cartesian	3,04577	0	4,72071	No	3,04577
97	GLOBAL	Cartesian	3,94577	0	4,72071	No	3,94577
98	GLOBAL	Cartesian	4,29577	0	4,72071	No	4,29577
99	GLOBAL	Cartesian	4,64577	0	4,72071	No	4,64577
100	GLOBAL	Cartesian	5,47077	0	4,72071	No	5,47077
101	GLOBAL	Cartesian	4,255E-05	6,9	4,72071	No	4,255E-05
102	GLOBAL	Cartesian	0,8824	6,9	4,72071	No	0,8824
103	GLOBAL	Cartesian	1,44577	6,9	4,72071	No	1,44577
104	GLOBAL	Cartesian	1,79577	6,9	4,72071	No	1,79577
105	GLOBAL	Cartesian	2,14577	6,9	4,72071	No	2,14577
106	GLOBAL	Cartesian	3,04577	6,9	4,72071	No	3,04577
107	GLOBAL	Cartesian	3,94577	6,9	4,72071	No	3,94577
108	GLOBAL	Cartesian	4,29577	6,9	4,72071	No	4,29577
109	GLOBAL	Cartesian	4,64577	6,9	4,72071	No	4,64577
110	GLOBAL	Cartesian	5,47077	6,9	4,72071	No	5,47077
111	GLOBAL	Cartesian	4,255E-05	0	5,54571	No	4,255E-05
112	GLOBAL	Cartesian	0,8824	0	5,54571	No	0,8824
113	GLOBAL	Cartesian	1,44577	0	5,54571	No	1,44577
114	GLOBAL	Cartesian	1,79577	0	5,54571	No	1,79577
115	GLOBAL	Cartesian	2,14577	0	5,54571	No	2,14577
116	GLOBAL	Cartesian	3,04577	0	5,54571	No	3,04577
117	GLOBAL	Cartesian	3,94577	0	5,54571	No	3,94577
118	GLOBAL	Cartesian	4,29577	0	5,54571	No	4,29577
119	GLOBAL	Cartesian	4,64577	0	5,54571	No	4,64577
120	GLOBAL	Cartesian	5,47077	0	5,54571	No	5,47077
121	GLOBAL	Cartesian	6,29577	0	5,54571	No	6,29577
122	GLOBAL	Cartesian	4,255E-05	6,9	5,54571	No	4,255E-05
123	GLOBAL	Cartesian	0,8824	6,9	5,54571	No	0,8824
124	GLOBAL	Cartesian	1,44577	6,9	5,54571	No	1,44577
125	GLOBAL	Cartesian	1,79577	6,9	5,54571	No	1,79577
126	GLOBAL	Cartesian	2,14577	6,9	5,54571	No	2,14577
127	GLOBAL	Cartesian	3,04577	6,9	5,54571	No	3,04577
128	GLOBAL	Cartesian	3,94577	6,9	5,54571	No	3,94577
129	GLOBAL	Cartesian	4,29577	6,9	5,54571	No	4,29577
130	GLOBAL	Cartesian	4,64577	6,9	5,54571	No	4,64577
131	GLOBAL	Cartesian	5,47077	6,9	5,54571	No	5,47077
132	GLOBAL	Cartesian	6,29577	6,9	5,54571	No	6,29577
133	GLOBAL	Cartesian	4,255E-05	0	5,84571	No	4,255E-05
134	GLOBAL	Cartesian	0,8824	0	5,84571	No	0,8824
135	GLOBAL	Cartesian	1,44577	0	5,84571	No	1,44577
136	GLOBAL	Cartesian	1,79577	0	5,84571	No	1,79577
137	GLOBAL	Cartesian	2,14577	0	5,84571	No	2,14577
138	GLOBAL	Cartesian	3,04577	0	5,84571	No	3,04577
139	GLOBAL	Cartesian	3,94577	0	5,84571	No	3,94577

Table: Joint Coordinates, Part 1 of 2

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJt	GlobalX
			m	m	m		m
140	GLOBAL	Cartesian	4,29577	0	5,84571	No	4,29577
141	GLOBAL	Cartesian	4,64577	0	5,84571	No	4,64577
142	GLOBAL	Cartesian	5,47077	0	5,84571	No	5,47077
143	GLOBAL	Cartesian	6,29577	0	5,84571	No	6,29577
144	GLOBAL	Cartesian	4,255E-05	6,9	5,84571	No	4,255E-05
145	GLOBAL	Cartesian	0,8824	6,9	5,84571	No	0,8824
146	GLOBAL	Cartesian	1,44577	6,9	5,84571	No	1,44577
147	GLOBAL	Cartesian	1,79577	6,9	5,84571	No	1,79577
148	GLOBAL	Cartesian	2,14577	6,9	5,84571	No	2,14577
149	GLOBAL	Cartesian	3,04577	6,9	5,84571	No	3,04577
150	GLOBAL	Cartesian	3,94577	6,9	5,84571	No	3,94577
151	GLOBAL	Cartesian	4,29577	6,9	5,84571	No	4,29577
152	GLOBAL	Cartesian	4,64577	6,9	5,84571	No	4,64577
153	GLOBAL	Cartesian	5,47077	6,9	5,84571	No	5,47077
154	GLOBAL	Cartesian	6,29577	6,9	5,84571	No	6,29577
155	GLOBAL	Cartesian	4,255E-05	0	6,29571	No	4,255E-05
156	GLOBAL	Cartesian	0,8824	0	6,29571	No	0,8824
157	GLOBAL	Cartesian	1,44577	0	6,29571	No	1,44577
158	GLOBAL	Cartesian	1,79577	0	6,29571	No	1,79577
159	GLOBAL	Cartesian	2,14577	0	6,29571	No	2,14577
160	GLOBAL	Cartesian	3,04577	0	6,29571	No	3,04577
161	GLOBAL	Cartesian	3,94577	0	6,29571	No	3,94577
162	GLOBAL	Cartesian	4,29577	0	6,29571	No	4,29577
163	GLOBAL	Cartesian	4,64577	0	6,29571	No	4,64577
164	GLOBAL	Cartesian	5,47077	0	6,29571	No	5,47077
165	GLOBAL	Cartesian	6,29577	0	6,29571	No	6,29577
166	GLOBAL	Cartesian	1,79577	0,225	6,29571	Yes	1,79577
167	GLOBAL	Cartesian	4,29577	0,225	6,29571	Yes	4,29577
168	GLOBAL	Cartesian	1,79577	0,45	6,29571	Yes	1,79577
169	GLOBAL	Cartesian	4,29577	0,45	6,29571	Yes	4,29577
170	GLOBAL	Cartesian	1,79577	1,95	6,29571	No	1,79577
171	GLOBAL	Cartesian	4,29577	1,95	6,29571	No	4,29577
172	GLOBAL	Cartesian	1,79577	3,45	6,29571	No	1,79577
173	GLOBAL	Cartesian	4,29577	3,45	6,29571	No	4,29577
174	GLOBAL	Cartesian	1,79577	4,95	6,29571	No	1,79577
175	GLOBAL	Cartesian	4,29577	4,95	6,29571	No	4,29577
176	GLOBAL	Cartesian	1,79577	6,45	6,29571	Yes	1,79577
177	GLOBAL	Cartesian	4,29577	6,45	6,29571	Yes	4,29577
178	GLOBAL	Cartesian	1,79577	6,675	6,29571	Yes	1,79577
179	GLOBAL	Cartesian	4,29577	6,675	6,29571	Yes	4,29577
180	GLOBAL	Cartesian	4,255E-05	6,9	6,29571	No	4,255E-05
181	GLOBAL	Cartesian	0,8824	6,9	6,29571	No	0,8824
182	GLOBAL	Cartesian	1,44577	6,9	6,29571	No	1,44577
183	GLOBAL	Cartesian	1,79577	6,9	6,29571	No	1,79577
184	GLOBAL	Cartesian	2,14577	6,9	6,29571	No	2,14577
185	GLOBAL	Cartesian	3,04577	6,9	6,29571	No	3,04577
186	GLOBAL	Cartesian	3,94577	6,9	6,29571	No	3,94577
187	GLOBAL	Cartesian	4,29577	6,9	6,29571	No	4,29577
188	GLOBAL	Cartesian	4,64577	6,9	6,29571	No	4,64577
189	GLOBAL	Cartesian	5,47077	6,9	6,29571	No	5,47077
190	GLOBAL	Cartesian	6,29577	6,9	6,29571	No	6,29577
191	GLOBAL	Cartesian	4,255E-05	0	6,74571	No	4,255E-05
192	GLOBAL	Cartesian	0,8824	0	6,74571	No	0,8824
193	GLOBAL	Cartesian	1,44577	0	6,74571	No	1,44577
194	GLOBAL	Cartesian	1,79577	0	6,74571	No	1,79577
195	GLOBAL	Cartesian	2,14577	0	6,74571	No	2,14577
196	GLOBAL	Cartesian	3,04577	0	6,74571	No	3,04577
197	GLOBAL	Cartesian	3,94577	0	6,74571	No	3,94577
198	GLOBAL	Cartesian	4,29577	0	6,74571	No	4,29577
199	GLOBAL	Cartesian	4,64577	0	6,74571	No	4,64577
200	GLOBAL	Cartesian	5,47077	0	6,74571	No	5,47077
201	GLOBAL	Cartesian	6,29577	0	6,74571	No	6,29577
202	GLOBAL	Cartesian	4,255E-05	6,9	6,74571	No	4,255E-05
203	GLOBAL	Cartesian	0,8824	6,9	6,74571	No	0,8824
204	GLOBAL	Cartesian	1,44577	6,9	6,74571	No	1,44577
205	GLOBAL	Cartesian	1,79577	6,9	6,74571	No	1,79577
206	GLOBAL	Cartesian	2,14577	6,9	6,74571	No	2,14577
207	GLOBAL	Cartesian	3,04577	6,9	6,74571	No	3,04577
208	GLOBAL	Cartesian	3,94577	6,9	6,74571	No	3,94577
209	GLOBAL	Cartesian	4,29577	6,9	6,74571	No	4,29577

Table: Joint Coordinates, Part 1 of 2

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJt	GlobalX
			m	m	m		m
210	GLOBAL	Cartesian	4,64577	6,9	6,74571	No	4,64577
211	GLOBAL	Cartesian	5,47077	6,9	6,74571	No	5,47077
212	GLOBAL	Cartesian	6,29577	6,9	6,74571	No	6,29577

Table: Joint Coordinates, Part 2 of 2

Table: Joint Coordinates, Part 2 of 2

Joint	GlobalY	GlobalZ	GUID
	m	m	
1	0	-1,786E-05	
2	6,9	-1,786E-05	
3	0	0,13234	
4	0	0,13234	
5	6,9	0,13234	
6	6,9	0,13234	
7	0	0,69571	
8	0	0,69571	
9	0	0,69571	
10	6,9	0,69571	
11	6,9	0,69571	
12	6,9	0,69571	
13	0	1,04571	
14	0	1,04571	
15	0	1,04571	
16	0	1,04571	
17	6,9	1,04571	
18	6,9	1,04571	
19	6,9	1,04571	
20	6,9	1,04571	
21	0	1,39571	
22	0	1,39571	
23	0	1,39571	
24	0	1,39571	
25	0	1,39571	
26	6,9	1,39571	
27	6,9	1,39571	
28	6,9	1,39571	
29	6,9	1,39571	
30	6,9	1,39571	
31	0	2,29571	
32	0	2,29571	
33	0	2,29571	
34	0	2,29571	
35	0	2,29571	
36	0	2,29571	
37	6,9	2,29571	
38	6,9	2,29571	
39	6,9	2,29571	
40	6,9	2,29571	
41	6,9	2,29571	
42	6,9	2,29571	
43	0	3,19571	
44	0	3,19571	
45	0	3,19571	
46	0	3,19571	
47	0	3,19571	
48	0	3,19571	
49	0	3,19571	
50	6,9	3,19571	
51	6,9	3,19571	
52	6,9	3,19571	
53	6,9	3,19571	
54	6,9	3,19571	
55	6,9	3,19571	
56	6,9	3,19571	
57	0	3,54571	
58	0	3,54571	
59	0	3,54571	
60	0	3,54571	
61	0	3,54571	

Table: Joint Coordinates, Part 2 of 2

Joint	GlobalY	GlobalZ	GUID
	m	m	
62	0	3,54571	
63	0	3,54571	
64	0	3,54571	
65	6,9	3,54571	
66	6,9	3,54571	
67	6,9	3,54571	
68	6,9	3,54571	
69	6,9	3,54571	
70	6,9	3,54571	
71	6,9	3,54571	
72	6,9	3,54571	
73	0	3,89571	
74	0	3,89571	
75	0	3,89571	
76	0	3,89571	
77	0	3,89571	
78	0	3,89571	
79	0	3,89571	
80	0	3,89571	
81	0	3,89571	
82	6,9	3,89571	
83	6,9	3,89571	
84	6,9	3,89571	
85	6,9	3,89571	
86	6,9	3,89571	
87	6,9	3,89571	
88	6,9	3,89571	
89	6,9	3,89571	
90	6,9	3,89571	
91	0	4,72071	
92	0	4,72071	
93	0	4,72071	
94	0	4,72071	
95	0	4,72071	
96	0	4,72071	
97	0	4,72071	
98	0	4,72071	
99	0	4,72071	
100	0	4,72071	
101	6,9	4,72071	
102	6,9	4,72071	
103	6,9	4,72071	
104	6,9	4,72071	
105	6,9	4,72071	
106	6,9	4,72071	
107	6,9	4,72071	
108	6,9	4,72071	
109	6,9	4,72071	
110	6,9	4,72071	
111	0	5,54571	
112	0	5,54571	
113	0	5,54571	
114	0	5,54571	
115	0	5,54571	
116	0	5,54571	
117	0	5,54571	
118	0	5,54571	
119	0	5,54571	
120	0	5,54571	
121	0	5,54571	
122	6,9	5,54571	
123	6,9	5,54571	
124	6,9	5,54571	
125	6,9	5,54571	
126	6,9	5,54571	
127	6,9	5,54571	
128	6,9	5,54571	
129	6,9	5,54571	
130	6,9	5,54571	
131	6,9	5,54571	

Table: Joint Coordinates, Part 2 of 2

Joint	GlobalY	GlobalZ	GUID
	m	m	
132	6,9	5,54571	
133	0	5,84571	
134	0	5,84571	
135	0	5,84571	
136	0	5,84571	
137	0	5,84571	
138	0	5,84571	
139	0	5,84571	
140	0	5,84571	
141	0	5,84571	
142	0	5,84571	
143	0	5,84571	
144	6,9	5,84571	
145	6,9	5,84571	
146	6,9	5,84571	
147	6,9	5,84571	
148	6,9	5,84571	
149	6,9	5,84571	
150	6,9	5,84571	
151	6,9	5,84571	
152	6,9	5,84571	
153	6,9	5,84571	
154	6,9	5,84571	
155	0	6,29571	
156	0	6,29571	
157	0	6,29571	
158	0	6,29571	
159	0	6,29571	
160	0	6,29571	
161	0	6,29571	
162	0	6,29571	
163	0	6,29571	
164	0	6,29571	
165	0	6,29571	
166	0,225	6,29571	
167	0,225	6,29571	
168	0,45	6,29571	
169	0,45	6,29571	
170	1,95	6,29571	
171	1,95	6,29571	
172	3,45	6,29571	
173	3,45	6,29571	
174	4,95	6,29571	
175	4,95	6,29571	
176	6,45	6,29571	
177	6,45	6,29571	
178	6,675	6,29571	
179	6,675	6,29571	
180	6,9	6,29571	
181	6,9	6,29571	
182	6,9	6,29571	
183	6,9	6,29571	
184	6,9	6,29571	
185	6,9	6,29571	
186	6,9	6,29571	
187	6,9	6,29571	
188	6,9	6,29571	
189	6,9	6,29571	
190	6,9	6,29571	
191	0	6,74571	
192	0	6,74571	
193	0	6,74571	
194	0	6,74571	
195	0	6,74571	
196	0	6,74571	
197	0	6,74571	
198	0	6,74571	
199	0	6,74571	
200	0	6,74571	
201	0	6,74571	

Table: Joint Coordinates, Part 2 of 2

Joint	GlobalY	GlobalZ	GUID
	m	m	
202	6,9	6,74571	
203	6,9	6,74571	
204	6,9	6,74571	
205	6,9	6,74571	
206	6,9	6,74571	
207	6,9	6,74571	
208	6,9	6,74571	
209	6,9	6,74571	
210	6,9	6,74571	
211	6,9	6,74571	
212	6,9	6,74571	

Table: Joint Pattern Assignments

Table: Joint Pattern Assignments

Joint	Pattern	Value
164	sterr	12,5029
200	sterr	8,0029
201	sterr	8,0029
165	sterr	12,5029
163	sterr	12,5029
199	sterr	8,0029
162	sterr	12,5029
198	sterr	8,0029
161	sterr	12,5029
197	sterr	8,0029
160	sterr	12,5029
196	sterr	8,0029
159	sterr	12,5029
195	sterr	8,0029
158	sterr	12,5029
194	sterr	8,0029
157	sterr	12,5029
193	sterr	8,0029
156	sterr	12,5029
192	sterr	8,0029
155	sterr	12,5029
191	sterr	8,0029
142	sterr	17,0029
143	sterr	17,0029
141	sterr	17,0029
140	sterr	17,0029
139	sterr	17,0029
138	sterr	17,0029
137	sterr	17,0029
136	sterr	17,0029
135	sterr	17,0029
134	sterr	17,0029
133	sterr	17,0029
120	sterr	20,0029
121	sterr	20,0029
119	sterr	20,0029
118	sterr	20,0029
117	sterr	20,0029
116	sterr	20,0029
115	sterr	20,0029
114	sterr	20,0029
113	sterr	20,0029
112	sterr	20,0029
111	sterr	20,0029
100	sterr	28,2529
81	sterr	36,5029
99	sterr	28,2529
64	sterr	40,0029
80	sterr	36,5029
49	sterr	43,5029
63	sterr	40,0029
36	sterr	52,5029
48	sterr	43,5029

Table: Joint Pattern Assignments

Joint	Pattern	Value
25	sterr	61,5029
35	sterr	52,5029
16	sterr	65,0029
24	sterr	61,5029
9	sterr	68,5029
15	sterr	65,0029
4	sterr	74,1366
8	sterr	68,5029
1	sterr	75,460179
3	sterr	74,1366
7	sterr	68,5029
14	sterr	65,0029
13	sterr	65,0029
23	sterr	61,5029
22	sterr	61,5029
21	sterr	61,5029
34	sterr	52,5029
33	sterr	52,5029
32	sterr	52,5029
31	sterr	52,5029
47	sterr	43,5029
46	sterr	43,5029
45	sterr	43,5029
44	sterr	43,5029
43	sterr	43,5029
62	sterr	40,0029
61	sterr	40,0029
60	sterr	40,0029
59	sterr	40,0029
58	sterr	40,0029
57	sterr	40,0029
79	sterr	36,5029
78	sterr	36,5029
77	sterr	36,5029
76	sterr	36,5029
75	sterr	36,5029
74	sterr	36,5029
73	sterr	36,5029
97	sterr	28,2529
98	sterr	28,2529
96	sterr	28,2529
95	sterr	28,2529
94	sterr	28,2529
93	sterr	28,2529
92	sterr	28,2529
91	sterr	28,2529
189	sterr	12,5029
211	sterr	8,0029
212	sterr	8,0029
190	sterr	12,5029
188	sterr	12,5029
210	sterr	8,0029
187	sterr	12,5029
209	sterr	8,0029
186	sterr	12,5029
208	sterr	8,0029
185	sterr	12,5029
207	sterr	8,0029
184	sterr	12,5029
206	sterr	8,0029
183	sterr	12,5029
205	sterr	8,0029
182	sterr	12,5029
204	sterr	8,0029
181	sterr	12,5029
203	sterr	8,0029
180	sterr	12,5029
202	sterr	8,0029
153	sterr	17,0029
154	sterr	17,0029

Table: Joint Pattern Assignments

Joint	Pattern	Value
152	sterr	17,0029
151	sterr	17,0029
150	sterr	17,0029
149	sterr	17,0029
148	sterr	17,0029
147	sterr	17,0029
146	sterr	17,0029
145	sterr	17,0029
144	sterr	17,0029
131	sterr	20,0029
132	sterr	20,0029
130	sterr	20,0029
129	sterr	20,0029
128	sterr	20,0029
127	sterr	20,0029
126	sterr	20,0029
125	sterr	20,0029
124	sterr	20,0029
123	sterr	20,0029
122	sterr	20,0029
110	sterr	28,2529
90	sterr	36,5029
109	sterr	28,2529
72	sterr	40,0029
89	sterr	36,5029
56	sterr	43,5029
71	sterr	40,0029
42	sterr	52,5029
55	sterr	43,5029
30	sterr	61,5029
41	sterr	52,5029
20	sterr	65,0029
29	sterr	61,5029
12	sterr	68,5029
19	sterr	65,0029
6	sterr	74,1366
11	sterr	68,5029
2	sterr	75,460179
5	sterr	74,1366
10	sterr	68,5029
18	sterr	65,0029
17	sterr	65,0029
28	sterr	61,5029
27	sterr	61,5029
26	sterr	61,5029
40	sterr	52,5029
39	sterr	52,5029
38	sterr	52,5029
37	sterr	52,5029
54	sterr	43,5029
53	sterr	43,5029
52	sterr	43,5029
51	sterr	43,5029
50	sterr	43,5029
70	sterr	40,0029
69	sterr	40,0029
68	sterr	40,0029
67	sterr	40,0029
66	sterr	40,0029
65	sterr	40,0029
88	sterr	36,5029
87	sterr	36,5029
86	sterr	36,5029
85	sterr	36,5029
84	sterr	36,5029
83	sterr	36,5029
82	sterr	36,5029
107	sterr	28,2529
108	sterr	28,2529
106	sterr	28,2529

Table: Joint Pattern Assignments

Joint	Pattern	Value
105	sterr	28,2529
104	sterr	28,2529
103	sterr	28,2529
102	sterr	28,2529
101	sterr	28,2529
167	sterr	12,5029
166	sterr	12,5029
169	sterr	12,5029
168	sterr	12,5029
179	sterr	12,5029
178	sterr	12,5029
177	sterr	12,5029
176	sterr	12,5029
171	sterr	12,5029
173	sterr	12,5029
175	sterr	12,5029
170	sterr	12,5029
172	sterr	12,5029
174	sterr	12,5029

Table: Joint Pattern Definitions

Table: Joint Pattern Definitions

Pattern
sterr

Table: Joint Restraint Assignments

Table: Joint Restraint Assignments

Joint	U1	U2	U3	R1	R2	R3
1	Yes	Yes	Yes	Yes	Yes	Yes
2	Yes	Yes	Yes	Yes	Yes	Yes
3	Yes	Yes	Yes	Yes	Yes	Yes
5	Yes	Yes	Yes	Yes	Yes	Yes
7	Yes	Yes	Yes	Yes	Yes	Yes
10	Yes	Yes	Yes	Yes	Yes	Yes
13	Yes	Yes	Yes	Yes	Yes	Yes
17	Yes	Yes	Yes	Yes	Yes	Yes
21	Yes	Yes	Yes	Yes	Yes	Yes
26	Yes	Yes	Yes	Yes	Yes	Yes
31	Yes	Yes	Yes	Yes	Yes	Yes
37	Yes	Yes	Yes	Yes	Yes	Yes
43	Yes	Yes	Yes	Yes	Yes	Yes
50	Yes	Yes	Yes	Yes	Yes	Yes
57	Yes	Yes	Yes	Yes	Yes	Yes
65	Yes	Yes	Yes	Yes	Yes	Yes
73	Yes	Yes	Yes	Yes	Yes	Yes
82	Yes	Yes	Yes	Yes	Yes	Yes
91	Yes	Yes	Yes	Yes	Yes	Yes
101	Yes	Yes	Yes	Yes	Yes	Yes
111	Yes	Yes	Yes	Yes	Yes	Yes
122	Yes	Yes	Yes	Yes	Yes	Yes
133	Yes	Yes	Yes	Yes	Yes	Yes
144	Yes	Yes	Yes	Yes	Yes	Yes
155	Yes	Yes	Yes	Yes	Yes	Yes
180	Yes	Yes	Yes	Yes	Yes	Yes
191	Yes	Yes	Yes	Yes	Yes	Yes
202	Yes	Yes	Yes	Yes	Yes	Yes

Table: Load Case Definitions, Part 1 of 3

Table: Load Case Definitions, Part 1 of 3

Case	Type	InitialCond	ModalCase	BaseCase	MassSource	DesTypeOpt	DesignType
DEAD	LinStatic	Zero				Prog Det	Dead
STERR	LinStatic	Zero				Prog Det	Dead
SSOVRdx	LinStatic	Zero				Prog Det	Dead

Table: Load Case Definitions, Part 1 of 3

Case	Type	InitialCond	ModalCase	BaseCase	MassSource	DesTypeOpt	DesignType
SSOVRsx	LinStatic	Zero				Prog Det	Dead
SW2	LinStatic	Zero				Prog Det	Dead

Table: Load Case Definitions, Part 2 of 3

Table: Load Case Definitions, Part 2 of 3

Case	DesActOpt	DesignAct	AutoType	RunCase	CaseStatus	GUID
DEAD	Prog Det	Non-Composite	None	Yes	Finished	
STERR	Prog Det	Non-Composite	None	Yes	Finished	
SSOVRdx	Prog Det	Non-Composite	None	Yes	Finished	
SSOVRsx	Prog Det	Non-Composite	None	Yes	Finished	
SW2	Prog Det	Non-Composite	None	Yes	Finished	

Table: Load Case Definitions, Part 3 of 3

Table: Load Case Definitions, Part 3 of 3

Case	Notes
DEAD	
STERR	
SSOVRdx	
SSOVRsx	
SW2	

Table: Load Pattern Definitions

Table: Load Pattern Definitions

LoadPat	DesignType	SelfWtMult	AutoLoad	GUID	Notes
DEAD	Dead	1			
STERR	Dead	0			
SSOVRdx	Dead	0			
SSOVRsx	Dead	0			
SW2	Dead	0			

Table: Material Properties 01 - General, Part 1 of 2

Table: Material Properties 01 - General, Part 1 of 2

Material	Type	SymType	TempDepend	Color	GUID
A615Gr60	Rebar	Uniaxial	No	Gray8Dark	
C28/35	Concrete	Isotropic	No	Green	

Table: Material Properties 03b - Concrete Data, Part 1 of 2

Table: Material Properties 03b - Concrete Data, Part 1 of 2

Material	Fc	eFc	LtWtConc	SSCurveOpt	SSHysType	SFc	SCap	FinalSlope
	KN/m2	KN/m2						
C28/35	28000	28000	No	Mander	Takeda	0,001733	0,005	-0,1

Table: Material Properties 03b - Concrete Data, Part 2 of 2

Table: Material Properties 03b - Concrete Data, Part 2 of 2

Material	FAngle	DAngle
	Degrees	Degrees
C28/35	0	0

ALLEGATO 2

Report di Calcolo

Nome Progetto: Palancola IN01

Autore:

Jobname:

Data: 08/12/2018 18:37:11

Design Section: Base Design Section

Sommario

Contenuto Sommario

1. Descrizione del Software

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

2. Descrizione della Stratigrafia e degli Strati di Terreno

Tipo : HORIZONTAL

Quota : 0 m

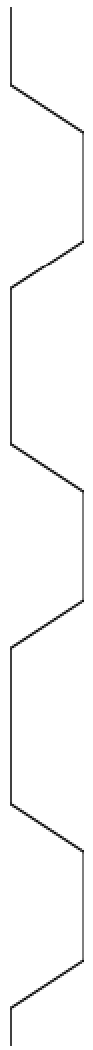
OCR : 1

Strato di Terreno	Terreno	γ dry kN/m³	γ sat kN/m³	ø' °	øcv °	øp °	c' kPa	Su kPa	Modulo Elastico	Eu	Evc kPa	Eur kPa	Ah	Av	exp	Pa kPa	Rur/Rvc	Rvc kPa	Ku kN/m³	Kvc kN/m³	Kur kN/m³
1	SABBIE e GHIAIE	19	19	36			0		Constant		80000	240000									

3. Descrizione Pareti

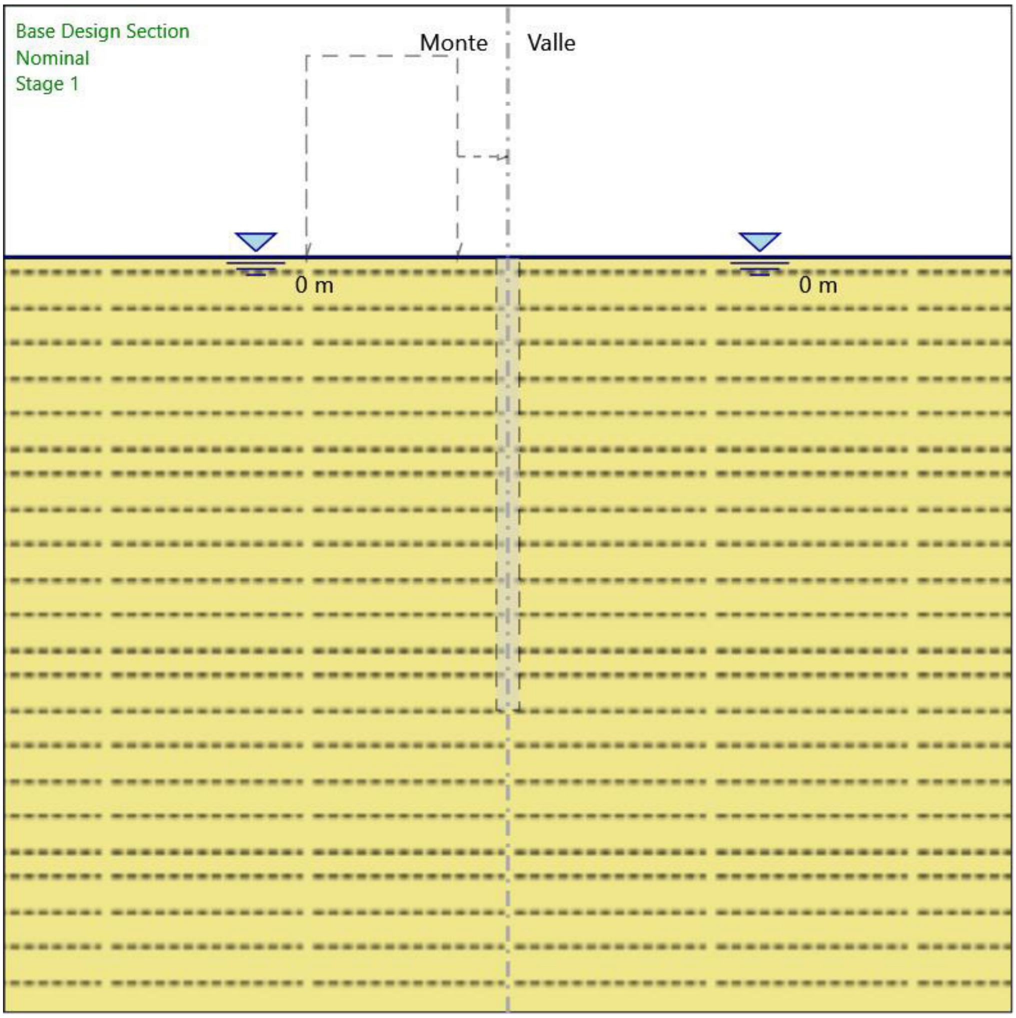
X : 0 m
Quota in alto : 0 m
Quota di fondo : -9 m
Muro di sinistra

Sezione : palancola
Area equivalente : 0.02161 m
Inerzia equivalente : 0.0006 m^4/m
Profilo palancola : PU_28



4. Fasi di Calcolo

4.1. Stage 1



Stage 1

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : 0 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

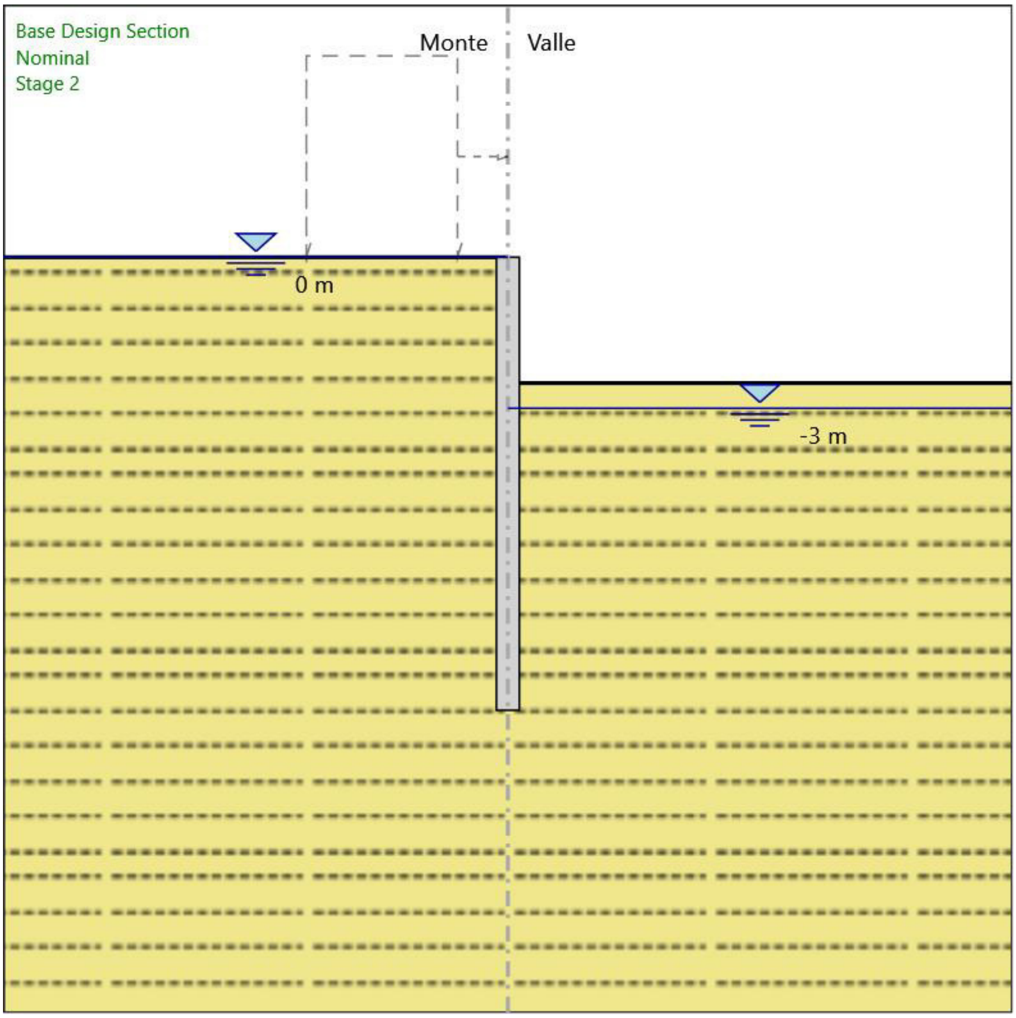
0 m

Falda acquifera

Falda di sinistra : 0 m

Falda di destra : 0 m

4.2. Stage 2



Stage 2

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : -2.5 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

-2.5 m

Falda acquifera

Falda di sinistra : 0 m

Falda di destra : -3 m

Elementi strutturali

Paratia : WallElement

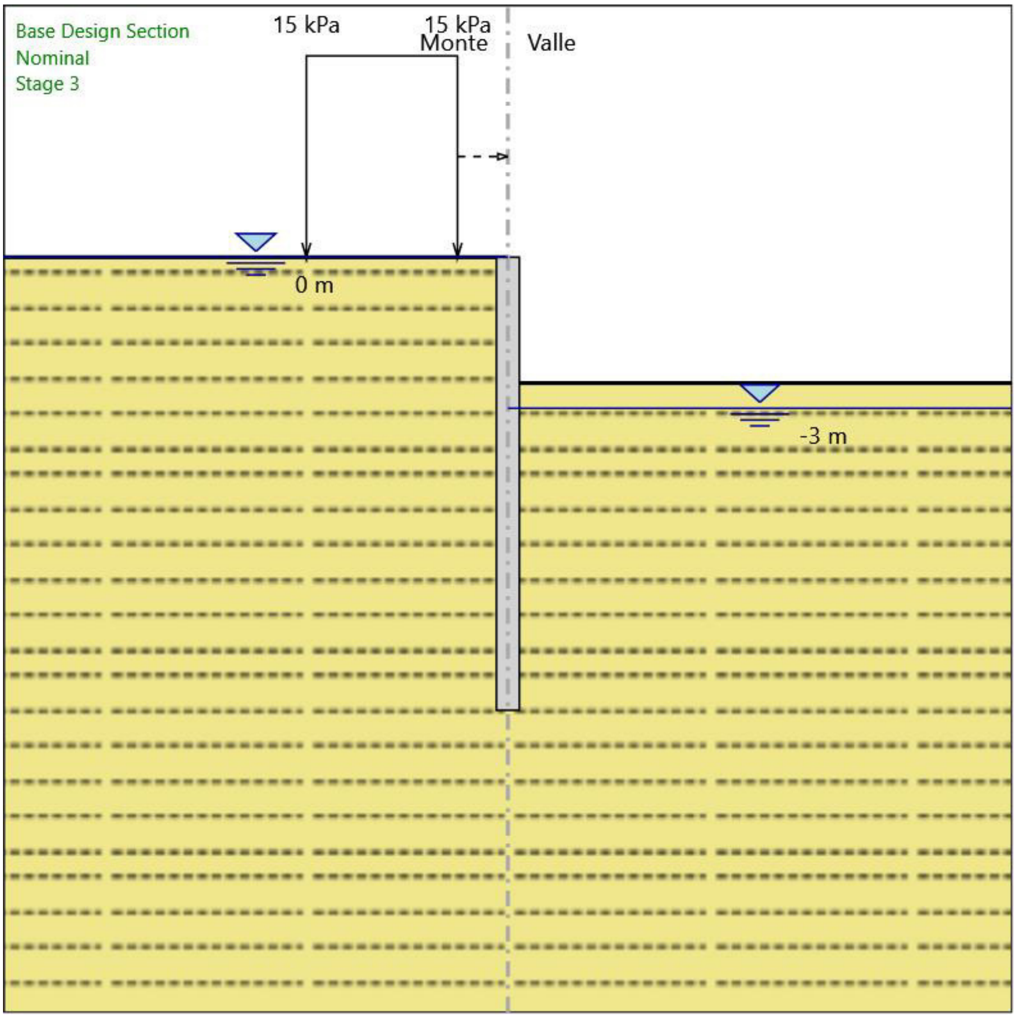
X : 0 m

Quota in alto : 0 m

Quota di fondo : -9 m

Sezione : palancola

4.3. Stage 3



Stage 3

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : -2.5 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

-2.5 m

Falda acquifera

Falda di sinistra : 0 m

Falda di destra : -3 m

Carichi

Carico lineare in superficie : SurfaceSurcharge

X iniziale : -4 m

X finale : -1 m

Pressione iniziale : 15 kPa

Pressione finale : 15 kPa

Elementi strutturali

Paratia : WallElement

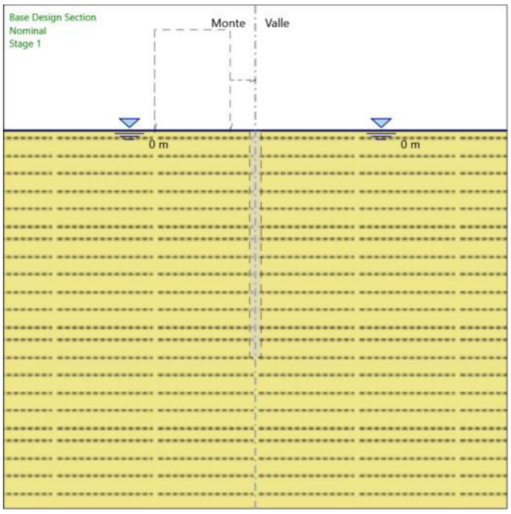
X : 0 m

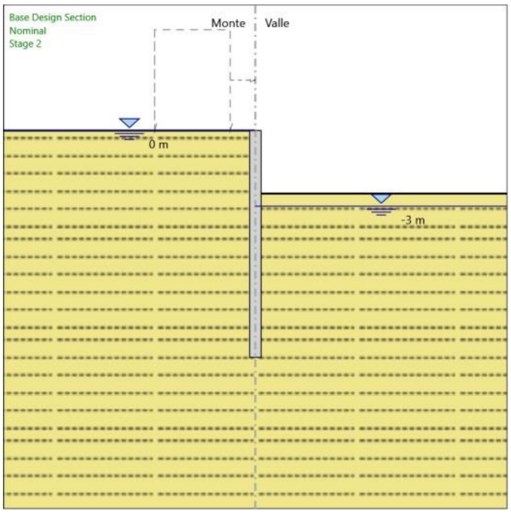
Quota in alto : 0 m

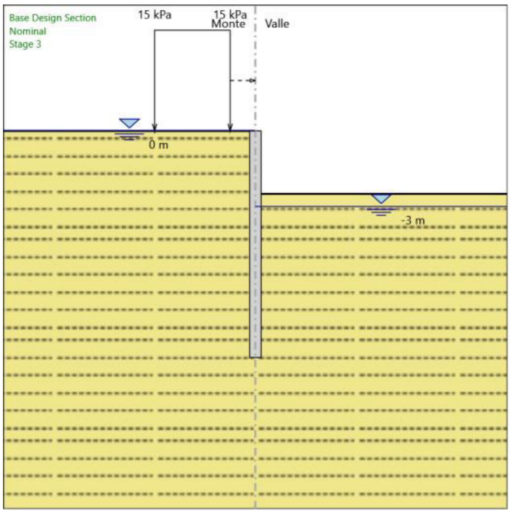
Quota di fondo : -9 m

Sezione : palancola

4.4. Tabella Configurazione Stage (Nominal)







5. Grafici dei Risultati

5.1. Design Assumption : Nominal

5.1.1. Tabella Spostamento Nominal - LEFT Stage: Stage 1

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento (mm)**
Stage 1	0	0
Stage 1	-0.2	0
Stage 1	-0.4	0
Stage 1	-0.6	0
Stage 1	-0.8	0
Stage 1	-1	0
Stage 1	-1.2	0
Stage 1	-1.4	0
Stage 1	-1.6	0
Stage 1	-1.8	0
Stage 1	-2	0
Stage 1	-2.2	0
Stage 1	-2.4	0
Stage 1	-2.6	0
Stage 1	-2.8	0
Stage 1	-3	0
Stage 1	-3.2	0
Stage 1	-3.4	0
Stage 1	-3.6	0
Stage 1	-3.8	0
Stage 1	-4	0
Stage 1	-4.2	0
Stage 1	-4.4	0
Stage 1	-4.6	0
Stage 1	-4.8	0
Stage 1	-5	0
Stage 1	-5.2	0
Stage 1	-5.4	0
Stage 1	-5.6	0
Stage 1	-5.8	0
Stage 1	-6	0
Stage 1	-6.2	0
Stage 1	-6.4	0
Stage 1	-6.6	0
Stage 1	-6.8	0
Stage 1	-7	0
Stage 1	-7.2	0
Stage 1	-7.4	0
Stage 1	-7.6	0
Stage 1	-7.8	0
Stage 1	-8	0
Stage 1	-8.2	0
Stage 1	-8.4	0
Stage 1	-8.6	0
Stage 1	-8.8	0
Stage 1	-9	0

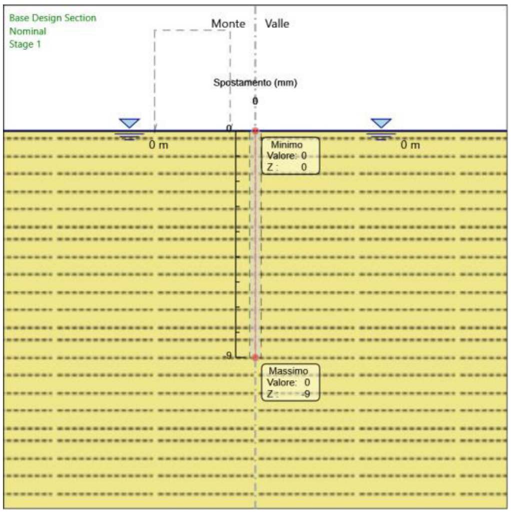
5.1.2. Tabella Spostamento Nominal - LEFT Stage: Stage 2

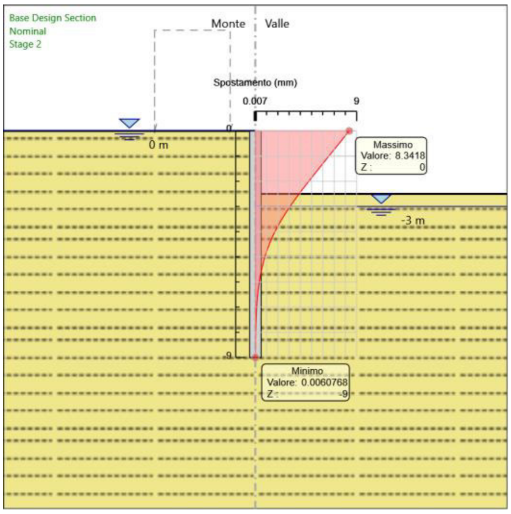
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 2	0	8.34
Stage 2	-0.2	7.98
Stage 2	-0.4	7.62
Stage 2	-0.6	7.26
Stage 2	-0.8	6.9
Stage 2	-1	6.54
Stage 2	-1.2	6.18
Stage 2	-1.4	5.82
Stage 2	-1.6	5.46
Stage 2	-1.8	5.1
Stage 2	-2	4.75
Stage 2	-2.2	4.4
Stage 2	-2.4	4.06
Stage 2	-2.6	3.72
Stage 2	-2.8	3.4
Stage 2	-3	3.08
Stage 2	-3.2	2.78
Stage 2	-3.4	2.5
Stage 2	-3.6	2.23
Stage 2	-3.8	1.98
Stage 2	-4	1.74
Stage 2	-4.2	1.53
Stage 2	-4.4	1.33
Stage 2	-4.6	1.15
Stage 2	-4.8	0.99
Stage 2	-5	0.85
Stage 2	-5.2	0.72
Stage 2	-5.4	0.61
Stage 2	-5.6	0.51
Stage 2	-5.8	0.42
Stage 2	-6	0.35
Stage 2	-6.2	0.28
Stage 2	-6.4	0.23
Stage 2	-6.6	0.19
Stage 2	-6.8	0.15
Stage 2	-7	0.12
Stage 2	-7.2	0.09
Stage 2	-7.4	0.07
Stage 2	-7.6	0.06
Stage 2	-7.8	0.05
Stage 2	-8	0.04
Stage 2	-8.2	0.03
Stage 2	-8.4	0.02
Stage 2	-8.6	0.02
Stage 2	-8.8	0.01
Stage 2	-9	0.01

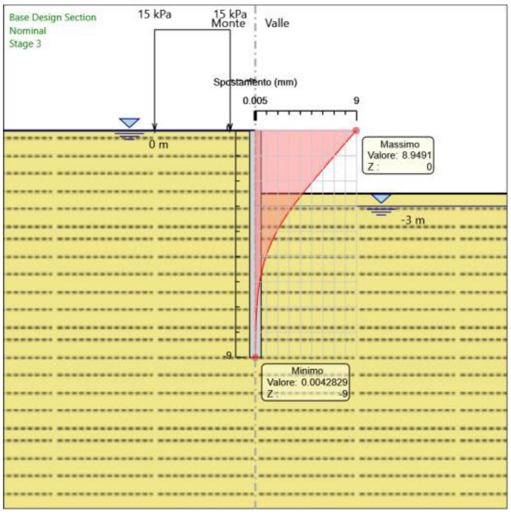
5.1.3. Tabella Spostamento Nominal - LEFT Stage: Stage 3

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento (mm)**
Stage 3	0	8.95
Stage 3	-0.2	8.56
Stage 3	-0.4	8.18
Stage 3	-0.6	7.8
Stage 3	-0.8	7.41
Stage 3	-1	7.03
Stage 3	-1.2	6.64
Stage 3	-1.4	6.26
Stage 3	-1.6	5.88
Stage 3	-1.8	5.5
Stage 3	-2	5.12
Stage 3	-2.2	4.75
Stage 3	-2.4	4.39
Stage 3	-2.6	4.03
Stage 3	-2.8	3.68
Stage 3	-3	3.34
Stage 3	-3.2	3.02
Stage 3	-3.4	2.72
Stage 3	-3.6	2.43
Stage 3	-3.8	2.16
Stage 3	-4	1.91
Stage 3	-4.2	1.68
Stage 3	-4.4	1.47
Stage 3	-4.6	1.27
Stage 3	-4.8	1.1
Stage 3	-5	0.94
Stage 3	-5.2	0.8
Stage 3	-5.4	0.68
Stage 3	-5.6	0.57
Stage 3	-5.8	0.48
Stage 3	-6	0.39
Stage 3	-6.2	0.32
Stage 3	-6.4	0.26
Stage 3	-6.6	0.21
Stage 3	-6.8	0.17
Stage 3	-7	0.14
Stage 3	-7.2	0.11
Stage 3	-7.4	0.09
Stage 3	-7.6	0.07
Stage 3	-7.8	0.06
Stage 3	-8	0.04
Stage 3	-8.2	0.03
Stage 3	-8.4	0.03
Stage 3	-8.6	0.02
Stage 3	-8.8	0.01
Stage 3	-9	0

5.1.4. Grafici Spostamento in tabella







5.2. Inviluppi Spostamento Nominal

5.3. Risultati Paratia

5.3.1. Tabella Risultati Paratia Nominal - Stage: Stage 1

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	0	0	0
Stage 1	-0.2	0	0
Stage 1	-0.4	0	0
Stage 1	-0.6	0	0
Stage 1	-0.8	0	0
Stage 1	-1	0	0
Stage 1	-1.2	0	0
Stage 1	-1.4	0	0
Stage 1	-1.6	0	0
Stage 1	-1.8	0	0
Stage 1	-2	0	0
Stage 1	-2.2	0	0
Stage 1	-2.4	0	0
Stage 1	-2.6	0	0
Stage 1	-2.8	0	0
Stage 1	-3	0	0
Stage 1	-3.2	0	0
Stage 1	-3.4	0	0
Stage 1	-3.6	0	0
Stage 1	-3.8	0	0
Stage 1	-4	0	0
Stage 1	-4.2	0	0
Stage 1	-4.4	0	0
Stage 1	-4.6	0	0
Stage 1	-4.8	0	0
Stage 1	-5	0	0
Stage 1	-5.2	0	0
Stage 1	-5.4	0	0
Stage 1	-5.6	0	0
Stage 1	-5.8	0	0
Stage 1	-6	0	0
Stage 1	-6.2	0	0
Stage 1	-6.4	0	0
Stage 1	-6.6	0	0
Stage 1	-6.8	0	0
Stage 1	-7	0	0
Stage 1	-7.2	0	0
Stage 1	-7.4	0	0
Stage 1	-7.6	0	0
Stage 1	-7.8	0	0
Stage 1	-8	0	0
Stage 1	-8.2	0	0
Stage 1	-8.4	0	0
Stage 1	-8.6	0	0
Stage 1	-8.8	0	0
Stage 1	-9	0	0

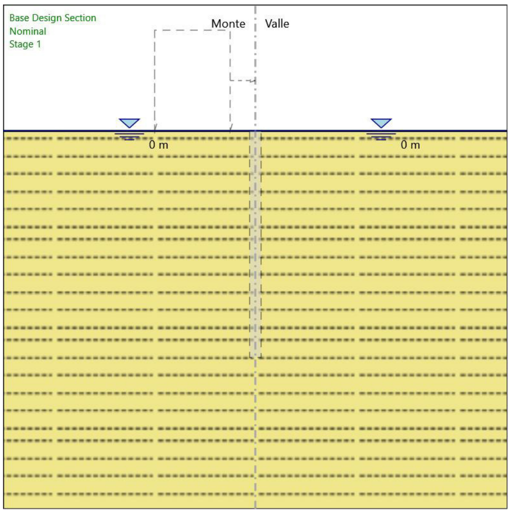
5.3.2. Tabella Risultati Paratia Nominal - Stage: Stage 2

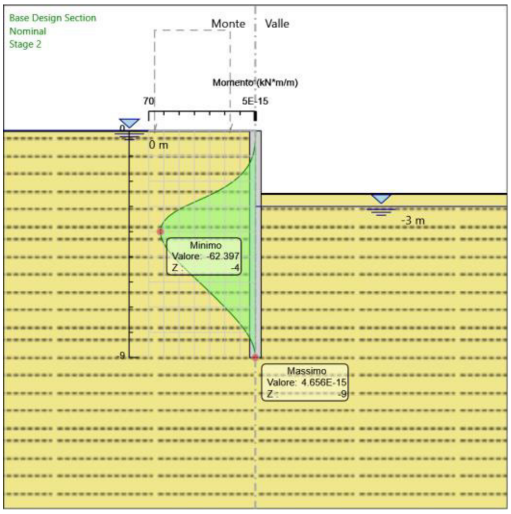
Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 2	0	0	0
Stage 2	-0.2	0	0
Stage 2	-0.2	0	0
Stage 2	-0.4	-0.09	-0.44
Stage 2	-0.6	-0.35	-1.31
Stage 2	-0.8	-0.87	-2.61
Stage 2	-1	-1.74	-4.35
Stage 2	-1.2	-3.05	-6.53
Stage 2	-1.4	-4.87	-9.13
Stage 2	-1.6	-7.31	-12.17
Stage 2	-1.8	-10.44	-15.65
Stage 2	-2	-14.35	-19.55
Stage 2	-2.2	-19.13	-23.89
Stage 2	-2.4	-24.86	-28.67
Stage 2	-2.6	-31.64	-33.88
Stage 2	-2.8	-39.06	-37.14
Stage 2	-3	-46.27	-36.05
Stage 2	-3.2	-52.4	-30.62
Stage 2	-3.4	-57.07	-23.38
Stage 2	-3.6	-60.15	-15.39
Stage 2	-3.8	-61.86	-8.53
Stage 2	-4	-62.4	-2.71
Stage 2	-4.2	-61.96	2.17
Stage 2	-4.4	-60.73	6.18
Stage 2	-4.6	-58.84	9.43
Stage 2	-4.8	-56.44	11.99
Stage 2	-5	-53.65	13.95
Stage 2	-5.2	-50.58	15.39
Stage 2	-5.4	-47.3	16.4
Stage 2	-5.6	-43.89	17.04
Stage 2	-5.8	-40.41	17.38
Stage 2	-6	-36.91	17.49
Stage 2	-6.2	-33.43	17.41
Stage 2	-6.4	-29.99	17.22
Stage 2	-6.6	-26.6	16.95
Stage 2	-6.8	-23.27	16.65
Stage 2	-7	-20.01	16.32
Stage 2	-7.2	-16.85	15.77
Stage 2	-7.4	-13.83	15.12
Stage 2	-7.6	-10.94	14.46
Stage 2	-7.8	-8.26	13.39
Stage 2	-8	-5.87	11.93
Stage 2	-8.2	-3.84	10.16
Stage 2	-8.4	-2.2	8.18
Stage 2	-8.6	-1	6.02
Stage 2	-8.8	-0.26	3.71
Stage 2	-9	0	1.28

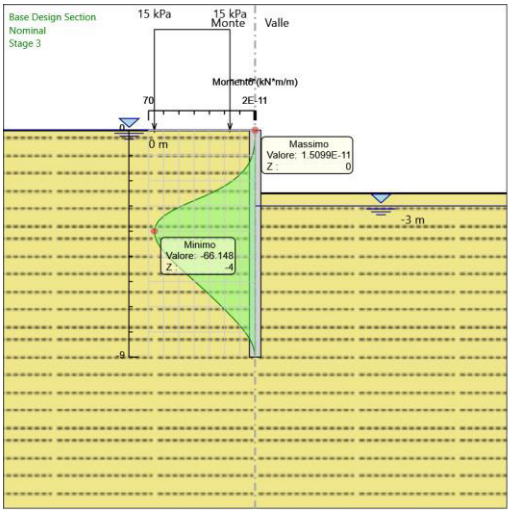
5.3.3. Tabella Risultati Paratia Nominal - Stage: Stage 3

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3	0	0	0
Stage 3	-0.2	0	0
Stage 3	-0.2	0	0
Stage 3	-0.4	-0.09	-0.44
Stage 3	-0.6	-0.35	-1.31
Stage 3	-0.8	-0.88	-2.64
Stage 3	-1	-1.76	-4.42
Stage 3	-1.2	-3.1	-6.66
Stage 3	-1.4	-4.97	-9.36
Stage 3	-1.6	-7.47	-12.53
Stage 3	-1.8	-10.71	-16.16
Stage 3	-2	-14.76	-20.27
Stage 3	-2.2	-19.73	-24.84
Stage 3	-2.4	-25.7	-29.87
Stage 3	-2.6	-32.77	-35.35
Stage 3	-2.8	-40.55	-38.9
Stage 3	-3	-48.17	-38.11
Stage 3	-3.2	-54.77	-32.99
Stage 3	-3.4	-59.99	-26.08
Stage 3	-3.6	-63.46	-17.38
Stage 3	-3.8	-65.44	-9.89
Stage 3	-4	-66.15	-3.53
Stage 3	-4.2	-65.79	1.78
Stage 3	-4.4	-64.56	6.16
Stage 3	-4.6	-62.62	9.71
Stage 3	-4.8	-60.11	12.51
Stage 3	-5	-57.18	14.66
Stage 3	-5.2	-53.93	16.25
Stage 3	-5.4	-50.46	17.35
Stage 3	-5.6	-46.86	18.04
Stage 3	-5.8	-43.18	18.39
Stage 3	-6	-39.48	18.48
Stage 3	-6.2	-35.81	18.36
Stage 3	-6.4	-32.19	18.09
Stage 3	-6.6	-28.65	17.72
Stage 3	-6.8	-25.19	17.3
Stage 3	-7	-21.81	16.87
Stage 3	-7.2	-18.52	16.47
Stage 3	-7.4	-15.3	16.1
Stage 3	-7.6	-12.18	15.63
Stage 3	-7.8	-9.25	14.65
Stage 3	-8	-6.61	13.18
Stage 3	-8.2	-4.34	11.34
Stage 3	-8.4	-2.5	9.2
Stage 3	-8.6	-1.14	6.82
Stage 3	-8.8	-0.29	4.23
Stage 3	-9	0	1.46

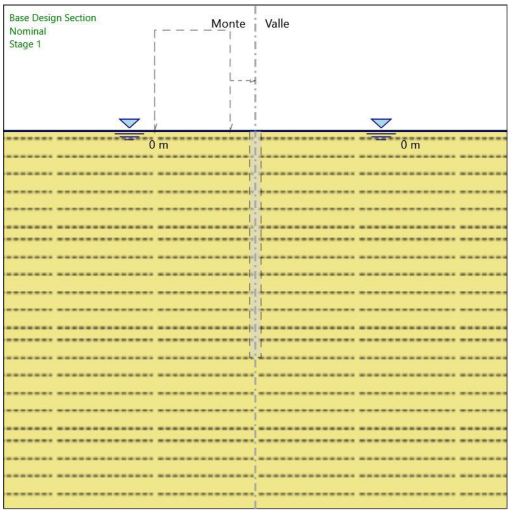
5.3.4. Grafico Momento Nominal

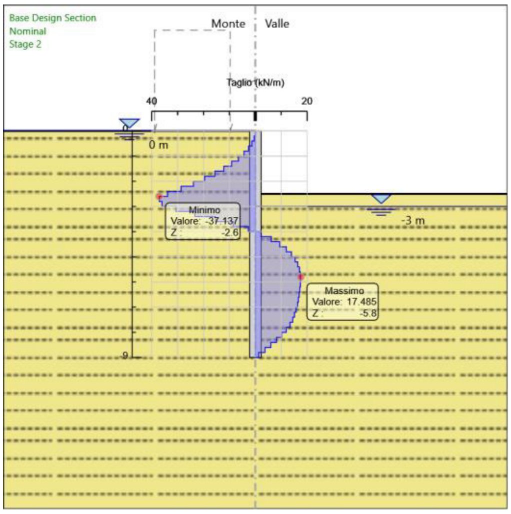


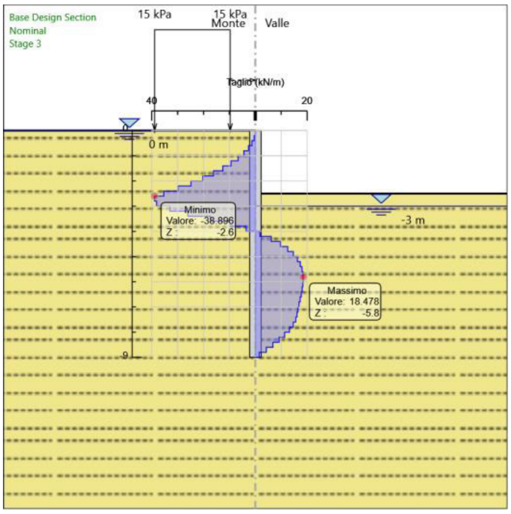




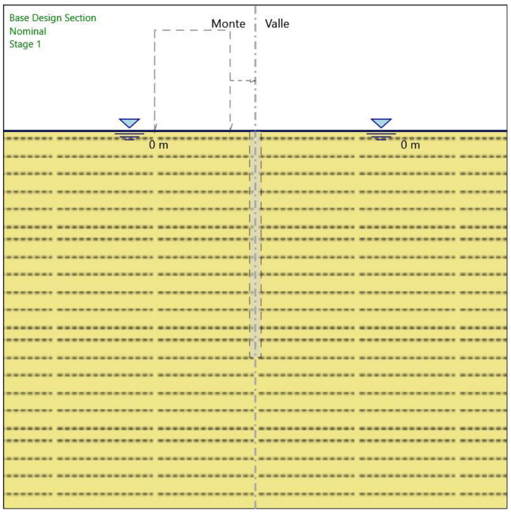
5.3.5. Grafico Taglio Nominal

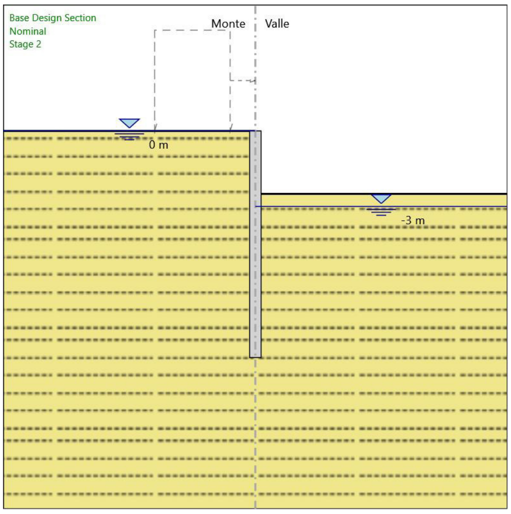


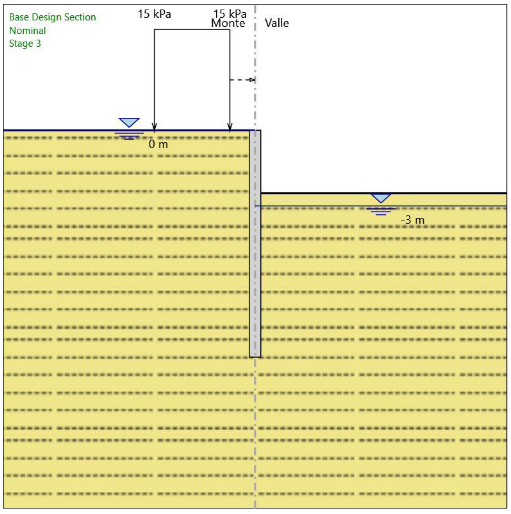




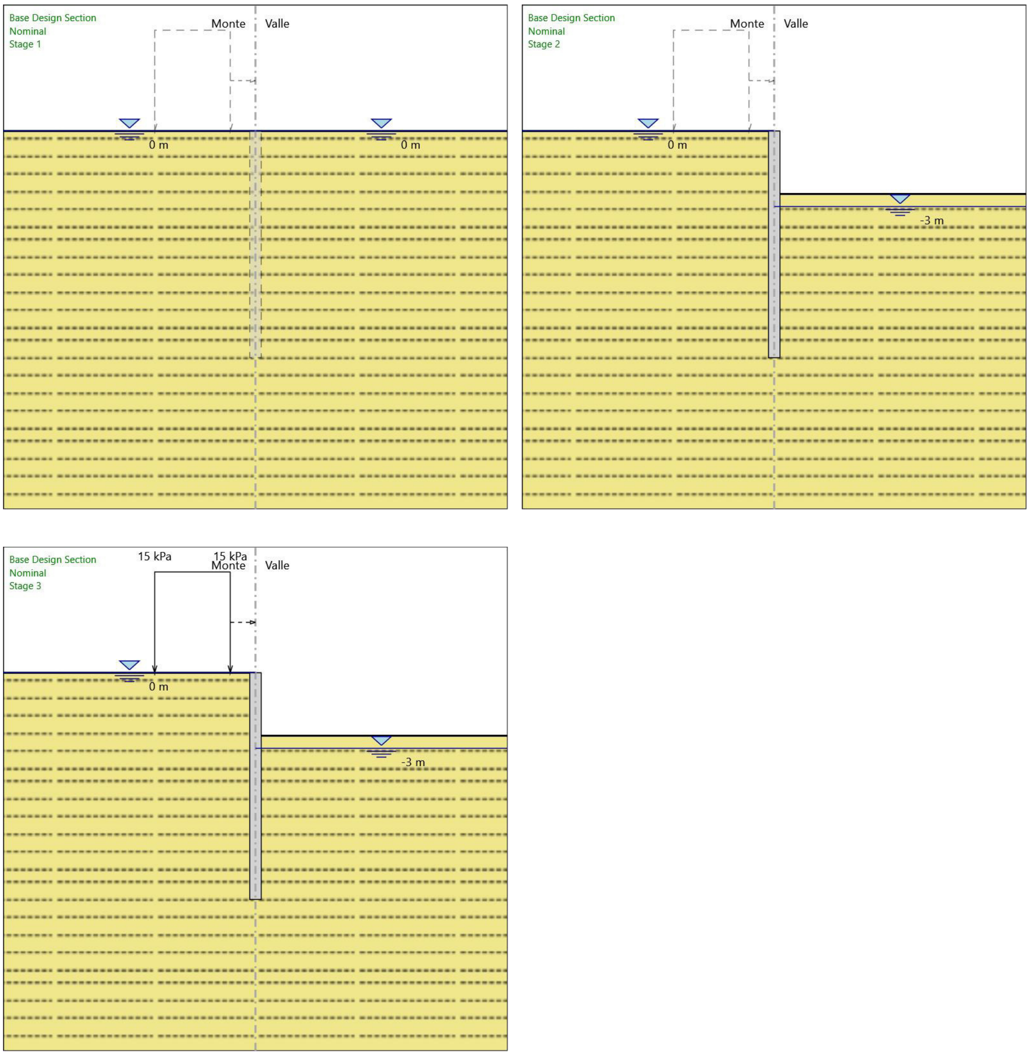
5.3.6. Grafico Momento Nominal







5.3.7. Grafico Taglio Nominal



5.4. Inviluppi Risultati Paratia Nominal

5.4. Riepilogo spinte

Design Assumption: Nominal Stage	Tipo Risultato: Riepilogo spinte Vera effettiva (kN/m)	Muro: Pressione neutra (kN/m)	LEFT Vera Totale (kN/m)	Lato Min ammissibile (kN/m)	LEFT Max ammissibile (kN/m)	Percentuale di resistenza massima	Vera / Attiva
Stage 1	149.4	405	554.4	2.1	2292.3	6.52%	71.14
Stage 2	130.8	324	454.8	2.6	2801.7	4.67%	50.31
Stage 3	140.7	324	464.7	2.7	3059.9	4.6%	52.11

Design Assumption: Nominal Stage	Tipo Risultato: Riepilogo spinte Vera effettiva (kN/m)	Muro: Pressione neutra (kN/m)	LEFT Vera Totale (kN/m)	Lato Min ammissibile (kN/m)	RIGHT Max ammissibile (kN/m)	Percentuale di resistenza massima	Vera / Attiva
Stage 1	149.4	405	554.4	2.1	2292.3	6.52%	71.14
Stage 2	238.8	216	454.8	1.3	1166.4	20.47%	183.69
Stage 3	248.7	216	464.7	1.3	1166.4	21.32%	191.31

6. Descrizione Coefficienti Design Assumption

Coefficienti A

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

Coefficienti M

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

Coefficienti R

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

6.1. Risultati SLE (Rara)

6.1.1. Tabella Spostamento SLE (Rara) - LEFT Stage: Stage 1

Design Assumption: SLE (Rara)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento (mm)**
Stage 1	0	0
Stage 1	-0.2	0
Stage 1	-0.4	0
Stage 1	-0.6	0
Stage 1	-0.8	0
Stage 1	-1	0
Stage 1	-1.2	0
Stage 1	-1.4	0
Stage 1	-1.6	0
Stage 1	-1.8	0
Stage 1	-2	0
Stage 1	-2.2	0
Stage 1	-2.4	0
Stage 1	-2.6	0
Stage 1	-2.8	0
Stage 1	-3	0
Stage 1	-3.2	0
Stage 1	-3.4	0
Stage 1	-3.6	0
Stage 1	-3.8	0
Stage 1	-4	0
Stage 1	-4.2	0
Stage 1	-4.4	0
Stage 1	-4.6	0
Stage 1	-4.8	0
Stage 1	-5	0
Stage 1	-5.2	0
Stage 1	-5.4	0
Stage 1	-5.6	0
Stage 1	-5.8	0
Stage 1	-6	0
Stage 1	-6.2	0
Stage 1	-6.4	0
Stage 1	-6.6	0
Stage 1	-6.8	0
Stage 1	-7	0
Stage 1	-7.2	0
Stage 1	-7.4	0
Stage 1	-7.6	0
Stage 1	-7.8	0
Stage 1	-8	0
Stage 1	-8.2	0
Stage 1	-8.4	0
Stage 1	-8.6	0
Stage 1	-8.8	0
Stage 1	-9	0

6.1.2. Tabella Risultati Paratia SLE (Rara) - Left Wall - Stage: Stage 1

Design Assumption: SLE (Rara)	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 1	0	0	0
Stage 1	-0.2	0	0
Stage 1	-0.4	0	0
Stage 1	-0.6	0	0
Stage 1	-0.8	0	0
Stage 1	-1	0	0
Stage 1	-1.2	0	0
Stage 1	-1.4	0	0
Stage 1	-1.6	0	0
Stage 1	-1.8	0	0
Stage 1	-2	0	0
Stage 1	-2.2	0	0
Stage 1	-2.4	0	0
Stage 1	-2.6	0	0
Stage 1	-2.8	0	0
Stage 1	-3	0	0
Stage 1	-3.2	0	0
Stage 1	-3.4	0	0
Stage 1	-3.6	0	0
Stage 1	-3.8	0	0
Stage 1	-4	0	0
Stage 1	-4.2	0	0
Stage 1	-4.4	0	0
Stage 1	-4.6	0	0
Stage 1	-4.8	0	0
Stage 1	-5	0	0
Stage 1	-5.2	0	0
Stage 1	-5.4	0	0
Stage 1	-5.6	0	0
Stage 1	-5.8	0	0
Stage 1	-6	0	0
Stage 1	-6.2	0	0
Stage 1	-6.4	0	0
Stage 1	-6.6	0	0
Stage 1	-6.8	0	0
Stage 1	-7	0	0
Stage 1	-7.2	0	0
Stage 1	-7.4	0	0
Stage 1	-7.6	0	0
Stage 1	-7.8	0	0
Stage 1	-8	0	0
Stage 1	-8.2	0	0
Stage 1	-8.4	0	0
Stage 1	-8.6	0	0
Stage 1	-8.8	0	0
Stage 1	-9	0	0

6.1.3. Tabella Spostamento SLE (Rara) - LEFT Stage: Stage 2

Design Assumption: SLE (Rara)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento (mm)**
Stage 2	0	8.34
Stage 2	-0.2	7.98
Stage 2	-0.4	7.62
Stage 2	-0.6	7.26
Stage 2	-0.8	6.9
Stage 2	-1	6.54
Stage 2	-1.2	6.18
Stage 2	-1.4	5.82
Stage 2	-1.6	5.46
Stage 2	-1.8	5.1
Stage 2	-2	4.75
Stage 2	-2.2	4.4
Stage 2	-2.4	4.06
Stage 2	-2.6	3.72
Stage 2	-2.8	3.4
Stage 2	-3	3.08
Stage 2	-3.2	2.78
Stage 2	-3.4	2.5
Stage 2	-3.6	2.23
Stage 2	-3.8	1.98
Stage 2	-4	1.74
Stage 2	-4.2	1.53
Stage 2	-4.4	1.33
Stage 2	-4.6	1.15
Stage 2	-4.8	0.99
Stage 2	-5	0.85
Stage 2	-5.2	0.72
Stage 2	-5.4	0.61
Stage 2	-5.6	0.51
Stage 2	-5.8	0.42
Stage 2	-6	0.35
Stage 2	-6.2	0.28
Stage 2	-6.4	0.23
Stage 2	-6.6	0.19
Stage 2	-6.8	0.15
Stage 2	-7	0.12
Stage 2	-7.2	0.09
Stage 2	-7.4	0.07
Stage 2	-7.6	0.06
Stage 2	-7.8	0.05
Stage 2	-8	0.04
Stage 2	-8.2	0.03
Stage 2	-8.4	0.02
Stage 2	-8.6	0.02
Stage 2	-8.8	0.01
Stage 2	-9	0.01

6.1.4. Tabella Risultati Paratia SLE (Rara) - Left Wall - Stage: Stage 2

Design Assumption: SLE (Rara)	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2	0	0	0
Stage 2	-0.2	0	0
Stage 2	-0.2	0	0
Stage 2	-0.4	-0.09	-0.44
Stage 2	-0.6	-0.35	-1.31
Stage 2	-0.8	-0.87	-2.61
Stage 2	-1	-1.74	-4.35
Stage 2	-1.2	-3.05	-6.53
Stage 2	-1.4	-4.87	-9.13
Stage 2	-1.6	-7.31	-12.17
Stage 2	-1.8	-10.44	-15.65
Stage 2	-2	-14.35	-19.55
Stage 2	-2.2	-19.13	-23.89
Stage 2	-2.4	-24.86	-28.67
Stage 2	-2.6	-31.64	-33.88
Stage 2	-2.8	-39.06	-37.14
Stage 2	-3	-46.27	-36.05
Stage 2	-3.2	-52.4	-30.62
Stage 2	-3.4	-57.07	-23.38
Stage 2	-3.6	-60.15	-15.39
Stage 2	-3.8	-61.86	-8.53
Stage 2	-4	-62.4	-2.71
Stage 2	-4.2	-61.96	2.17
Stage 2	-4.4	-60.73	6.18
Stage 2	-4.6	-58.84	9.43
Stage 2	-4.8	-56.44	11.99
Stage 2	-5	-53.65	13.95
Stage 2	-5.2	-50.58	15.39
Stage 2	-5.4	-47.3	16.4
Stage 2	-5.6	-43.89	17.04
Stage 2	-5.8	-40.41	17.38
Stage 2	-6	-36.91	17.49
Stage 2	-6.2	-33.43	17.41
Stage 2	-6.4	-29.99	17.22
Stage 2	-6.6	-26.6	16.95
Stage 2	-6.8	-23.27	16.65
Stage 2	-7	-20.01	16.32
Stage 2	-7.2	-16.85	15.77
Stage 2	-7.4	-13.83	15.12
Stage 2	-7.6	-10.94	14.46
Stage 2	-7.8	-8.26	13.39
Stage 2	-8	-5.87	11.93
Stage 2	-8.2	-3.84	10.16
Stage 2	-8.4	-2.2	8.18
Stage 2	-8.6	-1	6.02
Stage 2	-8.8	-0.26	3.71
Stage 2	-9	0	1.28

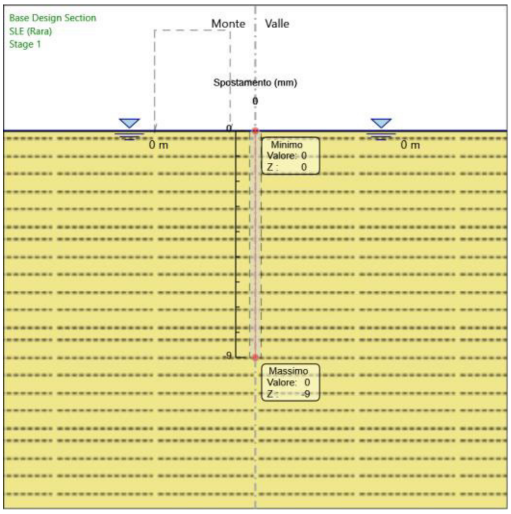
6.1.5. Tabella Spostamento SLE (Rara) - LEFT Stage: Stage 3

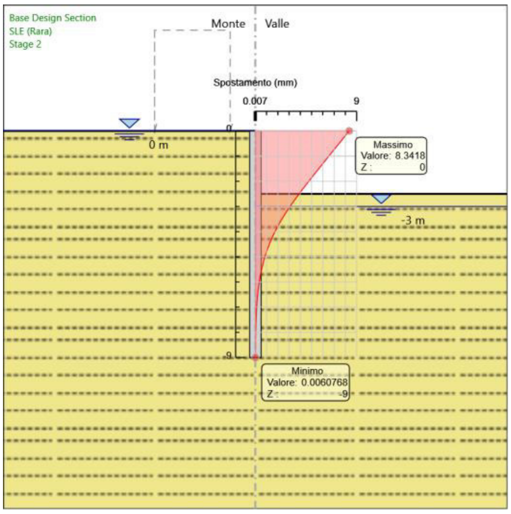
Design Assumption: SLE (Rara)	Tipo Risultato: Spostamento	Muro: LEFT
Stage	**Z (m)**	**Spostamento (mm)**
Stage 3	0	8.95
Stage 3	-0.2	8.56
Stage 3	-0.4	8.18
Stage 3	-0.6	7.8
Stage 3	-0.8	7.41
Stage 3	-1	7.03
Stage 3	-1.2	6.64
Stage 3	-1.4	6.26
Stage 3	-1.6	5.88
Stage 3	-1.8	5.5
Stage 3	-2	5.12
Stage 3	-2.2	4.75
Stage 3	-2.4	4.39
Stage 3	-2.6	4.03
Stage 3	-2.8	3.68
Stage 3	-3	3.34
Stage 3	-3.2	3.02
Stage 3	-3.4	2.72
Stage 3	-3.6	2.43
Stage 3	-3.8	2.16
Stage 3	-4	1.91
Stage 3	-4.2	1.68
Stage 3	-4.4	1.47
Stage 3	-4.6	1.27
Stage 3	-4.8	1.1
Stage 3	-5	0.94
Stage 3	-5.2	0.8
Stage 3	-5.4	0.68
Stage 3	-5.6	0.57
Stage 3	-5.8	0.48
Stage 3	-6	0.39
Stage 3	-6.2	0.32
Stage 3	-6.4	0.26
Stage 3	-6.6	0.21
Stage 3	-6.8	0.17
Stage 3	-7	0.14
Stage 3	-7.2	0.11
Stage 3	-7.4	0.09
Stage 3	-7.6	0.07
Stage 3	-7.8	0.06
Stage 3	-8	0.04
Stage 3	-8.2	0.03
Stage 3	-8.4	0.03
Stage 3	-8.6	0.02
Stage 3	-8.8	0.01
Stage 3	-9	0

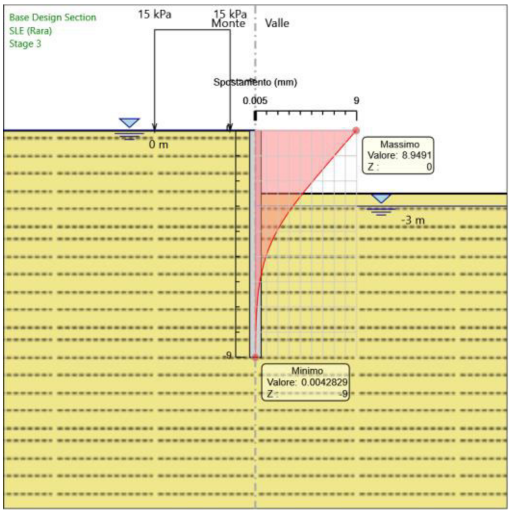
6.1.6. Tabella Risultati Paratia SLE (Rara) - Left Wall - Stage: Stage 3

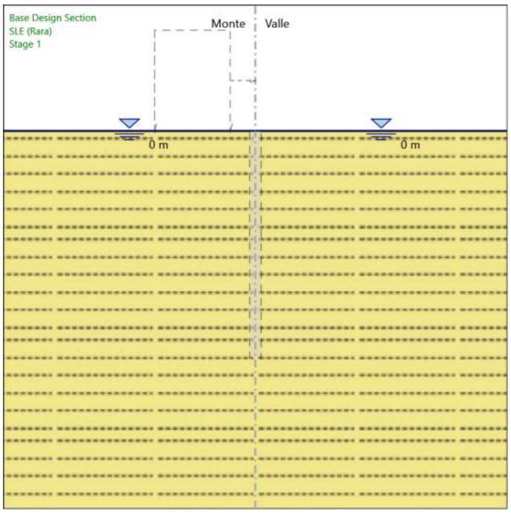
Design Assumption: SLE (Rara)	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 3	0	0	0
Stage 3	-0.2	0	0
Stage 3	-0.2	0	0
Stage 3	-0.4	-0.09	-0.44
Stage 3	-0.6	-0.35	-1.31
Stage 3	-0.8	-0.88	-2.64
Stage 3	-1	-1.76	-4.42
Stage 3	-1.2	-3.1	-6.66
Stage 3	-1.4	-4.97	-9.36
Stage 3	-1.6	-7.47	-12.53
Stage 3	-1.8	-10.71	-16.16
Stage 3	-2	-14.76	-20.27
Stage 3	-2.2	-19.73	-24.84
Stage 3	-2.4	-25.7	-29.87
Stage 3	-2.6	-32.77	-35.35
Stage 3	-2.8	-40.55	-38.9
Stage 3	-3	-48.17	-38.11
Stage 3	-3.2	-54.77	-32.99
Stage 3	-3.4	-59.99	-26.08
Stage 3	-3.6	-63.46	-17.38
Stage 3	-3.8	-65.44	-9.89
Stage 3	-4	-66.15	-3.53
Stage 3	-4.2	-65.79	1.78
Stage 3	-4.4	-64.56	6.16
Stage 3	-4.6	-62.62	9.71
Stage 3	-4.8	-60.11	12.51
Stage 3	-5	-57.18	14.66
Stage 3	-5.2	-53.93	16.25
Stage 3	-5.4	-50.46	17.35
Stage 3	-5.6	-46.86	18.04
Stage 3	-5.8	-43.18	18.39
Stage 3	-6	-39.48	18.48
Stage 3	-6.2	-35.81	18.36
Stage 3	-6.4	-32.19	18.09
Stage 3	-6.6	-28.65	17.72
Stage 3	-6.8	-25.19	17.3
Stage 3	-7	-21.81	16.87
Stage 3	-7.2	-18.52	16.47
Stage 3	-7.4	-15.3	16.1
Stage 3	-7.6	-12.18	15.63
Stage 3	-7.8	-9.25	14.65
Stage 3	-8	-6.61	13.18
Stage 3	-8.2	-4.34	11.34
Stage 3	-8.4	-2.5	9.2
Stage 3	-8.6	-1.14	6.82
Stage 3	-8.8	-0.29	4.23
Stage 3	-9	0	1.46

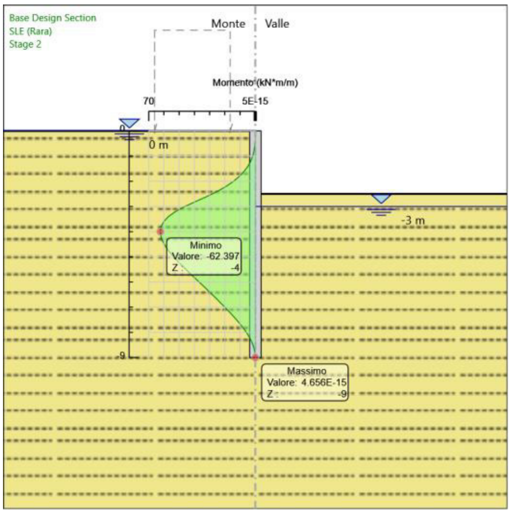
6.1.7. Tabella Grafici dei Risultati

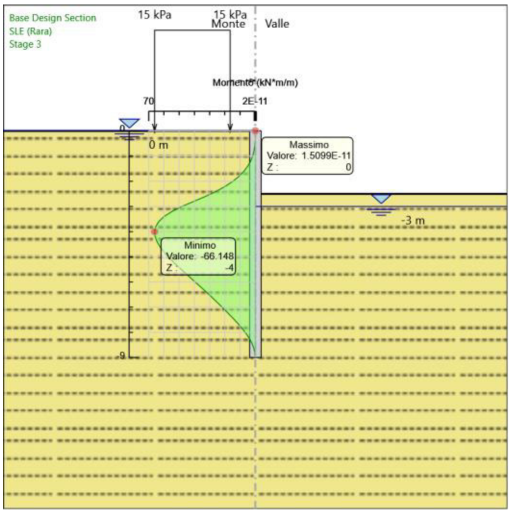


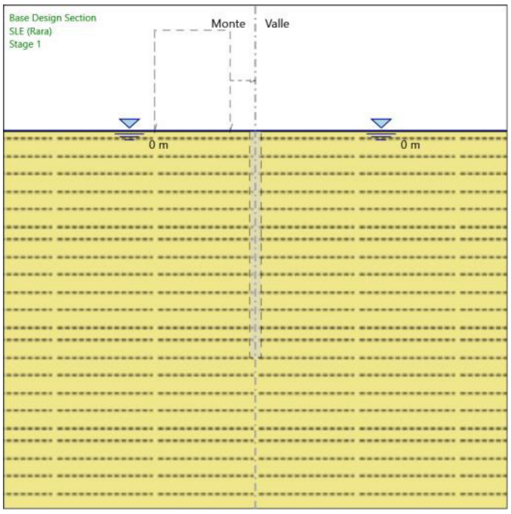


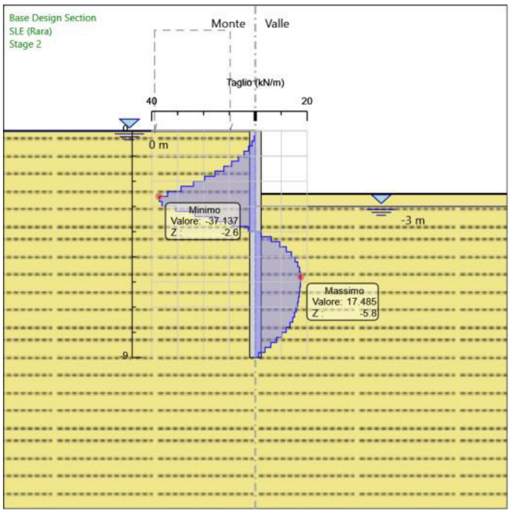


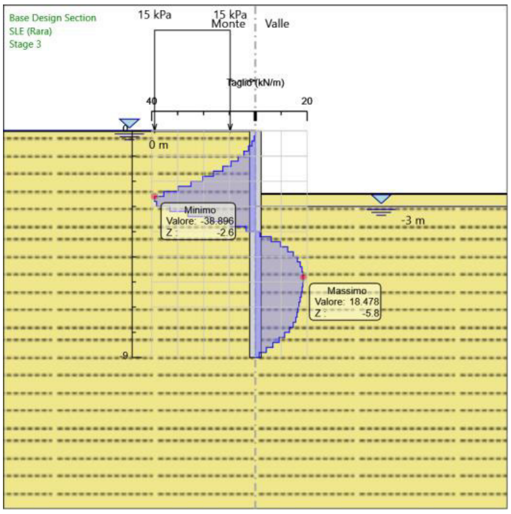


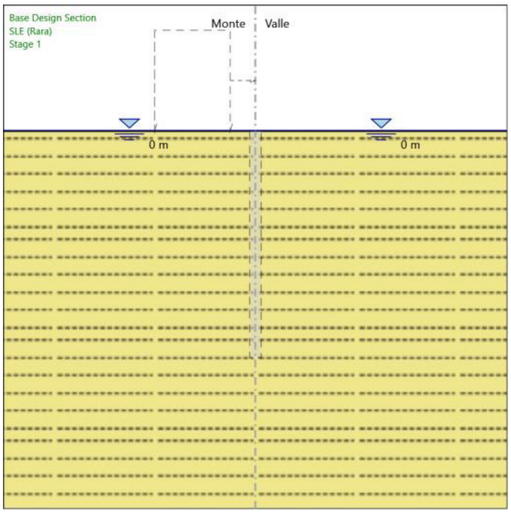


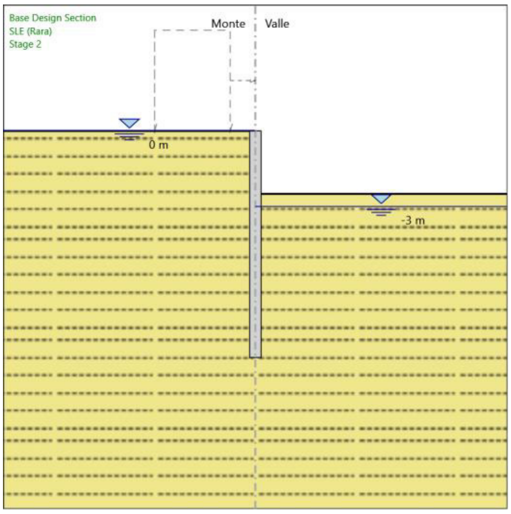

Base Design Section
SLE (Rara)
Stage 3
15 kPa
15 kPa
Monte
Valle
Momento (kN*m/m)
70
2E-11
0 m
Massimo
Valore: 1.5099E-11
Z : 0
-3 m
Minimo
Valore: -66.148
Z : -4
-9

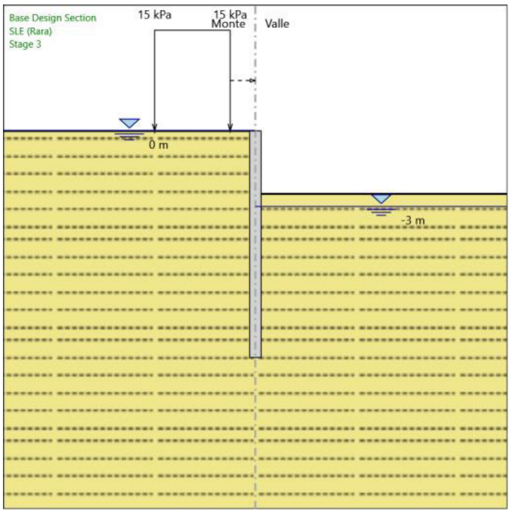

Base Design Section
SLE (Rara)
Stage 1
Monte
Valle
0 m
0 m

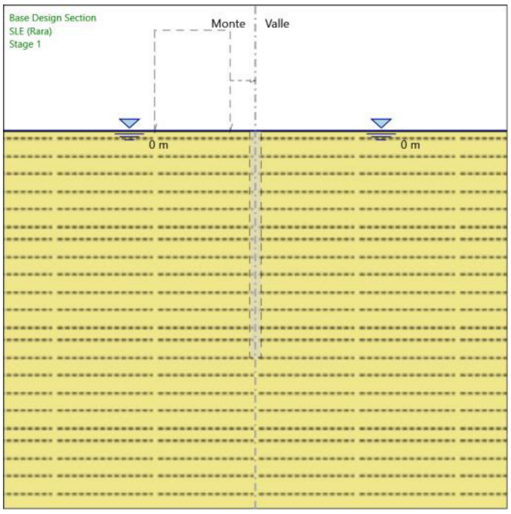

Base Design Section
SLE (Rara)
Stage 2
Monte
Valle
Taglio (kN/m)
40
20
0 m
Minimo
Valore: -37.137
Z : -2.6
-3 m
Massimo
Valore: 17.485
Z : -5.8
-9

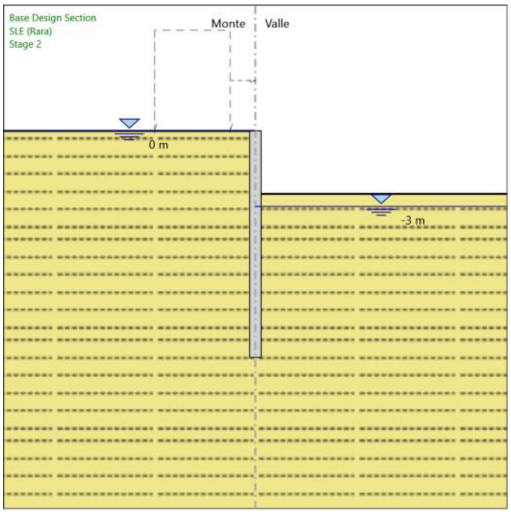

Base Design Section
SLE (Rara)
Stage 3
15 kPa
15 kPa
Monte
Valle
Taglio (kN/m)
40
20
0 m
Minimo
Valore: -38.896
Z : -2.6
-3 m
Massimo
Valore: 18.478
Z : -5.8
-9

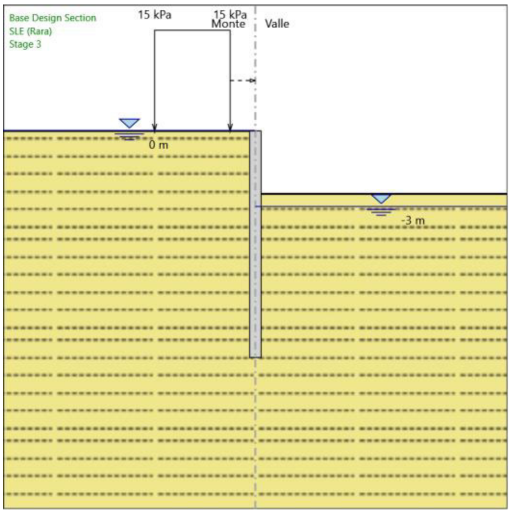

Base Design Section
SLE (Rara)
Stage 1
Monte
Valle
0 m
0 m


Base Design Section
SLE (Rara)
Stage 2
Monte
Valle
0 m
-3 m


Base Design Section
SLE (Rara)
Stage 3
15 kPa
15 kPa
Monte
Valle
0 m
-3 m


Base Design Section
SLE (Rara)
Stage 1
Monte
Valle
0 m
0 m


Base Design Section
SLE (Rara)
Stage 2
Monte
Valle
0 m
-3 m


Base Design Section
SLE (Rara)
Stage 3
15 kPa
15 kPa
Monte
Valle
0 m
-3 m

6.2. Risultati A1+M1+R1

6.2.1. Tabella Risultati Paratia A1+M1+R1 - Left Wall - Stage: Stage 1

Design Assumption: A1+M1+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	0	0	0
Stage 1	-0.2	0	0
Stage 1	-0.4	0	0
Stage 1	-0.6	0	0
Stage 1	-0.8	0	0
Stage 1	-1	0	0
Stage 1	-1.2	0	0
Stage 1	-1.4	0	0
Stage 1	-1.6	0	0
Stage 1	-1.8	0	0
Stage 1	-2	0	0
Stage 1	-2.2	0	0
Stage 1	-2.4	0	0
Stage 1	-2.6	0	0
Stage 1	-2.8	0	0
Stage 1	-3	0	0
Stage 1	-3.2	0	0
Stage 1	-3.4	0	0
Stage 1	-3.6	0	0
Stage 1	-3.8	0	0
Stage 1	-4	0	0
Stage 1	-4.2	0	0
Stage 1	-4.4	0	0
Stage 1	-4.6	0	0
Stage 1	-4.8	0	0
Stage 1	-5	0	0
Stage 1	-5.2	0	0
Stage 1	-5.4	0	0
Stage 1	-5.6	0	0
Stage 1	-5.8	0	0
Stage 1	-6	0	0
Stage 1	-6.2	0	0
Stage 1	-6.4	0	0
Stage 1	-6.6	0	0
Stage 1	-6.8	0	0
Stage 1	-7	0	0
Stage 1	-7.2	0	0
Stage 1	-7.4	0	0
Stage 1	-7.6	0	0
Stage 1	-7.8	0	0
Stage 1	-8	0	0
Stage 1	-8.2	0	0
Stage 1	-8.4	0	0
Stage 1	-8.6	0	0
Stage 1	-8.8	0	0
Stage 1	-9	0	0

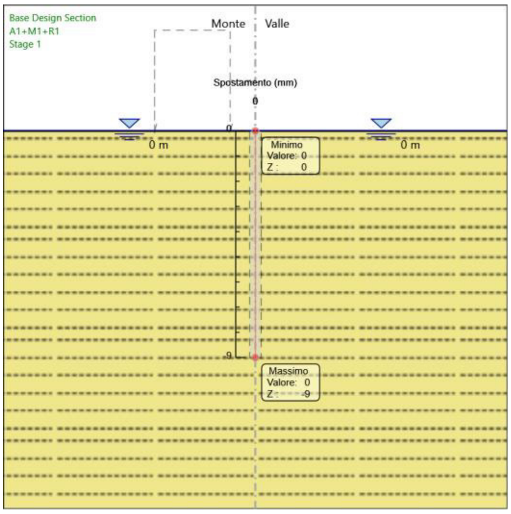
6.2.2. Tabella Risultati Paratia A1+M1+R1 - Left Wall - Stage: Stage 2

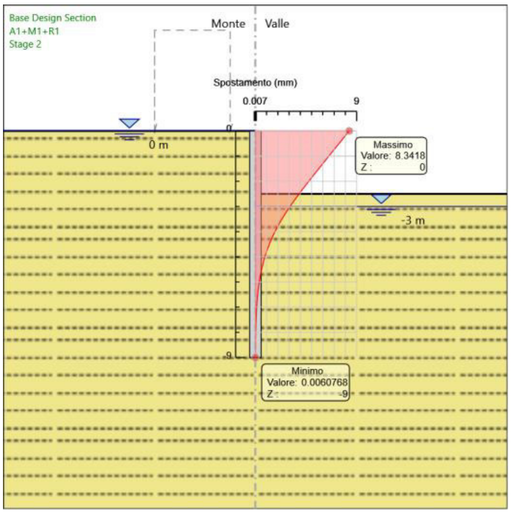
Design Assumption: A1+M1+R1	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 2	0	0	0
Stage 2	-0.2	0	0
Stage 2	-0.2	0	0
Stage 2	-0.4	-0.11	-0.57
Stage 2	-0.6	-0.45	-1.7
Stage 2	-0.8	-1.13	-3.4
Stage 2	-1	-2.27	-5.66
Stage 2	-1.2	-3.96	-8.48
Stage 2	-1.4	-6.34	-11.87
Stage 2	-1.6	-9.5	-15.82
Stage 2	-1.8	-13.57	-20.34
Stage 2	-2	-18.65	-25.42
Stage 2	-2.2	-24.86	-31.06
Stage 2	-2.4	-32.32	-37.27
Stage 2	-2.6	-41.13	-44.04
Stage 2	-2.8	-50.78	-48.28
Stage 2	-3	-60.16	-46.86
Stage 2	-3.2	-68.12	-39.8
Stage 2	-3.4	-74.19	-30.39
Stage 2	-3.6	-78.2	-20.01
Stage 2	-3.8	-80.41	-11.09
Stage 2	-4	-81.12	-3.52
Stage 2	-4.2	-80.55	2.82
Stage 2	-4.4	-78.95	8.04
Stage 2	-4.6	-76.49	12.25
Stage 2	-4.8	-73.38	15.58
Stage 2	-5	-69.75	18.13
Stage 2	-5.2	-65.75	20.01
Stage 2	-5.4	-61.48	21.32
Stage 2	-5.6	-57.05	22.15
Stage 2	-5.8	-52.54	22.59
Stage 2	-6	-47.99	22.73
Stage 2	-6.2	-43.46	22.64
Stage 2	-6.4	-38.98	22.38
Stage 2	-6.6	-34.58	22.03
Stage 2	-6.8	-30.25	21.64
Stage 2	-7	-26.01	21.21
Stage 2	-7.2	-21.91	20.5
Stage 2	-7.4	-17.97	19.66
Stage 2	-7.6	-14.22	18.79
Stage 2	-7.8	-10.73	17.41
Stage 2	-8	-7.63	15.51
Stage 2	-8.2	-4.99	13.21
Stage 2	-8.4	-2.86	10.63
Stage 2	-8.6	-1.3	7.82
Stage 2	-8.8	-0.33	4.83
Stage 2	-9	0	1.66

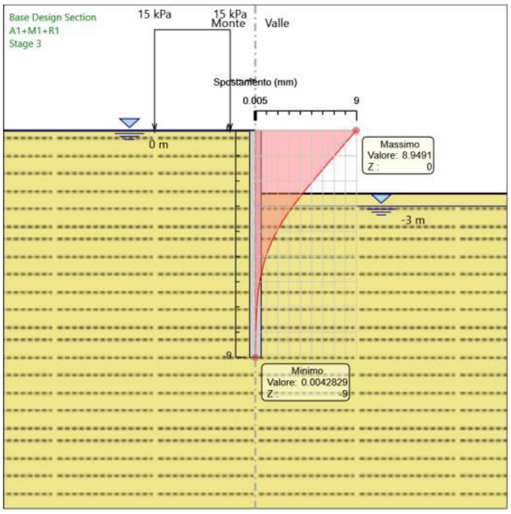
6.2.3. Tabella Risultati Paratia A1+M1+R1 - Left Wall - Stage: Stage 3

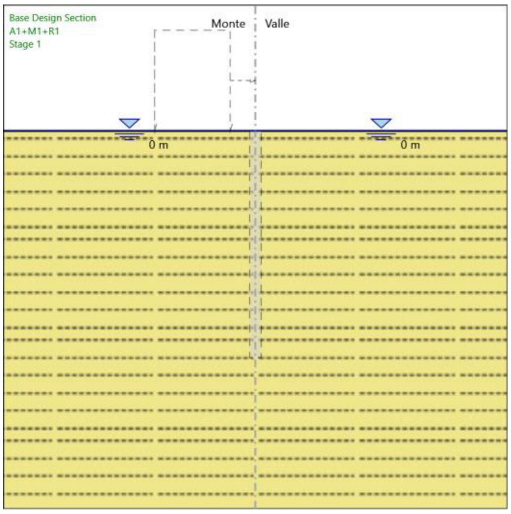
Design Assumption: A1+M1+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3	0	0	0
Stage 3	-0.2	0	0
Stage 3	-0.2	0	0
Stage 3	-0.4	-0.11	-0.57
Stage 3	-0.6	-0.45	-1.71
Stage 3	-0.8	-1.14	-3.43
Stage 3	-1	-2.29	-5.75
Stage 3	-1.2	-4.02	-8.66
Stage 3	-1.4	-6.46	-12.17
Stage 3	-1.6	-9.71	-16.29
Stage 3	-1.8	-13.92	-21.01
Stage 3	-2	-19.19	-26.35
Stage 3	-2.2	-25.65	-32.29
Stage 3	-2.4	-33.41	-38.83
Stage 3	-2.6	-42.6	-45.95
Stage 3	-2.8	-52.72	-50.56
Stage 3	-3	-62.62	-49.54
Stage 3	-3.2	-71.2	-42.89
Stage 3	-3.4	-77.98	-33.91
Stage 3	-3.6	-82.5	-22.59
Stage 3	-3.8	-85.07	-12.85
Stage 3	-4	-85.99	-4.59
Stage 3	-4.2	-85.53	2.31
Stage 3	-4.4	-83.93	8.01
Stage 3	-4.6	-81.4	12.62
Stage 3	-4.8	-78.15	16.27
Stage 3	-5	-74.34	19.06
Stage 3	-5.2	-70.11	21.12
Stage 3	-5.4	-65.6	22.55
Stage 3	-5.6	-60.91	23.45
Stage 3	-5.8	-56.13	23.91
Stage 3	-6	-51.33	24.02
Stage 3	-6.2	-46.55	23.87
Stage 3	-6.4	-41.85	23.52
Stage 3	-6.6	-37.24	23.04
Stage 3	-6.8	-32.74	22.49
Stage 3	-7	-28.36	21.93
Stage 3	-7.2	-24.08	21.41
Stage 3	-7.4	-19.89	20.93
Stage 3	-7.6	-15.83	20.31
Stage 3	-7.8	-12.02	19.05
Stage 3	-8	-8.59	17.14
Stage 3	-8.2	-5.64	14.74
Stage 3	-8.4	-3.25	11.95
Stage 3	-8.6	-1.48	8.86
Stage 3	-8.8	-0.38	5.5
Stage 3	-9	0	1.9

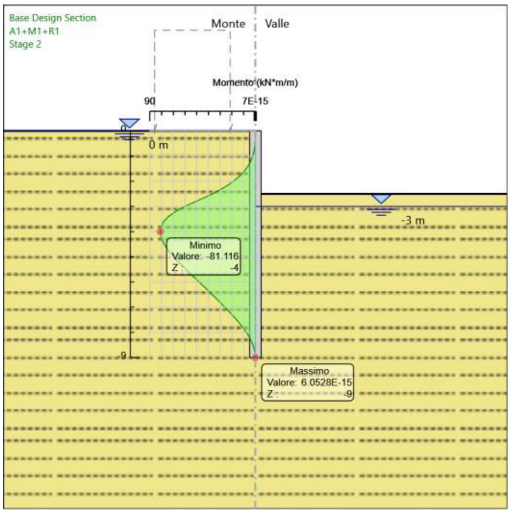
6.2.4. Tabella Grafici dei Risultati

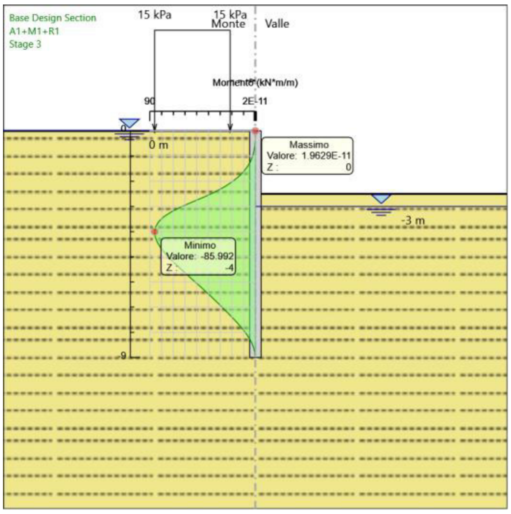


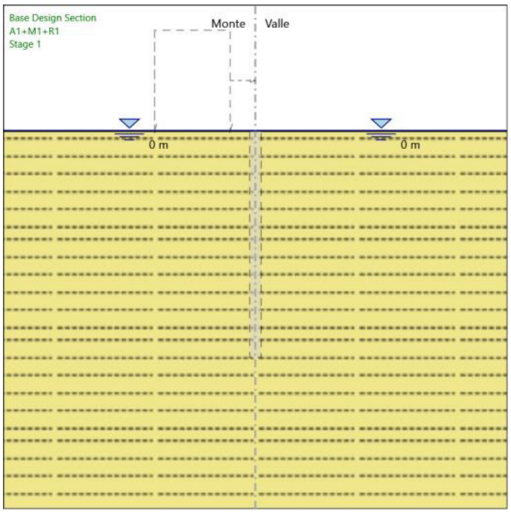


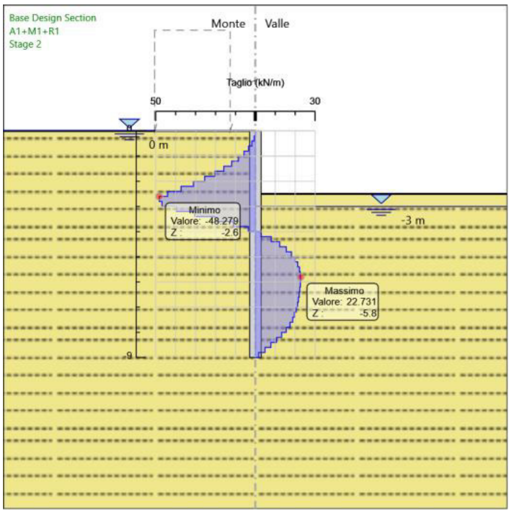


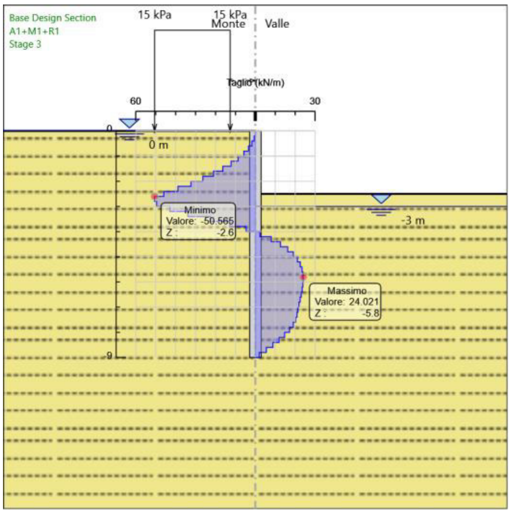


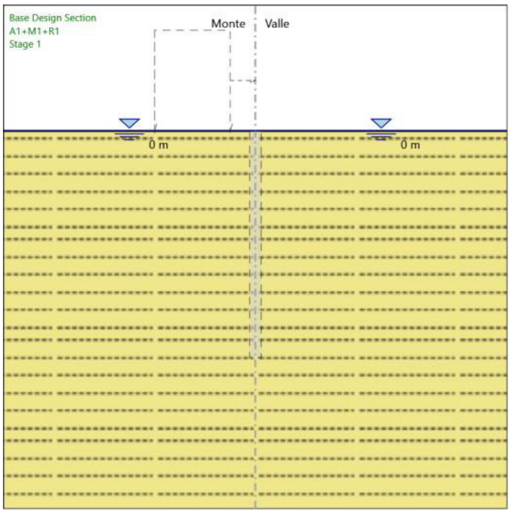



Base Design Section
A1+M1+R1
Stage 3
15 kPa
15 kPa
Monte
Valle
Momento (kN*m/m)
90
2E-11
0 m
Massimo
Valore: 1.9629E-11
Z : 0
-3 m
Minimo
Valore: -85.992
Z : -4

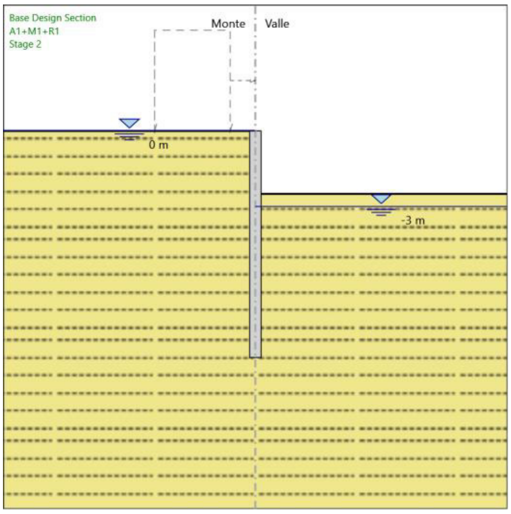

Base Design Section
A1+M1+R1
Stage 1
Monte
Valle
0 m
0 m


Base Design Section
A1+M1+R1
Stage 2
Monte
Valle
Taglio (kN/m)
50
30
0 m
Minimo
Valore: -48.279
Z : -2.6
-3 m
Massimo
Valore: 22.731
Z : -5.8

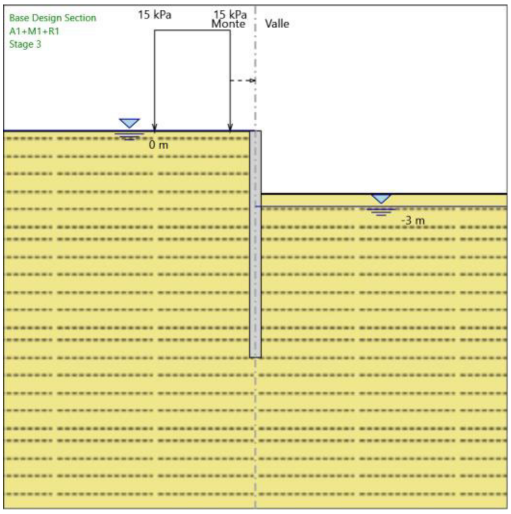

Base Design Section
A1+M1+R1
Stage 3
15 kPa
15 kPa
Monte
Valle
Taglio (kN/m)
60
30
0 m
Minimo
Valore: -50.565
Z : -2.6
-3 m
Massimo
Valore: 24.021
Z : -5.8



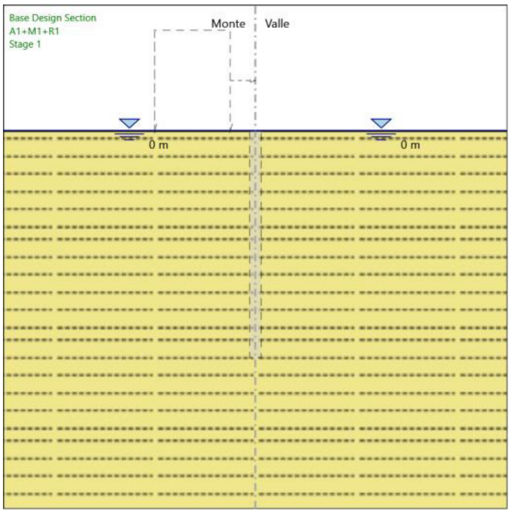
Base Design Section
A1+M1+R1
Stage 1
Monte
Valle
0 m
0 m



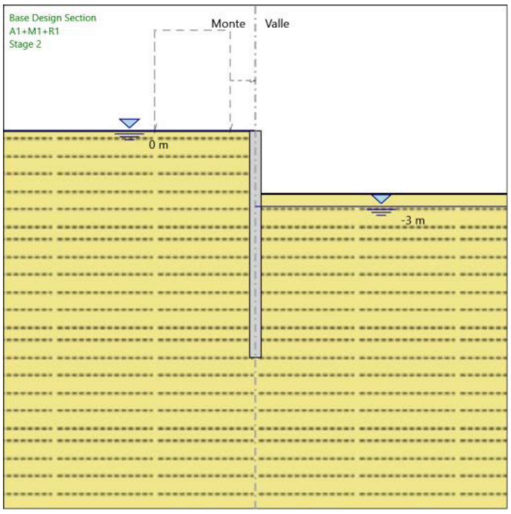
Base Design Section
A1+M1+R1
Stage 2
Monte
Valle
0 m
-3 m



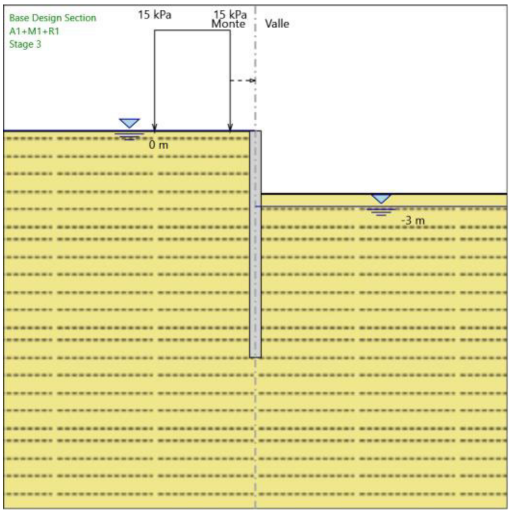
Base Design Section
A1+M1+R1
Stage 3
15 kPa
15 kPa
Monte
Valle
0 m
-3 m



Base Design Section
A1+M1+R1
Stage 1
Monte
Valle
0 m
0 m



Base Design Section
A1+M1+R1
Stage 2
Monte
Valle
0 m
-3 m


Base Design Section
A1+M1+R1
Stage 3
15 kPa
15 kPa
Monte
Valle
0 m
-3 m

6.3. Risultati A2+M2+R1

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

Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	0	0	0
Stage 1	-0.2	0	0
Stage 1	-0.4	0	0
Stage 1	-0.6	0	0
Stage 1	-0.8	0	0
Stage 1	-1	0	0
Stage 1	-1.2	0	0
Stage 1	-1.4	0	0
Stage 1	-1.6	0	0
Stage 1	-1.8	0	0
Stage 1	-2	0	0
Stage 1	-2.2	0	0
Stage 1	-2.4	0	0
Stage 1	-2.6	0	0
Stage 1	-2.8	0	0
Stage 1	-3	0	0
Stage 1	-3.2	0	0
Stage 1	-3.4	0	0
Stage 1	-3.6	0	0
Stage 1	-3.8	0	0
Stage 1	-4	0	0
Stage 1	-4.2	0	0
Stage 1	-4.4	0	0
Stage 1	-4.6	0	0
Stage 1	-4.8	0	0
Stage 1	-5	0	0
Stage 1	-5.2	0	0
Stage 1	-5.4	0	0
Stage 1	-5.6	0	0
Stage 1	-5.8	0	0
Stage 1	-6	0	0
Stage 1	-6.2	0	0
Stage 1	-6.4	0	0
Stage 1	-6.6	0	0
Stage 1	-6.8	0	0
Stage 1	-7	0	0
Stage 1	-7.2	0	0
Stage 1	-7.4	0	0
Stage 1	-7.6	0	0
Stage 1	-7.8	0	0
Stage 1	-8	0	0
Stage 1	-8.2	0	0
Stage 1	-8.4	0	0
Stage 1	-8.6	0	0
Stage 1	-8.8	0	0
Stage 1	-9	0	0

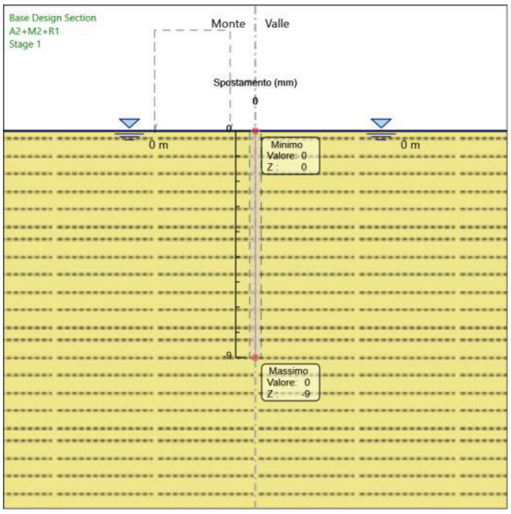
6.3.2. Tabella Risultati Paratia A2+M2+R1 - Left Wall - Stage: Stage 2

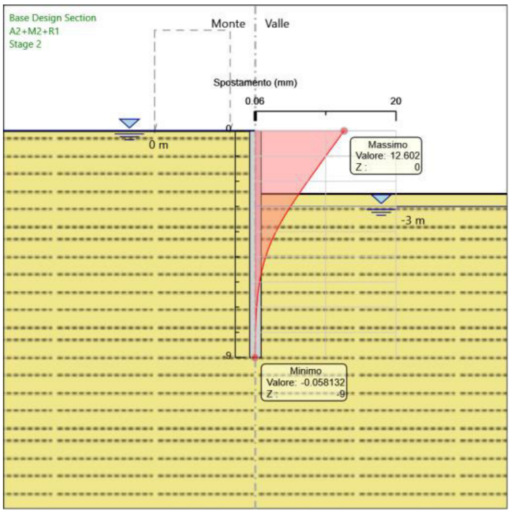
Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 2	0	0	0
Stage 2	-0.2	0	0
Stage 2	-0.2	0	0
Stage 2	-0.4	-0.09	-0.47
Stage 2	-0.6	-0.37	-1.4
Stage 2	-0.8	-0.93	-2.79
Stage 2	-1	-1.86	-4.66
Stage 2	-1.2	-3.26	-6.98
Stage 2	-1.4	-5.22	-9.78
Stage 2	-1.6	-7.82	-13.04
Stage 2	-1.8	-11.18	-16.76
Stage 2	-2	-15.37	-20.95
Stage 2	-2.2	-20.49	-25.61
Stage 2	-2.4	-26.63	-30.73
Stage 2	-2.6	-33.9	-36.32
Stage 2	-2.8	-42.04	-40.73
Stage 2	-3	-50.51	-42.31
Stage 2	-3.2	-58.72	-41.06
Stage 2	-3.4	-66.44	-38.59
Stage 2	-3.6	-73.42	-34.9
Stage 2	-3.8	-79.41	-29.97
Stage 2	-4	-84.17	-23.82
Stage 2	-4.2	-87.46	-16.44
Stage 2	-4.4	-89.03	-7.83
Stage 2	-4.6	-88.88	0.74
Stage 2	-4.8	-87.31	7.84
Stage 2	-5	-84.59	13.62
Stage 2	-5.2	-80.94	18.22
Stage 2	-5.4	-76.59	21.78
Stage 2	-5.6	-71.7	24.43
Stage 2	-5.8	-66.44	26.29
Stage 2	-6	-60.95	27.48
Stage 2	-6.2	-55.33	28.11
Stage 2	-6.4	-49.67	28.28
Stage 2	-6.6	-44.06	28.07
Stage 2	-6.8	-38.54	27.58
Stage 2	-7	-33.17	26.87
Stage 2	-7.2	-27.97	26
Stage 2	-7.4	-22.96	25.03
Stage 2	-7.6	-18.2	23.81
Stage 2	-7.8	-13.76	22.19
Stage 2	-8	-9.79	19.88
Stage 2	-8.2	-6.41	16.9
Stage 2	-8.4	-3.69	13.61
Stage 2	-8.6	-1.68	10.05
Stage 2	-8.8	-0.43	6.23
Stage 2	-9	0	2.16

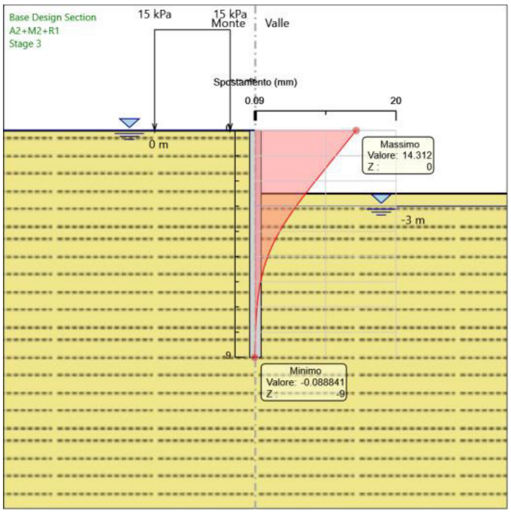
6.3.3. Tabella Risultati Paratia A2+M2+R1 - Left Wall - Stage: Stage 3

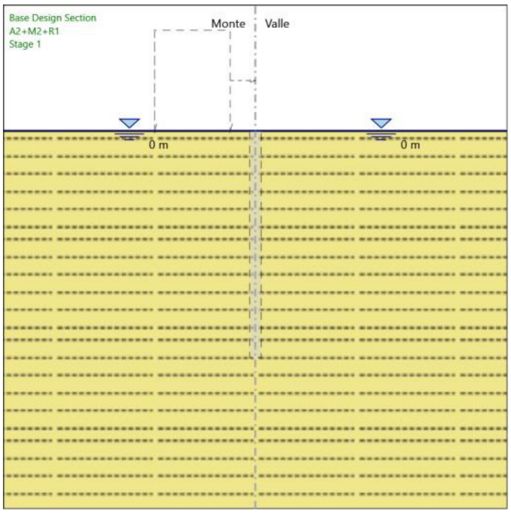
Design Assumption: A2+M2+R1	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3	0	0	0
Stage 3	-0.2	0	0
Stage 3	-0.2	0	0
Stage 3	-0.4	-0.09	-0.47
Stage 3	-0.6	-0.38	-1.41
Stage 3	-0.8	-0.94	-2.84
Stage 3	-1	-1.89	-4.76
Stage 3	-1.2	-3.33	-7.17
Stage 3	-1.4	-5.35	-10.08
Stage 3	-1.6	-8.05	-13.5
Stage 3	-1.8	-11.53	-17.43
Stage 3	-2	-15.91	-21.87
Stage 3	-2.2	-21.27	-26.82
Stage 3	-2.4	-27.72	-32.26
Stage 3	-2.6	-35.36	-38.19
Stage 3	-2.8	-43.95	-42.96
Stage 3	-3	-52.94	-44.93
Stage 3	-3.2	-61.75	-44.09
Stage 3	-3.4	-70.16	-42.04
Stage 3	-3.6	-77.92	-38.77
Stage 3	-3.8	-84.77	-34.29
Stage 3	-4	-90.49	-28.6
Stage 3	-4.2	-94.83	-21.68
Stage 3	-4.4	-97.54	-13.53
Stage 3	-4.6	-98.36	-4.13
Stage 3	-4.8	-97.43	4.65
Stage 3	-5	-95.06	11.88
Stage 3	-5.2	-91.51	17.72
Stage 3	-5.4	-87.05	22.31
Stage 3	-5.6	-81.89	25.82
Stage 3	-5.8	-76.21	28.37
Stage 3	-6	-70.19	30.11
Stage 3	-6.2	-63.96	31.15
Stage 3	-6.4	-57.64	31.62
Stage 3	-6.6	-51.31	31.61
Stage 3	-6.8	-45.07	31.21
Stage 3	-7	-38.97	30.52
Stage 3	-7.2	-33.05	29.6
Stage 3	-7.4	-27.34	28.53
Stage 3	-7.6	-21.87	27.34
Stage 3	-7.8	-16.67	26.01
Stage 3	-8	-11.94	23.67
Stage 3	-8.2	-7.86	20.36
Stage 3	-8.4	-4.55	16.56
Stage 3	-8.6	-2.08	12.34
Stage 3	-8.8	-0.54	7.72
Stage 3	-9	0	2.7

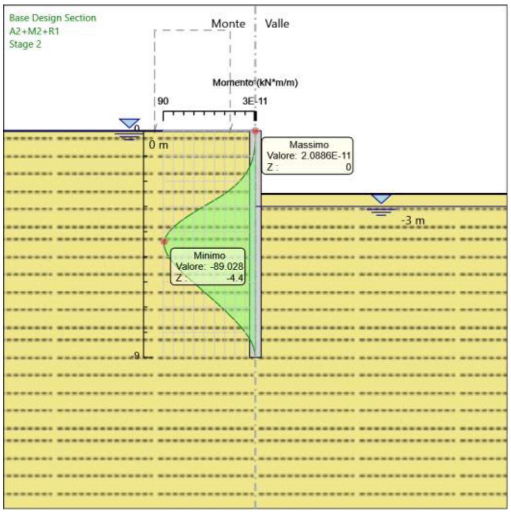
6.3.4. Tabella Grafici dei Risultati

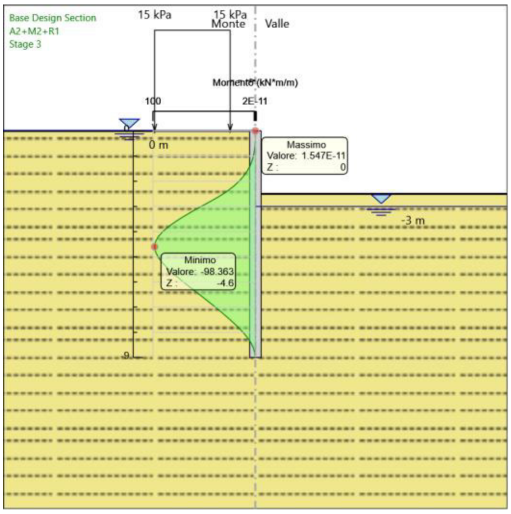


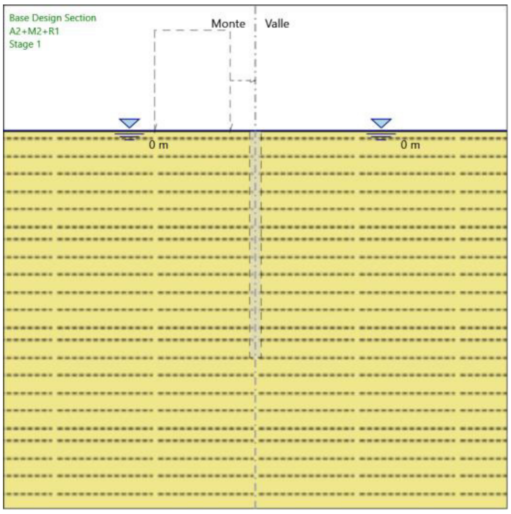


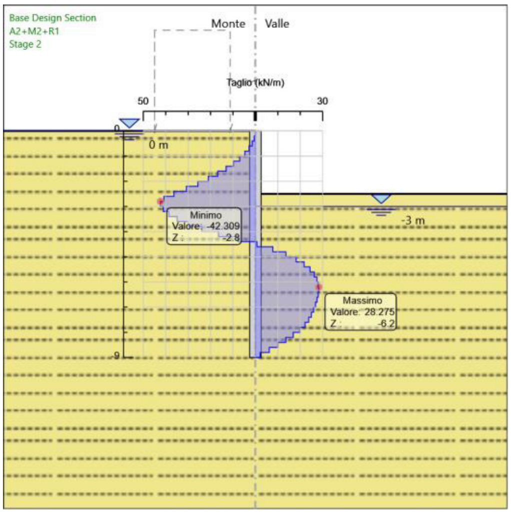


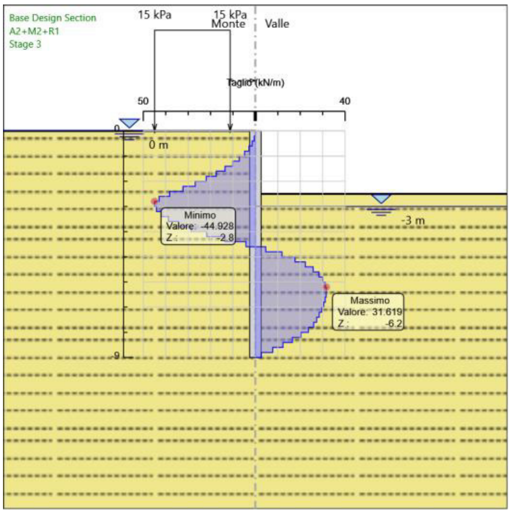


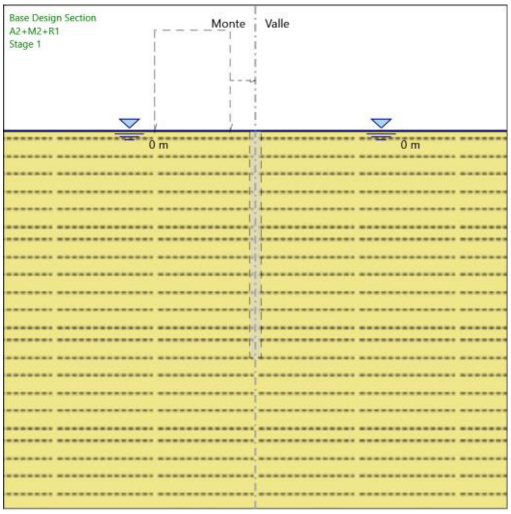


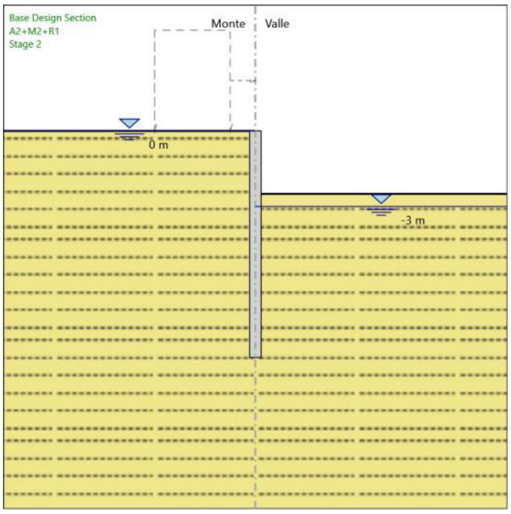

Base Design Section
A2+M2+R1
Stage 3
15 kPa
15 kPa
Monte
Valle
Momento (kN*m/m)
100
2E-11
0 m
Massimo
Valore: 1.547E-11
Z : 0
-3 m
Minimo
Valore: -98.363
Z : -4.6
-9

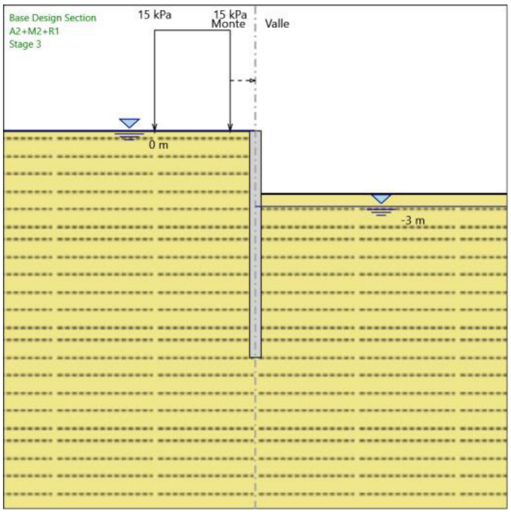

Base Design Section
A2+M2+R1
Stage 1
Monte
Valle
0 m
0 m

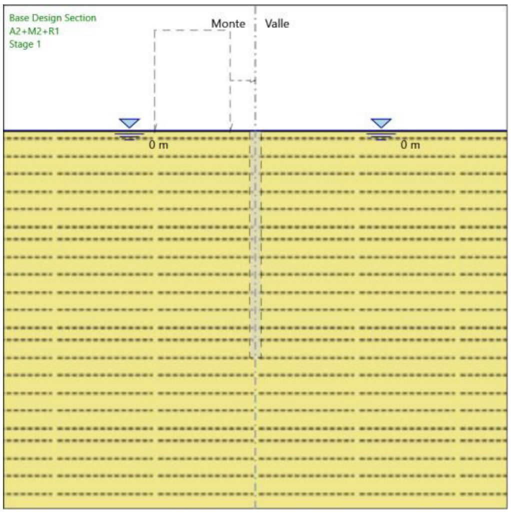

Base Design Section
A2+M2+R1
Stage 2
Monte
Valle
Taglio (kN/m)
50
30
0 m
-3 m
Minimo
Valore: -42.309
Z : -2.8
Massimo
Valore: 28.275
Z : -6.2
-9

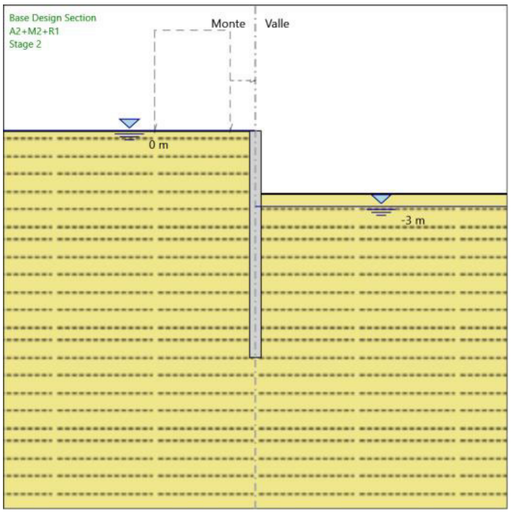

Base Design Section
A2+M2+R1
Stage 3
15 kPa
15 kPa
Monte
Valle
Taglio (kN/m)
50
40
0 m
-3 m
Minimo
Valore: -44.928
Z : -2.8
Massimo
Valore: 31.619
Z : -6.2
-9

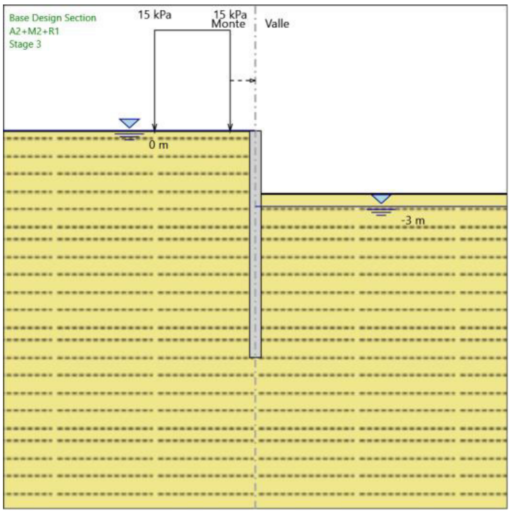

Base Design Section
A2+M2+R1
Stage 1
Monte
Valle
0 m
0 m


Base Design Section
A2+M2+R1
Stage 2
Monte
Valle
0 m
-3 m


Base Design Section
A2+M2+R1
Stage 3
15 kPa
15 kPa
Monte
Valle
0 m
-3 m


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


Base Design Section
A2+M2+R1
Stage 2
Monte
Valle
0 m
-3 m



Base Design Section
A2+M2+R1
Stage 3
15 kPa
15 kPa
Monte
Valle
0 m
-3 m

7. Normative adottate per le verifiche degli Elementi Strutturali

Normative Verifiche	
Calcestruzzo	NTC
Acciaio	NTC
Tirante	NTC

Coefficienti per Verifica Tiranti	
GEO FS	1
$\xi a3$	1.8
γs	1.15

7.1. Riepilogo Stage / Design Assumption per Inviluppo

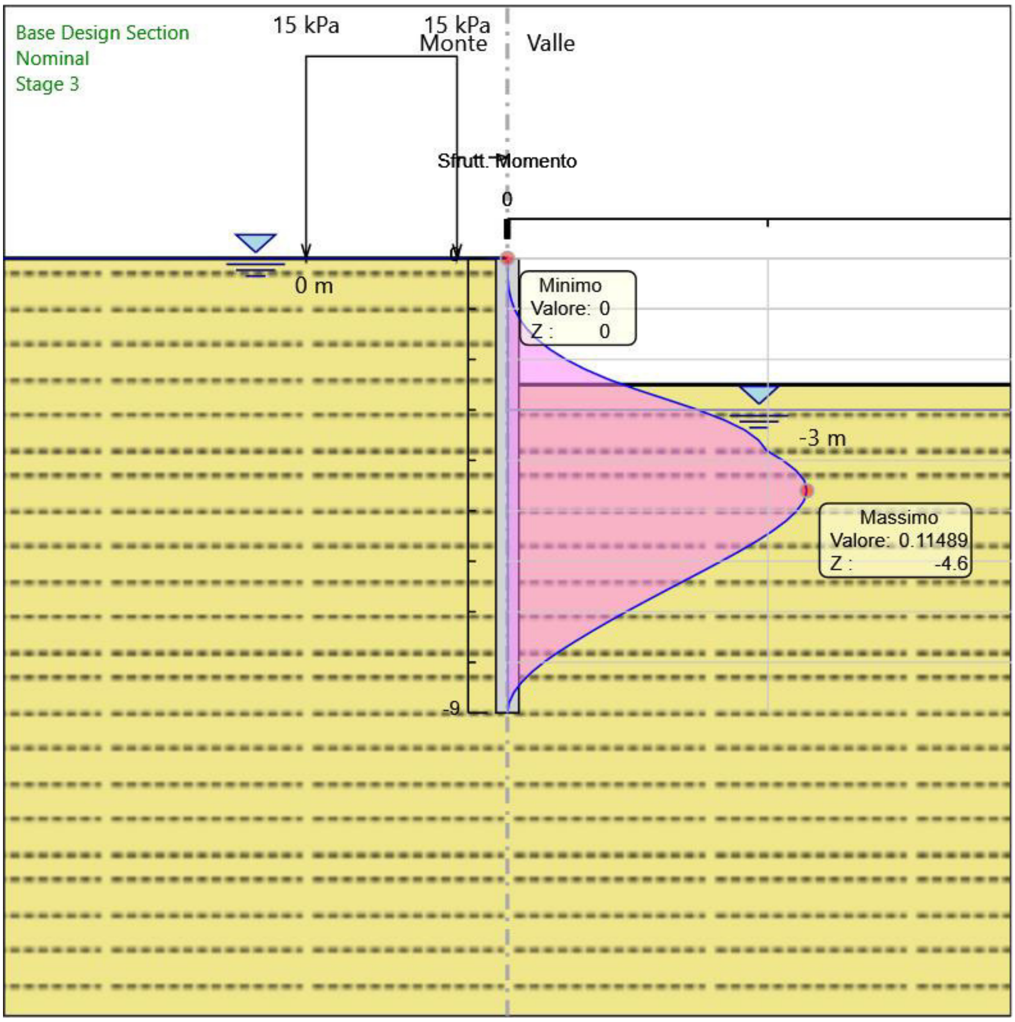
Design Assumption	Stage 1	Stage 2	Stage 3
SLE (Rara)	V	V	V
A1+M1+R1	V	V	V
A2+M2+R1	V	V	V

7.2. Risultati SteelWorld

7.2.1. Tabella Inviluppi Tasso di Sfruttamento a Momento - SteelWorld : LEFT

Inviluppi Tasso di Sfruttamento a Momento - SteelWorld	LEFT
Z (m)	Tasso di Sfruttamento a Momento - SteelWorld
0	0
-0.2	0
-0.4	0
-0.6	0.001
-0.8	0.001
-1	0.003
-1.2	0.005
-1.4	0.008
-1.6	0.011
-1.8	0.016
-2	0.022
-2.2	0.03
-2.4	0.039
-2.6	0.05
-2.8	0.062
-3	0.073
-3.2	0.083
-3.4	0.091
-3.6	0.096
-3.8	0.099
-4	0.106
-4.2	0.111
-4.4	0.114
-4.6	0.115
-4.8	0.114
-5	0.111
-5.2	0.107
-5.4	0.102
-5.6	0.096
-5.8	0.089
-6	0.082
-6.2	0.075
-6.4	0.067
-6.6	0.06
-6.8	0.053
-7	0.046
-7.2	0.039
-7.4	0.032
-7.6	0.026
-7.8	0.019
-8	0.014
-8.2	0.009
-8.4	0.005
-8.6	0.002
-8.8	0.001
-9	0

7.2.2. Grafico Inviluppi Tasso di Sfruttamento a Momento - SteelWorld

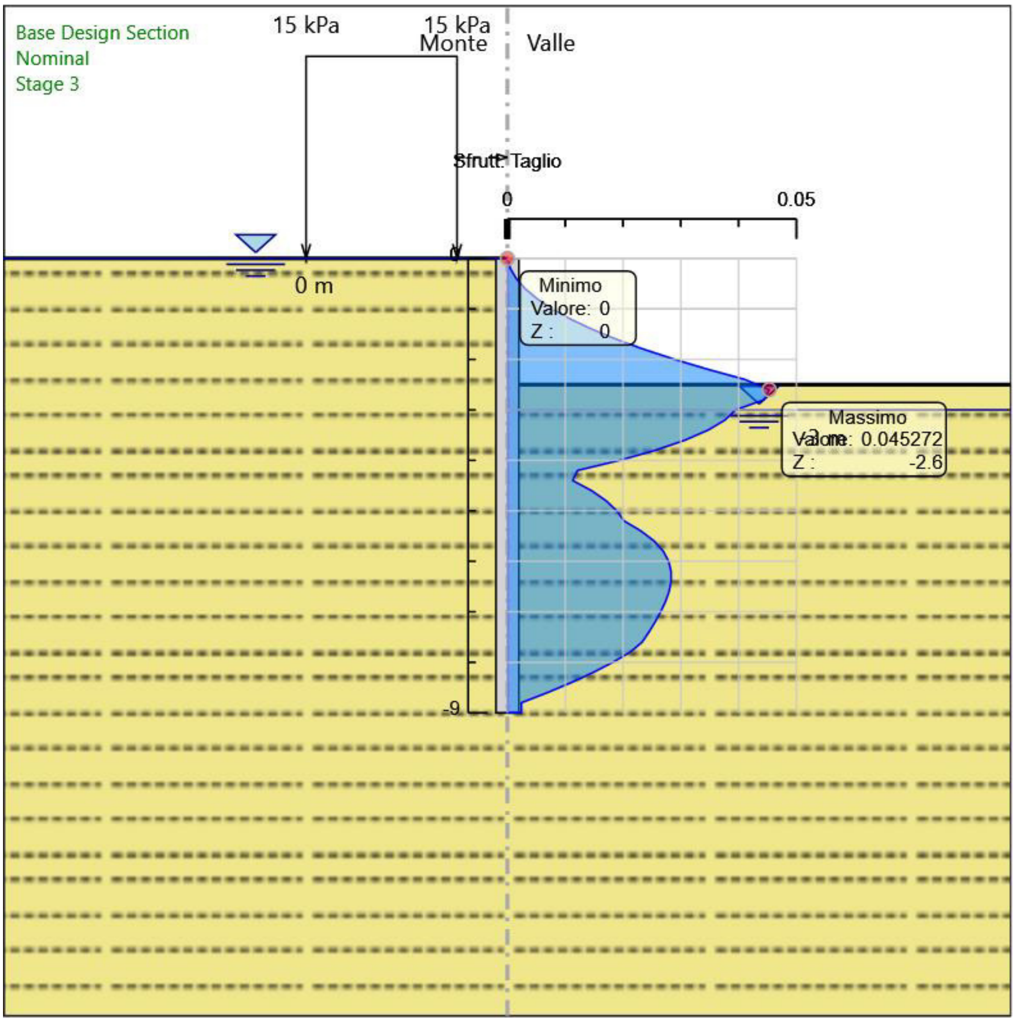


Inviluppi
Tasso di Sfruttamento a Momento - SteelWorld

7.2.1. Tabella Inviluppi Tasso di Sfruttamento a Taglio - SteelWorld : LEFT

Inviluppi Tasso di Sfruttamento a Taglio - SteelWorld	LEFT
Z (m)	Tasso di Sfruttamento a Taglio - SteelWorld
0	0
-0.2	0.001
-0.4	0.002
-0.6	0.003
-0.8	0.005
-1	0.008
-1.2	0.011
-1.4	0.015
-1.6	0.019
-1.8	0.024
-2	0.029
-2.2	0.035
-2.4	0.041
-2.6	0.045
-2.8	0.044
-3	0.039
-3.2	0.038
-3.4	0.035
-3.6	0.031
-3.8	0.026
-4	0.019
-4.2	0.012
-4.4	0.011
-4.6	0.015
-4.8	0.017
-5	0.019
-5.2	0.02
-5.4	0.023
-5.6	0.025
-5.8	0.027
-6	0.028
-6.2	0.028
-6.4	0.028
-6.6	0.028
-6.8	0.027
-7	0.027
-7.2	0.026
-7.4	0.024
-7.6	0.023
-7.8	0.021
-8	0.018
-8.2	0.015
-8.4	0.011
-8.6	0.007
-8.8	0.002
-9	0.002

7.2.2. Grafico Inviluppi Tasso di Sfruttamento a Taglio - SteelWorld



Inviluppi
Tasso di Sfruttamento a Taglio - SteelWorld

Report di Calcolo

Nome Progetto: Paratia di pali H=15m

Autore:

Jobname:

Data: 08/12/2018 18:32:12

Design Section: Base Design Section

Sommario
Contenuto Sommario

1. Descrizione del Software

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

2. Descrizione della Stratigrafia e degli Strati di Terreno

Tipo : HORIZONTAL

Quota : 0 m

OCR : 1

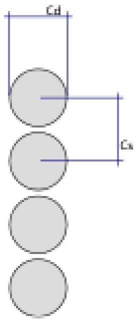
Strato di Terreno	Terreno	γ dry kN/m³	γ sat kN/m³	ø' °	øcv °	øp °	c' kPa	Su kPa	Modulo Elastico	Eu	Evc kPa	Eur kPa	Ah	Av	exp	Pa kPa	Rur/Rvc	Rvc kPa	Ku kN/m³	Kvc kN/m³	Kur kN/m³
1	SABBIE e GHIAIE	19	19	36			0		Constant		80000	240000									

3. Descrizione Pareti

X : 0 m
Quota in alto : 0 m
Quota di fondo : -15 m
Muro di sinistra

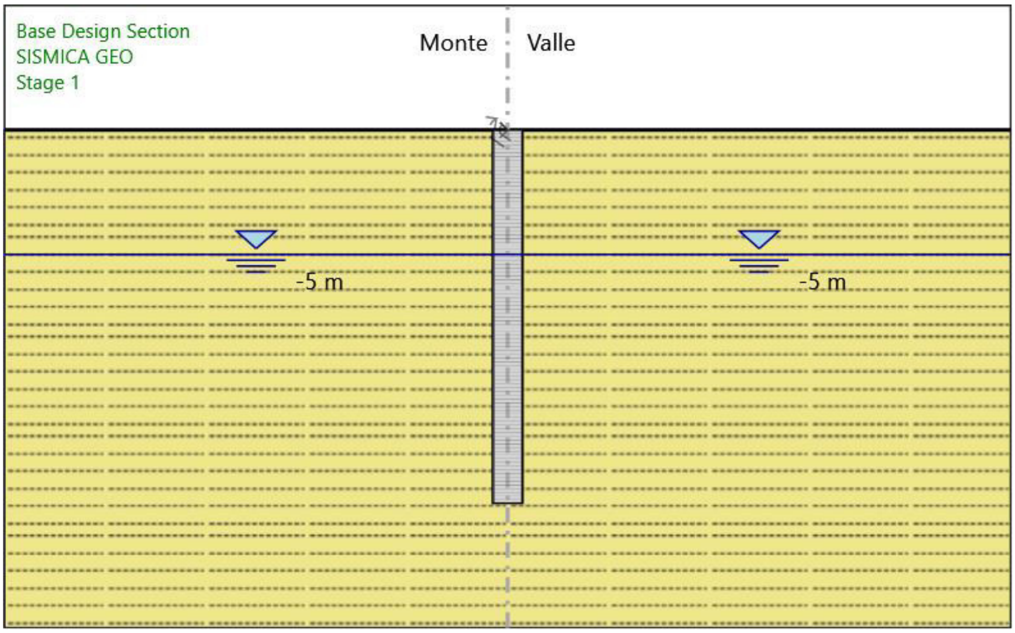
Armatura Lunghezza segmenti : 1 m
Rinforzo longitudinale 1
Lunghezza : 15 m
Materiale :
Quota iniziale : 0 m
Barre 1
Numero di barre : 40
Diametro : 0.03 m
Distanza dal bordo : 0.06 m
Staffe 1
Numero di staffe : 2
Copertura : 0.03 m
Diametro : 0.012 m
Lunghezza : 15 m
Quota iniziale : 0 m
Passo : 0.15 m

Sezione : Pali fi1200
Area equivalente : 0.86997950407102 m
Inerzia equivalente : 0.0783 m^4/m
Materiale calcestruzzo : C25/30
Tipo sezione : Tangent
Spaziatura : 1.3 m
Diametro : 1.2 m
Efficacia : 1


Cd
Cs

4. *Fasi di Calcolo*

4.1. Stage 1



Stage 1

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : 0 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

0 m

Falda acquifera

Falda di sinistra : -5 m

Falda di destra : -5 m

Elementi strutturali

Paratia : WallElement

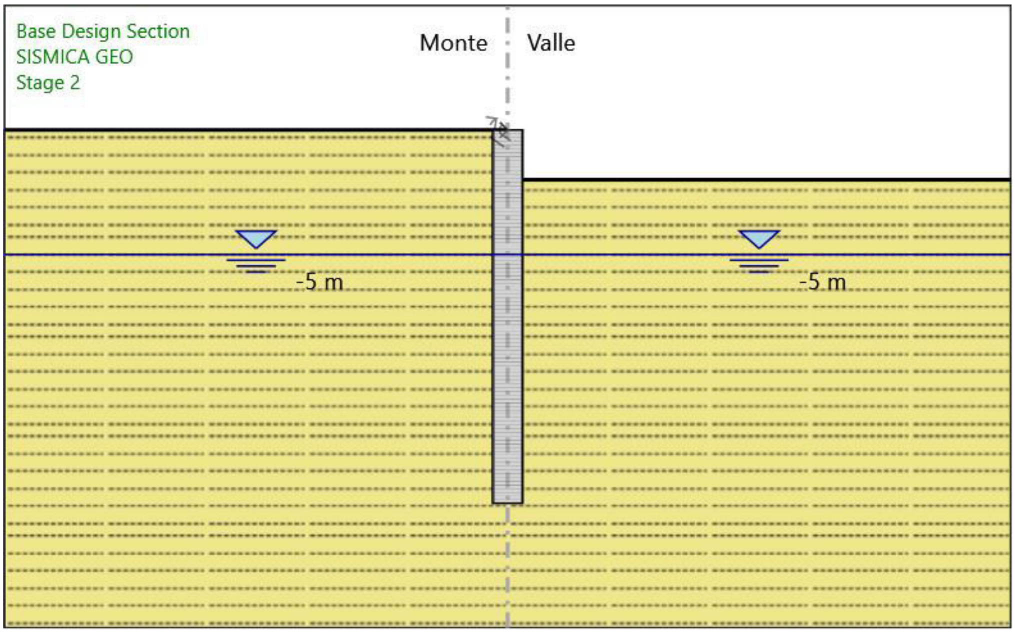
X : 0 m

Quota in alto : 0 m

Quota di fondo : -15 m

Sezione : Pali fi1200

4.2. Stage 2



Stage 2

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : -2 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

-2 m

Falda acquifera

Falda di sinistra : -5 m

Falda di destra : -5 m

Elementi strutturali

Paratia : WallElement

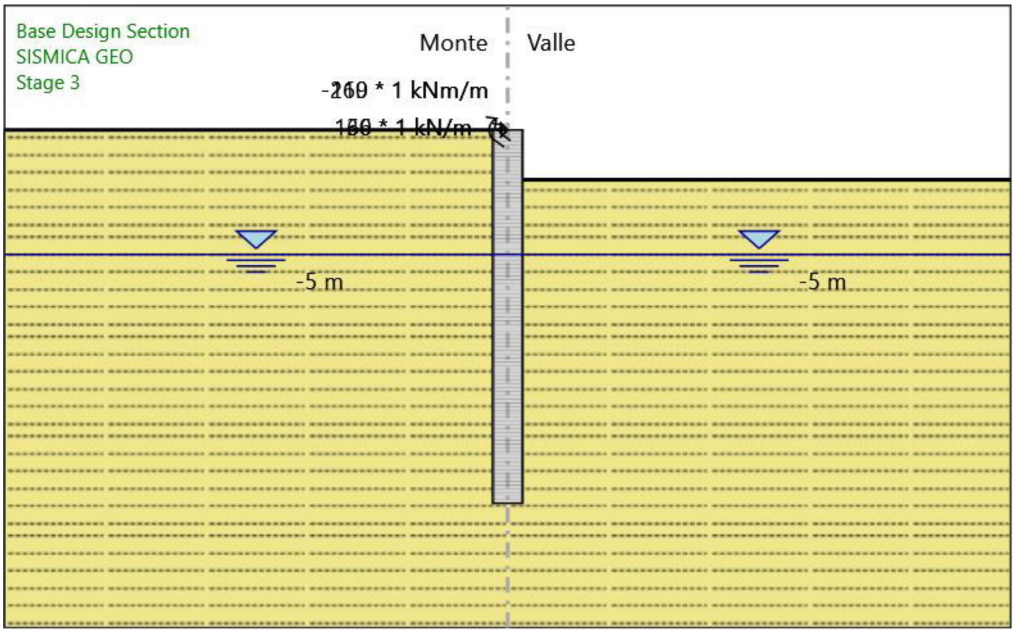
X : 0 m

Quota in alto : 0 m

Quota di fondo : -15 m

Sezione : Pali fi1200

4.3. Stage 3



Stage 3

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : -2 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

-2 m

Falda acquifera

Falda di sinistra : -5 m

Falda di destra : -5 m

Carichi

Carico puntuale alla paratia : carico permanente

Quota : 0 m

Px : 136 kN/m

Pz : 1 kN/m

: -169 kNm/m

X : 0 m

Carico puntuale alla paratia : accidentale

Quota : 0 m

Px : 60 kN/m

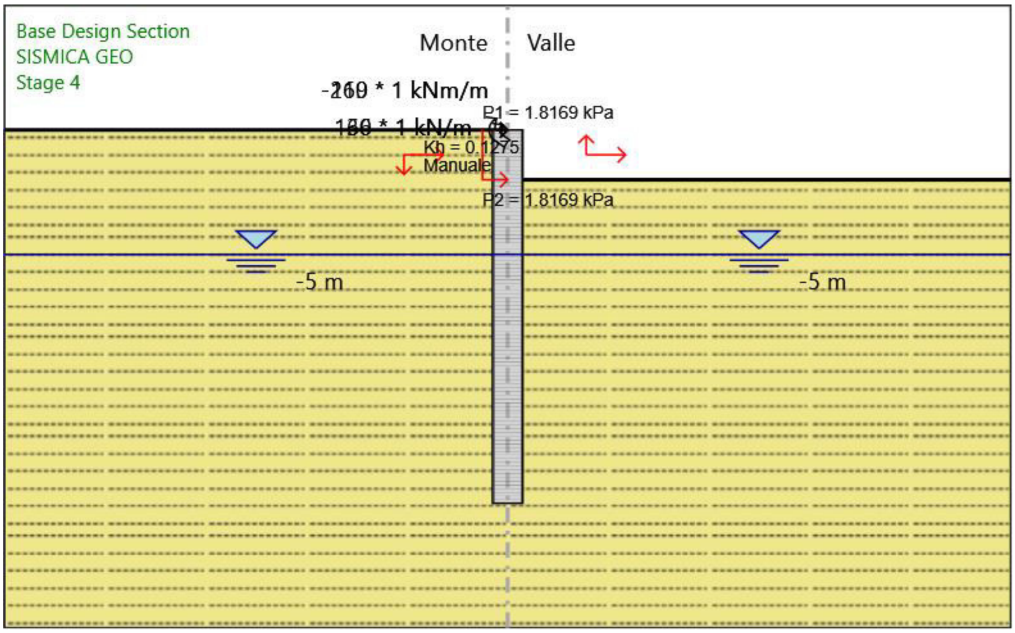
Pz : 1 kN/m
 : -210 kNm/m
X : 0 m

Elementi strutturali

Paratia : WallElement

X : 0 m
Quota in alto : 0 m
Quota di fondo : -15 m
Sezione : Pali fi1200

4.4. Stage 4



Stage 4

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : -2 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

-2 m

Falda acquifera

Falda di sinistra : -5 m

Falda di destra : -5 m

Carichi

Carico puntuale alla paratia : carico permanente

Quota : 0 m

Px : 136 kN/m

Pz : 1 kN/m

: -169 kNm/m

X : 0 m

Carico puntuale alla paratia : accidentale

Quota : 0 m

Px : 60 kN/m

Pz : 1 kN/m
: -210 kNm/m
X : 0 m

Elementi strutturali

Paratia : WallElement

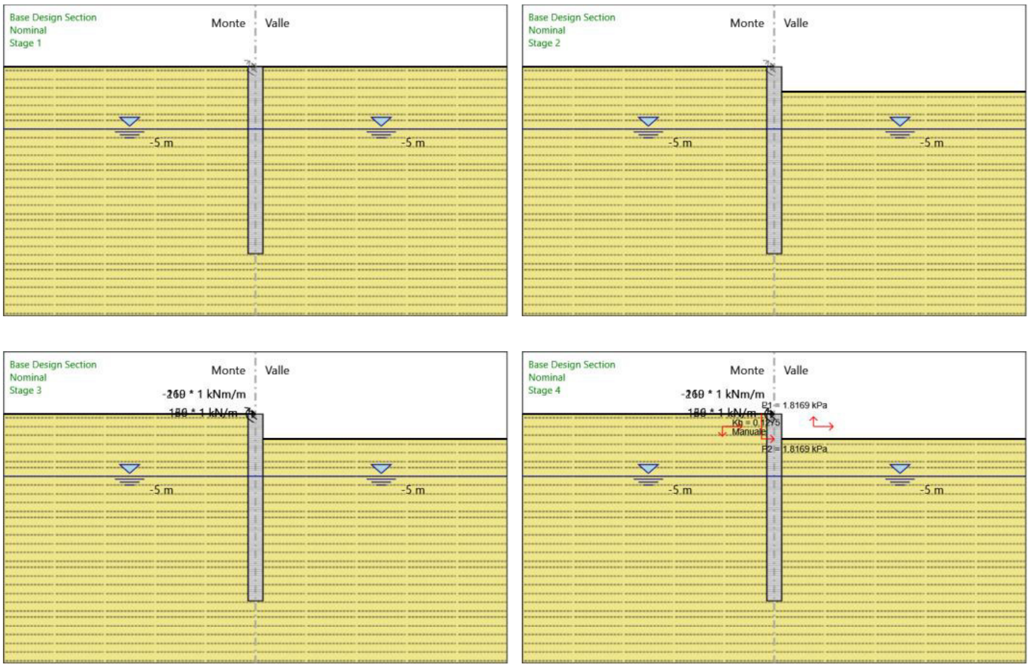
X : 0 m

Quota in alto : 0 m

Quota di fondo : -15 m

Sezione : Pali fi1200

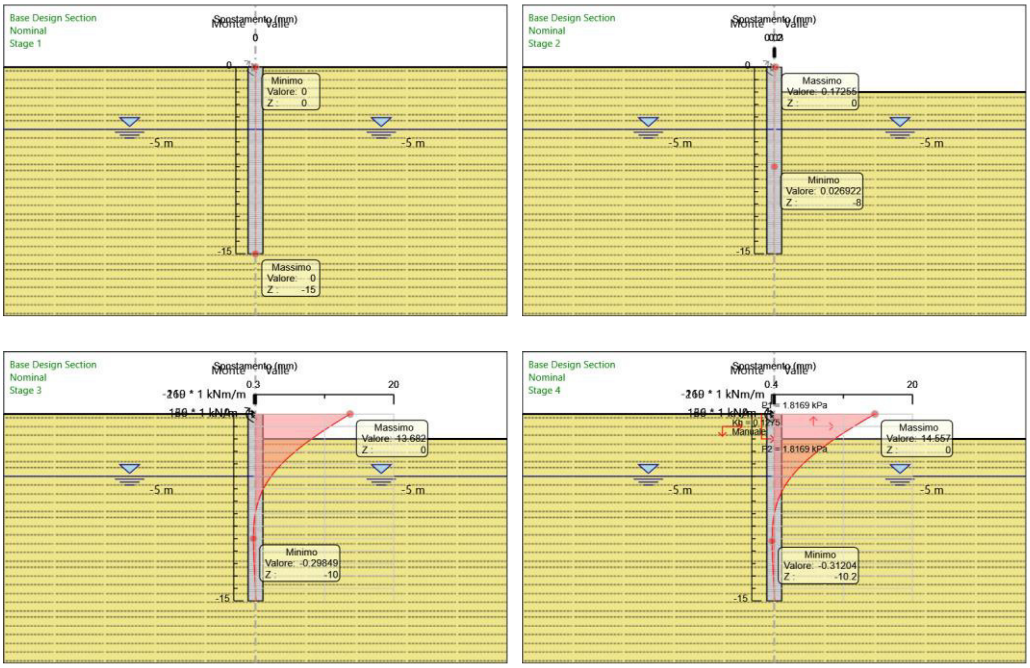
4.5. Tabella Configurazione Stage (Nominal)



5. Grafici dei Risultati

5.1. Design Assumption : Nominal

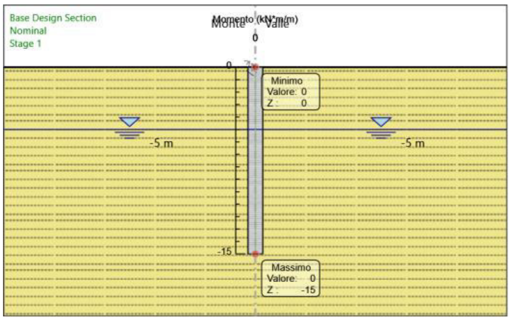
5.1.1. Grafici Spostamento in tabella

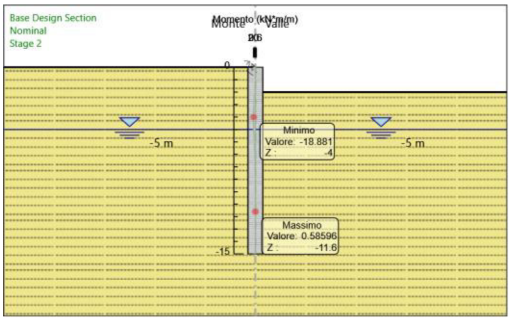


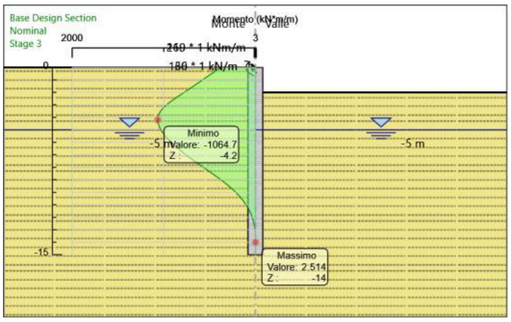
5.2. Inviluppi Spostamento Nominal

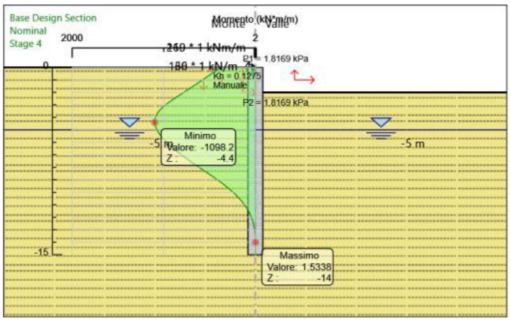
5.3. Risultati Paratia

5.3.1. Grafico Momento Nominal

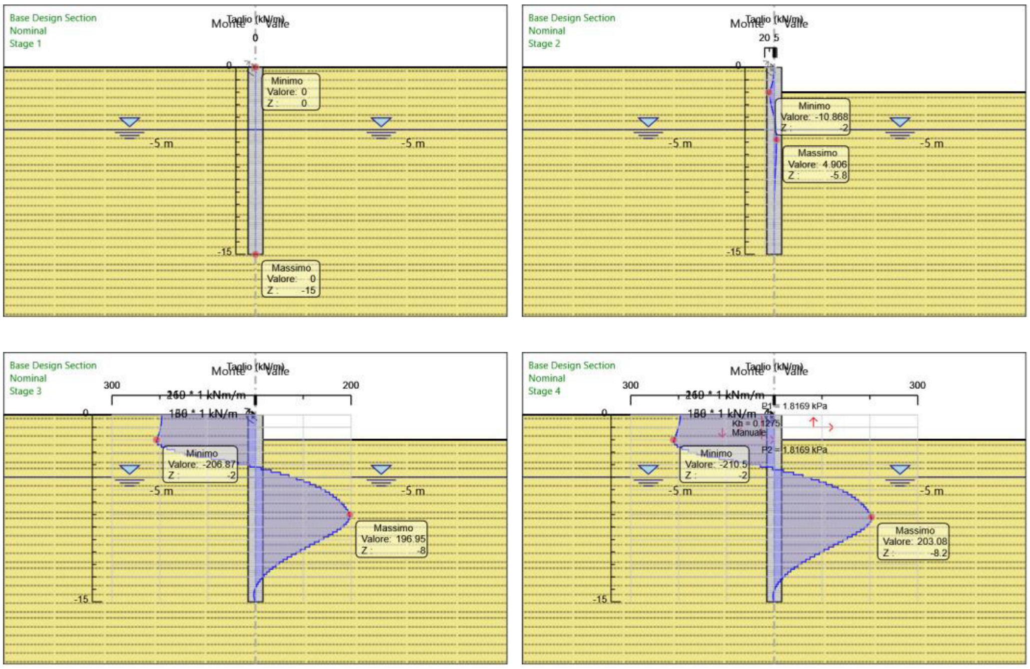




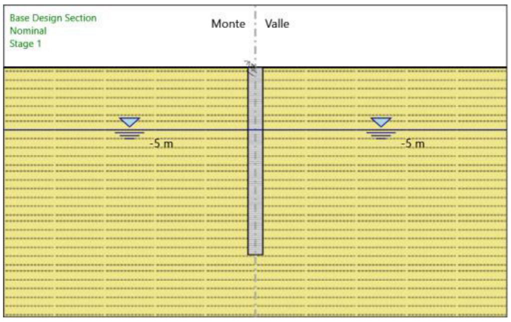


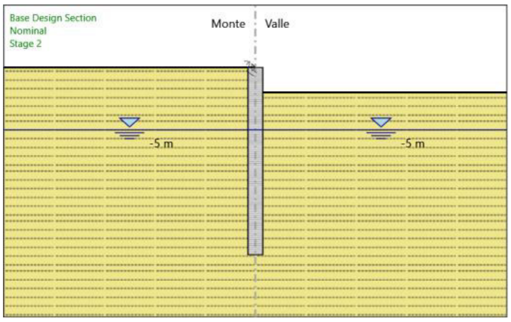


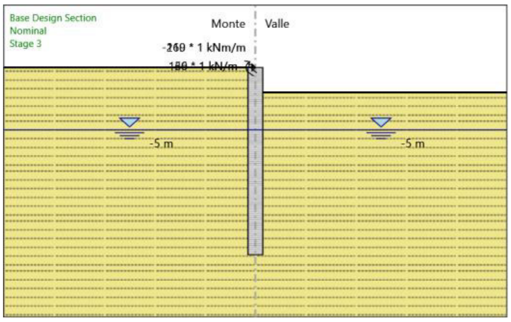
5.3.2. Grafico Taglio Nominal

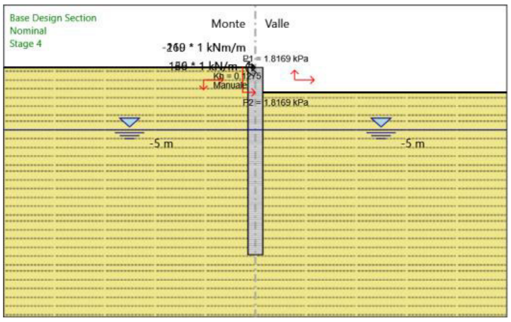


5.3.3. Grafico Momento Nominal

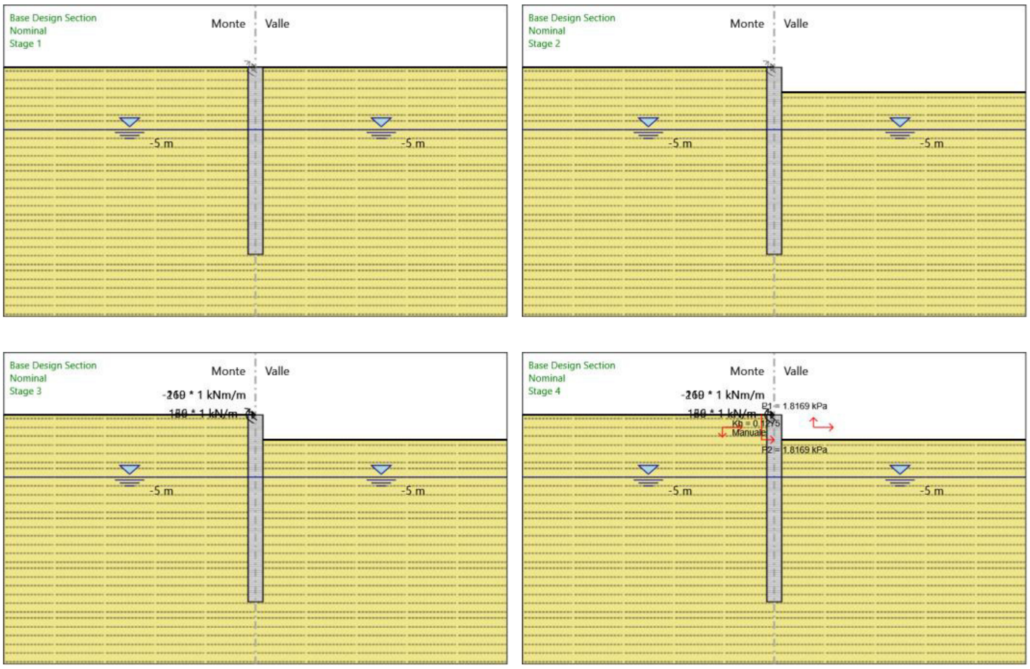








5.3.4. Grafico Taglio Nominal



5.4. Inviluppi Risultati Paratia Nominal

5.4. Riepilogo spinte

Design Assumption: Nominal	Tipo Risultato: Riepilogo spinte	Muro:	LEFT	Lato	LEFT		
Stage	Vera effettiva (kN/m)	Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)	Percentuale di resistenza massima	Vera / Attiva
Stage 1	671.4	500	1171.4	4.8	10298.2	6.52%	139.88
Stage 2	587.4	500	1087.4	4.8	10298.2	5.7%	122.38
Stage 3	634.1	500	1134.1	4.8	10298.2	6.16%	132.1
Stage 4	636.1	500	1136.1	4.8	9875.3	6.44%	132.52

Design Assumption: Nominal	Tipo Risultato: Riepilogo spinte	Muro:	LEFT	Lato	RIGHT		
Stage	Vera effettiva (kN/m)	Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)	Percentuale di resistenza massima	Vera / Attiva
Stage 1	671.4	500	1171.4	4.8	10298.2	6.52%	139.88
Stage 2	587.4	500	1087.4	3.8	6952.5	8.45%	154.58
Stage 3	830.1	500	1330.1	3.8	6952.5	11.94%	218.45
Stage 4	835.2	500	1335.2	3.8	5663.2	14.75%	219.79

6. Descrizione Coefficienti Design Assumption

Coefficienti A

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

Coefficienti M

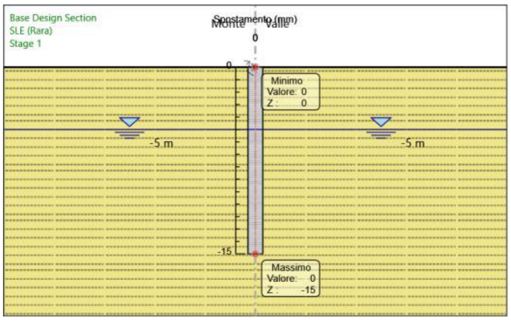
Nome	Parziale su tan(ø') (F_Fr)	Parziale su c' (F_eff_cohe)	Parziale su Su (F_Su)	Parziale su qu (F_qu)	Parziale su peso specifico (F_gamma)
Simbolo	γϕ	γc	γcu	γqu	γγ
Nominal	1	1	1	1	1
SLE (Rara)	1	1	1	1	1
A1+M1+R1	1	1	1	1	1
A2+M2+R1	1.25	1.25	1.4	1	1
SISMICA STR	1	1	1	1	1
SISMICA GEO	1.25	1.25	1.4	1	1

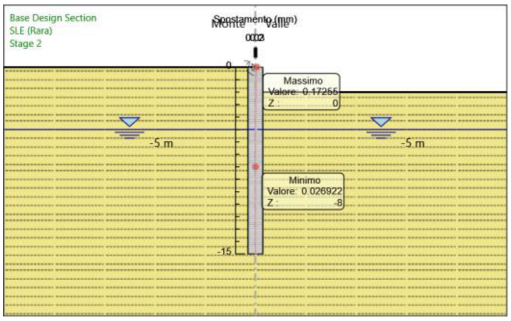
Coefficienti R

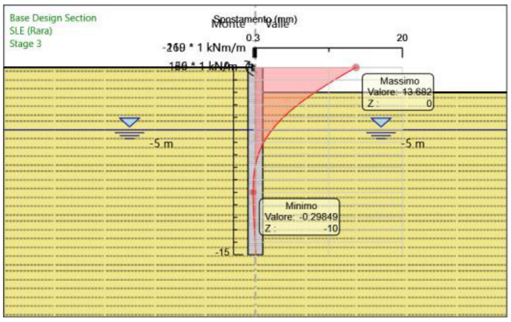
Nome	Parziale resistenza terreno (es. Kp) (F_Soil_Res_walls)	Parziale resistenza Tiranti permanenti (F_Anch_P)	Parziale resistenza Tiranti temporanei (F_Anch_T)	Parziale elementi strutturali (F_wall)
Simbolo	γRe	γap	γat	
Nominal	1	1	1	1
SLE (Rara)	1	1	1	1
A1+M1+R1	1	1.2	1.1	1
A2+M2+R1	1	1.2	1.1	1
SISMICA STR	1	1.2	1.1	1
SISMICA GEO	1	1.2	1.1	1

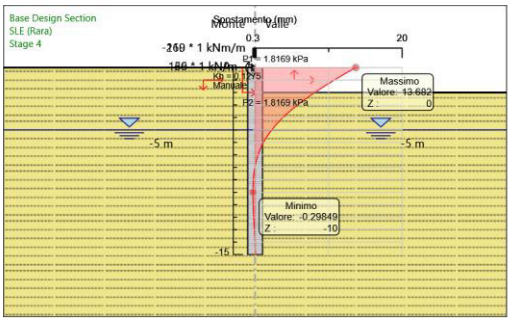
6.1. Risultati SLE (Rara)

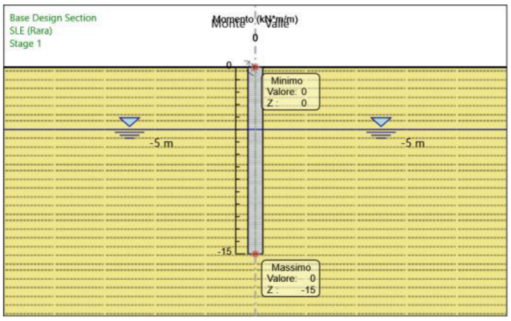
6.1.1. Tabella Grafici dei Risultati

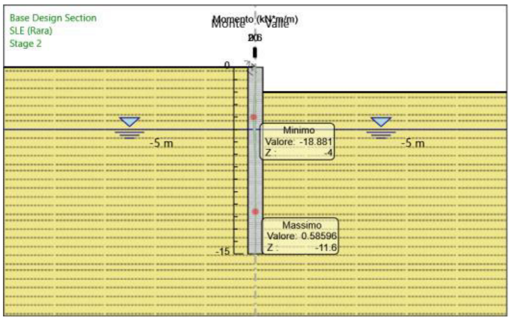


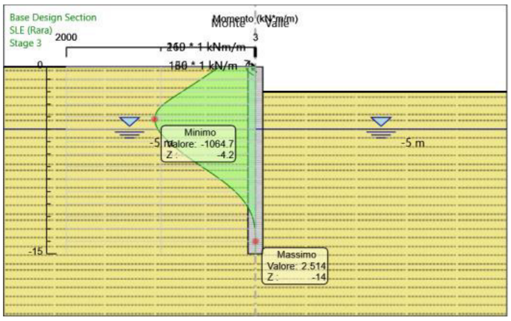


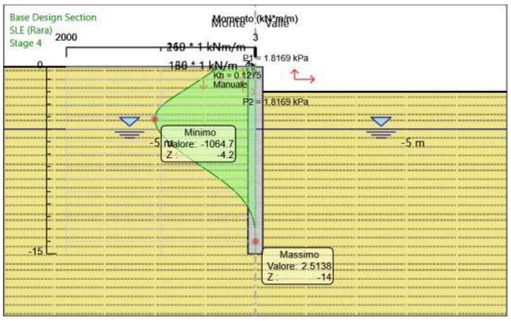


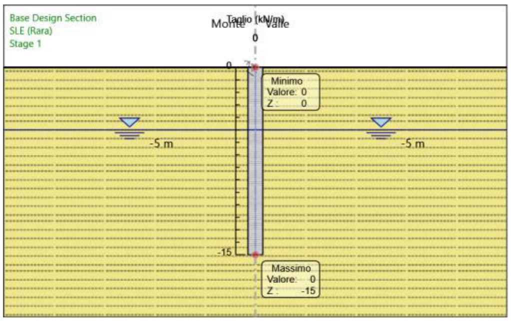


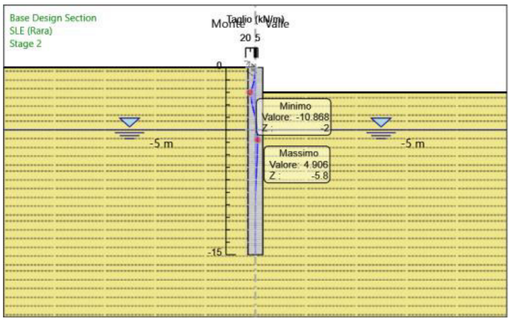


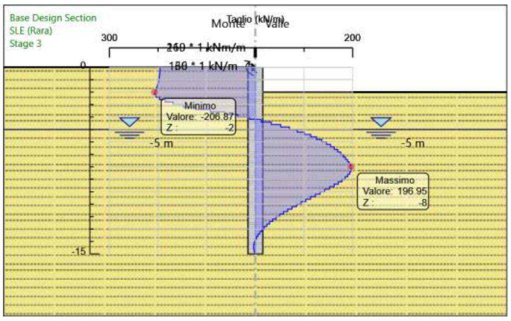


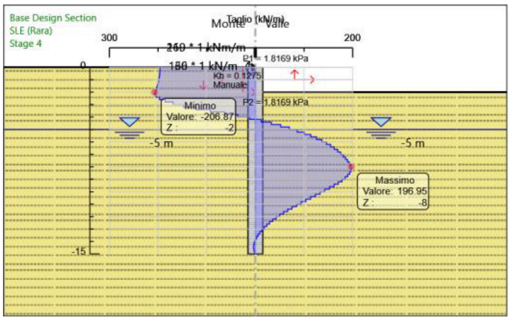


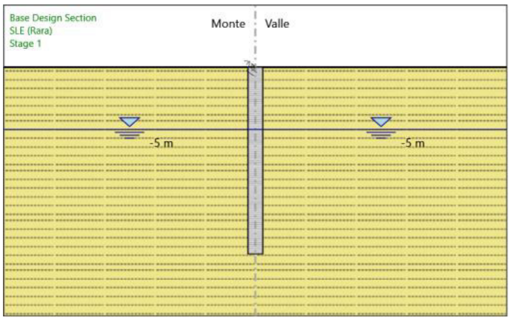


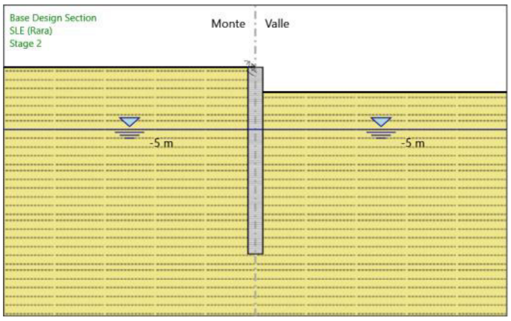


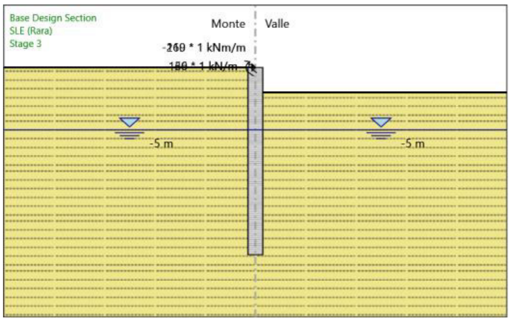


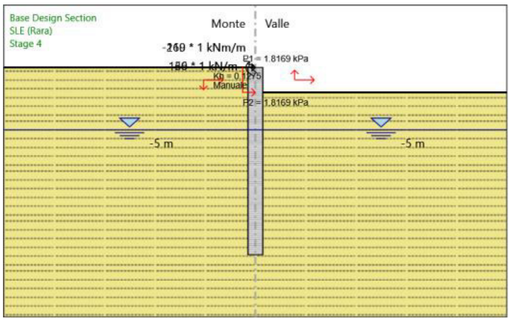

Base Design Section
SLE (Rara)
Stage 3
Taglio (kN/m)
300
200
Minimo
Valore: -206.87
Z: -2
Massimo
Valore: 196.95
Z: -8
-5 m
-5 m
-15

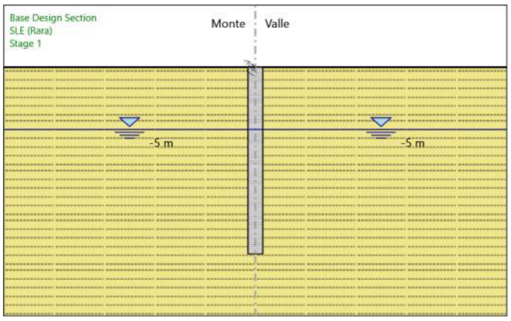

Base Design Section
SLE (Rara)
Stage 4
Taglio (kN/m)
300
200
P1 = 1.8169 kPa
Manuale
P2 = 1.8169 kPa
Minimo
Valore: -206.87
Z: -2
Massimo
Valore: 196.95
Z: -8
-5 m
-5 m
-15

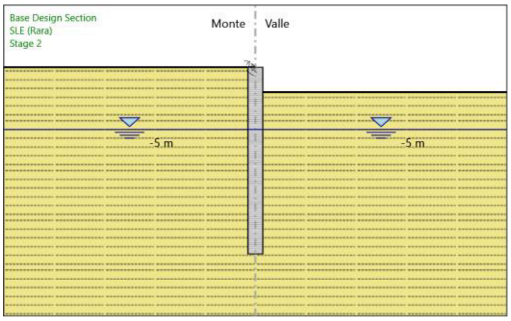

Base Design Section
SLE (Rara)
Stage 1
Monte
Valle
-5 m
-5 m

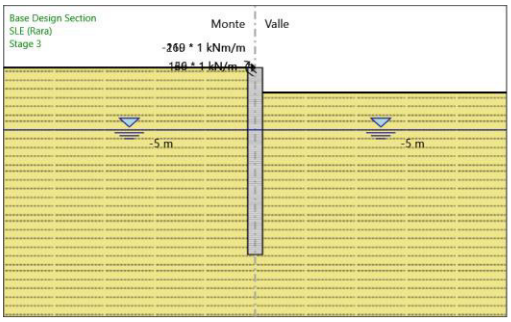

Base Design Section
SLE (Rara)
Stage 2
Monte
Valle
-5 m
-5 m

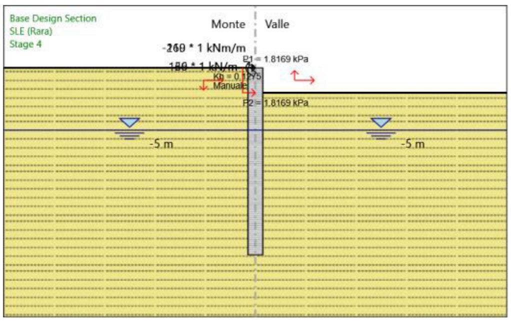

Base Design Section
SLE (Rara)
Stage 3
Monte
Valle
-5 m
-5 m


Base Design Section
SLE (Rara)
Stage 4
Monte
Valle
P1 = 1.8169 kPa
Manuale
P2 = 1.8169 kPa
-5 m
-5 m


Base Design Section
SLE (Rara)
Stage 1
Monte
Valle
-5 m
-5 m

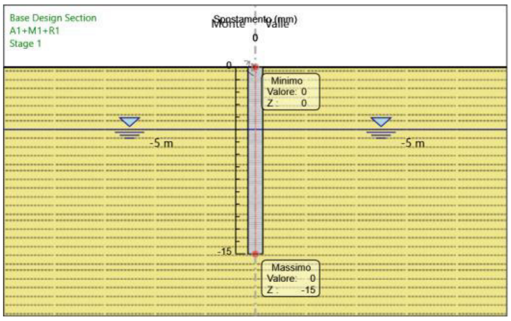

Base Design Section
SLE (Rara)
Stage 2
Monte
Valle
-5 m
-5 m

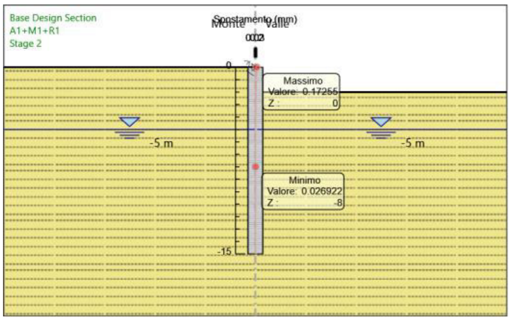

Base Design Section
SLE (Rara)
Stage 3
Monte
Valle
-5 m
-5 m

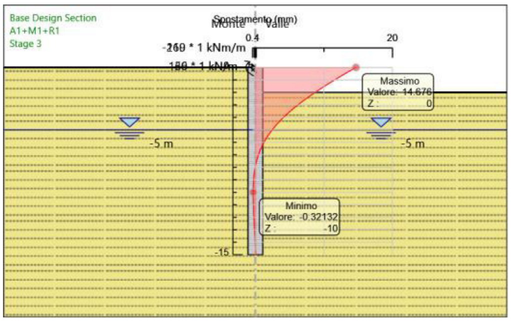

Base Design Section
SLE (Rara)
Stage 4
Monte
Valle
P1 = 1.8169 kPa
Manuale
P2 = 1.8169 kPa
-5 m
-5 m

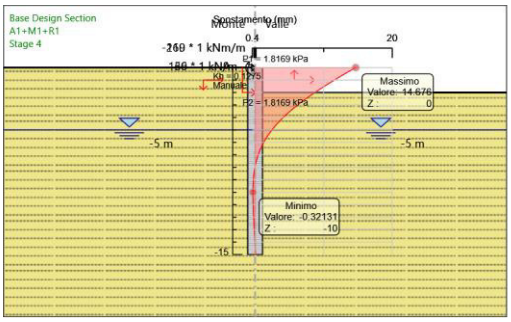
6.2. Risultati A1+M1+R1

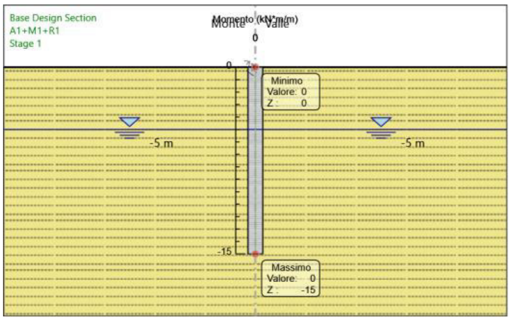
6.2.1. Tabella Grafici dei Risultati

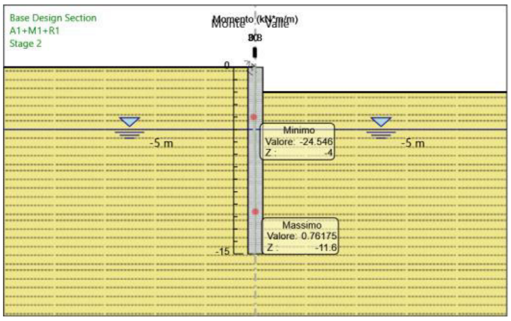


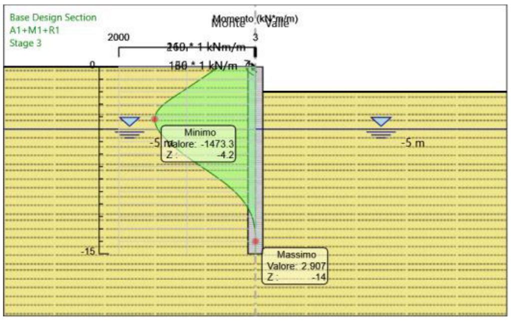


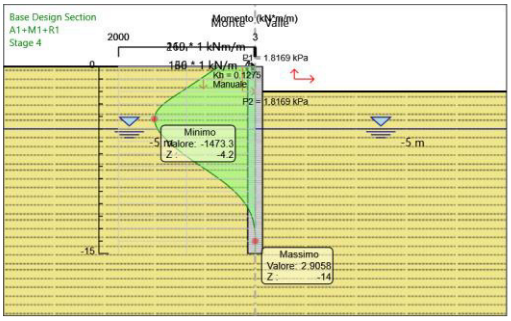


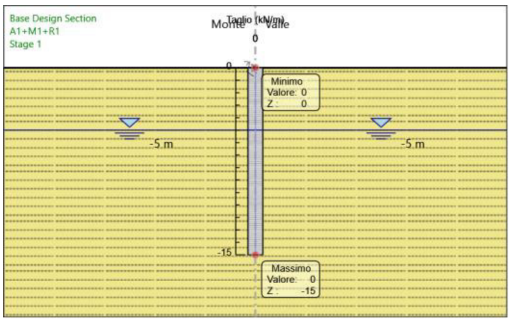


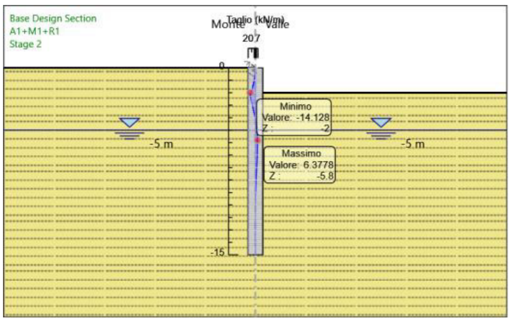


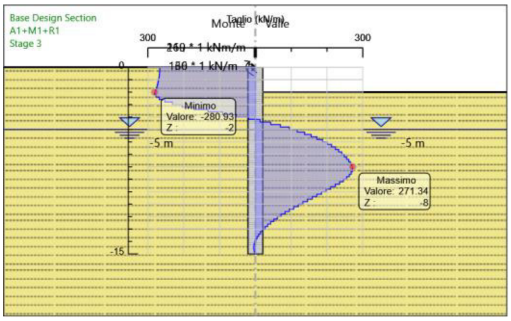


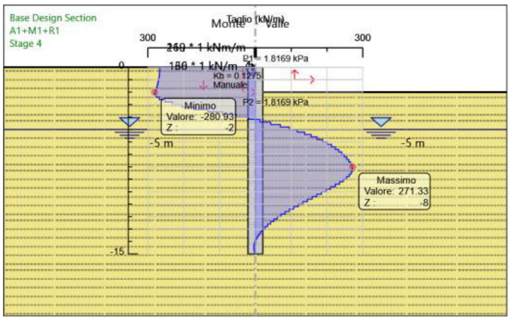


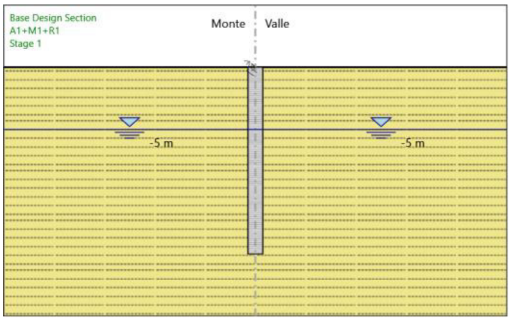


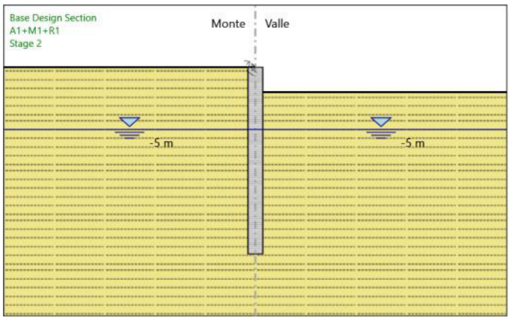


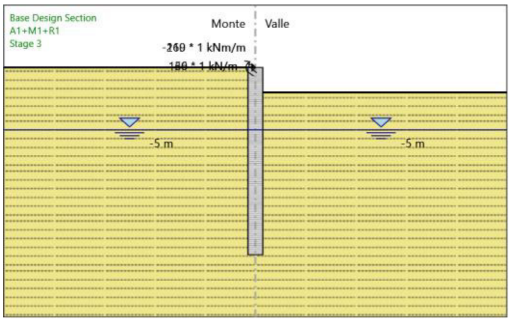


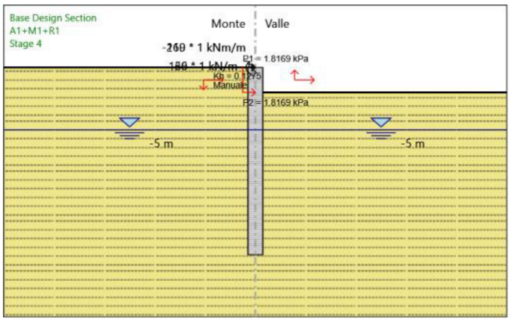

Base Design Section
A1+M1+R1
Stage 3
Monte
Valle
300
300
Minimo
Valore: -280.93
Z : -2
-5 m
-5 m
Massimo
Valore: 271.34
Z : -8
-15

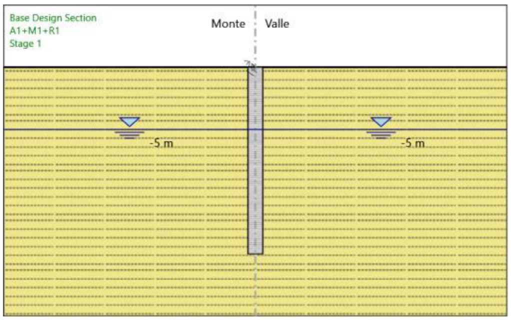

Base Design Section
A1+M1+R1
Stage 4
Monte
Valle
300
300
P1 = 1.8169 kPa
Kh = 0.1275
Manuale
P2 = 1.8169 kPa
Minimo
Valore: -280.93
Z : -2
-5 m
-5 m
Massimo
Valore: 271.33
Z : -8
-15

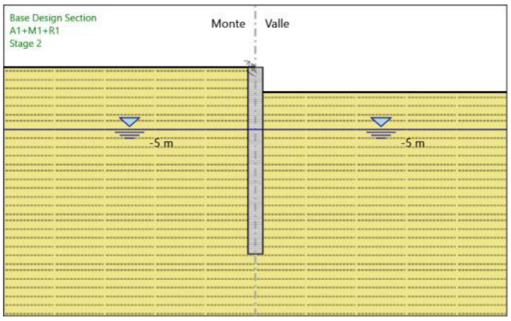

Base Design Section
A1+M1+R1
Stage 1
Monte
Valle
-5 m
-5 m

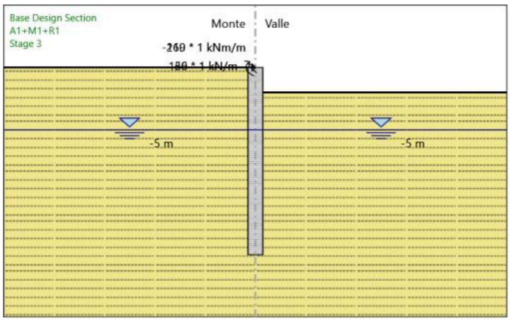

Base Design Section
A1+M1+R1
Stage 2
Monte
Valle
-5 m
-5 m

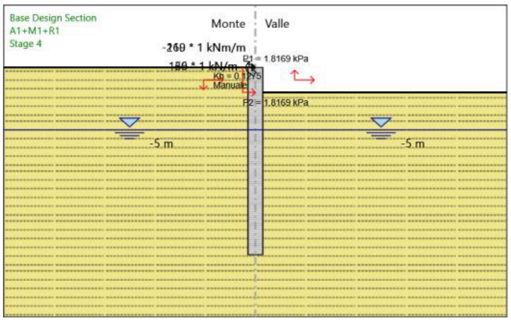

Base Design Section
A1+M1+R1
Stage 3
Monte
Valle
-5 m
-5 m


Base Design Section
A1+M1+R1
Stage 4
Monte
Valle
P1 = 1.8169 kPa
P2 = 1.8169 kPa
-5 m
-5 m


Base Design Section
A1+M1+R1
Stage 1
Monte
Valle
-5 m
-5 m

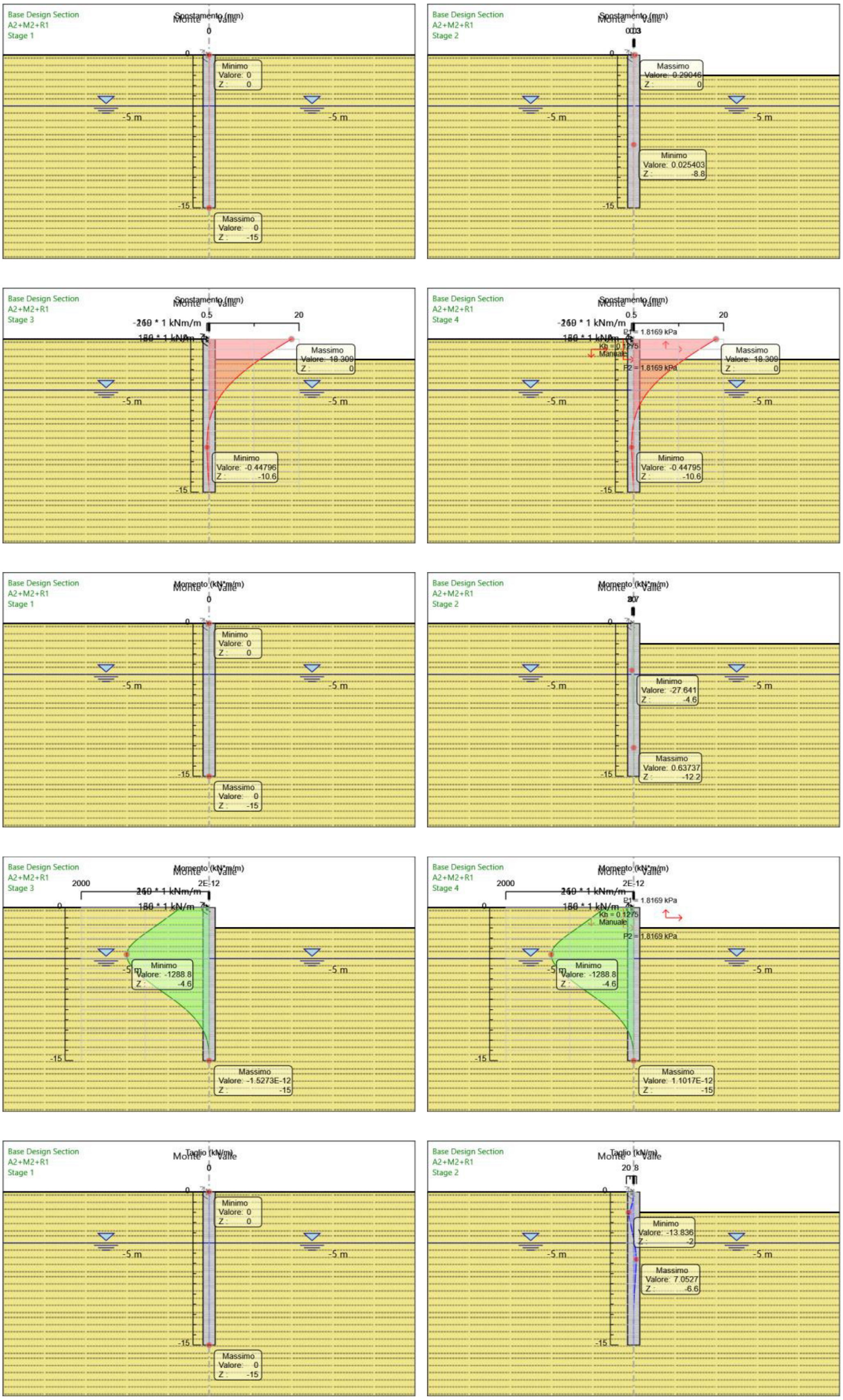

Base Design Section
A1+M1+R1
Stage 2
Monte
Valle
-5 m
-5 m

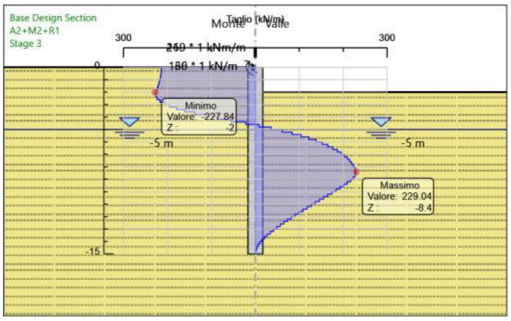
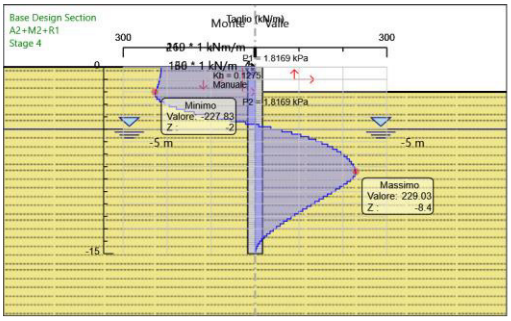
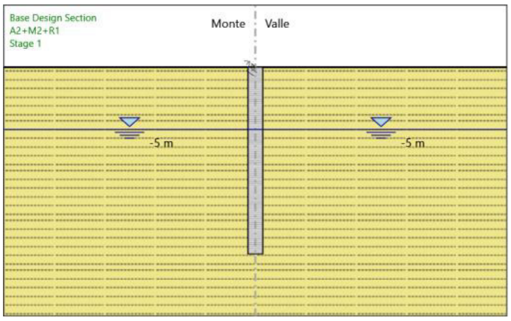
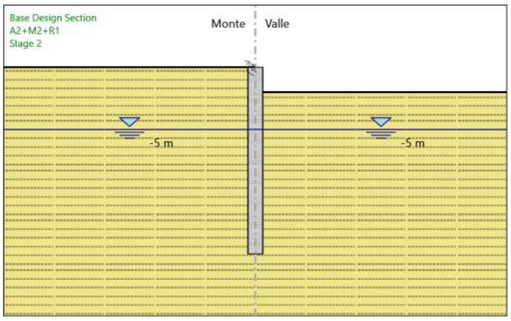
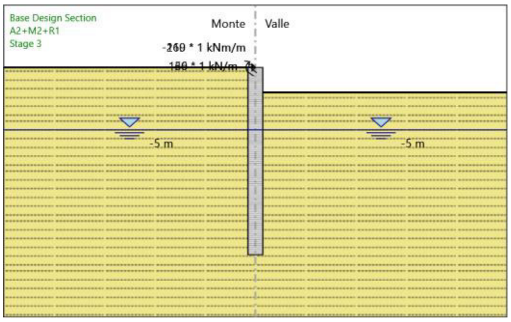
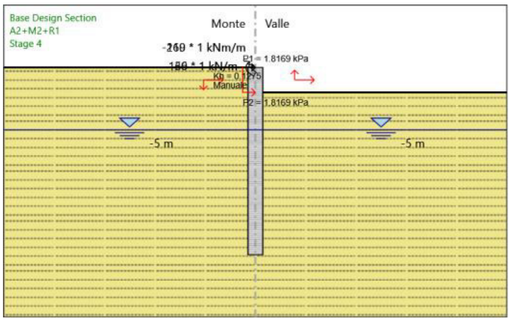
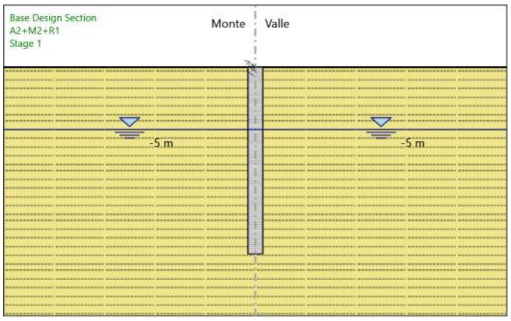
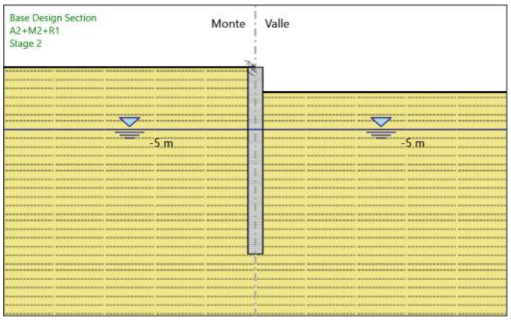
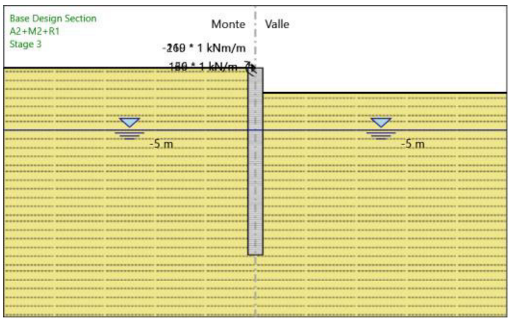
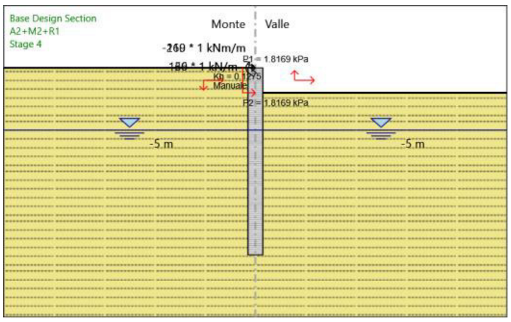

Base Design Section
A1+M1+R1
Stage 3
Monte
Valle
-5 m
-5 m


Base Design Section
A1+M1+R1
Stage 4
Monte
Valle
P1 = 1.8169 kPa
P2 = 1.8169 kPa
-5 m
-5 m

6.3. Risultati A2+M2+R1

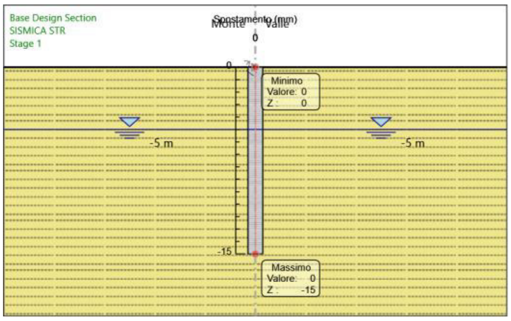
6.3.1. Tabella Grafici dei Risultati

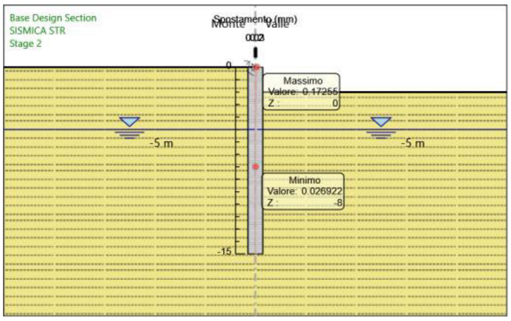


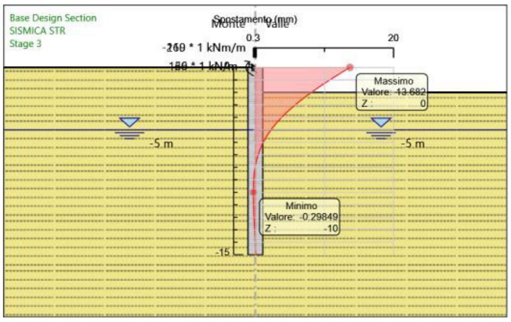

Base Design Section
A2+M2+R1
Stage 3
Taglio (kN/m)
Monte
Valle
300
300
0
Minimo
Valore: -227.84
Z : -2
-5 m
-5 m
Massimo
Valore: 229.04
Z : -8.4
-15

Base Design Section
A2+M2+R1
Stage 4
Taglio (kN/m)
Monte
Valle
300
300
P1 = 1.8169 kPa
Manuale
P2 = 1.8169 kPa
Minimo
Valore: -227.83
Z : -2
-5 m
-5 m
Massimo
Valore: 229.03
Z : -8.4
-15

Base Design Section
A2+M2+R1
Stage 1
Monte
Valle
-5 m
-5 m

Base Design Section
A2+M2+R1
Stage 2
Monte
Valle
-5 m
-5 m

Base Design Section
A2+M2+R1
Stage 3
Monte
Valle
-5 m
-5 m

Base Design Section
A2+M2+R1
Stage 4
Monte
Valle
P1 = 1.8169 kPa
Manuale
P2 = 1.8169 kPa
-5 m
-5 m

Base Design Section
A2+M2+R1
Stage 1
Monte
Valle
-5 m
-5 m

Base Design Section
A2+M2+R1
Stage 2
Monte
Valle
-5 m
-5 m

Base Design Section
A2+M2+R1
Stage 3
Monte
Valle
-5 m
-5 m

Base Design Section
A2+M2+R1
Stage 4
Monte
Valle
P1 = 1.8169 kPa
Manuale
P2 = 1.8169 kPa
-5 m
-5 m

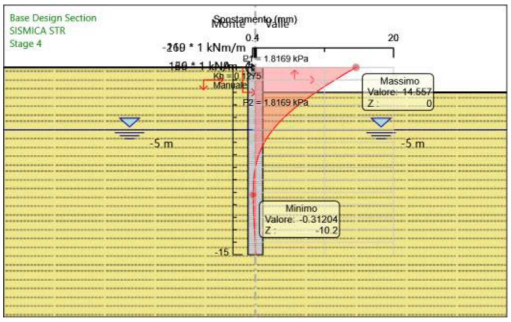
6.4. Risultati SISMICA STR

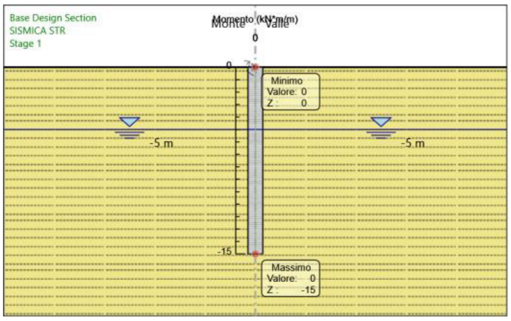
6.4.1. Tabella Grafici dei Risultati

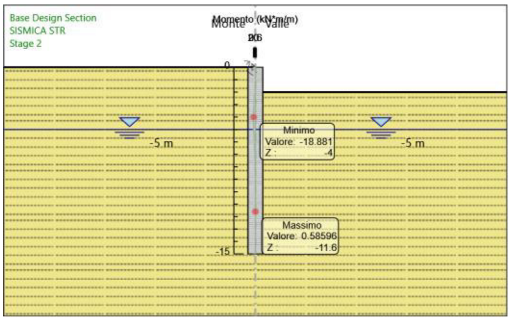


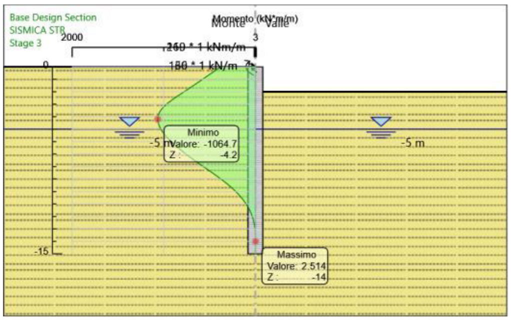


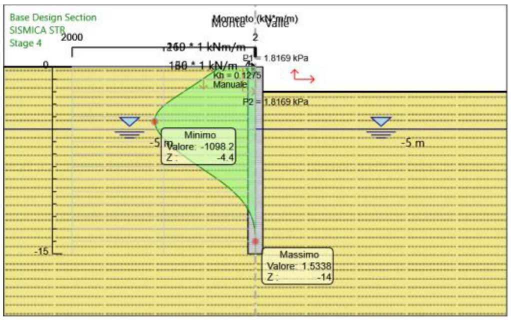


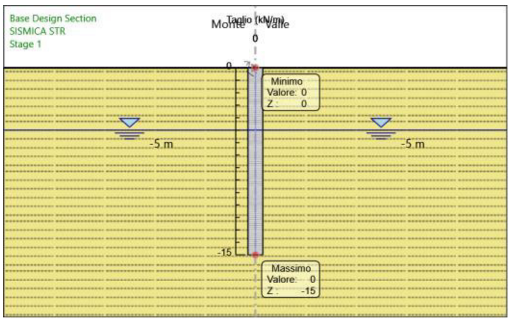


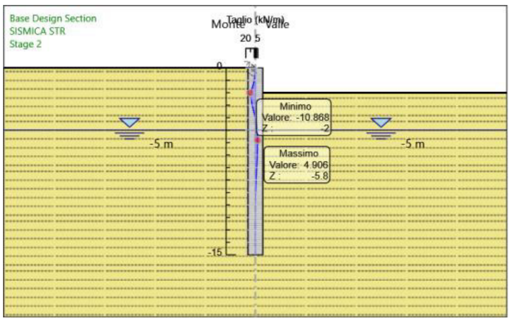


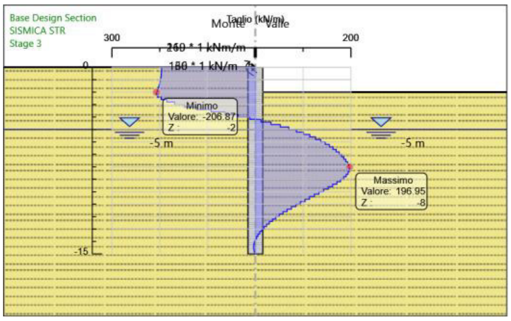


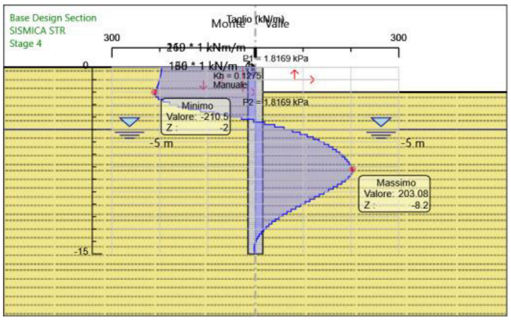


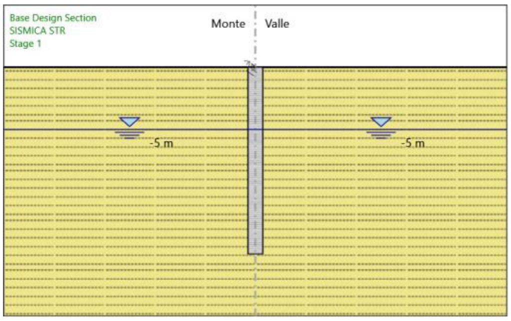


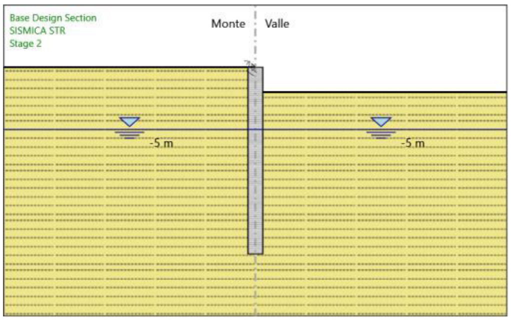


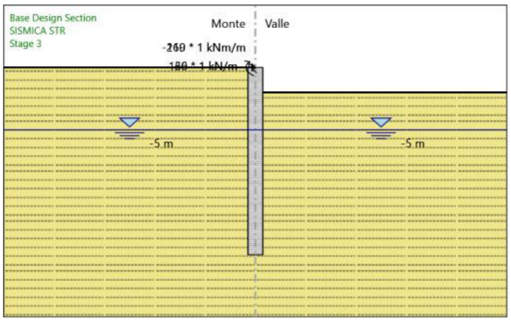


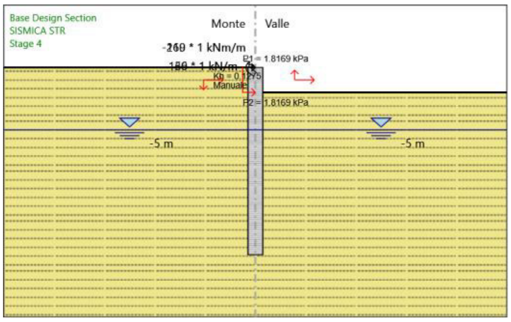

Base Design Section
SISMICA STR
Stage 3
Taglio (kN/m)
Monte
Valle
300
200
Minimo
Valore: -206.87
Z: -2
Massimo
Valore: 196.95
Z: -8
-5 m
-5 m
-15

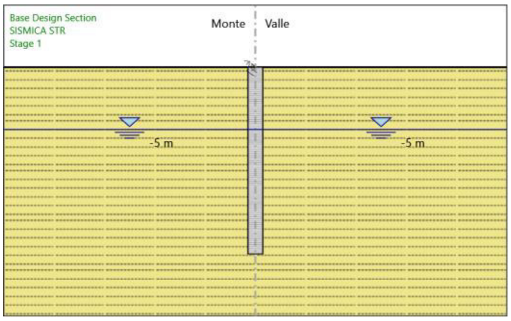

Base Design Section
SISMICA STR
Stage 4
Taglio (kN/m)
Monte
Valle
300
300
P1 = 1.8169 kPa
Kh = 0.1275
Manuale
P2 = 1.8169 kPa
Minimo
Valore: -210.5
Z: -2
Massimo
Valore: 203.08
Z: -8.2
-5 m
-5 m
-15

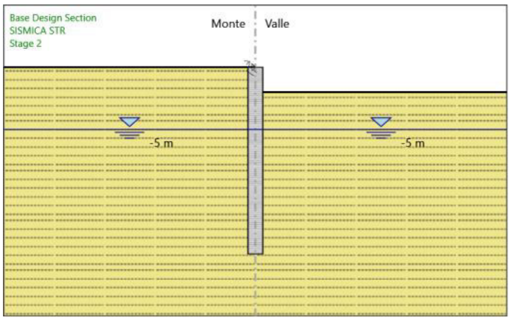

Base Design Section
SISMICA STR
Stage 1
Monte
Valle
-5 m
-5 m

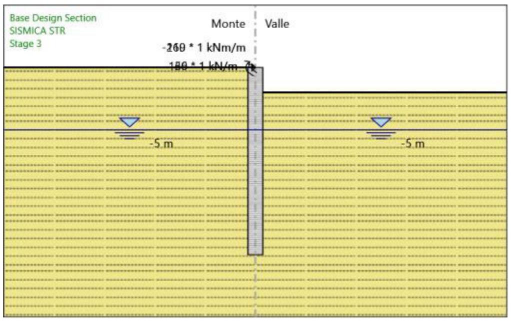

Base Design Section
SISMICA STR
Stage 2
Monte
Valle
-5 m
-5 m

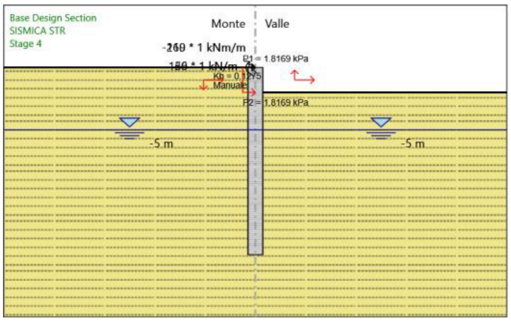

Base Design Section
SISMICA STR
Stage 3
Monte
Valle
-5 m
-5 m


Base Design Section
SISMICA STR
Stage 4
Monte
Valle
P1 = 1.8169 kPa
Kh = 0.1275
Manuale
P2 = 1.8169 kPa
-5 m
-5 m


Base Design Section
SISMICA STR
Stage 1
Monte
Valle
-5 m
-5 m

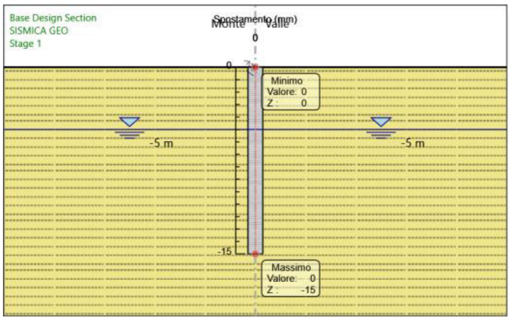

Base Design Section
SISMICA STR
Stage 2
Monte
Valle
-5 m
-5 m

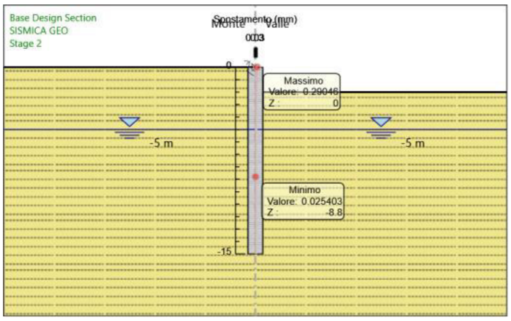

Base Design Section
SISMICA STR
Stage 3
Monte
Valle
-5 m
-5 m

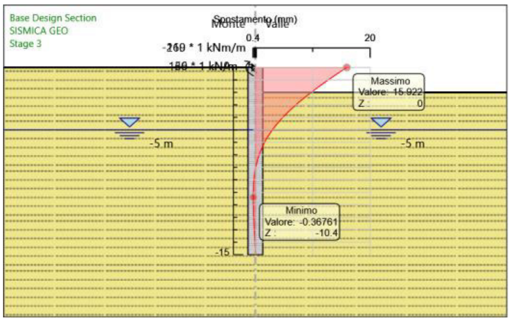

Base Design Section
SISMICA STR
Stage 4
Monte
Valle
P1 = 1.8169 kPa
Kh = 0.1275
Manuale
P2 = 1.8169 kPa
-5 m
-5 m

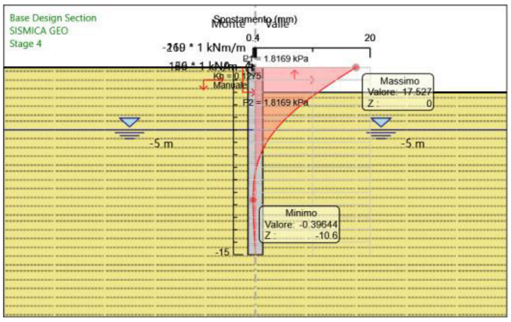
6.5. Risultati SISMICA GEO

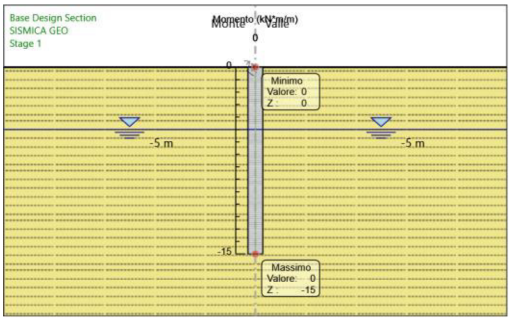
6.5.1. Tabella Grafici dei Risultati

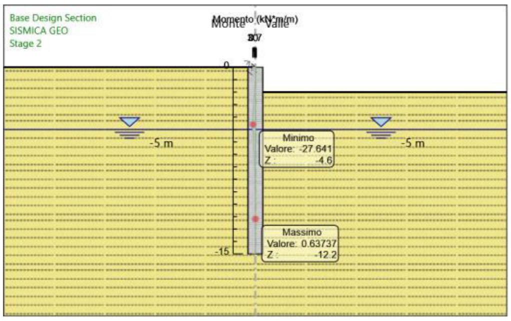


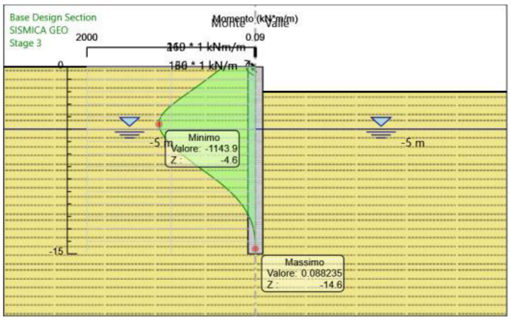


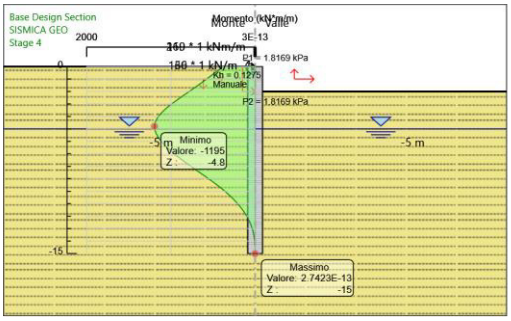


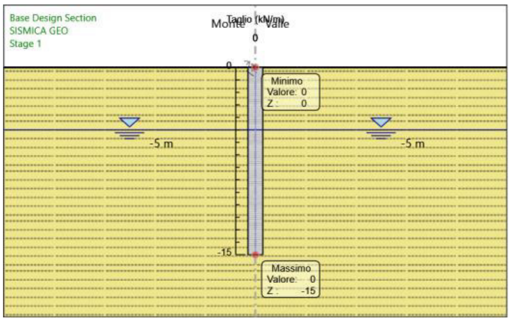


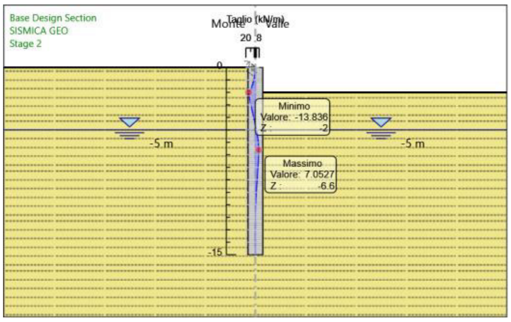


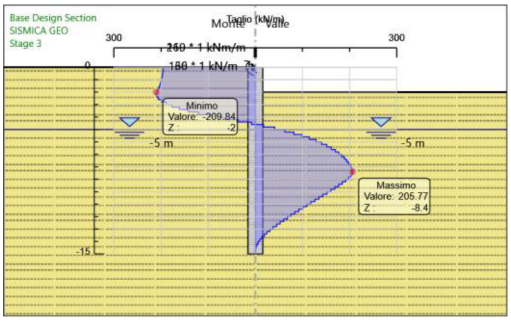


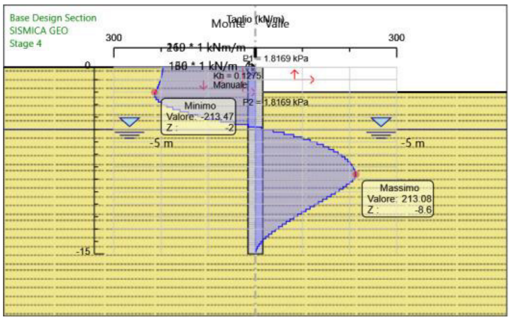


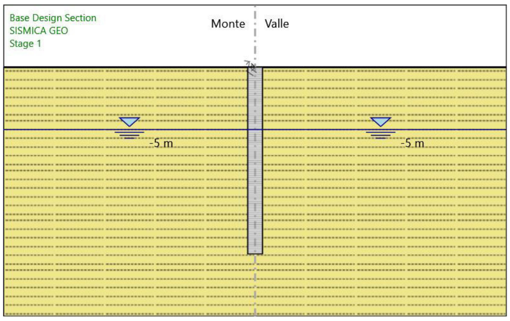


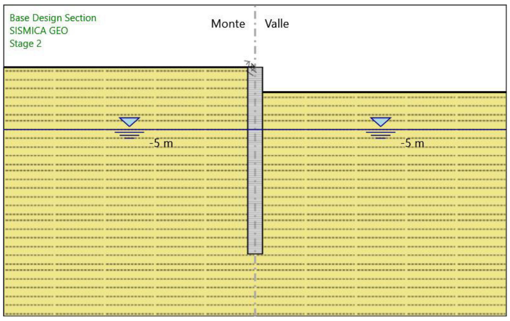


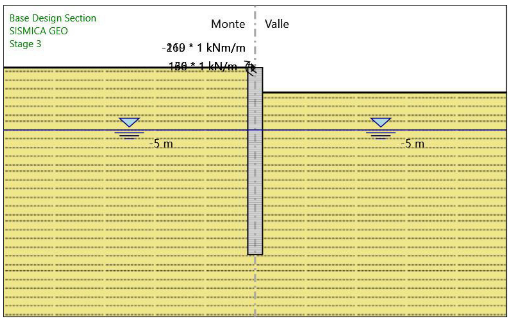


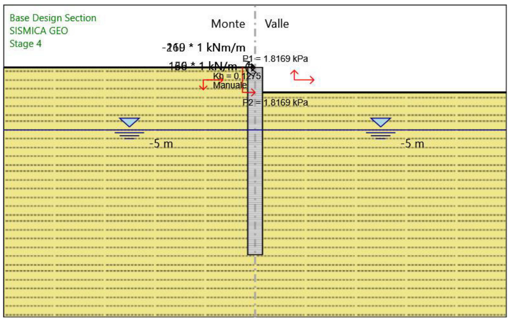

Base Design Section
SISMICA GEO
Stage 3
300
300
Minimo
Valore: -209.84
Z: -2
Massimo
Valore: 205.77
Z: -8.4
-5 m
-5 m
-15

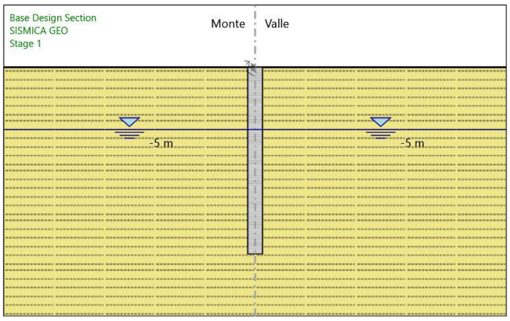

Base Design Section
SISMICA GEO
Stage 4
300
300
P1 = 1.8169 kPa
P2 = 1.8169 kPa
Minimo
Valore: -213.47
Z: -2
Massimo
Valore: 213.08
Z: -8.6
-5 m
-5 m
-15

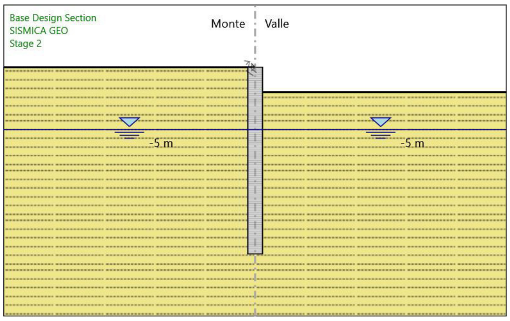

Base Design Section
SISMICA GEO
Stage 1
Monte
Valle
-5 m
-5 m

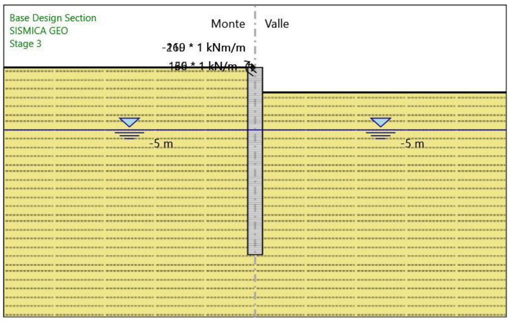

Base Design Section
SISMICA GEO
Stage 2
Monte
Valle
-5 m
-5 m

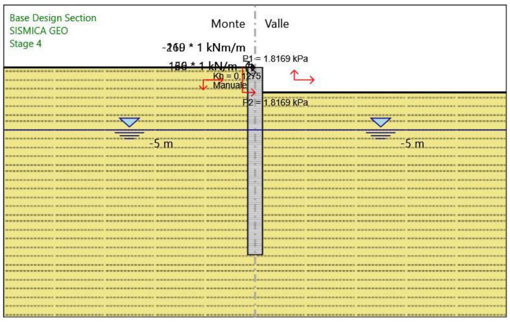

Base Design Section
SISMICA GEO
Stage 3
Monte
Valle
-5 m
-5 m


Base Design Section
SISMICA GEO
Stage 4
Monte
Valle
P1 = 1.8169 kPa
P2 = 1.8169 kPa
-5 m
-5 m


Base Design Section
SISMICA GEO
Stage 1
Monte
Valle
-5 m
-5 m


Base Design Section
SISMICA GEO
Stage 2
Monte
Valle
-5 m
-5 m


Base Design Section
SISMICA GEO
Stage 3
Monte
Valle
-5 m
-5 m


Base Design Section
SISMICA GEO
Stage 4
Monte
Valle
P1 = 1.8169 kPa
P2 = 1.8169 kPa
-5 m
-5 m

7. Normative adottate per le verifiche degli Elementi Strutturali

Normative Verifiche	
Calcestruzzo	NTC
Acciaio	NTC
Tirante	NTC

Coefficienti per Verifica Tiranti	
GEO FS	1
ξa3	1.8
γs	1.15

7.1. Riepilogo Stage / Design Assumption per Inviluppo

Design Assumption	Stage 1	Stage 2	Stage 3	Stage 4
SLE (Rara)	V	V	V	V
A1+M1+R1	V	V	V	V
A2+M2+R1	V	V	V	V
SISMICA STR	V	V	V	V
SISMICA GEO	V	V	V	V

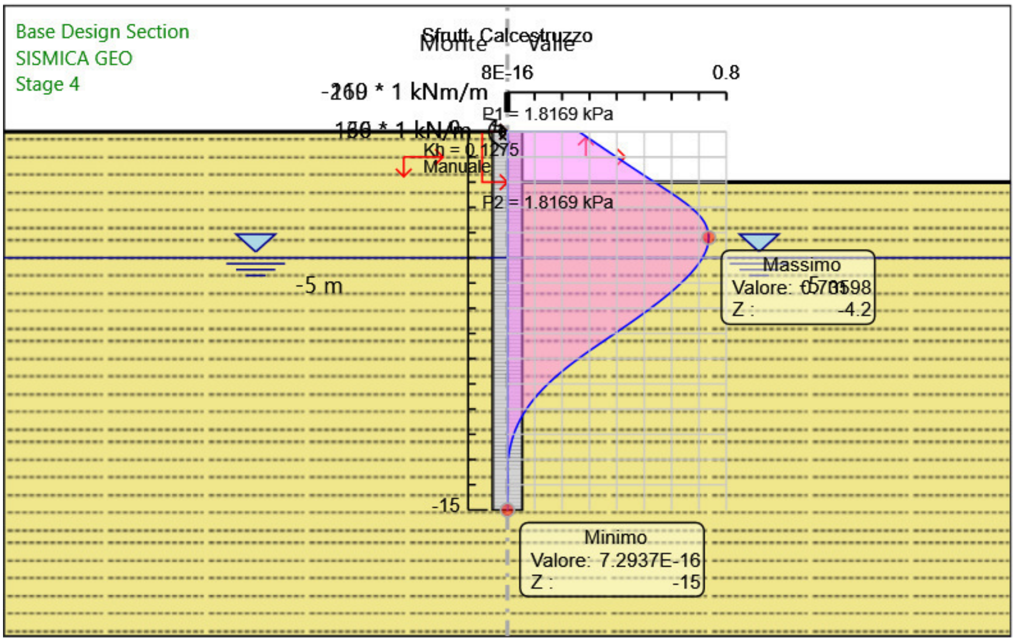
7.2. Risultati Caver

7.2.1. Tabella Inviluppi Tasso di Sfruttamento Calcestruzzo - Caver : LEFT

Inviluppi Tasso di Sfruttamento Calcestruzzo - Caver	LEFT
Z (m)	Tasso di Sfruttamento Calcestruzzo - Caver
0	0.262
-0.2	0.289
-0.4	0.316
-0.6	0.343
-0.8	0.371
-1	0.398
-1.2	0.426
-1.4	0.453
-1.6	0.481
-1.8	0.509
-2	0.537
-2.2	0.566
-2.4	0.594
-2.6	0.622
-2.8	0.647
-3	0.671
-3.2	0.691
-3.4	0.708
-3.6	0.721
-3.8	0.729
-4	0.734
-4.2	0.736
-4.4	0.734
-4.6	0.73
-4.8	0.723
-5	0.713
-5.2	0.701
-5.4	0.687
-5.6	0.671
-5.8	0.654
-6	0.635
-6.2	0.615
-6.4	0.593
-6.6	0.571
-6.8	0.547
-7	0.523
-7.2	0.498
-7.4	0.473
-7.6	0.446
-7.8	0.42
-8	0.393
-8.2	0.366
-8.4	0.338
-8.6	0.312
-8.8	0.285
-9	0.26
-9.2	0.235
-9.4	0.211
-9.6	0.189
-9.8	0.168
-10	0.148
-10.2	0.13
-10.4	0.113
-10.6	0.097
-10.8	0.083
-11	0.07
-11.2	0.058
-11.4	0.047
-11.6	0.038
-11.8	0.03
-12	0.023
-12.2	0.017
-12.4	0.012
-12.6	0.008

Inviluppi Tasso di Sfruttamento Calcestruzzo - Caver	LEFT
Z (m)	Tasso di Sfruttamento Calcestruzzo - Caver
-12.8	0.005
-13	0.003
-13.2	0.001
-13.4	0.001
-13.6	0.001
-13.8	0.002
-14	0.002
-14.2	0.001
-14.4	0.001
-14.6	0.001
-14.8	0
-15	0

7.2.2. Grafico Inviluppi Tasso di Sfruttamento Calcestruzzo - Caver



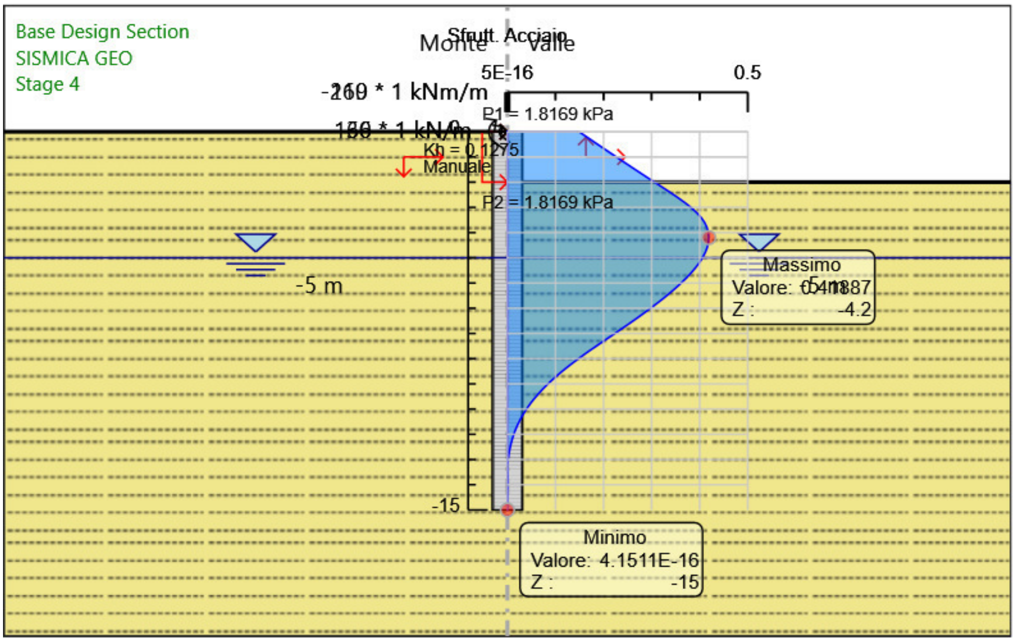
Inviluppi
Tasso di Sfruttamento Calcestruzzo - Caver

7.2.3. Tabella Inviluppi Tasso di Sfruttamento Armature - Caver : LEFT

Inviluppi Tasso di Sfruttamento Armature - Caver	LEFT
Z (m)	Tasso di Sfruttamento Armature - Caver
0	0.149
-0.2	0.165
-0.4	0.18
-0.6	0.195
-0.8	0.211
-1	0.227
-1.2	0.242
-1.4	0.258
-1.6	0.274
-1.8	0.29
-2	0.306
-2.2	0.322
-2.4	0.338
-2.6	0.354
-2.8	0.368
-3	0.382
-3.2	0.393
-3.4	0.403
-3.6	0.41
-3.8	0.415
-4	0.418
-4.2	0.419
-4.4	0.418
-4.6	0.415
-4.8	0.411
-5	0.406
-5.2	0.399
-5.4	0.391
-5.6	0.382
-5.8	0.372
-6	0.361
-6.2	0.35
-6.4	0.338
-6.6	0.325
-6.8	0.312
-7	0.298
-7.2	0.284
-7.4	0.269
-7.6	0.254
-7.8	0.239
-8	0.224
-8.2	0.208
-8.4	0.193
-8.6	0.177
-8.8	0.162
-9	0.148
-9.2	0.134
-9.4	0.12
-9.6	0.108
-9.8	0.096
-10	0.084
-10.2	0.074
-10.4	0.064
-10.6	0.055
-10.8	0.047
-11	0.04
-11.2	0.033
-11.4	0.027
-11.6	0.022
-11.8	0.017
-12	0.013
-12.2	0.01
-12.4	0.007
-12.6	0.005
-12.8	0.003
-13	0.001
-13.2	0

Inviluppi Tasso di Sfruttamento Armature - Caver	LEFT
Z (m)	Tasso di Sfruttamento Armature - Caver
-13.4	0
-13.6	0.001
-13.8	0.001
-14	0.001
-14.2	0.001
-14.4	0.001
-14.6	0
-14.8	0
-15	0

7.2.4. Grafico Inviluppi Tasso di Sfruttamento Armature - Caver



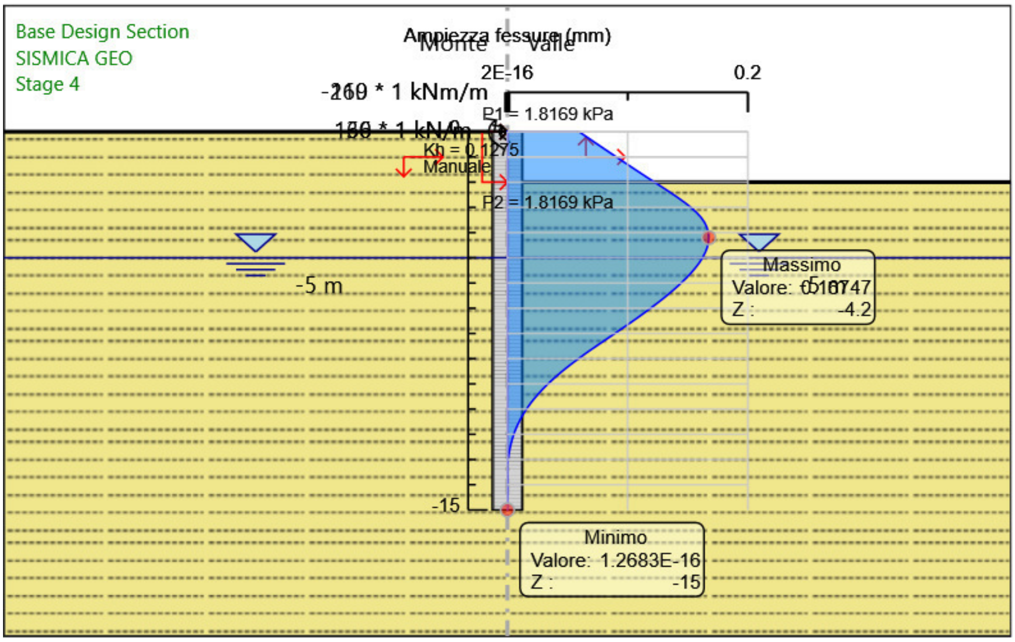
Inviluppi
Tasso di Sfruttamento Armature - Caver

7.2.5. Tabella Inviluppi Apertura Fessure - Caver : LEFT

Inviluppi Apertura Fessure - Caver	LEFT
Z (m)	Apertura Fessure - Caver (mm)
0	0.06
-0.2	0.066
-0.4	0.072
-0.6	0.078
-0.8	0.084
-1	0.091
-1.2	0.097
-1.4	0.103
-1.6	0.109
-1.8	0.116
-2	0.122
-2.2	0.129
-2.4	0.135
-2.6	0.141
-2.8	0.147
-3	0.153
-3.2	0.157
-3.4	0.161
-3.6	0.164
-3.8	0.166
-4	0.167
-4.2	0.167
-4.4	0.167
-4.6	0.166
-4.8	0.164
-5	0.162
-5.2	0.16
-5.4	0.156
-5.6	0.153
-5.8	0.149
-6	0.144
-6.2	0.14
-6.4	0.135
-6.6	0.13
-6.8	0.125
-7	0.119
-7.2	0.113
-7.4	0.108
-7.6	0.102
-7.8	0.096
-8	0.089
-8.2	0.083
-8.4	0.077
-8.6	0.071
-8.8	0.065
-9	0.059
-9.2	0.053
-9.4	0.048
-9.6	0.043
-9.8	0.038
-10	0.034
-10.2	0.03
-10.4	0.026
-10.6	0.022
-10.8	0.019
-11	0.016
-11.2	0.013
-11.4	0.011
-11.6	0.009
-11.8	0.007
-12	0.005
-12.2	0.004
-12.4	0.003
-12.6	0.002
-12.8	0.001
-13	0.001
-13.2	0

Inviluppi Apertura Fessure - Caver	LEFT
Z (m)	Apertura Fessure - Caver (mm)
-13.4	0
-13.6	0
-13.8	0
-14	0
-14.2	0
-14.4	0
-14.6	0
-14.8	0
-15	0

7.2.6. Grafico Inviluppi Apertura Fessure - Caver



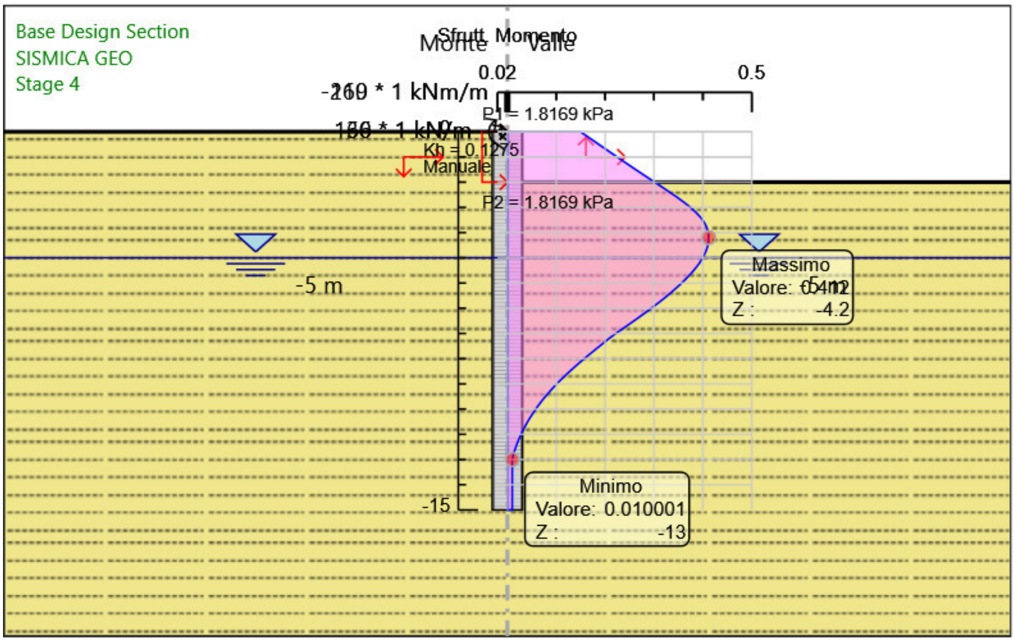
Inviluppi
Apertura Fessure - Caver

7.2.7. Tabella Inviluppi Tasso di Sfruttamento a Momento - Caver : LEFT

Inviluppi Tasso di Sfruttamento a Momento - Caver	LEFT
Z (m)	Tasso di Sfruttamento a Momento - Caver
0	0.15
-0.2	0.164
-0.4	0.179
-0.6	0.194
-0.8	0.209
-1	0.224
-1.2	0.24
-1.4	0.255
-1.6	0.27
-1.8	0.286
-2	0.301
-2.2	0.317
-2.4	0.332
-2.6	0.347
-2.8	0.361
-3	0.374
-3.2	0.386
-3.4	0.395
-3.6	0.403
-3.8	0.408
-4	0.411
-4.2	0.412
-4.4	0.411
-4.6	0.409
-4.8	0.405
-5	0.4
-5.2	0.393
-5.4	0.385
-5.6	0.377
-5.8	0.367
-6	0.357
-6.2	0.345
-6.4	0.333
-6.6	0.321
-6.8	0.308
-7	0.294
-7.2	0.281
-7.4	0.266
-7.6	0.252
-7.8	0.237
-8	0.222
-8.2	0.208
-8.4	0.195
-8.6	0.182
-8.8	0.17
-9	0.157
-9.2	0.145
-9.4	0.133
-9.6	0.122
-9.8	0.111
-10	0.101
-10.2	0.091
-10.4	0.082
-10.6	0.073
-10.8	0.065
-11	0.058
-11.2	0.051
-11.4	0.044
-11.6	0.038
-11.8	0.033
-12	0.028
-12.2	0.023
-12.4	0.019
-12.6	0.016
-12.8	0.012
-13	0.01
-13.2	0.01

Inviluppi Tasso di Sfruttamento a Momento - Caver	LEFT
Z (m)	Tasso di Sfruttamento a Momento - Caver
-13.4	0.01
-13.6	0.01
-13.8	0.01
-14	0.01
-14.2	0.01
-14.4	0.01
-14.6	0.01
-14.8	0.01
-15	0.01

7.2.8. Grafico Inviluppi Tasso di Sfruttamento a Momento - Caver



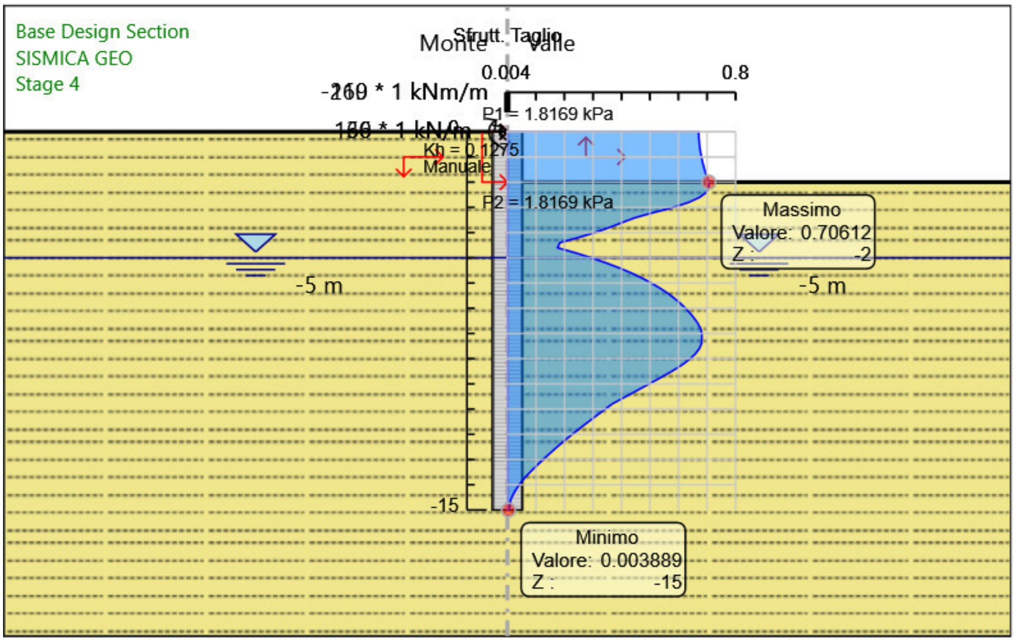
Inviluppi
Tasso di Sfruttamento a Momento - Caver

7.2.9. Tabella Inviluppi Tasso di Sfruttamento a Taglio - Caver : LEFT

Inviluppi Tasso di Sfruttamento a Taglio - Caver	LEFT
Z (m)	Tasso di Sfruttamento a Taglio - Caver
0	0.671
-0.2	0.671
-0.4	0.673
-0.6	0.674
-0.8	0.677
-1	0.68
-1.2	0.684
-1.4	0.689
-1.6	0.694
-1.8	0.7
-2	0.706
-2.2	0.706
-2.4	0.698
-2.6	0.674
-2.8	0.636
-3	0.582
-3.2	0.514
-3.4	0.45
-3.6	0.403
-3.8	0.357
-4	0.306
-4.2	0.248
-4.4	0.184
-4.6	0.176
-4.8	0.238
-5	0.294
-5.2	0.346
-5.4	0.392
-5.6	0.434
-5.8	0.471
-6	0.505
-6.2	0.535
-6.4	0.561
-6.6	0.585
-6.8	0.606
-7	0.625
-7.2	0.641
-7.4	0.655
-7.6	0.668
-7.8	0.677
-8	0.682
-8.2	0.682
-8.4	0.681
-8.6	0.673
-8.8	0.66
-9	0.641
-9.2	0.618
-9.4	0.591
-9.6	0.561
-9.8	0.529
-10	0.497
-10.2	0.465
-10.4	0.432
-10.6	0.399
-10.8	0.367
-11	0.343
-11.2	0.319
-11.4	0.296
-11.6	0.273
-11.8	0.25
-12	0.227
-12.2	0.206
-12.4	0.185
-12.6	0.164
-12.8	0.144
-13	0.125
-13.2	0.107

Inviluppi Tasso di Sfruttamento a Taglio - Caver	LEFT
Z (m)	Tasso di Sfruttamento a Taglio - Caver
-13.4	0.088
-13.6	0.071
-13.8	0.055
-14	0.041
-14.2	0.029
-14.4	0.019
-14.6	0.011
-14.8	0.009
-15	0.004

7.2.10. Grafico Inviluppi Tasso di Sfruttamento a Taglio - Caver



Inviluppi
Tasso di Sfruttamento a Taglio - Caver