

# AUTOSTRADA VALDASTICO A31 NORD

## 1° LOTTO

### Piovene Rocchette - Valle dell'Astico

## PROGETTO DEFINITIVO

CUP G21B1 30006 60005

WBS B25.A31N.L1

COMMESSA J16L1

### COMMITTENTE



S.p.A. AUTOSTRADA BRESCIA VERONA VICENZA PADOVA  
Area Costruzioni Autostradali

CAPO COMMESSA  
PER LA PROGETTAZIONE  
Dott. Ing. Gabriella Costantini

PRESTATORE DI SERVIZI:  
**CONSORZIO RAETIA**



RAPPRESENTANTE: Dott. Ing. Alberto Scotti

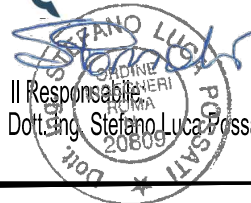
RESPONSABILE DELL'INTEGRAZIONE  
TRA LE PRESTAZIONI SPECIALISTICHE:  
Technital S.p.A. - Dott. Ing. Andrea Renzo



PROGETTAZIONE:



Il Responsabile  
Dott. Ing. Stefano Luca Possati



ELABORATO: **OPERE D'ARTE MINORI**  
Cavalcavia  
Cavalcavia via Colombara  
Relazione di calcolo Impalcato - Allegati

Progressivo Rev.  
**08 01 01 001 02**

Rev.	Data	Descrizione	Redazione	Controllo	Approvazione	SCALA: --
00	GIUGNO 2017	PRIMA EMISSIONE	3TI PROGETTI - DI SANZO	M. SORGE	S.L.POSSATI	NOME FILE: J16L1_08_01_01_001_0203_OPD_02.dwg
02	LUGLIO 2017	RECEPIMENTO OSSERVAZIONI	3TI PROGETTI - PIERUCCI	M. SORGE	S.L.POSSATI	CM.      PROGR.      FG.      LIV.      REV. J16L1_08_01_01_001_0203_PD_02

**AUTOSTRADA VALDASTICO A31 NORD**  
**1° LOTTO**  
**PIOVENE ROCCHETTE – VALLE DELL’ASTICO**

*Committente:*



*Progettazione:*

CONSORZIO RAETIA



**PROGETTO DEFINITIVO**

CAVALCAVIA VIA COLOMBARA

RELAZIONE DI CALCOLO - ALLEGATI

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## 1. IMPALCATO

### 1.1. Input

**Table: Active Degrees of Freedom**

Table: Active Degrees of Freedom					
UX	UY	UZ	RX	RY	RZ
Yes	Yes	Yes	Yes	Yes	Yes

**Table: Analysis Options**

Table: Analysis Options					
Solver	SolverProc	Force32Bit	StiffCase	GeomMod	HingeOpt
Advanced	Auto	No	None	None	In Elements

**Table: Case - Moving Load 1 - Lane Assignments**

Table: Case - Moving Load 1 - Lane Assignments						
Case	AssignNum	VehClass	ScaleFactor	MinLoaded	MaxLoaded	NumLanes
moving	1	L_I	1	0	1	2
moving	2	L_II	1	0	1	2
moving	3	L_Folla	1	0	2	2
moving	4	L_risul	1	0	1	1
moving	5	L_risul	1	0	1	1
moving-1	1	L_I	1	0	1	1
moving-1	2	L_II	1	0	1	1
moving-1	3	L_Folla	1	0	2	2
moving-1	4	L_risul	1	0	1	1
moving-1	5	L_risul	1	0	1	1
moving_fatica	1	L_fatica	1	0	1	1

**Table: Case - Moving Load 2 - Lanes Loaded**

Table: Case - Moving Load 2 - Lanes Loaded		
Case	AssignNum	Lane
moving	1	LANE_1
moving	1	LANE_2
moving	2	LANE_1
moving	2	LANE_2
moving	3	LANE_F_Dx
moving	3	LANE_F_SX
moving	4	LANE_3
moving	5	Area_R

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**Table: Case - Moving Load 2 - Lanes Loaded**

Case	AssignNum	Lane
moving-1	1	LANE_1
moving-1	2	LANE_2
moving-1	3	LANE_F_Dx
moving-1	3	LANE_F_SX
moving-1	4	LANE_3
moving-1	5	Area_R
moving_fatica	1	LANE_1
moving_fatica	2	LANE_F_SX
moving_fatica	2	LANE_1
moving_fatica	2	LANE_2
moving_fatica	2	LANE_3
moving_fatica	2	LANE_F_Dx
moving_fatica	2	Area_R
moving_fatica	2	fatica

**Table: Case - Moving Load 3 - MultiLane Factors**

**Table: Case - Moving Load 3 - MultiLane Factors**

Case	NumberLanes	ScaleFactor
moving	1	1
moving	2	1
moving	3	1
moving	4	1
moving	5	1
moving	6	1
moving	7	1
moving-1	1	1
moving-1	2	1
moving-1	3	1
moving-1	4	1
moving-1	5	1
moving-1	6	1
moving-1	7	1
moving_fatica	1	1
moving_fatica	2	1
moving_fatica	3	1
moving_fatica	4	1
moving_fatica	5	1
moving_fatica	6	1
moving_fatica	7	1

**Table: Frame Loads - Distributed, Part 1 of 3**

**Table: Frame Loads - Distributed, Part 1 of 3**

Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDistA
93	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
93	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
94	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0

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**Table: Frame Loads - Distributed, Part 1 of 3**

Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDistA
94	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
97	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
97	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
98	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
98	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
317	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
317	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
318	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
318	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
319	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
319	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
320	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
320	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
321	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
321	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
322	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
322	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
323	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
323	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
324	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
324	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
325	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
325	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
326	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
326	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
327	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
327	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
328	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
328	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
329	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
329	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
330	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
330	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
331	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
331	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
332	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
332	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
333	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
333	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
334	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
334	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
335	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
335	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
336	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
336	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
337	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
337	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
338	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
338	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
339	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
339	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
340	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
340	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0

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**Table: Frame Loads - Distributed, Part 1 of 3**

Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDistA
341	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
341	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
342	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
342	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
343	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
343	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
344	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
344	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
345	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
345	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
581	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
581	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
582	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
582	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
583	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
583	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
584	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
584	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
585	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
585	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
586	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
586	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
587	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
587	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
588	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
588	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
589	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
589	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
590	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
590	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
591	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
591	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
592	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
592	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
593	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
593	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
594	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
594	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
596	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
596	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
597	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
597	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
598	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
598	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
599	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
599	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
600	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
600	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
601	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
601	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
602	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
602	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
603	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0

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**Table: Frame Loads - Distributed, Part 1 of 3**

Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDistA
603	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
604	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
604	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
605	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
605	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
606	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
606	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
607	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
607	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
608	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
608	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
609	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
609	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T1	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T1	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T2	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T2	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T3	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T3	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T4	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T4	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T5	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T5	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T6	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T6	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T7	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T7	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T8	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T8	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T9	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T9	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T10	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T10	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T11	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T11	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T12	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T12	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T13	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T13	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T14	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T14	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T17	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T17	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T18	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T18	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T19	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T19	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T20	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T20	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T21	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T21	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T22	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T22	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0



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**Table: Frame Loads - Distributed, Part 1 of 3**

Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDistA
T23	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T23	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T24	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T24	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T25	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T25	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T26	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T26	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T27	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T27	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T28	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T28	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T29	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T29	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T32	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T32	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T30	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T30	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T31	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T31	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T15	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T15	g2_Perm_II	GLOBAL	Force	Gravity	RelDist	0
T16	G_pp_soletta	GLOBAL	Force	Gravity	RelDist	0
T16	g2_Perm_II	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
93	G_pp_soletta	1	0	0.5	33	33
93	g2_Perm_II	1	0	0.5	16.25	16.25
94	G_pp_soletta	1	0	0.5	33	33
94	g2_Perm_II	1	0	0.5	16.25	16.25
97	G_pp_soletta	1	0	0.5	33	33
97	g2_Perm_II	1	0	0.5	16.25	16.25
98	G_pp_soletta	1	0	0.5	33	33
98	g2_Perm_II	1	0	0.5	16.25	16.25
317	G_pp_soletta	1	0	0.5	31	31
317	g2_Perm_II	1	0	0.5	12	12
318	G_pp_soletta	1	0	1	31	31
318	g2_Perm_II	1	0	1	12	12
319	G_pp_soletta	1	0	2	31	31
319	g2_Perm_II	1	0	2	12	12
320	G_pp_soletta	1	0	1	31	31
320	g2_Perm_II	1	0	1	12	12
321	G_pp_soletta	1	0	1	31	31
321	g2_Perm_II	1	0	1	12	12
322	G_pp_soletta	1	0	2	31	31
322	g2_Perm_II	1	0	2	12	12
323	G_pp_soletta	1	0	1	31	31
323	g2_Perm_II	1	0	1	12	12

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**Table: Frame Loads - Distributed, Part 2 of 3**

Frame	LoadPat	RelDistB	AbsDistA	AbsDistB	FOverLA	FOverLB
			m	m		
324	G_pp_soletta	1	0	1	31	31
324	g2_Perm_II	1	0	1	12	12
325	G_pp_soletta	1	0	2	31	31
325	g2_Perm_II	1	0	2	12	12
326	G_pp_soletta	1	0	1	31	31
326	g2_Perm_II	1	0	1	12	12
327	G_pp_soletta	1	0	1	31	31
327	g2_Perm_II	1	0	1	12	12
328	G_pp_soletta	1	0	2	31	31
328	g2_Perm_II	1	0	2	12	12
329	G_pp_soletta	1	0	1	31	31
329	g2_Perm_II	1	0	1	12	12
330	G_pp_soletta	1	0	1	31	31
330	g2_Perm_II	1	0	1	12	12
331	G_pp_soletta	1	0	2	31	31
331	g2_Perm_II	1	0	2	12	12
332	G_pp_soletta	1	0	1	31	31
332	g2_Perm_II	1	0	1	12	12
333	G_pp_soletta	1	0	1	31	31
333	g2_Perm_II	1	0	1	12	12
334	G_pp_soletta	1	0	2	31	31
334	g2_Perm_II	1	0	2	12	12
335	G_pp_soletta	1	0	1	31	31
335	g2_Perm_II	1	0	1	12	12
336	G_pp_soletta	1	0	1	31	31
336	g2_Perm_II	1	0	1	12	12
337	G_pp_soletta	1	0	2	31	31
337	g2_Perm_II	1	0	2	12	12
338	G_pp_soletta	1	0	1	31	31
338	g2_Perm_II	1	0	1	12	12
339	G_pp_soletta	1	0	1	31	31
339	g2_Perm_II	1	0	1	12	12
340	G_pp_soletta	1	0	2	31	31
340	g2_Perm_II	1	0	2	12	12
341	G_pp_soletta	1	0	1	31	31
341	g2_Perm_II	1	0	1	12	12
342	G_pp_soletta	1	0	1	31	31
342	g2_Perm_II	1	0	1	12	12
343	G_pp_soletta	1	0	2	31	31
343	g2_Perm_II	1	0	2	12	12
344	G_pp_soletta	1	0	1	31	31
344	g2_Perm_II	1	0	1	12	12
345	G_pp_soletta	1	0	0.5	31	31
345	g2_Perm_II	1	0	0.5	12	12
581	G_pp_soletta	1	0	1	33	33
581	g2_Perm_II	1	0	1	16.25	16.25
582	G_pp_soletta	1	0	2	33	33
582	g2_Perm_II	1	0	2	16.25	16.25
583	G_pp_soletta	1	0	1	33	33
583	g2_Perm_II	1	0	1	16.25	16.25
584	G_pp_soletta	1	0	1	33	33
584	g2_Perm_II	1	0	1	16.25	16.25
585	G_pp_soletta	1	0	2	33	33

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**Table: Frame Loads - Distributed, Part 2 of 3**

Frame	LoadPat	RelDistB	AbsDistA	AbsDistB	FOverLA	FOverLB
			m	m		
585	g2_Perm_II	1	0	2	16.25	16.25
586	G_pp_soletta	1	0	1	33	33
586	g2_Perm_II	1	0	1	16.25	16.25
587	G_pp_soletta	1	0	1	33	33
587	g2_Perm_II	1	0	1	16.25	16.25
588	G_pp_soletta	1	0	2	33	33
588	g2_Perm_II	1	0	2	16.25	16.25
589	G_pp_soletta	1	0	1	33	33
589	g2_Perm_II	1	0	1	16.25	16.25
590	G_pp_soletta	1	0	1	33	33
590	g2_Perm_II	1	0	1	16.25	16.25
591	G_pp_soletta	1	0	0.2	33	33
591	g2_Perm_II	1	0	0.2	16.25	16.25
592	G_pp_soletta	1	0	1.8	33	33
592	g2_Perm_II	1	0	1.8	16.25	16.25
593	G_pp_soletta	1	0	1	33	33
593	g2_Perm_II	1	0	1	16.25	16.25
594	G_pp_soletta	1	0	1	33	33
594	g2_Perm_II	1	0	1	16.25	16.25
596	G_pp_soletta	1	0	1	33	33
596	g2_Perm_II	1	0	1	16.25	16.25
597	G_pp_soletta	1	0	1	33	33
597	g2_Perm_II	1	0	1	16.25	16.25
598	G_pp_soletta	1	0	1.8	33	33
598	g2_Perm_II	1	0	1.8	16.25	16.25
599	G_pp_soletta	1	0	0.2	33	33
599	g2_Perm_II	1	0	0.2	16.25	16.25
600	G_pp_soletta	1	0	1	33	33
600	g2_Perm_II	1	0	1	16.25	16.25
601	G_pp_soletta	1	0	1	33	33
601	g2_Perm_II	1	0	1	16.25	16.25
602	G_pp_soletta	1	0	2	33	33
602	g2_Perm_II	1	0	2	16.25	16.25
603	G_pp_soletta	1	0	1	33	33
603	g2_Perm_II	1	0	1	16.25	16.25
604	G_pp_soletta	1	0	1	33	33
604	g2_Perm_II	1	0	1	16.25	16.25
605	G_pp_soletta	1	0	2	33	33
605	g2_Perm_II	1	0	2	16.25	16.25
606	G_pp_soletta	1	0	1	33	33
606	g2_Perm_II	1	0	1	16.25	16.25
607	G_pp_soletta	1	0	1	33	33
607	g2_Perm_II	1	0	1	16.25	16.25
608	G_pp_soletta	1	0	2	33	33
608	g2_Perm_II	1	0	2	16.25	16.25
609	G_pp_soletta	1	0	1	33	33
609	g2_Perm_II	1	0	1	16.25	16.25
T1	G_pp_soletta	1	0	1	33	33
T1	g2_Perm_II	1	0	1	16.25	16.25
T2	G_pp_soletta	1	0	2	33	33
T2	g2_Perm_II	1	0	2	16.25	16.25
T3	G_pp_soletta	1	0	1	33	33
T3	g2_Perm_II	1	0	1	16.25	16.25

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**Table: Frame Loads - Distributed, Part 2 of 3**

Frame	LoadPat	RelDistB	AbsDistA	AbsDistB	FOverLA	FOverLB
			m	m		
T4	G_pp_soletta	1	0	1	33	33
T4	g2_Perm_II	1	0	1	16.25	16.25
T5	G_pp_soletta	1	0	2	33	33
T5	g2_Perm_II	1	0	2	16.25	16.25
T6	G_pp_soletta	1	0	1	33	33
T6	g2_Perm_II	1	0	1	16.25	16.25
T7	G_pp_soletta	1	0	1	33	33
T7	g2_Perm_II	1	0	1	16.25	16.25
T8	G_pp_soletta	1	0	2	33	33
T8	g2_Perm_II	1	0	2	16.25	16.25
T9	G_pp_soletta	1	0	1	33	33
T9	g2_Perm_II	1	0	1	16.25	16.25
T10	G_pp_soletta	1	0	1	33	33
T10	g2_Perm_II	1	0	1	16.25	16.25
T11	G_pp_soletta	1	0	0.2	33	33
T11	g2_Perm_II	1	0	0.2	16.25	16.25
T12	G_pp_soletta	1	0	1.8	33	33
T12	g2_Perm_II	1	0	1.8	16.25	16.25
T13	G_pp_soletta	1	0	1	33	33
T13	g2_Perm_II	1	0	1	16.25	16.25
T14	G_pp_soletta	1	0	1	33	33
T14	g2_Perm_II	1	0	1	16.25	16.25
T17	G_pp_soletta	1	0	1	33	33
T17	g2_Perm_II	1	0	1	16.25	16.25
T18	G_pp_soletta	1	0	1	33	33
T18	g2_Perm_II	1	0	1	16.25	16.25
T19	G_pp_soletta	1	0	1.8	33	33
T19	g2_Perm_II	1	0	1.8	16.25	16.25
T20	G_pp_soletta	1	0	0.2	33	33
T20	g2_Perm_II	1	0	0.2	16.25	16.25
T21	G_pp_soletta	1	0	1	33	33
T21	g2_Perm_II	1	0	1	16.25	16.25
T22	G_pp_soletta	1	0	1	33	33
T22	g2_Perm_II	1	0	1	16.25	16.25
T23	G_pp_soletta	1	0	2	33	33
T23	g2_Perm_II	1	0	2	16.25	16.25
T24	G_pp_soletta	1	0	1	33	33
T24	g2_Perm_II	1	0	1	16.25	16.25
T25	G_pp_soletta	1	0	1	33	33
T25	g2_Perm_II	1	0	1	16.25	16.25
T26	G_pp_soletta	1	0	2	33	33
T26	g2_Perm_II	1	0	2	16.25	16.25
T27	G_pp_soletta	1	0	1	33	33
T27	g2_Perm_II	1	0	1	16.25	16.25
T28	G_pp_soletta	1	0	1	33	33
T28	g2_Perm_II	1	0	1	16.25	16.25
T29	G_pp_soletta	1	0	2	33	33
T29	g2_Perm_II	1	0	2	16.25	16.25
T32	G_pp_soletta	1	0	1	33	33
T32	g2_Perm_II	1	0	1	16.25	16.25
T30	G_pp_soletta	1	0	1	33	33
T30	g2_Perm_II	1	0	1	16.25	16.25
T31	G_pp_soletta	1	0	1	33	33

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**Table: Frame Loads - Distributed, Part 2 of 3**

Frame	LoadPat	RelDistB	AbsDistA	AbsDistB	FOverLA	FOverLB
			m	m		
T31	g2_Perm_II	1	0	1	16.25	16.25
T15	G_pp_soletta	1	0	1	33	33
T15	g2_Perm_II	1	0	1	16.25	16.25
T16	G_pp_soletta	1	0	1	33	33
T16	g2_Perm_II	1	0	1	16.25	16.25

**Table: Frame Loads - Distributed, Part 3 of 3**

**Table: Frame Loads - Distributed, Part 3 of 3**

Frame	LoadPat	GUID
93	G_pp_soletta	b9b10a77-3e22-42db-b2de-6b72bc5316fa
93	g2_Perm_II	b43f4aa9-ef1d-442c-b875-28a31961f912
94	G_pp_soletta	bdde7bec-f7b6-4c8e-bcc4-d60d1b595d8a
94	g2_Perm_II	43e7a43f-6a85-4202-b45d-e1f4663d506c
97	G_pp_soletta	5e982a03-24a4-4ddb-8b26-6eb8554439ed
97	g2_Perm_II	207b74c1-7353-4d9a-bf10-c74ad3909b3a
98	G_pp_soletta	3d27fce8-ea8e-46e7-95bf-08ebd9d3de9a
98	g2_Perm_II	e79a7cf5-994c-4e41-adda-88927fdb3ca
317	G_pp_soletta	7daf261f-1b3b-4228-a51a-3b7a7351a328
317	g2_Perm_II	c9529131-d8b9-4310-b2f2-ade7a23b0966
318	G_pp_soletta	f026839d-e307-4d70-91fd-53ef75b81ae7
318	g2_Perm_II	a98ce5cf-b9f7-4bbf-ae4f-2b6ec8304e94
319	G_pp_soletta	cb86a088-e331-408c-ae6c-38cc698bdea3
319	g2_Perm_II	b59b480f-bbf4-4218-8631-9c23f40cf7e4
320	G_pp_soletta	cac82ed0-d9c7-4408-9515-df5956aab20a
320	g2_Perm_II	b07f7884-b73a-42ef-9d0e-160ad2432c87
321	G_pp_soletta	4b8b550c-83a7-4269-a7b1-f71668fe25d6
321	g2_Perm_II	99daff32-765e-46fe-b986-92c2ed4dfc3b
322	G_pp_soletta	2939ed42-808f-490e-8506-b30e6c269d63
322	g2_Perm_II	0100373f-8e92-4cd2-80ab-1f0be81f3501
323	G_pp_soletta	f8e8ca50-24e8-4614-b12f-9103cee550f1
323	g2_Perm_II	ff8be0fa-11d9-4e6e-ac0e-d9f0d3a3cb5d

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**Table: Frame Loads - Distributed, Part 3 of 3**

Frame	LoadPat	GUID
324	G_pp_soletta	af3e8a24-3a78-4417-b89b-d8a751e0e123
324	g2_Perm_II	e023fcfb-4014-42fd-8818-23e4b731662d
325	G_pp_soletta	466e0339-99ae-4030-b2bc-be691cf5d0c8
325	g2_Perm_II	56a62345-5c24-4fca-87b4-9669d9d5edac
326	G_pp_soletta	acd0cb2f-8a68-462e-aa51-579587c7d671
326	g2_Perm_II	14d509c1-c3d1-45b7-8c53-7dc06ff742ed
327	G_pp_soletta	19402b96-421c-4226-827e-1e9455e9fbd0
327	g2_Perm_II	9592aa32-f0c6-4236-8c3e-6a0fe7a62540
328	G_pp_soletta	96b59d5f-dc5d-4394-a68d-f94207357da6
328	g2_Perm_II	5278c87d-ee50-42e7-8403-23420fd3f7f2
329	G_pp_soletta	de746249-5ab0-4d5d-95a0-19b12a673ab6
329	g2_Perm_II	17f84210-9b68-4a7c-9193-636280d652cc
330	G_pp_soletta	1626c51c-d459-4d55-9d51-898db1f06a43
330	g2_Perm_II	20592bfa-4bd4-4d6e-8d7a-71a667b0a1dd
331	G_pp_soletta	87d4cfbf-fbb2-498e-830b-410519f28bd0
331	g2_Perm_II	9ffe83c7-5db5-4696-a50c-8bc3b02a5516
332	G_pp_soletta	d951f73b-d1aa-444d-8c74-ab5bc5bf0552
332	g2_Perm_II	2ff197e6-100e-494e-9ef4-cb915b853dd5
333	G_pp_soletta	c0aa7c00-1ff1-4bcf-bb8f-13d857bd1a58
333	g2_Perm_II	22bf02c0-acee-44f9-87d7-85bd5ace36de
334	G_pp_soletta	b05ecdb7-d2dc-424f-8a33-e45ceaae6d80
334	g2_Perm_II	b640d205-ca45-45d8-a058-d6145df6934a
335	G_pp_soletta	b0467379-fe43-4ea0-80a7-af684c473c8b
335	g2_Perm_II	8c037ce1-d61e-4070-a0d0-0bb44fe206b5
336	G_pp_soletta	2e055299-13a5-4551-8acb-67e2910fb448
336	g2_Perm_II	704b2e8f-4c0c-4579-b416-3e798a0e4454
337	G_pp_soletta	da7f0406-ca6f-4b36-86bc-8690bf374a93
337	g2_Perm_II	65cc307d-59bb-4097-8247-ee3781261c9f
338	G_pp_soletta	bda0c54f-ca22-4337-8b3f-87caabfb4375

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Frame Loads - Distributed, Part 3 of 3**

Frame	LoadPat	GUID
338	g2_Perm_II	8659fc38-2611-4854-8de5-48f6ad07a4bc
339	G_pp_soletta	31ba4bcf-fe2f-45e1-8002-31f30e598e7b
339	g2_Perm_II	07382e42-92f6-4924-b3e6-c65450224b39
340	G_pp_soletta	d675fe63-864a-4b67-a081-728895c97dd5
340	g2_Perm_II	cc1d9dcb-7ae6-4ccf-9a22-dc4221f5ae69
341	G_pp_soletta	2036fea4-c983-42dc-8b62-e920d839e834
341	g2_Perm_II	dedd0bea-4435-4fbc-a43e-78283b0ad5b6
342	G_pp_soletta	f624501b-941b-4239-ac72-f2dfb43b3995
342	g2_Perm_II	135d3d8a-8339-4f1a-b4b9-e1bd68b8d85a
343	G_pp_soletta	5aa85532-fd5a-47de-b6bc-ab1183f162b1
343	g2_Perm_II	2fb078e1-3c6a-4c34-ac62-803eeabd48f3
344	G_pp_soletta	feae4b1-af11-44de-8c3f-553ac9e532cd
344	g2_Perm_II	e2ae5ede-f245-44da-a1db-98e6490dd0d7
345	G_pp_soletta	d16b9c46-a5fc-426d-83b3-8d22afa56e29
345	g2_Perm_II	7158c189-8e91-4f3e-b7a5-65cef925cac
581	G_pp_soletta	1c76d2f3-a099-4c69-9303-a8cc5ec7e903
581	g2_Perm_II	e8651b6a-748b-4dc3-a0f4-96e039cba448
582	G_pp_soletta	5269b4ca-78e0-4349-919f-74e96c7f6505
582	g2_Perm_II	abe70c6f-a0c0-46f2-85a1-cfb4d7ddca1b
583	G_pp_soletta	323817c0-753c-4c7b-aa33-694c1ea37f71
583	g2_Perm_II	1d4fc280-db73-4166-adbd-48a3ee2cf4a3
584	G_pp_soletta	36863a78-a8dc-4966-b01f-16c386d0f537
584	g2_Perm_II	ca6526b1-6e94-4acb-9357-68070292baa8
585	G_pp_soletta	4cea11bb-dd9a-476c-af0f-7a40cc55d42c
585	g2_Perm_II	ea1e1249-3570-4422-a3ec-e756f4152c8c
586	G_pp_soletta	a90396f2-109e-4b6d-9641-d257ee7d7c18
586	g2_Perm_II	fb15e2e0-04c2-4bfd-a0a3-6ad10a15f0d2
587	G_pp_soletta	c6c26bda-612b-44f6-aa7f-0e33f8c12041
587	g2_Perm_II	85b13843-51b0-47fe-b43e-95a6c1f9c091

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Frame Loads - Distributed, Part 3 of 3**

Frame	LoadPat	GUID
588	G_pp_soletta	f00690a4-05ef-4214-849b-86729d7412f6
588	g2_Perm_II	f6c3e1a7-8c38-414e-9e6a-d82410ca703a
589	G_pp_soletta	dbe59377-7866-45c1-88bc-4eee4db681d1
589	g2_Perm_II	2622520c-5eec-4aa6-855f-d03e94ebee5
590	G_pp_soletta	fe8399c0-bf2f-4790-8ce4-d70eb3d9fd4b
590	g2_Perm_II	c4ae93be-9407-4487-8e90-9ad9c72d6e33
591	G_pp_soletta	a08fd598-fa11-43b8-bb6c-cbdb3a4678c7
591	g2_Perm_II	51bad406-1f7b-478c-a8fb-72d358e4d328
592	G_pp_soletta	91e83369-4b1f-4355-8290-9ab3c4166bba
592	g2_Perm_II	8d9a2b99-6cbb-4faa-8dcd-e0b7e7387e53
593	G_pp_soletta	bf4a7845-f824-4df9-a4e2-e74aaefd7eb
593	g2_Perm_II	be35afde-b876-45c0-9719-328421d7d062
594	G_pp_soletta	4d987067-225e-4393-a2e3-16c0e633a413
594	g2_Perm_II	b5f16136-459b-42f7-ad05-3d40ffe9347e
596	G_pp_soletta	103aa3d8-9567-4029-a50e-bb4b13f34482
596	g2_Perm_II	d8816e05-6246-4e98-99fa-a781a7a6b9d9
597	G_pp_soletta	f7c29d51-5fb0-44ed-a5cb-11ed278a21d8
597	g2_Perm_II	fa183917-96fa-40b0-b7d2-4997e3c30877
598	G_pp_soletta	79cacf60-9680-4388-9e89-6e38404f1395
598	g2_Perm_II	42441f9e-84d0-4a74-b27b-4002dbec7d39
599	G_pp_soletta	f83ac583-4bb0-45a0-98f9-ce12bfa732a4
599	g2_Perm_II	f27c0886-1b2d-474e-a2d1-c82ecd7cdbe1
600	G_pp_soletta	a041250d-9c71-4b69-a168-f8a4634d3190
600	g2_Perm_II	0c236cd6-46b5-4476-9c1e-20d90056c8e2
601	G_pp_soletta	2e24e701-f451-4eba-8f7a-7871debfd527
601	g2_Perm_II	367f2931-f886-443d-a4db-4c51ea158e13
602	G_pp_soletta	e048c819-e402-45fb-9888-3832c4cbf610
602	g2_Perm_II	c7645212-b4ee-4ec8-b590-526f7f0e0158
603	G_pp_soletta	94ec7f7a-7011-4426-8ea1-6d4e18e2ea04



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**Table: Frame Loads - Distributed, Part 3 of 3**

Frame	LoadPat	GUID
603	g2_Perm_II	7c8e1898-8d1e-4526-a61d-eab34d00920d
604	G_pp_soletta	dc92f705-94a9-4d5d-8b38-fb21750ced7c
604	g2_Perm_II	84206a83-29a3-4f25-a281-ca488f12f42b
605	G_pp_soletta	94702554-dfae-47bc-8da5-ce1c00e1a2c1
605	g2_Perm_II	c40c8732-635c-4b81-acbc-ac0a8d25e278
606	G_pp_soletta	1bf574bf-29b2-476f-87c6-ddd960436c37
606	g2_Perm_II	1faccf3d-cc2e-46b6-a783-cfea602a7293
607	G_pp_soletta	005addb2-b249-4c98-b514-6e3fa6bc61e5
607	g2_Perm_II	1a86b946-16e8-495e-94db-58ebd50ae14a
608	G_pp_soletta	8ffc133-bf1c-4e75-a168-4333223b15f1
608	g2_Perm_II	0098affb-ec8a-4ef1-9700-5aed9408c4c7
609	G_pp_soletta	c08f76c1-720f-4730-8e57-dde289864e1d
609	g2_Perm_II	942dcec6-e192-4ccf-942e-f9aa7a7ea41f
T1	G_pp_soletta	b6a57482-644c-45ea-bb12-59f64706f754
T1	g2_Perm_II	41b2bd86-d110-4d5a-bf84-6bf7a7c4484c
T2	G_pp_soletta	3737c45a-b68e-4524-968a-3a015c473a7c
T2	g2_Perm_II	7651c0db-64aa-4301-ba20-3a86eeaca411
T3	G_pp_soletta	61f46ec2-6ca9-459b-acb4-07329710f11e
T3	g2_Perm_II	a0d0f866-4dff-4b5f-9544-68a7732a0a0d
T4	G_pp_soletta	71b50b23-2aaf-45a8-ac66-cf1fc7c26669
T4	g2_Perm_II	df417aff-a5f6-4f21-8da4-c98441a2375f
T5	G_pp_soletta	77d14f63-b616-4439-9d9b-9aaa46deda6e
T5	g2_Perm_II	41f5e1c0-af23-422c-bb62-e9b0995f03c5
T6	G_pp_soletta	5213e358-8995-442c-b5d9-3a900d64c00c
T6	g2_Perm_II	b822f110-0213-420a-bd88-5803d52eea18
T7	G_pp_soletta	860393f2-d41e-49e9-9797-a45faa953f45
T7	g2_Perm_II	b6a609eb-fa46-42fb-9b44-c64014916c03
T8	G_pp_soletta	607e268e-4bd4-467c-a63f-8b485fab2bd
T8	g2_Perm_II	b02b6803-a930-4d20-89ad-91dc50953d30

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**Table: Frame Loads - Distributed, Part 3 of 3**

Frame	LoadPat	GUID
T9	G_pp_soletta	4a5b5fa7-ad80-4849-9087-8eb87e1992ec
T9	g2_Perm_II	1de210f5-bc22-422e-897f-bb25f1733537
T10	G_pp_soletta	adba6e4e-2639-4a11-a91b-1209fc2ab385
T10	g2_Perm_II	414c73d5-17cf-4a25-a171-5ce35fa60aa1
T11	G_pp_soletta	621f5ad0-d95f-49bd-a756-8a68d88f3584
T11	g2_Perm_II	7c316c6c-2e04-4c55-b95e-e01f4959ab23
T12	G_pp_soletta	91a59da9-f264-494a-92c5-0fc41393cd16
T12	g2_Perm_II	e989edd9-3d48-495b-a7bb-71d593d39beb
T13	G_pp_soletta	ae1cbc81-83df-4e5e-98af-47d2bd46f581
T13	g2_Perm_II	abed7b92-0886-4811-a549-5d32de6d5851
T14	G_pp_soletta	d697c32e-3a10-4b83-ae94-b0b5d72398a3
T14	g2_Perm_II	5a90d0f8-72e5-4ab5-8fdd-bffe06d49cab
T17	G_pp_soletta	5b6bda96-aa19-42dd-9546-1e81b0aeb297
T17	g2_Perm_II	c545ac20-ff7d-4c84-b9cd-66722bf99207
T18	G_pp_soletta	f33343cf-74d4-4063-81ac-7ee4e9bb37b7
T18	g2_Perm_II	40618fa5-c8aa-41d4-9061-6d8f176c8272
T19	G_pp_soletta	4bf252a6-1f23-4300-9b91-82345a564f03
T19	g2_Perm_II	399b96b2-0c91-4048-beee-77fd9954131f
T20	G_pp_soletta	4bfbb621-dcba-46bb-ab6c-fbe567ce6c24
T20	g2_Perm_II	2083bb36-dc68-4f06-aa33-9d38cd4c6ae2
T21	G_pp_soletta	04cc27bd-fb60-4321-a536-aec348b42beb
T21	g2_Perm_II	5a402afe-7ff4-4c91-b936-3727ccb61283
T22	G_pp_soletta	db82526e-bfda-482e-ace6-203d416f943a
T22	g2_Perm_II	c86b03e2-8f59-40f3-9b83-8cb3cb91f766
T23	G_pp_soletta	de708524-53a7-4362-9e66-d39825223d1d
T23	g2_Perm_II	ca547afc-c710-49a4-a5db-41a9273192ee
T24	G_pp_soletta	262dba8a-8ee6-4778-ab3b-63a41877a5d2
T24	g2_Perm_II	e65d2724-36b0-4998-a9a7-98cc63b280e9
T25	G_pp_soletta	3afcfcce-a1be-4ecb-b1c7-589710611e97

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**Table: Frame Loads - Distributed, Part 3 of 3**

Frame	LoadPat	GUID
T25	g2_Perm_II	d47a92b6-e312-470b-bffc-f043923015f7
T26	G_pp_soletta	8df0095b-06b8-4583-bc24-f25176cdfbe4
T26	g2_Perm_II	c395ffe4-efac-4d46-bf4a-dccaa46a3172
T27	G_pp_soletta	f3facf85-db5e-4205-969a-eb8e66338a55
T27	g2_Perm_II	4a264dcb-a3ef-45dd-a6f3-2172e7bc11e2
T28	G_pp_soletta	b459c1e5-1435-4d46-8e91-a4d0044d694c
T28	g2_Perm_II	9f52889f-6f03-46b2-8a25-5ca4c8294a33
T29	G_pp_soletta	fc087c45-6e7b-4c0a-873f-c1d8478a5c83
T29	g2_Perm_II	22c73d98-6f0a-47b9-8504-8fae2817ef02
T32	G_pp_soletta	a338fd6f-119f-4a81-baf0-3ad610c5bf27
T32	g2_Perm_II	23fe3e11-5396-4473-83af-b4bbc5166ee3
T30	G_pp_soletta	a5edef5-718c-4b93-8479-3d29226ab628
T30	g2_Perm_II	5f710c5f-1def-4f1f-b2a7-419762889b16
T31	G_pp_soletta	a5edef5-718c-4b93-8479-3d29226ab628
T31	g2_Perm_II	5f710c5f-1def-4f1f-b2a7-419762889b16
T15	G_pp_soletta	5c617085-87e3-4f86-9b14-ff63462335c4
T15	g2_Perm_II	f7dfe02e-6eb9-41f5-b2c4-84e855d4e7a3
T16	G_pp_soletta	5c617085-87e3-4f86-9b14-ff63462335c4
T16	g2_Perm_II	f7dfe02e-6eb9-41f5-b2c4-84e855d4e7a3

**Table: Frame Section Properties 01 - General, Part 1 of 7**

**Table: Frame Section Properties 01 - General, Part 1 of 7**

SectionName	Material	Shape	t3 m	t2 m	tf m	tw m
FRAME_LANE	S355	General	0.02	0.02		
HE500B	S355	I/Wide Flange	0.5	0.3	0.028	0.0145
Soletta	4000Psi	Rectangular	0.3	2		
T_C1	S355	I/Wide Flange	1.8	0.8	0.03	0.022
T_C1_F2	S355	Built Up I	2.51	0.9		
T_C1_F3	S355	Built Up I	2.51	0.9		
T_C2	S355	I/Wide Flange	1.8	0.8	0.04	0.02
T_C2_F2	S355	Built Up I	2.51	0.856		
T_C2_F3	S355	Built Up I	2.51	1		
T_C3	S355	I/Wide Flange	1.8	0.8	0.04	0.016
T_C3_F2	S355	Built Up I	2.51	0.85		

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**Table: Frame Section Properties 01 - General, Part 1 of 7**

SectionName	Material	Shape	t3 m	t2 m	tf m	tw m
T_C3_F3	S355	Built Up I	2.51	1.001		
TRASV	S355	I/Wide Flange	0.8	0.4	0.03	0.016

**Table: Frame Section Properties 01 - General, Part 2 of 7**

**Table: Frame Section Properties 01 - General, Part 2 of 7**

SectionName	t2b m	tfb m	Area m2	TorsConst m4	I33 m4	I22 m4	I23 m4
FRAME_LANE			0.001	0.001	0.001	0.001	0
HE500B	0.3	0.028	0.0239	5.48E-06	0.001072	0.000126	0
Soletta			0.6	0.016299	0.0045	0.2	0
T_C1	0.9	0.04	0.09806	3.2E-05	0.055104	0.003712	0
T_C1_F2			0.2042	0.001365	0.183282	0.004512	0
T_C1_F3			0.36912	0.006498	0.231701	0.019354	0
T_C2	0.856	0.07	0.12572	0.000114	0.073428	0.005367	0
T_C2_F2			0.24873	0.001938	0.248777	0.006686	0
T_C2_F3			0.44372	0.008107	0.31852	0.0312	0
T_C3	0.85	0.08	0.12688	0.000155	0.074456	0.005801	0
T_C3_F2			0.24798	0.00197	0.261106	0.00711	0
T_C3_F3			0.44359	0.008158	0.336763	0.031712	0
TRASV	0.4	0.03	0.03584	7.856E-06	0.004099	0.00032	0

**Table: Frame Section Properties 01 - General, Part 3 of 7**

**Table: Frame Section Properties 01 - General, Part 3 of 7**

SectionName	AS2 m2	AS3 m2	S33 m3	S22 m3	Z33 m3	Z22 m3	R33 m
FRAME_LANE	0.001	0.001	0.1	0.1	0.1	0.1	0.1
HE500B	0.00725	0.014	0.004288	0.000841	0.004815	0.001292	0.211787
Soletta	0.5	0.5	0.03	0.2	0.045	0.3	0.086603
T_C1	0.0396	0.05	0.054856	0.008248	0.067805	0.013109	0.749631
T_C1_F2	0.05522	0.131117	0.111996	0.010026	0.145211	0.020799	0.947398
T_C1_F3	0.05522	0.26855	0.118364	0.043009	0.163666	0.068626	0.792282
T_C2	0.036	0.0766	0.067722	0.012539	0.084946	0.019392	0.764236
T_C2_F2	0.0502	0.172442	0.158943	0.015622	0.193437	0.030099	1.000095
T_C2_F3	0.0502	0.334933	0.166566	0.0624	0.216001	0.096932	0.847254
T_C3	0.0288	0.083333	0.065616	0.01365	0.079675	0.020958	0.766045
T_C3_F2	0.04016	0.178917	0.170449	0.01673	0.201133	0.031593	1.026124
T_C3_F3	0.04016	0.341925	0.177726	0.063362	0.223733	0.098638	0.871308
TRASV	0.0128	0.02	0.010249	0.001601	0.01143	0.002447	0.338206

**Table: Frame Section Properties 01 - General, Part 4 of 7**

**Table: Frame Section Properties 01 - General, Part 4 of 7**

SectionName	R22 m	EccV2 m	ConcCol	ConcBeam	Color	TotalWt KN	TotalMass KN-s2/m
FRAME_LANE	0.1	0	No	No	8421631	0.014	0.001452
HE500B	0.072666		No	No	Yellow	68.067	6.94
Soletta	0.57735		Yes	No	Gray8Dark	0.036	0.003633
T_C1	0.19455		No	No	12615808	0	0

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**Table: Frame Section Properties 01 - General, Part 4 of 7**

SectionName	R22 m	EccV2 m	ConcCol	ConcBeam	Color	TotalWt KN	TotalMass KN-s2/m
T_C1_F2	0.148642		No	No	Yellow	0	0
T_C1_F3	0.228981		No	No	Magenta	852.367	86.92
T_C2	0.206608		No	No	White	0	0
T_C2_F2	0.163953		No	No	Blue	0	0
T_C2_F3	0.26517		No	No	White	847.029	86.37
T_C3	0.213831		No	No	Red	0	0
T_C3_F2	0.169328		No	No	Yellow	0	0
T_C3_F3	0.267377		No	No	Gray8Dark	655.572	66.85
TRASV	0.094528		No	No	12615680	220.697	22.5

**Table: Frame Section Properties 01 - General, Part 5 of 7**

**Table: Frame Section Properties 01 - General, Part 5 of 7**

SectionName	FromFile	AMod	A2Mod	A3Mod	JMod	I2Mod	I3Mod
FRAME_LANE	No	0.001	1	1	0.001	0.001	0.001
HE500B	Yes	1	1	1	1	1	1
Soletta	No	1	1	1	1	1	1
T_C1	No	1	1	1	1	1	1
T_C1_F2	No	1	1	1	1	1	1
T_C1_F3	No	1	1	1	1	1	1
T_C2	No	1	1	1	1	1	1
T_C2_F2	No	1	1	1	1	1	1
T_C2_F3	No	1	1	1	1	1	1
T_C3	No	1	1	1	1	1	1
T_C3_F2	No	1	1	1	1	1	1
T_C3_F3	No	1	1	1	1	1	1
TRASV	No	1	1	1	1	1	1

**Table: Frame Section Properties 01 - General, Part 6 of 7**

**Table: Frame Section Properties 01 - General, Part 6 of 7**

SectionName	MMod	WMod	SectInFile	FileName
FRAME_LANE	0.001	0.001		
HE500B	1	1	HE500B	c:\program files (x86)\computers and structures\sap2000 14\euro.pro
Soletta	1E-05	1E-05		
T_C1	1	1		
T_C1_F2	1	1		
T_C1_F3	1	1		
T_C2	1	1		
T_C2_F2	1	1		
T_C2_F3	1	1		
T_C3	1	1		
T_C3_F2	1	1		
T_C3_F3	1	1		
TRASV	1	1		

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**Table: Frame Section Properties 01 - General, Part 7 of 7**

Table: Frame Section Properties 01 - General, Part 7 of 7

SectionName	GUID	Notes
FRAME_LANE		Added 09/07/2013 11:11:32
HE500B		Imported 16/10/2014 18:23:07 from EURO.PRO
Soletta		Added 16/10/2014 18:27:32
T_C1		Added 09/07/2013 11:13:59
T_C1_F2		Added 09/07/2013 12:13:17
T_C1_F3		Added 16/10/2014 18:20:37
T_C2		Added 16/10/2014 18:17:04
T_C2_F2		Added 16/10/2014 18:18:04
T_C2_F3		Added 16/10/2014 18:20:56
T_C3		Added 19/11/2015 17:20:20
T_C3_F2		Added 19/11/2015 17:21:14
T_C3_F3		Added 19/11/2015 17:21:32
TRASV		Added 09/07/2013 11:08:19

**Table: Frame Section Properties 02 - Concrete Column, Part 1 of 2**

Table: Frame Section Properties 02 - Concrete Column, Part 1 of 2

SectionName	RebarMatL	RebarMatC	ReinfConfig	LatReinf	Cover m	NumBars3Dir	NumBars2Dir	BarSizeL
Soletta	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3	#9

**Table: Frame Section Properties 02 - Concrete Column, Part 2 of 2**

Table: Frame Section Properties 02 - Concrete Column, Part 2 of 2

SectionName	BarSizeC	SpacingC m	NumCBars2	NumCBars3	ReinfType
Soletta	#4	0.15	3	3	Design

**Table: Frame Section Properties 07 - Built Up I, Part 1 of 2**

Table: Frame Section Properties 07 - Built Up I, Part 1 of 2

SectionName	ItemType	ISection	FyTF	FyW	FyBF	Material	Width m
			KN/m2	KN/m2	KN/m2		
T_C1_F2	I Section	T_C1	344737.89	344737.89	344737.89		
T_C1_F2	Top Cover Plate					S355	0.314
T_C1_F3	I Section	T_C1	344737.89	344737.89	344737.89		
T_C1_F3	Top Cover Plate					S355	0.846
T_C2_F2	I Section	T_C2	344737.89	344737.89	344737.89		
T_C2_F2	Top Cover Plate					S355	0.371
T_C2_F3	I Section	T_C2	344737.89	344737.89	344737.89		
T_C2_F3	Top Cover Plate					S355	1
T_C3_F2	I Section	T_C3	344737.89	344737.89	344737.89		
T_C3_F2	Top Cover Plate					S355	0.37
T_C3_F3	I Section	T_C3	344737.89	344737.89	344737.89		
T_C3_F3	Top Cover Plate					S355	1.001

**Table: Frame Section Properties 07 - Built Up I, Part 2 of 2**

**Table: Frame Section Properties 07 - Built Up I, Part 2 of 2**

SectionName	Thick
	m
T_C1_F2	
T_C1_F2	0.31
T_C1_F3	
T_C1_F3	0.31
T_C2_F2	
T_C2_F2	0.31
T_C2_F3	
T_C2_F3	0.31
T_C3_F2	
T_C3_F2	0.31
T_C3_F3	
T_C3_F3	0.31

**Table: Frame Section Properties 13 - Time Dependent**

**Table: Frame Section Properties 13 - Time Dependent**

SectionName	TypeSize	AutoValSize	AutoSFSize	UserValSize
		m		m
FRAME_LANE	Auto			
HE500B	Auto	0	1	
Soletta	User	0.26087	1	0.1
T_C1	Auto	0.03662	1	
T_C2	Auto	0.04769	1	
T_C3	Auto	0.04817	1	
TRASV	Auto	0.03027	1	

**Table: Groups 1 - Definitions, Part 1 of 3**

**Table: Groups 1 - Definitions, Part 1 of 3**

GroupName	Selection	SectionCut	Steel	Concrete	Aluminum	ColdFormed	Stage
ALL	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TRASVERSI	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TR_SX	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TR_DX	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-1	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NODI_SPOST	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-3	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-4	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-5	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-6	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-7	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-8	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-9	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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**Table: Groups 1 - Definitions, Part 1 of 3**

GroupName	Selection	SectionCut	Steel	Concrete	Aluminum	ColdFormed	Stage
DXFIN-10	Yes	Yes	Yes	Yes	Yes	Yes	Yes
acciaio	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-11	Yes	Yes	Yes	Yes	Yes	Yes	Yes
soletta	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-12	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-13	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-14	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-15	Yes	Yes	Yes	Yes	Yes	Yes	Yes

**Table: Groups 1 - Definitions, Part 2 of 3**

**Table: Groups 1 - Definitions, Part 2 of 3**

GroupName	Bridge	AutoSei-smic	AutoWind	SelDesSteel	SelDesAlum	SelDesCold	MassWeight
ALL	Yes	No	No	No	No	No	Yes
DXFIN	Yes	No	No	No	No	No	Yes
TRASVERSI	Yes	No	No	No	No	No	Yes
TR_SX	Yes	No	No	No	No	No	Yes
TR_DX	Yes	No	No	No	No	No	Yes
DXFIN-1	Yes	No	No	No	No	No	Yes
NODI_SPOST	Yes	No	No	No	No	No	Yes
DXFIN-2	Yes	No	No	No	No	No	Yes
DXFIN-3	Yes	No	No	No	No	No	Yes
DXFIN-4	Yes	No	No	No	No	No	Yes
DXFIN-5	Yes	No	No	No	No	No	Yes
DXFIN-6	Yes	No	No	No	No	No	Yes
DXFIN-7	Yes	No	No	No	No	No	Yes
DXFIN-8	Yes	No	No	No	No	No	Yes
DXFIN-9	Yes	No	No	No	No	No	Yes
DXFIN-10	Yes	No	No	No	No	No	Yes
acciaio	Yes	No	No	No	No	No	Yes
DXFIN-11	Yes	No	No	No	No	No	Yes
soletta	Yes	No	No	No	No	No	Yes
DXFIN-12	Yes	No	No	No	No	No	Yes
DXFIN-13	Yes	No	No	No	No	No	Yes
DXFIN-14	Yes	No	No	No	No	No	Yes
DXFIN-15	Yes	No	No	No	No	No	Yes

**Table: Groups 1 - Definitions, Part 3 of 3**

**Table: Groups 1 - Definitions, Part 3 of 3**

GroupName	Color
ALL	Red
DXFIN	Black
TRASVERSI	Magenta
TR_SX	Yellow
TR_DX	White
DXFIN-1	Black



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**Table: Groups 1 - Definitions, Part 3 of 3**

GroupName	Color
NODI_SPOST	Green
DXFIN-2	Black
DXFIN-3	Black
DXFIN-4	Black
DXFIN-5	Black
DXFIN-6	Black
DXFIN-7	Black
DXFIN-8	Black
DXFIN-9	Black
DXFIN-10	Black
acciaio	Blue
DXFIN-11	Black
soletta	Green
DXFIN-12	Black
DXFIN-13	Black
DXFIN-14	Black
DXFIN-15	Black

**Table: Load Case Definitions, Part 1 of 3**

Table: Load Case Definitions, Part 1 of 3

Case	Type	InitialCond	ModalCase	BaseCase	MassSource	DesTypeOpt	DesignType
moving	LinMoving	Zero				Prog Det	Vehicle Live
moving-1	LinMoving	Zero				Prog Det	Vehicle Live
VENTO	LinStatic	Zero				Prog Det	Other
G2	LinStatic	Zero				Prog Det	Other
G1b	LinStatic	Zero				Prog Det	Dead
G1a	LinStatic	Zero				Prog Det	Dead
moving_fatica	LinMoving	Zero				Prog Det	Vehicle Live

**Table: Load Case Definitions, Part 2 of 3**

Table: Load Case Definitions, Part 2 of 3

Case	DesActOpt	DesignAct	AutoType	RunCase	CaseStatus	GUID
moving	Prog Det	Short-Term Composite	None	Yes	Finished	
moving-1	Prog Det	Short-Term Composite	None	Yes	Finished	
VENTO	Prog Det	Other	None	No	Not Run	
G2	Prog Det	Other	None	No	Not Run	
G1b	Prog Det	Non-Composite	None	No	Not Run	
G1a	Prog Det	Non-Composite	None	No	Not Run	
moving_fatica	Prog Det	Short-Term Composite	None	Yes	Finished	

**Table: Load Case Definitions, Part 3 of 3**

**Table: Load Case Definitions, Part 3 of 3**

Case	Notes
moving	
moving-1	
VENTO	
G2	
G1b	
G1a	
mo-	
ving_fatica	

**Table: Load Pattern Definitions**

**Table: Load Pattern Definitions**

LoadPat	DesignType	SelfWtMult	AutoLoad	GUID	Notes
G_travi	Dead	1			
G_pp_soletta	Dead	0			
g2_Perm_II	Other	0			
Mov_traf	Other	0			
Vento	Other	0			
termico_spos	Other	0			
Ritiro	Other	0			

**Table: Program Control, Part 1 of 2**

**Table: Program Control, Part 1 of 2**

Program-Name	Version	ProgLevel	LicenseNum	LicenseOS	LicenseSC	LicenseHT	CurrUnits
SAP2000	19.1.0	Advanced	2010*19YWF 52C6NTKGR	No	No	No	KN, m, C

**Table: Program Control, Part 2 of 2**

**Table: Program Control, Part 2 of 2**

SteelCode	ConcCode	AlumCode	ColdCode	RegenHinge
AISC-LRFD93	ACI 318-08/IBC2009	AA-ASD 2000	AISI-ASD96	Yes

## 1.2. Output

### 1.2.1 Output Fase 1

**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	
94	0	G1	Combination	0	-20.84	0	1.11E-16	0	
94	0.5	G1	Combination	0	1.483E-13	0	1.11E-16	0	
98	0	G1	Combination	0	0	0	-1.11E-16	0	
98	0.5	G1	Combination	0	20.84	0	-1.11E-16	0	
T1	0	G1	Combination	0	-1090.077	0	-0.1051	0	
T1	1	G1	Combination	0	-1048.397	0	-0.1051	0	
T2	0	G1	Combination	0	-1048.397	0	-0.1051	0	
T2	2	G1	Combination	0	-965.036	0	-0.1051	0	
T3	0	G1	Combination	0	-965.036	0	-0.1051	0	
T3	1	G1	Combination	0	-923.356	0	-0.1051	0	
T4	0	G1	Combination	0	-846.085	0	-0.0119	0	
T4	1	G1	Combination	0	-804.405	0	-0.0119	0	
T5	0	G1	Combination	0	-804.405	0	-0.0119	0	
T5	2	G1	Combination	0	-721.045	0	-0.0119	0	
T6	0	G1	Combination	0	-721.045	0	-0.0119	0	
T6	1	G1	Combination	0	-676.916	0	-0.0119	0	
T7	0	G1	Combination	0	-598.049	0	0.0044	0	
T7	1	G1	Combination	0	-553.92	0	0.0044	0	
T8	0	G1	Combination	0	-553.92	0	0.0044	0	
T8	2	G1	Combination	0	-465.663	0	0.0044	0	
T9	0	G1	Combination	0	-465.663	0	0.0044	0	
T9	1	G1	Combination	0	-421.535	0	0.0044	0	
T10	0	G1	Combination	0	-342.869	0	0.0272	0	
T10	1	G1	Combination	0	-298.741	0	0.0272	0	
T11	0	G1	Combination	0	-298.741	0	0.0272	0	
T11	0.2	G1	Combination	0	-289.915	0	0.0272	0	
T12	0	G1	Combination	0	-289.915	0	0.0272	0	
T12	1.8	G1	Combination	0	-210.299	0	0.0272	0	
T13	0	G1	Combination	0	-210.299	0	0.0272	0	
T13	1	G1	Combination	0	-166.068	0	0.0272	0	
T14	0	G1	Combination	0	-88.463	0	3.297E-13	0	
T14	1	G1	Combination	0	-44.231	0	3.297E-13	0	
T15	0	G1	Combination	0	-44.231	0	3.282E-13	0	
T15	1	G1	Combination	0	-2.325E-10	0	3.282E-13	0	
T16	0	G1	Combination	0	-2.183E-10	0	3.284E-13	0	
T16	1	G1	Combination	0	44.231	0	3.284E-13	0	
T17	0	G1	Combination	0	44.231	0	3.275E-13	0	
T17	1	G1	Combination	0	88.463	0	3.275E-13	0	
T18	0	G1	Combination	0	166.068	0	-0.0272	0	
T18	1	G1	Combination	0	210.299	0	-0.0272	0	
T19	0	G1	Combination	0	210.299	0	-0.0272	0	
T19	1.8	G1	Combination	0	289.915	0	-0.0272	0	
T20	0	G1	Combination	0	289.915	0	-0.0272	0	
T20	0.2	G1	Combination	0	298.741	0	-0.0272	0	

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

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
T21	0	G1	Combination	0	298.741	0	-0.0272	0
T21	1	G1	Combination	0	342.869	0	-0.0272	0
T22	0	G1	Combination	0	421.535	0	-0.0044	0
T22	1	G1	Combination	0	465.663	0	-0.0044	0
T23	0	G1	Combination	0	465.663	0	-0.0044	0
T23	2	G1	Combination	0	553.92	0	-0.0044	0
T24	0	G1	Combination	0	553.92	0	-0.0044	0
T24	1	G1	Combination	0	598.049	0	-0.0044	0
T25	0	G1	Combination	0	676.916	0	0.0119	0
T25	1	G1	Combination	0	721.045	0	0.0119	0
T26	0	G1	Combination	0	721.045	0	0.0119	0
T26	2	G1	Combination	0	804.405	0	0.0119	0
T27	0	G1	Combination	0	804.405	0	0.0119	0
T27	1	G1	Combination	0	846.085	0	0.0119	0
T28	0	G1	Combination	0	923.356	0	0.1051	0
T28	1	G1	Combination	0	965.036	0	0.1051	0
T29	0	G1	Combination	0	965.036	0	0.1051	0
T29	2	G1	Combination	0	1048.397	0	0.1051	0
T32	0	G1	Combination	0	1048.397	0	0.1051	0
T32	1	G1	Combination	0	1090.077	0	0.1051	0

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

Table: Element Forces - Frames, Part 2 of 2

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
94	0	G1	-5.21	94	0
94	0.5	G1	-3.346E-11	94	0.5
98	0	G1	0	98	0
98	0.5	G1	-5.21	98	0.5
T1	0	G1	-5.0992	T1	0
T1	1	G1	1064.1376	T1	1
T2	0	G1	1064.1376	T2	0
T2	2	G1	3077.5707	T2	2
T3	0	G1	3077.5707	T3	0
T3	1	G1	4021.767	T3	1
T4	0	G1	4021.8054	T4	0
T4	1	G1	4847.0505	T4	1
T5	0	G1	4847.0505	T5	0
T5	2	G1	6372.5001	T5	2
T6	0	G1	6372.5001	T6	0
T6	1	G1	7071.4805	T6	1
T7	0	G1	7071.5175	T7	0
T7	1	G1	7647.5021	T7	1
T8	0	G1	7647.5021	T8	0
T8	2	G1	8667.0857	T8	2
T9	0	G1	8667.0857	T9	0
T9	1	G1	9110.6846	T9	1
T10	0	G1	9110.7034	T10	0
T10	1	G1	9431.5085	T10	1
T11	0	G1	9431.5085	T11	0
T11	0.2	G1	9490.3741	T11	0.2

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

Frame	Station	OutputCase	M3	FrameElem	ElemStation
	m		KN-m		m
T12	0	G1	9490.3741	T12	0
T12	1.8	G1	9940.5667	T12	1.8
T13	0	G1	9940.5667	T13	0
T13	1	G1	10128.75	T13	1
T14	0	G1	10128.7572	T14	0
T14	1	G1	10195.1041	T14	1
T15	0	G1	10195.1041	T15	0
T15	1	G1	10217.2197	T15	1
T16	0	G1	10217.2197	T16	0
T16	1	G1	10195.1041	T16	1
T17	0	G1	10195.1041	T17	0
T17	1	G1	10128.7572	T17	1
T18	0	G1	10128.75	T18	0
T18	1	G1	9940.5667	T18	1
T19	0	G1	9940.5667	T19	0
T19	1.8	G1	9490.3741	T19	1.8
T20	0	G1	9490.3741	T20	0
T20	0.2	G1	9431.5085	T20	0.2
T21	0	G1	9431.5085	T21	0
T21	1	G1	9110.7034	T21	1
T22	0	G1	9110.6846	T22	0
T22	1	G1	8667.0857	T22	1
T23	0	G1	8667.0857	T23	0
T23	2	G1	7647.5021	T23	2
T24	0	G1	7647.5021	T24	0
T24	1	G1	7071.5175	T24	1
T25	0	G1	7071.4805	T25	0
T25	1	G1	6372.5001	T25	1
T26	0	G1	6372.5001	T26	0
T26	2	G1	4847.0505	T26	2
T27	0	G1	4847.0505	T27	0
T27	1	G1	4021.8054	T27	1
T28	0	G1	4021.767	T28	0
T28	1	G1	3077.5707	T28	1
T29	0	G1	3077.5707	T29	0
T29	2	G1	1064.1376	T29	2
T32	0	G1	1064.1376	T32	0
T32	1	G1	-5.0992	T32	1

### 1.2.2 Output Fase 2

**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
94	0	G2	LinStatic	0	-9.713	0	0.6987	0
94	0.5	G2	LinStatic	0	-1.588	0	0.6987	0
98	0	G2	LinStatic	0	1.588	0	-0.6987	0

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Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
98	0.5	G2	LinStatic	0	9.713	0	-0.6987	0
T1	0	G2	LinStatic	0	-389.303	0	-5.4547	0
T1	1	G2	LinStatic	0	-373.053	0	-5.4547	0
T2	0	G2	LinStatic	0	-369.707	0	-2.9475	0
T2	2	G2	LinStatic	0	-337.207	0	-2.9475	0
T3	0	G2	LinStatic	0	-333.578	0	-0.1887	0
T3	1	G2	LinStatic	0	-317.328	0	-0.1887	0
T4	0	G2	LinStatic	0	-301.767	0	-3.7717	0
T4	1	G2	LinStatic	0	-285.517	0	-3.7717	0
T5	0	G2	LinStatic	0	-281.837	0	-1.1212	0
T5	2	G2	LinStatic	0	-249.337	0	-1.1212	0
T6	0	G2	LinStatic	0	-245.56	0	1.6042	0
T6	1	G2	LinStatic	0	-229.31	0	1.6042	0
T7	0	G2	LinStatic	0	-213.269	0	-2.959	0
T7	1	G2	LinStatic	0	-197.019	0	-2.959	0
T8	0	G2	LinStatic	0	-193.232	0	-0.272	0
T8	2	G2	LinStatic	0	-160.732	0	-0.272	0
T9	0	G2	LinStatic	0	-156.964	0	2.354	0
T9	1	G2	LinStatic	0	-140.714	0	2.354	0
T10	0	G2	LinStatic	0	-124.716	0	-2.6715	0
T10	1	G2	LinStatic	0	-108.466	0	-2.6715	0
T11	0	G2	LinStatic	0	-104.646	0	0.0442	0
T11	0.2	G2	LinStatic	0	-101.396	0	0.0442	0
T12	0	G2	LinStatic	0	-101.396	0	0.0442	0
T12	1.8	G2	LinStatic	0	-72.146	0	0.0442	0
T13	0	G2	LinStatic	0	-68.375	0	2.6661	0
T13	1	G2	LinStatic	0	-52.125	0	2.6661	0
T14	0	G2	LinStatic	0	-36.244	0	-2.5722	0
T14	1	G2	LinStatic	0	-19.994	0	-2.5722	0
T15	0	G2	LinStatic	0	-16.25	0	5.684E-14	0
T15	1	G2	LinStatic	0	1.091E-11	0	5.684E-14	0
T16	0	G2	LinStatic	0	1.455E-11	0	7.105E-14	0
T16	1	G2	LinStatic	0	16.25	0	7.105E-14	0
T17	0	G2	LinStatic	0	19.994	0	2.5722	0
T17	1	G2	LinStatic	0	36.244	0	2.5722	0
T18	0	G2	LinStatic	0	52.125	0	-2.6661	0
T18	1	G2	LinStatic	0	68.375	0	-2.6661	0
T19	0	G2	LinStatic	0	72.146	0	-0.0442	0
T19	1.8	G2	LinStatic	0	101.396	0	-0.0442	0
T20	0	G2	LinStatic	0	101.396	0	-0.0442	0
T20	0.2	G2	LinStatic	0	104.646	0	-0.0442	0
T21	0	G2	LinStatic	0	108.466	0	2.6715	0
T21	1	G2	LinStatic	0	124.716	0	2.6715	0
T22	0	G2	LinStatic	0	140.714	0	-2.354	0
T22	1	G2	LinStatic	0	156.964	0	-2.354	0
T23	0	G2	LinStatic	0	160.732	0	0.272	0
T23	2	G2	LinStatic	0	193.232	0	0.272	0
T24	0	G2	LinStatic	0	197.019	0	2.959	0
T24	1	G2	LinStatic	0	213.269	0	2.959	0
T25	0	G2	LinStatic	0	229.31	0	-1.6042	0
T25	1	G2	LinStatic	0	245.56	0	-1.6042	0
T26	0	G2	LinStatic	0	249.337	0	1.1212	0
T26	2	G2	LinStatic	0	281.837	0	1.1212	0

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

Frame	Station m	OutputCase	CaseType	P KN	V2 KN	V3 KN	T KN-m	M2 KN-m
T27	0	G2	LinStatic	0	285.517	0	3.7717	0
T27	1	G2	LinStatic	0	301.767	0	3.7717	0
T28	0	G2	LinStatic	0	317.328	0	0.1887	0
T28	1	G2	LinStatic	0	333.578	0	0.1887	0
T29	0	G2	LinStatic	0	337.207	0	2.9475	0
T29	2	G2	LinStatic	0	369.707	0	2.9475	0
T32	0	G2	LinStatic	0	373.053	0	5.4547	0
T32	1	G2	LinStatic	0	389.303	0	5.4547	0

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

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

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
94	0	G2	1.0807	94	0
94	0.5	G2	3.9062	94	0.5
98	0	G2	3.9062	98	0
98	0.5	G2	1.0807	98	0.5
T1	0	G2	1.098	T1	0
T1	1	G2	382.2761	T1	1
T2	0	G2	386.7859	T2	0
T2	2	G2	1093.7	T2	2
T3	0	G2	1096.2409	T3	0
T3	1	G2	1421.6941	T3	1
T4	0	G2	1421.7057	T4	0
T4	1	G2	1715.348	T4	1
T5	0	G2	1718.5372	T5	0
T5	2	G2	2249.7113	T5	2
T6	0	G2	2251.5006	T6	0
T6	1	G2	2488.9352	T6	1
T7	0	G2	2488.9438	T7	0
T7	1	G2	2694.0882	T7	1
T8	0	G2	2696.543	T8	0
T8	2	G2	3050.5075	T8	2
T9	0	G2	3051.2948	T9	0
T9	1	G2	3200.1338	T9	1
T10	0	G2	3200.139	T10	0
T10	1	G2	3316.73	T10	1
T11	0	G2	3318.4861	T11	0
T11	0.2	G2	3339.0903	T11	0.2
T12	0	G2	3339.0903	T12	0
T12	1.8	G2	3495.2783	T12	1.8
T13	0	G2	3495.3472	T13	0
T13	1	G2	3555.5972	T13	1
T14	0	G2	3555.5992	T14	0
T14	1	G2	3583.7184	T14	1
T15	0	G2	3584.5805	T15	0
T15	1	G2	3592.7055	T15	1
T16	0	G2	3592.7055	T16	0
T16	1	G2	3584.5805	T16	1
T17	0	G2	3583.7184	T17	0
T17	1	G2	3555.5992	T17	1

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

Frame	Station m	OutputCase	M3 KN-m	FrameElem	ElemStation m
T18	0	G2	3555.5972	T18	0
T18	1	G2	3495.3472	T18	1
T19	0	G2	3495.2783	T19	0
T19	1.8	G2	3339.0903	T19	1.8
T20	0	G2	3339.0903	T20	0
T20	0.2	G2	3318.4861	T20	0.2
T21	0	G2	3316.73	T21	0
T21	1	G2	3200.139	T21	1
T22	0	G2	3200.1338	T22	0
T22	1	G2	3051.2948	T22	1
T23	0	G2	3050.5075	T23	0
T23	2	G2	2696.543	T23	2
T24	0	G2	2694.0882	T24	0
T24	1	G2	2488.9438	T24	1
T25	0	G2	2488.9352	T25	0
T25	1	G2	2251.5006	T25	1
T26	0	G2	2249.7113	T26	0
T26	2	G2	1718.5372	T26	2
T27	0	G2	1715.348	T27	0
T27	1	G2	1421.7057	T27	1
T28	0	G2	1421.6941	T28	0
T28	1	G2	1096.2409	T28	1
T29	0	G2	1093.7	T29	0
T29	2	G2	386.7859	T29	2
T32	0	G2	382.2761	T32	0
T32	1	G2	1.098	T32	1

### 1.2.3 Output Fase 3

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

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

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
94	0	moving	LinMoving	Max P	0	0	0	0
94	0.5	moving	LinMoving	Max P	0	0	0	0
94	0	moving	LinMoving	Min P	0	0	0	0
94	0.5	moving	LinMoving	Min P	0	0	0	0
94	0	moving	LinMoving	Max V2	0	2.09	0	14.6045
94	0.5	moving	LinMoving	Max V2	0	2.09	0	14.6045
94	0	moving	LinMoving	Min V2	0	-325.472	0	-224.3554
94	0.5	moving	LinMoving	Min V2	0	-325.472	0	-224.3554
94	0	moving	LinMoving	Max V3	0	0	0	0
94	0.5	moving	LinMoving	Max V3	0	0	0	0
94	0	moving	LinMoving	Min V3	0	0	0	0
94	0.5	moving	LinMoving	Min V3	0	0	0	0
94	0	moving	LinMoving	Max T	0	-7.409	0	36.5587
94	0.5	moving	LinMoving	Max T	0	-7.409	0	36.5587
94	0	moving	LinMoving	Min T	0	-320.165	0	-231.7605



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Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
94	0.5	moving	LinMoving	Min T	0	-320.165	0	-231.7605
94	0	moving	LinMoving	Max M2	0	0	0	0
94	0.5	moving	LinMoving	Max M2	0	0	0	0
94	0	moving	LinMoving	Min M2	0	0	0	0
94	0.5	moving	LinMoving	Min M2	0	0	0	0
94	0	moving	LinMoving	Max M3	0	-7.176	0	27.3312
94	0.5	moving	LinMoving	Max M3	0	-157.042	0	-73.5821
94	0	moving	LinMoving	Min M3	0	-316.328	0	-221.2765
94	0.5	moving	LinMoving	Min M3	0	-187.759	0	-150.5872
98	0	moving	LinMoving	Max P	0	0	0	0
98	0.5	moving	LinMoving	Max P	0	0	0	0
98	0	moving	LinMoving	Min P	0	0	0	0
98	0.5	moving	LinMoving	Min P	0	0	0	0
98	0	moving	LinMoving	Max V2	0	325.472	0	224.3552
98	0.5	moving	LinMoving	Max V2	0	325.472	0	224.3552
98	0	moving	LinMoving	Min V2	0	-2.09	0	-14.6045
98	0.5	moving	LinMoving	Min V2	0	-2.09	0	-14.6045
98	0	moving	LinMoving	Max V3	0	0	0	0
98	0.5	moving	LinMoving	Max V3	0	0	0	0
98	0	moving	LinMoving	Min V3	0	0	0	0
98	0.5	moving	LinMoving	Min V3	0	0	0	0
98	0	moving	LinMoving	Max T	0	320.165	0	231.7604
98	0.5	moving	LinMoving	Max T	0	320.165	0	231.7604
98	0	moving	LinMoving	Min T	0	7.409	0	-36.5586
98	0.5	moving	LinMoving	Min T	0	7.409	0	-36.5586
98	0	moving	LinMoving	Max M2	0	0	0	0
98	0.5	moving	LinMoving	Max M2	0	0	0	0
98	0	moving	LinMoving	Min M2	0	0	0	0
98	0.5	moving	LinMoving	Min M2	0	0	0	0
98	0	moving	LinMoving	Max M3	0	157.041	0	73.5758
98	0.5	moving	LinMoving	Max M3	0	7.176	0	-27.3353
98	0	moving	LinMoving	Min M3	0	187.76	0	150.5935
98	0.5	moving	LinMoving	Min M3	0	316.329	0	221.2764
T1	0	moving	LinMoving	Max P	0	0	0	0
T1	1	moving	LinMoving	Max P	0	0	0	0
T1	0	moving	LinMoving	Min P	0	0	0	0
T1	1	moving	LinMoving	Min P	0	0	0	0
T1	0	moving	LinMoving	Max V2	0	10.49	0	-5.3962
T1	1	moving	LinMoving	Max V2	0	10.49	0	-5.3962
T1	0	moving	LinMoving	Min V2	0	-1208.264	0	-189.5243
T1	1	moving	LinMoving	Min V2	0	-1208.264	0	-189.5243
T1	0	moving	LinMoving	Max V3	0	0	0	0
T1	1	moving	LinMoving	Max V3	0	0	0	0
T1	0	moving	LinMoving	Min V3	0	0	0	0
T1	1	moving	LinMoving	Min V3	0	0	0	0
T1	0	moving	LinMoving	Max T	0	-425.798	0	178.5834
T1	1	moving	LinMoving	Max T	0	-425.798	0	178.5834
T1	0	moving	LinMoving	Min T	0	-820.621	0	-250.2518
T1	1	moving	LinMoving	Min T	0	-820.621	0	-250.2518
T1	0	moving	LinMoving	Max M2	0	0	0	0
T1	1	moving	LinMoving	Max M2	0	0	0	0
T1	0	moving	LinMoving	Min M2	0	0	0	0
T1	1	moving	LinMoving	Min M2	0	0	0	0

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
T1	0	moving	LinMoving	Max M3	0	-719.882	0	-171.1673
T1	1	moving	LinMoving	Max M3	0	-1204.855	0	-195.1403
T1	0	moving	LinMoving	Min M3	0	-666.096	0	78.7903
T1	1	moving	LinMoving	Min M3	0	-14.046	0	105.8155
T2	0	moving	LinMoving	Max P	0	0	0	0
T2	2	moving	LinMoving	Max P	0	0	0	0
T2	0	moving	LinMoving	Min P	0	0	0	0
T2	2	moving	LinMoving	Min P	0	0	0	0
T2	0	moving	LinMoving	Max V2	0	10.455	0	-1.0516
T2	2	moving	LinMoving	Max V2	0	10.455	0	-1.0516
T2	0	moving	LinMoving	Min V2	0	-1128.505	0	-106.2779
T2	2	moving	LinMoving	Min V2	0	-1128.505	0	-106.2779
T2	0	moving	LinMoving	Max V3	0	0	0	0
T2	2	moving	LinMoving	Max V3	0	0	0	0
T2	0	moving	LinMoving	Min V3	0	0	0	0
T2	2	moving	LinMoving	Min V3	0	0	0	0
T2	0	moving	LinMoving	Max T	0	-388.24	0	270.2552
T2	2	moving	LinMoving	Max T	0	-388.24	0	270.2552
T2	0	moving	LinMoving	Min T	0	-747.649	0	-172.9727
T2	2	moving	LinMoving	Min T	0	-747.649	0	-172.9727
T2	0	moving	LinMoving	Max M2	0	0	0	0
T2	2	moving	LinMoving	Max M2	0	0	0	0
T2	0	moving	LinMoving	Min M2	0	0	0	0
T2	2	moving	LinMoving	Min M2	0	0	0	0
T2	0	moving	LinMoving	Max M3	0	-869.473	0	17.6923
T2	2	moving	LinMoving	Max M3	0	-1126.956	0	-106.1323
T2	0	moving	LinMoving	Min M3	0	-6.458	0	100.803
T2	2	moving	LinMoving	Min M3	0	-4.768	0	97.5435
T3	0	moving	LinMoving	Max P	0	0	0	0
T3	1	moving	LinMoving	Max P	0	0	0	0
T3	0	moving	LinMoving	Min P	0	0	0	0
T3	1	moving	LinMoving	Min P	0	0	0	0
T3	0	moving	LinMoving	Max V2	0	35.416	0	217.2006
T3	1	moving	LinMoving	Max V2	0	35.416	0	217.2006
T3	0	moving	LinMoving	Min V2	0	-1040.222	0	-49.6861
T3	1	moving	LinMoving	Min V2	0	-1040.222	0	-49.6861
T3	0	moving	LinMoving	Max V3	0	0	0	0
T3	1	moving	LinMoving	Max V3	0	0	0	0
T3	0	moving	LinMoving	Min V3	0	0	0	0
T3	1	moving	LinMoving	Min V3	0	0	0	0
T3	0	moving	LinMoving	Max T	0	-348.054	0	367.0284
T3	1	moving	LinMoving	Max T	0	-348.054	0	367.0284
T3	0	moving	LinMoving	Min T	0	-703.813	0	-140.8734
T3	1	moving	LinMoving	Min T	0	-703.813	0	-140.8734
T3	0	moving	LinMoving	Max M2	0	0	0	0
T3	1	moving	LinMoving	Max M2	0	0	0	0
T3	0	moving	LinMoving	Min M2	0	0	0	0
T3	1	moving	LinMoving	Min M2	0	0	0	0
T3	0	moving	LinMoving	Max M3	0	-792.765	0	106.149
T3	1	moving	LinMoving	Max M3	0	-1020.046	0	-32.075
T3	0	moving	LinMoving	Min M3	0	-3.959	0	86.3546
T3	1	moving	LinMoving	Min M3	0	-3.938	0	86.2038
T4	0	moving	LinMoving	Max P	0	0	0	0

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
T4	1	moving	LinMoving	Max P	0	0	0	0
T4	0	moving	LinMoving	Min P	0	0	0	0
T4	1	moving	LinMoving	Min P	0	0	0	0
T4	0	moving	LinMoving	Max V2	0	44.286	0	136.1135
T4	1	moving	LinMoving	Max V2	0	44.286	0	136.1135
T4	0	moving	LinMoving	Min V2	0	-1004.968	0	-200.6324
T4	1	moving	LinMoving	Min V2	0	-1004.968	0	-200.6324
T4	0	moving	LinMoving	Max V3	0	0	0	0
T4	1	moving	LinMoving	Max V3	0	0	0	0
T4	0	moving	LinMoving	Min V3	0	0	0	0
T4	1	moving	LinMoving	Min V3	0	0	0	0
T4	0	moving	LinMoving	Max T	0	-246.433	0	197.0629
T4	1	moving	LinMoving	Max T	0	-246.433	0	197.0629
T4	0	moving	LinMoving	Min T	0	-696.745	0	-267.4432
T4	1	moving	LinMoving	Min T	0	-696.745	0	-267.4432
T4	0	moving	LinMoving	Max M2	0	0	0	0
T4	1	moving	LinMoving	Max M2	0	0	0	0
T4	0	moving	LinMoving	Min M2	0	0	0	0
T4	1	moving	LinMoving	Min M2	0	0	0	0
T4	0	moving	LinMoving	Max M3	0	-922.422	0	-160.0388
T4	1	moving	LinMoving	Max M3	0	-974.879	0	-190.2548
T4	0	moving	LinMoving	Min M3	0	-0.843	0	30.8032
T4	1	moving	LinMoving	Min M3	0	-0.843	0	30.8073
T5	0	moving	LinMoving	Max P	0	0	0	0
T5	2	moving	LinMoving	Max P	0	0	0	0
T5	0	moving	LinMoving	Min P	0	0	0	0
T5	2	moving	LinMoving	Min P	0	0	0	0
T5	0	moving	LinMoving	Max V2	0	82.861	0	196.083
T5	2	moving	LinMoving	Max V2	0	82.861	0	196.083
T5	0	moving	LinMoving	Min V2	0	-926.478	0	-114.6365
T5	2	moving	LinMoving	Min V2	0	-926.478	0	-114.6365
T5	0	moving	LinMoving	Max V3	0	0	0	0
T5	2	moving	LinMoving	Max V3	0	0	0	0
T5	0	moving	LinMoving	Min V3	0	0	0	0
T5	2	moving	LinMoving	Min V3	0	0	0	0
T5	0	moving	LinMoving	Max T	0	-193.019	0	253.5638
T5	2	moving	LinMoving	Max T	0	-193.019	0	253.5638
T5	0	moving	LinMoving	Min T	0	-626.815	0	-182.8971
T5	2	moving	LinMoving	Min T	0	-626.815	0	-182.8971
T5	0	moving	LinMoving	Max M2	0	0	0	0
T5	2	moving	LinMoving	Max M2	0	0	0	0
T5	0	moving	LinMoving	Min M2	0	0	0	0
T5	2	moving	LinMoving	Min M2	0	0	0	0
T5	0	moving	LinMoving	Max M3	0	-632.415	0	44.6532
T5	2	moving	LinMoving	Max M3	0	-892.535	0	-97.0454
T5	0	moving	LinMoving	Min M3	0	-1.493	0	23.6348
T5	2	moving	LinMoving	Min M3	0	-1.492	0	23.6431
T6	0	moving	LinMoving	Max P	0	0	0	0
T6	1	moving	LinMoving	Max P	0	0	0	0
T6	0	moving	LinMoving	Min P	0	0	0	0
T6	1	moving	LinMoving	Min P	0	0	0	0
T6	0	moving	LinMoving	Max V2	0	121.773	0	296.2785
T6	1	moving	LinMoving	Max V2	0	121.773	0	296.2785

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
T6	0	moving	LinMoving	Min V2	0	-848.348	0	-70.7498
T6	1	moving	LinMoving	Min V2	0	-848.348	0	-70.7498
T6	0	moving	LinMoving	Max V3	0	0	0	0
T6	1	moving	LinMoving	Max V3	0	0	0	0
T6	0	moving	LinMoving	Min V3	0	0	0	0
T6	1	moving	LinMoving	Min V3	0	0	0	0
T6	0	moving	LinMoving	Max T	0	-158.947	0	362.8955
T6	1	moving	LinMoving	Max T	0	-158.947	0	362.8955
T6	0	moving	LinMoving	Min T	0	-586.406	0	-156.8755
T6	1	moving	LinMoving	Min T	0	-586.406	0	-156.8755
T6	0	moving	LinMoving	Max M2	0	0	0	0
T6	1	moving	LinMoving	Max M2	0	0	0	0
T6	0	moving	LinMoving	Min M2	0	0	0	0
T6	1	moving	LinMoving	Min M2	0	0	0	0
T6	0	moving	LinMoving	Max M3	0	-507.024	0	161.0216
T6	1	moving	LinMoving	Max M3	0	-709.194	0	25.7637
T6	0	moving	LinMoving	Min M3	0	-2.072	0	19.7137
T6	1	moving	LinMoving	Min M3	0	-2.072	0	19.7155
T7	0	moving	LinMoving	Max P	0	0	0	0
T7	1	moving	LinMoving	Max P	0	0	0	0
T7	0	moving	LinMoving	Min P	0	0	0	0
T7	1	moving	LinMoving	Min P	0	0	0	0
T7	0	moving	LinMoving	Max V2	0	143.552	0	156.1059
T7	1	moving	LinMoving	Max V2	0	143.552	0	156.1059
T7	0	moving	LinMoving	Min V2	0	-817.834	0	-228.2725
T7	1	moving	LinMoving	Min V2	0	-817.834	0	-228.2725
T7	0	moving	LinMoving	Max V3	0	0	0	0
T7	1	moving	LinMoving	Max V3	0	0	0	0
T7	0	moving	LinMoving	Min V3	0	0	0	0
T7	1	moving	LinMoving	Min V3	0	0	0	0
T7	0	moving	LinMoving	Max T	0	-64.222	0	207.5444
T7	1	moving	LinMoving	Max T	0	-64.222	0	207.5444
T7	0	moving	LinMoving	Min T	0	-607.908	0	-282.4801
T7	1	moving	LinMoving	Min T	0	-607.908	0	-282.4801
T7	0	moving	LinMoving	Max M2	0	0	0	0
T7	1	moving	LinMoving	Max M2	0	0	0	0
T7	0	moving	LinMoving	Min M2	0	0	0	0
T7	1	moving	LinMoving	Min M2	0	0	0	0
T7	0	moving	LinMoving	Max M3	0	-600.943	0	-105.969
T7	1	moving	LinMoving	Max M3	0	-728.085	0	-186.1914
T7	0	moving	LinMoving	Min M3	0	-3.258	0	4.9634
T7	1	moving	LinMoving	Min M3	0	-3.258	0	4.9637
T8	0	moving	LinMoving	Max P	0	0	0	0
T8	2	moving	LinMoving	Max P	0	0	0	0
T8	0	moving	LinMoving	Min P	0	0	0	0
T8	2	moving	LinMoving	Min P	0	0	0	0
T8	0	moving	LinMoving	Max V2	0	188.743	0	213.9281
T8	2	moving	LinMoving	Max V2	0	188.743	0	213.9281
T8	0	moving	LinMoving	Min V2	0	-747.267	0	-148.4716
T8	2	moving	LinMoving	Min V2	0	-747.267	0	-148.4716
T8	0	moving	LinMoving	Max V3	0	0	0	0
T8	2	moving	LinMoving	Max V3	0	0	0	0
T8	0	moving	LinMoving	Min V3	0	0	0	0

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Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
T8	2	moving	LinMoving	Min V3	0	0	0	0
T8	0	moving	LinMoving	Max T	0	-9.34	0	260.2921
T8	2	moving	LinMoving	Max T	0	-9.34	0	260.2921
T8	0	moving	LinMoving	Min T	0	-512.578	0	-204.0455
T8	2	moving	LinMoving	Min T	0	-512.578	0	-204.0455
T8	0	moving	LinMoving	Max M2	0	0	0	0
T8	2	moving	LinMoving	Max M2	0	0	0	0
T8	0	moving	LinMoving	Min M2	0	0	0	0
T8	2	moving	LinMoving	Min M2	0	0	0	0
T8	0	moving	LinMoving	Max M3	0	-337.341	0	90.3335
T8	2	moving	LinMoving	Max M3	0	-670.286	0	-111.5963
T8	0	moving	LinMoving	Min M3	0	-3.529	0	3.2598
T8	2	moving	LinMoving	Min M3	0	-3.529	0	3.2599
T9	0	moving	LinMoving	Max P	0	0	0	0
T9	1	moving	LinMoving	Max P	0	0	0	0
T9	0	moving	LinMoving	Min P	0	0	0	0
T9	1	moving	LinMoving	Min P	0	0	0	0
T9	0	moving	LinMoving	Max V2	0	232.054	0	298.2885
T9	1	moving	LinMoving	Max V2	0	232.054	0	298.2885
T9	0	moving	LinMoving	Min V2	0	-675.207	0	-97.2397
T9	1	moving	LinMoving	Min V2	0	-675.207	0	-97.2397
T9	0	moving	LinMoving	Max V3	0	0	0	0
T9	1	moving	LinMoving	Max V3	0	0	0	0
T9	0	moving	LinMoving	Min V3	0	0	0	0
T9	1	moving	LinMoving	Min V3	0	0	0	0
T9	0	moving	LinMoving	Max T	0	45.032	0	348.858
T9	1	moving	LinMoving	Max T	0	45.032	0	348.858
T9	0	moving	LinMoving	Min T	0	-471.224	0	-169.2279
T9	1	moving	LinMoving	Min T	0	-471.224	0	-169.2279
T9	0	moving	LinMoving	Max M2	0	0	0	0
T9	1	moving	LinMoving	Max M2	0	0	0	0
T9	0	moving	LinMoving	Min M2	0	0	0	0
T9	1	moving	LinMoving	Min M2	0	0	0	0
T9	0	moving	LinMoving	Max M3	0	-290.232	0	146.8872
T9	1	moving	LinMoving	Max M3	0	-460.873	0	32.1222
T9	0	moving	LinMoving	Min M3	0	-3.713	0	2.4372
T9	1	moving	LinMoving	Min M3	0	-3.713	0	2.4369
T10	0	moving	LinMoving	Max P	0	0	0	0
T10	1	moving	LinMoving	Max P	0	0	0	0
T10	0	moving	LinMoving	Min P	0	0	0	0
T10	1	moving	LinMoving	Min P	0	0	0	0
T10	0	moving	LinMoving	Max V2	0	254.816	0	151.9181
T10	1	moving	LinMoving	Max V2	0	254.816	0	151.9181
T10	0	moving	LinMoving	Min V2	0	-647.747	0	-251.1853
T10	1	moving	LinMoving	Min V2	0	-647.747	0	-251.1853
T10	0	moving	LinMoving	Max V3	0	0	0	0
T10	1	moving	LinMoving	Max V3	0	0	0	0
T10	0	moving	LinMoving	Min V3	0	0	0	0
T10	1	moving	LinMoving	Min V3	0	0	0	0
T10	0	moving	LinMoving	Max T	0	122.495	0	192.0916
T10	1	moving	LinMoving	Max T	0	122.495	0	192.0916
T10	0	moving	LinMoving	Min T	0	-489.589	0	-291.7088
T10	1	moving	LinMoving	Min T	0	-489.589	0	-291.7088

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

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

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
T10	0	moving	LinMoving	Max M2	0	0	0	0
T10	1	moving	LinMoving	Max M2	0	0	0	0
T10	0	moving	LinMoving	Min M2	0	0	0	0
T10	1	moving	LinMoving	Min M2	0	0	0	0
T10	0	moving	LinMoving	Max M3	0	-346.442	0	-92.843
T10	1	moving	LinMoving	Max M3	0	-495.774	0	-182.9493
T10	0	moving	LinMoving	Min M3	0	-4.452	0	0.0674
T10	1	moving	LinMoving	Min M3	0	-4.452	0	0.0673
T11	0	moving	LinMoving	Max P	0	0	0	0
T11	0.2	moving	LinMoving	Max P	0	0	0	0
T11	0	moving	LinMoving	Min P	0	0	0	0
T11	0.2	moving	LinMoving	Min P	0	0	0	0
T11	0	moving	LinMoving	Max V2	0	306.262	0	206.4922
T11	0.2	moving	LinMoving	Max V2	0	306.262	0	206.4922
T11	0	moving	LinMoving	Min V2	0	-584.147	0	-170.8037
T11	0.2	moving	LinMoving	Min V2	0	-584.147	0	-170.8037
T11	0	moving	LinMoving	Max V3	0	0	0	0
T11	0.2	moving	LinMoving	Max V3	0	0	0	0
T11	0	moving	LinMoving	Min V3	0	0	0	0
T11	0.2	moving	LinMoving	Min V3	0	0	0	0
T11	0	moving	LinMoving	Max T	0	176.211	0	238.7228
T11	0.2	moving	LinMoving	Max T	0	176.211	0	238.7228
T11	0	moving	LinMoving	Min T	0	-400.968	0	-207.7311
T11	0.2	moving	LinMoving	Min T	0	-400.968	0	-207.7311
T11	0	moving	LinMoving	Max M2	0	0	0	0
T11	0.2	moving	LinMoving	Max M2	0	0	0	0
T11	0	moving	LinMoving	Min M2	0	0	0	0
T11	0.2	moving	LinMoving	Min M2	0	0	0	0
T11	0	moving	LinMoving	Max M3	0	-114.58	0	85.1783
T11	0.2	moving	LinMoving	Max M3	0	-121.079	0	78.1213
T11	0	moving	LinMoving	Min M3	0	-4.524	0	-0.0954
T11	0.2	moving	LinMoving	Min M3	0	-4.524	0	-0.0954
T12	0	moving	LinMoving	Max P	0	0	0	0
T12	1.8	moving	LinMoving	Max P	0	0	0	0
T12	0	moving	LinMoving	Min P	0	0	0	0
T12	1.8	moving	LinMoving	Min P	0	0	0	0
T12	0	moving	LinMoving	Max V2	0	306.262	0	206.4922
T12	1.8	moving	LinMoving	Max V2	0	306.262	0	206.4922
T12	0	moving	LinMoving	Min V2	0	-584.147	0	-170.8037
T12	1.8	moving	LinMoving	Min V2	0	-584.147	0	-170.8037
T12	0	moving	LinMoving	Max V3	0	0	0	0
T12	1.8	moving	LinMoving	Max V3	0	0	0	0
T12	0	moving	LinMoving	Min V3	0	0	0	0
T12	1.8	moving	LinMoving	Min V3	0	0	0	0
T12	0	moving	LinMoving	Max T	0	176.211	0	238.7228
T12	1.8	moving	LinMoving	Max T	0	176.211	0	238.7228
T12	0	moving	LinMoving	Min T	0	-400.968	0	-207.7311
T12	1.8	moving	LinMoving	Min T	0	-400.968	0	-207.7311
T12	0	moving	LinMoving	Max M2	0	0	0	0
T12	1.8	moving	LinMoving	Max M2	0	0	0	0
T12	0	moving	LinMoving	Min M2	0	0	0	0
T12	1.8	moving	LinMoving	Min M2	0	0	0	0
T12	0	moving	LinMoving	Max M3	0	-121.079	0	78.1213

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
T12	1.8	moving	LinMoving	Max M3	0	-446.244	0	-122.2277
T12	0	moving	LinMoving	Min M3	0	-4.524	0	-0.0954
T12	1.8	moving	LinMoving	Min M3	0	-4.524	0	-0.0955
T13	0	moving	LinMoving	Max P	0	0	0	0
T13	1	moving	LinMoving	Max P	0	0	0	0
T13	0	moving	LinMoving	Min P	0	0	0	0
T13	1	moving	LinMoving	Min P	0	0	0	0
T13	0	moving	LinMoving	Max V2	0	356.142	0	288.9736
T13	1	moving	LinMoving	Max V2	0	356.142	0	288.9736
T13	0	moving	LinMoving	Min V2	0	-519.279	0	-119.0247
T13	1	moving	LinMoving	Min V2	0	-519.279	0	-119.0247
T13	0	moving	LinMoving	Max V3	0	0	0	0
T13	1	moving	LinMoving	Max V3	0	0	0	0
T13	0	moving	LinMoving	Min V3	0	0	0	0
T13	1	moving	LinMoving	Min V3	0	0	0	0
T13	0	moving	LinMoving	Max T	0	216.925	0	326.4886
T13	1	moving	LinMoving	Max T	0	216.925	0	326.4886
T13	0	moving	LinMoving	Min T	0	-360.518	0	-173.2549
T13	1	moving	LinMoving	Min T	0	-360.518	0	-173.2549
T13	0	moving	LinMoving	Max M2	0	0	0	0
T13	1	moving	LinMoving	Max M2	0	0	0	0
T13	0	moving	LinMoving	Min M2	0	0	0	0
T13	1	moving	LinMoving	Min M2	0	0	0	0
T13	0	moving	LinMoving	Max M3	0	-5.485	0	176.6308
T13	1	moving	LinMoving	Max M3	0	-183.604	0	57.6445
T13	0	moving	LinMoving	Min M3	0	-4.595	0	-0.0541
T13	1	moving	LinMoving	Min M3	0	-4.595	0	-0.0542
T14	0	moving	LinMoving	Max P	0	0	0	0
T14	1	moving	LinMoving	Max P	0	0	0	0
T14	0	moving	LinMoving	Min P	0	0	0	0
T14	1	moving	LinMoving	Min P	0	0	0	0
T14	0	moving	LinMoving	Max V2	0	379.739	0	138.4136
T14	1	moving	LinMoving	Max V2	0	379.739	0	138.4136
T14	0	moving	LinMoving	Min V2	0	-494.261	0	-272.2697
T14	1	moving	LinMoving	Min V2	0	-494.261	0	-272.2697
T14	0	moving	LinMoving	Max V3	0	0	0	0
T14	1	moving	LinMoving	Max V3	0	0	0	0
T14	0	moving	LinMoving	Min V3	0	0	0	0
T14	1	moving	LinMoving	Min V3	0	0	0	0
T14	0	moving	LinMoving	Max T	0	248.97	0	180.6549
T14	1	moving	LinMoving	Max T	0	248.97	0	180.6549
T14	0	moving	LinMoving	Min T	0	-398.851	0	-305.0564
T14	1	moving	LinMoving	Min T	0	-398.851	0	-305.0564
T14	0	moving	LinMoving	Max M2	0	0	0	0
T14	1	moving	LinMoving	Max M2	0	0	0	0
T14	0	moving	LinMoving	Min M2	0	0	0	0
T14	1	moving	LinMoving	Min M2	0	0	0	0
T14	0	moving	LinMoving	Max M3	0	-67.02	0	-65.8712
T14	1	moving	LinMoving	Max M3	0	-233.154	0	-173.83
T14	0	moving	LinMoving	Min M3	0	-5.338	0	0.7742
T14	1	moving	LinMoving	Min M3	0	-5.338	0	0.7742
T15	0	moving	LinMoving	Max P	0	0	0	0
T15	1	moving	LinMoving	Max P	0	0	0	0

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Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
T15	0	moving	LinMoving	Min P	0	0	0	0
T15	1	moving	LinMoving	Min P	0	0	0	0
T15	0	moving	LinMoving	Max V2	0	437.817	0	191.3498
T15	1	moving	LinMoving	Max V2	0	437.817	0	191.3498
T15	0	moving	LinMoving	Min V2	0	-437.818	0	-191.3506
T15	1	moving	LinMoving	Min V2	0	-437.818	0	-191.3506
T15	0	moving	LinMoving	Max V3	0	0	0	0
T15	1	moving	LinMoving	Max V3	0	0	0	0
T15	0	moving	LinMoving	Min V3	0	0	0	0
T15	1	moving	LinMoving	Min V3	0	0	0	0
T15	0	moving	LinMoving	Max T	0	342.537	0	217.2443
T15	1	moving	LinMoving	Max T	0	342.537	0	217.2443
T15	0	moving	LinMoving	Min T	0	-342.538	0	-217.2451
T15	1	moving	LinMoving	Min T	0	-342.538	0	-217.2451
T15	0	moving	LinMoving	Max M2	0	0	0	0
T15	1	moving	LinMoving	Max M2	0	0	0	0
T15	0	moving	LinMoving	Min M2	0	0	0	0
T15	1	moving	LinMoving	Min M2	0	0	0	0
T15	0	moving	LinMoving	Max M3	0	192.142	0	119.2509
T15	1	moving	LinMoving	Max M3	0	14.741	0	7.2837
T15	0	moving	LinMoving	Min M3	0	-5.396	0	0.9657
T15	1	moving	LinMoving	Min M3	0	-5.396	0	0.9657
T16	0	moving	LinMoving	Max P	0	0	0	0
T16	1	moving	LinMoving	Max P	0	0	0	0
T16	0	moving	LinMoving	Min P	0	0	0	0
T16	1	moving	LinMoving	Min P	0	0	0	0
T16	0	moving	LinMoving	Max V2	0	437.817	0	191.3498
T16	1	moving	LinMoving	Max V2	0	437.817	0	191.3498
T16	0	moving	LinMoving	Min V2	0	-437.818	0	-191.3506
T16	1	moving	LinMoving	Min V2	0	-437.818	0	-191.3506
T16	0	moving	LinMoving	Max V3	0	0	0	0
T16	1	moving	LinMoving	Max V3	0	0	0	0
T16	0	moving	LinMoving	Min V3	0	0	0	0
T16	1	moving	LinMoving	Min V3	0	0	0	0
T16	0	moving	LinMoving	Max T	0	342.537	0	217.2443
T16	1	moving	LinMoving	Max T	0	342.537	0	217.2443
T16	0	moving	LinMoving	Min T	0	-342.538	0	-217.2451
T16	1	moving	LinMoving	Min T	0	-342.538	0	-217.2451
T16	0	moving	LinMoving	Max M2	0	0	0	0
T16	1	moving	LinMoving	Max M2	0	0	0	0
T16	0	moving	LinMoving	Min M2	0	0	0	0
T16	1	moving	LinMoving	Min M2	0	0	0	0
T16	0	moving	LinMoving	Max M3	0	-19.107	0	-12.2606
T16	1	moving	LinMoving	Max M3	0	-192.143	0	-119.2525
T16	0	moving	LinMoving	Min M3	0	-5.396	0	0.9657
T16	1	moving	LinMoving	Min M3	0	5.396	0	-0.9657
T17	0	moving	LinMoving	Max P	0	0	0	0
T17	1	moving	LinMoving	Max P	0	0	0	0
T17	0	moving	LinMoving	Min P	0	0	0	0
T17	1	moving	LinMoving	Min P	0	0	0	0
T17	0	moving	LinMoving	Max V2	0	494.242	0	272.2864
T17	1	moving	LinMoving	Max V2	0	494.242	0	272.2864
T17	0	moving	LinMoving	Min V2	0	-379.71	0	-138.4643



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Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
T17	1	moving	LinMoving	Min V2	0	-379.71	0	-138.4643
T17	0	moving	LinMoving	Max V3	0	0	0	0
T17	1	moving	LinMoving	Max V3	0	0	0	0
T17	0	moving	LinMoving	Min V3	0	0	0	0
T17	1	moving	LinMoving	Min V3	0	0	0	0
T17	0	moving	LinMoving	Max T	0	398.885	0	305.0431
T17	1	moving	LinMoving	Max T	0	398.885	0	305.0431
T17	0	moving	LinMoving	Min T	0	-248.996	0	-180.6638
T17	1	moving	LinMoving	Min T	0	-248.996	0	-180.6638
T17	0	moving	LinMoving	Max M2	0	0	0	0
T17	1	moving	LinMoving	Max M2	0	0	0	0
T17	0	moving	LinMoving	Min M2	0	0	0	0
T17	1	moving	LinMoving	Min M2	0	0	0	0
T17	0	moving	LinMoving	Max M3	0	233.152	0	173.8283
T17	1	moving	LinMoving	Max M3	0	67.018	0	65.8695
T17	0	moving	LinMoving	Min M3	0	5.338	0	-0.7742
T17	1	moving	LinMoving	Min M3	0	5.338	0	-0.7742
T18	0	moving	LinMoving	Max P	0	0	0	0
T18	1	moving	LinMoving	Max P	0	0	0	0
T18	0	moving	LinMoving	Min P	0	0	0	0
T18	1	moving	LinMoving	Min P	0	0	0	0
T18	0	moving	LinMoving	Max V2	0	519.261	0	119.0362
T18	1	moving	LinMoving	Max V2	0	519.261	0	119.0362
T18	0	moving	LinMoving	Min V2	0	-356.145	0	-289.1591
T18	1	moving	LinMoving	Min V2	0	-356.145	0	-289.1591
T18	0	moving	LinMoving	Max V3	0	0	0	0
T18	1	moving	LinMoving	Max V3	0	0	0	0
T18	0	moving	LinMoving	Min V3	0	0	0	0
T18	1	moving	LinMoving	Min V3	0	0	0	0
T18	0	moving	LinMoving	Max T	0	360.546	0	173.2389
T18	1	moving	LinMoving	Max T	0	360.546	0	173.2389
T18	0	moving	LinMoving	Min T	0	-231.934	0	-326.5388
T18	1	moving	LinMoving	Min T	0	-231.934	0	-326.5388
T18	0	moving	LinMoving	Max M2	0	0	0	0
T18	1	moving	LinMoving	Max M2	0	0	0	0
T18	0	moving	LinMoving	Min M2	0	0	0	0
T18	1	moving	LinMoving	Min M2	0	0	0	0
T18	0	moving	LinMoving	Max M3	0	183.603	0	-57.6459
T18	1	moving	LinMoving	Max M3	0	16.35	0	-170.8719
T18	0	moving	LinMoving	Min M3	0	4.595	0	0.0542
T18	1	moving	LinMoving	Min M3	0	4.595	0	0.0541
T19	0	moving	LinMoving	Max P	0	0	0	0
T19	1.8	moving	LinMoving	Max P	0	0	0	0
T19	0	moving	LinMoving	Min P	0	0	0	0
T19	1.8	moving	LinMoving	Min P	0	0	0	0
T19	0	moving	LinMoving	Max V2	0	584.228	0	170.8164
T19	1.8	moving	LinMoving	Max V2	0	584.228	0	170.8164
T19	0	moving	LinMoving	Min V2	0	-306.342	0	-206.5048
T19	1.8	moving	LinMoving	Min V2	0	-306.342	0	-206.5048
T19	0	moving	LinMoving	Max V3	0	0	0	0
T19	1.8	moving	LinMoving	Max V3	0	0	0	0
T19	0	moving	LinMoving	Min V3	0	0	0	0
T19	1.8	moving	LinMoving	Min V3	0	0	0	0

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Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
T19	0	moving	LinMoving	Max T	0	400.963	0	207.7531
T19	1.8	moving	LinMoving	Max T	0	400.963	0	207.7531
T19	0	moving	LinMoving	Min T	0	-176.24	0	-238.7662
T19	1.8	moving	LinMoving	Min T	0	-176.24	0	-238.7662
T19	0	moving	LinMoving	Max M2	0	0	0	0
T19	1.8	moving	LinMoving	Max M2	0	0	0	0
T19	0	moving	LinMoving	Min M2	0	0	0	0
T19	1.8	moving	LinMoving	Min M2	0	0	0	0
T19	0	moving	LinMoving	Max M3	0	412.041	0	107.2257
T19	1.8	moving	LinMoving	Max M3	0	120.3	0	-78.5367
T19	0	moving	LinMoving	Min M3	0	4.524	0	0.0955
T19	1.8	moving	LinMoving	Min M3	0	4.524	0	0.0954
T20	0	moving	LinMoving	Max P	0	0	0	0
T20	0.2	moving	LinMoving	Max P	0	0	0	0
T20	0	moving	LinMoving	Min P	0	0	0	0
T20	0.2	moving	LinMoving	Min P	0	0	0	0
T20	0	moving	LinMoving	Max V2	0	584.228	0	170.8164
T20	0.2	moving	LinMoving	Max V2	0	584.228	0	170.8164
T20	0	moving	LinMoving	Min V2	0	-306.342	0	-206.5048
T20	0.2	moving	LinMoving	Min V2	0	-306.342	0	-206.5048
T20	0	moving	LinMoving	Max V3	0	0	0	0
T20	0.2	moving	LinMoving	Max V3	0	0	0	0
T20	0	moving	LinMoving	Min V3	0	0	0	0
T20	0.2	moving	LinMoving	Min V3	0	0	0	0
T20	0	moving	LinMoving	Max T	0	400.963	0	207.7531
T20	0.2	moving	LinMoving	Max T	0	400.963	0	207.7531
T20	0	moving	LinMoving	Min T	0	-176.24	0	-238.7662
T20	0.2	moving	LinMoving	Min T	0	-176.24	0	-238.7662
T20	0	moving	LinMoving	Max M2	0	0	0	0
T20	0.2	moving	LinMoving	Max M2	0	0	0	0
T20	0	moving	LinMoving	Min M2	0	0	0	0
T20	0.2	moving	LinMoving	Min M2	0	0	0	0
T20	0	moving	LinMoving	Max M3	0	120.3	0	-78.5367
T20	0.2	moving	LinMoving	Max M3	0	81.003	0	-103.689
T20	0	moving	LinMoving	Min M3	0	4.524	0	0.0954
T20	0.2	moving	LinMoving	Min M3	0	4.524	0	0.0954
T21	0	moving	LinMoving	Max P	0	0	0	0
T21	1	moving	LinMoving	Max P	0	0	0	0
T21	0	moving	LinMoving	Min P	0	0	0	0
T21	1	moving	LinMoving	Min P	0	0	0	0
T21	0	moving	LinMoving	Max V2	0	647.748	0	251.3815
T21	1	moving	LinMoving	Max V2	0	647.748	0	251.3815
T21	0	moving	LinMoving	Min V2	0	-254.795	0	-151.9391
T21	1	moving	LinMoving	Min V2	0	-254.795	0	-151.9391
T21	0	moving	LinMoving	Max V3	0	0	0	0
T21	1	moving	LinMoving	Max V3	0	0	0	0
T21	0	moving	LinMoving	Min V3	0	0	0	0
T21	1	moving	LinMoving	Min V3	0	0	0	0
T21	0	moving	LinMoving	Max T	0	504.624	0	291.7587
T21	1	moving	LinMoving	Max T	0	504.624	0	291.7587
T21	0	moving	LinMoving	Min T	0	-122.514	0	-192.0804
T21	1	moving	LinMoving	Min T	0	-122.514	0	-192.0804
T21	0	moving	LinMoving	Max M2	0	0	0	0

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Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
T21	1	moving	LinMoving	Max M2	0	0	0	0
T21	0	moving	LinMoving	Min M2	0	0	0	0
T21	1	moving	LinMoving	Min M2	0	0	0	0
T21	0	moving	LinMoving	Max M3	0	495.744	0	182.8038
T21	1	moving	LinMoving	Max M3	0	346.444	0	92.8451
T21	0	moving	LinMoving	Min M3	0	4.452	0	-0.0673
T21	1	moving	LinMoving	Min M3	0	4.452	0	-0.0674
T22	0	moving	LinMoving	Max P	0	0	0	0
T22	1	moving	LinMoving	Max P	0	0	0	0
T22	0	moving	LinMoving	Min P	0	0	0	0
T22	1	moving	LinMoving	Min P	0	0	0	0
T22	0	moving	LinMoving	Max V2	0	675.177	0	97.3128
T22	1	moving	LinMoving	Max V2	0	675.177	0	97.3128
T22	0	moving	LinMoving	Min V2	0	-232.035	0	-298.3272
T22	1	moving	LinMoving	Min V2	0	-232.035	0	-298.3272
T22	0	moving	LinMoving	Max V3	0	0	0	0
T22	1	moving	LinMoving	Max V3	0	0	0	0
T22	0	moving	LinMoving	Min V3	0	0	0	0
T22	1	moving	LinMoving	Min V3	0	0	0	0
T22	0	moving	LinMoving	Max T	0	471.25	0	169.2329
T22	1	moving	LinMoving	Max T	0	471.25	0	169.2329
T22	0	moving	LinMoving	Min T	0	-45.066	0	-348.8406
T22	1	moving	LinMoving	Min T	0	-45.066	0	-348.8406
T22	0	moving	LinMoving	Max M2	0	0	0	0
T22	1	moving	LinMoving	Max M2	0	0	0	0
T22	0	moving	LinMoving	Min M2	0	0	0	0
T22	1	moving	LinMoving	Min M2	0	0	0	0
T22	0	moving	LinMoving	Max M3	0	460.875	0	-32.1204
T22	1	moving	LinMoving	Max M3	0	290.233	0	-146.8853
T22	0	moving	LinMoving	Min M3	0	3.713	0	-2.4369
T22	1	moving	LinMoving	Min M3	0	3.713	0	-2.4372
T23	0	moving	LinMoving	Max P	0	0	0	0
T23	2	moving	LinMoving	Max P	0	0	0	0
T23	0	moving	LinMoving	Min P	0	0	0	0
T23	2	moving	LinMoving	Min P	0	0	0	0
T23	0	moving	LinMoving	Max V2	0	747.268	0	148.4735
T23	2	moving	LinMoving	Max V2	0	747.268	0	148.4735
T23	0	moving	LinMoving	Min V2	0	-188.743	0	-213.9289
T23	2	moving	LinMoving	Min V2	0	-188.743	0	-213.9289
T23	0	moving	LinMoving	Max V3	0	0	0	0
T23	2	moving	LinMoving	Max V3	0	0	0	0
T23	0	moving	LinMoving	Min V3	0	0	0	0
T23	2	moving	LinMoving	Min V3	0	0	0	0
T23	0	moving	LinMoving	Max T	0	512.579	0	204.0458
T23	2	moving	LinMoving	Max T	0	512.579	0	204.0458
T23	0	moving	LinMoving	Min T	0	9.34	0	-260.2918
T23	2	moving	LinMoving	Min T	0	9.34	0	-260.2918
T23	0	moving	LinMoving	Max M2	0	0	0	0
T23	2	moving	LinMoving	Max M2	0	0	0	0
T23	0	moving	LinMoving	Min M2	0	0	0	0
T23	2	moving	LinMoving	Min M2	0	0	0	0
T23	0	moving	LinMoving	Max M3	0	670.287	0	111.5974
T23	2	moving	LinMoving	Max M3	0	337.342	0	-90.3324

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Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
T23	0	moving	LinMoving	Min M3	0	3.529	0	-3.2599
T23	2	moving	LinMoving	Min M3	0	3.529	0	-3.2598
T24	0	moving	LinMoving	Max P	0	0	0	0
T24	1	moving	LinMoving	Max P	0	0	0	0
T24	0	moving	LinMoving	Min P	0	0	0	0
T24	1	moving	LinMoving	Min P	0	0	0	0
T24	0	moving	LinMoving	Max V2	0	817.835	0	228.2726
T24	1	moving	LinMoving	Max V2	0	817.835	0	228.2726
T24	0	moving	LinMoving	Min V2	0	-143.552	0	-156.1054
T24	1	moving	LinMoving	Min V2	0	-143.552	0	-156.1054
T24	0	moving	LinMoving	Max V3	0	0	0	0
T24	1	moving	LinMoving	Max V3	0	0	0	0
T24	0	moving	LinMoving	Min V3	0	0	0	0
T24	1	moving	LinMoving	Min V3	0	0	0	0
T24	0	moving	LinMoving	Max T	0	607.908	0	282.4805
T24	1	moving	LinMoving	Max T	0	607.908	0	282.4805
T24	0	moving	LinMoving	Min T	0	64.222	0	-207.5443
T24	1	moving	LinMoving	Min T	0	64.222	0	-207.5443
T24	0	moving	LinMoving	Max M2	0	0	0	0
T24	1	moving	LinMoving	Max M2	0	0	0	0
T24	0	moving	LinMoving	Min M2	0	0	0	0
T24	1	moving	LinMoving	Min M2	0	0	0	0
T24	0	moving	LinMoving	Max M3	0	728.086	0	186.192
T24	1	moving	LinMoving	Max M3	0	600.944	0	105.9696
T24	0	moving	LinMoving	Min M3	0	3.258	0	-4.9637
T24	1	moving	LinMoving	Min M3	0	3.258	0	-4.9634
T25	0	moving	LinMoving	Max P	0	0	0	0
T25	1	moving	LinMoving	Max P	0	0	0	0
T25	0	moving	LinMoving	Min P	0	0	0	0
T25	1	moving	LinMoving	Min P	0	0	0	0
T25	0	moving	LinMoving	Max V2	0	848.348	0	70.7495
T25	1	moving	LinMoving	Max V2	0	848.348	0	70.7495
T25	0	moving	LinMoving	Min V2	0	-121.773	0	-296.2784
T25	1	moving	LinMoving	Min V2	0	-121.773	0	-296.2784
T25	0	moving	LinMoving	Max V3	0	0	0	0
T25	1	moving	LinMoving	Max V3	0	0	0	0
T25	0	moving	LinMoving	Min V3	0	0	0	0
T25	1	moving	LinMoving	Min V3	0	0	0	0
T25	0	moving	LinMoving	Max T	0	586.406	0	156.8756
T25	1	moving	LinMoving	Max T	0	586.406	0	156.8756
T25	0	moving	LinMoving	Min T	0	158.947	0	-362.8959
T25	1	moving	LinMoving	Min T	0	158.947	0	-362.8959
T25	0	moving	LinMoving	Max M2	0	0	0	0
T25	1	moving	LinMoving	Max M2	0	0	0	0
T25	0	moving	LinMoving	Min M2	0	0	0	0
T25	1	moving	LinMoving	Min M2	0	0	0	0
T25	0	moving	LinMoving	Max M3	0	709.194	0	-25.764
T25	1	moving	LinMoving	Max M3	0	507.024	0	-161.0219
T25	0	moving	LinMoving	Min M3	0	2.072	0	-19.7155
T25	1	moving	LinMoving	Min M3	0	2.072	0	-19.7137
T26	0	moving	LinMoving	Max P	0	0	0	0
T26	2	moving	LinMoving	Max P	0	0	0	0
T26	0	moving	LinMoving	Min P	0	0	0	0

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Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
T26	2	moving	LinMoving	Min P	0	0	0	0
T26	0	moving	LinMoving	Max V2	0	926.491	0	114.6369
T26	2	moving	LinMoving	Max V2	0	926.491	0	114.6369
T26	0	moving	LinMoving	Min V2	0	-82.874	0	-196.0839
T26	2	moving	LinMoving	Min V2	0	-82.874	0	-196.0839
T26	0	moving	LinMoving	Max V3	0	0	0	0
T26	2	moving	LinMoving	Max V3	0	0	0	0
T26	0	moving	LinMoving	Min V3	0	0	0	0
T26	2	moving	LinMoving	Min V3	0	0	0	0
T26	0	moving	LinMoving	Max T	0	626.794	0	182.9099
T26	2	moving	LinMoving	Max T	0	626.794	0	182.9099
T26	0	moving	LinMoving	Min T	0	193.041	0	-253.5771
T26	2	moving	LinMoving	Min T	0	193.041	0	-253.5771
T26	0	moving	LinMoving	Max M2	0	0	0	0
T26	2	moving	LinMoving	Max M2	0	0	0	0
T26	0	moving	LinMoving	Min M2	0	0	0	0
T26	2	moving	LinMoving	Min M2	0	0	0	0
T26	0	moving	LinMoving	Max M3	0	892.534	0	97.0449
T26	2	moving	LinMoving	Max M3	0	632.415	0	-44.6537
T26	0	moving	LinMoving	Min M3	0	1.492	0	-23.6431
T26	2	moving	LinMoving	Min M3	0	1.493	0	-23.6348
T27	0	moving	LinMoving	Max P	0	0	0	0
T27	1	moving	LinMoving	Max P	0	0	0	0
T27	0	moving	LinMoving	Min P	0	0	0	0
T27	1	moving	LinMoving	Min P	0	0	0	0
T27	0	moving	LinMoving	Max V2	0	1004.953	0	200.6435
T27	1	moving	LinMoving	Max V2	0	1004.953	0	200.6435
T27	0	moving	LinMoving	Min V2	0	-44.271	0	-136.1249
T27	1	moving	LinMoving	Min V2	0	-44.271	0	-136.1249
T27	0	moving	LinMoving	Max V3	0	0	0	0
T27	1	moving	LinMoving	Max V3	0	0	0	0
T27	0	moving	LinMoving	Min V3	0	0	0	0
T27	1	moving	LinMoving	Min V3	0	0	0	0
T27	0	moving	LinMoving	Max T	0	696.755	0	267.4329
T27	1	moving	LinMoving	Max T	0	696.755	0	267.4329
T27	0	moving	LinMoving	Min T	0	246.422	0	-197.0531
T27	1	moving	LinMoving	Min T	0	246.422	0	-197.0531
T27	0	moving	LinMoving	Max M2	0	0	0	0
T27	1	moving	LinMoving	Max M2	0	0	0	0
T27	0	moving	LinMoving	Min M2	0	0	0	0
T27	1	moving	LinMoving	Min M2	0	0	0	0
T27	0	moving	LinMoving	Max M3	0	974.879	0	190.2544
T27	1	moving	LinMoving	Max M3	0	922.421	0	160.0384
T27	0	moving	LinMoving	Min M3	0	0.843	0	-30.8073
T27	1	moving	LinMoving	Min M3	0	0.843	0	-30.8032
T28	0	moving	LinMoving	Max P	0	0	0	0
T28	1	moving	LinMoving	Max P	0	0	0	0
T28	0	moving	LinMoving	Min P	0	0	0	0
T28	1	moving	LinMoving	Min P	0	0	0	0
T28	0	moving	LinMoving	Max V2	0	1040.22	0	49.7763
T28	1	moving	LinMoving	Max V2	0	1040.22	0	49.7763
T28	0	moving	LinMoving	Min V2	0	-35.414	0	-217.2907
T28	1	moving	LinMoving	Min V2	0	-35.414	0	-217.2907

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Table: Element Forces - Frames, Part 1 of 2

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
T28	0	moving	LinMoving	Max V3	0	0	0	0
T28	1	moving	LinMoving	Max V3	0	0	0	0
T28	0	moving	LinMoving	Min V3	0	0	0	0
T28	1	moving	LinMoving	Min V3	0	0	0	0
T28	0	moving	LinMoving	Max T	0	703.894	0	140.8589
T28	1	moving	LinMoving	Max T	0	703.894	0	140.8589
T28	0	moving	LinMoving	Min T	0	347.974	0	-367.0139
T28	1	moving	LinMoving	Min T	0	347.974	0	-367.0139
T28	0	moving	LinMoving	Max M2	0	0	0	0
T28	1	moving	LinMoving	Max M2	0	0	0	0
T28	0	moving	LinMoving	Min M2	0	0	0	0
T28	1	moving	LinMoving	Min M2	0	0	0	0
T28	0	moving	LinMoving	Max M3	0	1020.046	0	32.0751
T28	1	moving	LinMoving	Max M3	0	792.765	0	-106.149
T28	0	moving	LinMoving	Min M3	0	3.938	0	-86.2038
T28	1	moving	LinMoving	Min M3	0	3.959	0	-86.3545
T29	0	moving	LinMoving	Max P	0	0	0	0
T29	2	moving	LinMoving	Max P	0	0	0	0
T29	0	moving	LinMoving	Min P	0	0	0	0
T29	2	moving	LinMoving	Min P	0	0	0	0
T29	0	moving	LinMoving	Max V2	0	1128.505	0	106.2714
T29	2	moving	LinMoving	Max V2	0	1128.505	0	106.2714
T29	0	moving	LinMoving	Min V2	0	-10.455	0	1.0582
T29	2	moving	LinMoving	Min V2	0	-10.455	0	1.0582
T29	0	moving	LinMoving	Max V3	0	0	0	0
T29	2	moving	LinMoving	Max V3	0	0	0	0
T29	0	moving	LinMoving	Min V3	0	0	0	0
T29	2	moving	LinMoving	Min V3	0	0	0	0
T29	0	moving	LinMoving	Max T	0	747.63	0	172.9861
T29	2	moving	LinMoving	Max T	0	747.63	0	172.9861
T29	0	moving	LinMoving	Min T	0	388.258	0	-270.2684
T29	2	moving	LinMoving	Min T	0	388.258	0	-270.2684
T29	0	moving	LinMoving	Max M2	0	0	0	0
T29	2	moving	LinMoving	Max M2	0	0	0	0
T29	0	moving	LinMoving	Min M2	0	0	0	0
T29	2	moving	LinMoving	Min M2	0	0	0	0
T29	0	moving	LinMoving	Max M3	0	1126.956	0	106.1324
T29	2	moving	LinMoving	Max M3	0	869.473	0	-17.6924
T29	0	moving	LinMoving	Min M3	0	4.768	0	-97.5435
T29	2	moving	LinMoving	Min M3	0	6.458	0	-100.8028
T32	0	moving	LinMoving	Max P	0	0	0	0
T32	1	moving	LinMoving	Max P	0	0	0	0
T32	0	moving	LinMoving	Min P	0	0	0	0
T32	1	moving	LinMoving	Min P	0	0	0	0
T32	0	moving	LinMoving	Max V2	0	1208.264	0	189.5243
T32	1	moving	LinMoving	Max V2	0	1208.264	0	189.5243
T32	0	moving	LinMoving	Min V2	0	-10.49	0	5.3962
T32	1	moving	LinMoving	Min V2	0	-10.49	0	5.3962
T32	0	moving	LinMoving	Max V3	0	0	0	0
T32	1	moving	LinMoving	Max V3	0	0	0	0
T32	0	moving	LinMoving	Min V3	0	0	0	0
T32	1	moving	LinMoving	Min V3	0	0	0	0
T32	0	moving	LinMoving	Max T	0	820.621	0	250.252

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

Frame	Station m	OutputCase	CaseType	StepType	P KN	V2 KN	V3 KN	T KN-m
T32	1	moving	LinMoving	Max T	0	820.621	0	250.252
T32	0	moving	LinMoving	Min T	0	425.798	0	-178.5836
T32	1	moving	LinMoving	Min T	0	425.798	0	-178.5836
T32	0	moving	LinMoving	Max M2	0	0	0	0
T32	1	moving	LinMoving	Max M2	0	0	0	0
T32	0	moving	LinMoving	Min M2	0	0	0	0
T32	1	moving	LinMoving	Min M2	0	0	0	0
T32	0	moving	LinMoving	Max M3	0	1204.855	0	195.1402
T32	1	moving	LinMoving	Max M3	0	719.882	0	171.1674
T32	0	moving	LinMoving	Min M3	0	14.046	0	-105.8155
T32	1	moving	LinMoving	Min M3	0	666.096	0	-78.7905

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

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

Frame	Station m	OutputCase	StepType	M2 KN-m	M3 KN-m	FrameElem	ElemStation m
94	0	moving	Max P	0	0	94	0
94	0.5	moving	Max P	0	0	94	0.5
94	0	moving	Min P	0	0	94	0
94	0.5	moving	Min P	0	0	94	0.5
94	0	moving	Max V2	0	17.6924	94	0
94	0.5	moving	Max V2	0	16.6472	94	0.5
94	0	moving	Min V2	0	-186.1601	94	0
94	0.5	moving	Min V2	0	-23.4242	94	0.5
94	0	moving	Max V3	0	0	94	0
94	0.5	moving	Max V3	0	0	94	0.5
94	0	moving	Min V3	0	0	94	0
94	0.5	moving	Min V3	0	0	94	0.5
94	0	moving	Max T	0	37.9673	94	0
94	0.5	moving	Max T	0	41.6718	94	0.5
94	0	moving	Min T	0	-186.4969	94	0
94	0.5	moving	Min T	0	-26.4142	94	0.5
94	0	moving	Max M2	0	0	94	0
94	0.5	moving	Max M2	0	0	94	0.5
94	0	moving	Min M2	0	0	94	0
94	0.5	moving	Min M2	0	0	94	0.5
94	0	moving	Max M3	0	46.3597	94	0
94	0.5	moving	Max M3	0	75.3358	94	0.5
94	0	moving	Min M3	0	-188.8432	94	0
94	0.5	moving	Min M3	0	-50.6441	94	0.5
98	0	moving	Max P	0	0	98	0
98	0.5	moving	Max P	0	0	98	0.5
98	0	moving	Min P	0	0	98	0
98	0.5	moving	Min P	0	0	98	0.5
98	0	moving	Max V2	0	-23.4241	98	0
98	0.5	moving	Max V2	0	-186.1601	98	0.5
98	0	moving	Min V2	0	16.6472	98	0
98	0.5	moving	Min V2	0	17.6924	98	0.5
98	0	moving	Max V3	0	0	98	0
98	0.5	moving	Max V3	0	0	98	0.5
98	0	moving	Min V3	0	0	98	0

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Table: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	M2	M3	FrameElem	ElemStation
	m			KN-m	KN-m		m
98	0.5	moving	Min V3	0	0	98	0.5
98	0	moving	Max T	0	-26.4141	98	0
98	0.5	moving	Max T	0	-186.4969	98	0.5
98	0	moving	Min T	0	41.6718	98	0
98	0.5	moving	Min T	0	37.9673	98	0.5
98	0	moving	Max M2	0	0	98	0
98	0.5	moving	Max M2	0	0	98	0.5
98	0	moving	Min M2	0	0	98	0
98	0.5	moving	Min M2	0	0	98	0.5
98	0	moving	Max M3	0	75.3357	98	0
98	0.5	moving	Max M3	0	46.3596	98	0.5
98	0	moving	Min M3	0	-50.6439	98	0
98	0.5	moving	Min M3	0	-188.8431	98	0.5
T1	0	moving	Max P	0	0	T1	0
T1	1	moving	Max P	0	0	T1	1
T1	0	moving	Min P	0	0	T1	0
T1	1	moving	Min P	0	0	T1	1
T1	0	moving	Max V2	0	2.3181	T1	0
T1	1	moving	Max V2	0	-8.1715	T1	1
T1	0	moving	Min V2	0	-3.8942	T1	0
T1	1	moving	Min V2	0	1204.3694	T1	1
T1	0	moving	Max V3	0	0	T1	0
T1	1	moving	Max V3	0	0	T1	1
T1	0	moving	Min V3	0	0	T1	0
T1	1	moving	Min V3	0	0	T1	1
T1	0	moving	Max T	0	-182.0913	T1	0
T1	1	moving	Max T	0	243.7067	T1	1
T1	0	moving	Min T	0	22.3342	T1	0
T1	1	moving	Min T	0	842.9551	T1	1
T1	0	moving	Max M2	0	0	T1	0
T1	1	moving	Max M2	0	0	T1	1
T1	0	moving	Min M2	0	0	T1	0
T1	1	moving	Min M2	0	0	T1	1
T1	0	moving	Max M3	0	46.5795	T1	0
T1	1	moving	Max M3	0	1208.7323	T1	1
T1	0	moving	Min M3	0	-189.0271	T1	0
T1	1	moving	Min M3	0	-152.567	T1	1
T2	0	moving	Max P	0	0	T2	0
T2	2	moving	Max P	0	0	T2	2
T2	0	moving	Min P	0	0	T2	0
T2	2	moving	Min P	0	0	T2	2
T2	0	moving	Max V2	0	6.7351	T2	0
T2	2	moving	Max V2	0	-14.1756	T2	2
T2	0	moving	Min V2	0	1177.3938	T2	0
T2	2	moving	Min V2	0	3434.403	T2	2
T2	0	moving	Max V3	0	0	T2	0
T2	2	moving	Max V3	0	0	T2	2
T2	0	moving	Min V3	0	0	T2	0
T2	2	moving	Min V3	0	0	T2	2
T2	0	moving	Max T	0	540.1863	T2	0
T2	2	moving	Max T	0	1316.6655	T2	2
T2	0	moving	Min T	0	828.9313	T2	0
T2	2	moving	Min T	0	2324.2288	T2	2



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

Frame	Station	OutputCase	StepType	M2	M3	FrameElem	ElemStation
	m			KN-m	KN-m		m
T2	0	moving	Max M2	0	0	T2	0
T2	2	moving	Max M2	0	0	T2	2
T2	0	moving	Min M2	0	0	T2	0
T2	2	moving	Min M2	0	0	T2	2
T2	0	moving	Max M3	0	1292.9605	T2	0
T2	2	moving	Max M3	0	3452.0375	T2	2
T2	0	moving	Min M3	0	-177.8454	T2	0
T2	2	moving	Min M3	0	-167.7867	T2	2
T3	0	moving	Max P	0	0	T3	0
T3	1	moving	Max P	0	0	T3	1
T3	0	moving	Min P	0	0	T3	0
T3	1	moving	Min P	0	0	T3	1
T3	0	moving	Max V2	0	1224.2548	T3	0
T3	1	moving	Max V2	0	1188.8387	T3	1
T3	0	moving	Min V2	0	3215.9182	T3	0
T3	1	moving	Min V2	0	4256.1402	T3	1
T3	0	moving	Max V3	0	0	T3	0
T3	1	moving	Max V3	0	0	T3	1
T3	0	moving	Min V3	0	0	T3	0
T3	1	moving	Min V3	0	0	T3	1
T3	0	moving	Max T	0	2402.7053	T3	0
T3	1	moving	Max T	0	2750.7594	T3	1
T3	0	moving	Min T	0	2292.6745	T3	0
T3	1	moving	Min T	0	2996.488	T3	1
T3	0	moving	Max M2	0	0	T3	0
T3	1	moving	Max M2	0	0	T3	1
T3	0	moving	Min M2	0	0	T3	0
T3	1	moving	Min M2	0	0	T3	1
T3	0	moving	Max M3	0	3517.1156	T3	0
T3	1	moving	Max M3	0	4422.1384	T3	1
T3	0	moving	Min M3	0	-180.396	T3	0
T3	1	moving	Min M3	0	-176.4483	T3	1
T4	0	moving	Max P	0	0	T4	0
T4	1	moving	Max P	0	0	T4	1
T4	0	moving	Min P	0	0	T4	0
T4	1	moving	Min P	0	0	T4	1
T4	0	moving	Max V2	0	1472.2962	T4	0
T4	1	moving	Max V2	0	1428.0098	T4	1
T4	0	moving	Min V2	0	4160.7295	T4	0
T4	1	moving	Min V2	0	5165.6979	T4	1
T4	0	moving	Max V3	0	0	T4	0
T4	1	moving	Max V3	0	0	T4	1
T4	0	moving	Min V3	0	0	T4	0
T4	1	moving	Min V3	0	0	T4	1
T4	0	moving	Max T	0	2750.7186	T4	0
T4	1	moving	Max T	0	2997.1514	T4	1
T4	0	moving	Min T	0	3063.9898	T4	0
T4	1	moving	Min T	0	3760.7344	T4	1
T4	0	moving	Max M2	0	0	T4	0
T4	1	moving	Max M2	0	0	T4	1
T4	0	moving	Min M2	0	0	T4	0
T4	1	moving	Min M2	0	0	T4	1
T4	0	moving	Max M3	0	4422.2283	T4	0

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Table: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	M2	M3	FrameElem	ElemStation
	m			KN-m	KN-m		m
T4	1	moving	Max M3	0	5368.3298	T4	1
T4	0	moving	Min M3	0	-176.4824	T4	0
T4	1	moving	Min M3	0	-175.6397	T4	1
T5	0	moving	Max P	0	0	T5	0
T5	2	moving	Max P	0	0	T5	2
T5	0	moving	Min P	0	0	T5	0
T5	2	moving	Min P	0	0	T5	2
T5	0	moving	Max V2	0	2604.8412	T5	0
T5	2	moving	Max V2	0	2439.1197	T5	2
T5	0	moving	Min V2	0	4778.0509	T5	0
T5	2	moving	Min V2	0	6631.0067	T5	2
T5	0	moving	Max V3	0	0	T5	0
T5	2	moving	Max V3	0	0	T5	2
T5	0	moving	Min V3	0	0	T5	0
T5	2	moving	Min V3	0	0	T5	2
T5	0	moving	Max T	0	4040.7844	T5	0
T5	2	moving	Max T	0	4426.8233	T5	2
T5	0	moving	Min T	0	3432.5561	T5	0
T5	2	moving	Min T	0	4686.1862	T5	2
T5	0	moving	Max M2	0	0	T5	0
T5	2	moving	Max M2	0	0	T5	2
T5	0	moving	Min M2	0	0	T5	0
T5	2	moving	Min M2	0	0	T5	2
T5	0	moving	Max M3	0	5433.704	T5	0
T5	2	moving	Max M3	0	7034.4805	T5	2
T5	0	moving	Min M3	0	-180.1051	T5	0
T5	2	moving	Min M3	0	-177.1202	T5	2
T6	0	moving	Max P	0	0	T6	0
T6	1	moving	Max P	0	0	T6	1
T6	0	moving	Min P	0	0	T6	0
T6	1	moving	Min P	0	0	T6	1
T6	0	moving	Max V2	0	3585.5749	T6	0
T6	1	moving	Max V2	0	3463.8021	T6	1
T6	0	moving	Min V2	0	6097.6086	T6	0
T6	1	moving	Min V2	0	6945.9563	T6	1
T6	0	moving	Max V3	0	0	T6	0
T6	1	moving	Max V3	0	0	T6	1
T6	0	moving	Min V3	0	0	T6	0
T6	1	moving	Min V3	0	0	T6	1
T6	0	moving	Max T	0	5597.2196	T6	0
T6	1	moving	Max T	0	5756.1663	T6	1
T6	0	moving	Min T	0	4531.8013	T6	0
T6	1	moving	Min T	0	5118.2071	T6	1
T6	0	moving	Max M2	0	0	T6	0
T6	1	moving	Max M2	0	0	T6	1
T6	0	moving	Min M2	0	0	T6	0
T6	1	moving	Min M2	0	0	T6	1
T6	0	moving	Max M3	0	7077.2749	T6	0
T6	1	moving	Max M3	0	7702.4228	T6	1
T6	0	moving	Min M3	0	-178.0711	T6	0
T6	1	moving	Min M3	0	-175.9995	T6	1
T7	0	moving	Max P	0	0	T7	0
T7	1	moving	Max P	0	0	T7	1

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	M2	M3	FrameElem	ElemStation
	m			KN-m	KN-m		m
T7	0	moving	Min P	0	0	T7	0
T7	1	moving	Min P	0	0	T7	1
T7	0	moving	Max V2	0	3998.975	T7	0
T7	1	moving	Max V2	0	3855.4234	T7	1
T7	0	moving	Min V2	0	6724.0274	T7	0
T7	1	moving	Min V2	0	7541.8613	T7	1
T7	0	moving	Max V3	0	0	T7	0
T7	1	moving	Max V3	0	0	T7	1
T7	0	moving	Min V3	0	0	T7	0
T7	1	moving	Min V3	0	0	T7	1
T7	0	moving	Max T	0	5610.316	T7	0
T7	1	moving	Max T	0	5674.5379	T7	1
T7	0	moving	Min T	0	5311.2253	T7	0
T7	1	moving	Min T	0	5919.1329	T7	1
T7	0	moving	Max M2	0	0	T7	0
T7	1	moving	Max M2	0	0	T7	1
T7	0	moving	Min M2	0	0	T7	0
T7	1	moving	Min M2	0	0	T7	1
T7	0	moving	Max M3	0	7702.4856	T7	0
T7	1	moving	Max M3	0	8394.5795	T7	1
T7	0	moving	Min M3	0	-176.0008	T7	0
T7	1	moving	Min M3	0	-172.7426	T7	1
T8	0	moving	Max P	0	0	T8	0
T8	2	moving	Max P	0	0	T8	2
T8	0	moving	Min P	0	0	T8	0
T8	2	moving	Min P	0	0	T8	2
T8	0	moving	Max V2	0	5066.6786	T8	0
T8	2	moving	Max V2	0	4689.1931	T8	2
T8	0	moving	Min V2	0	6874.8736	T8	0
T8	2	moving	Min V2	0	8369.4082	T8	2
T8	0	moving	Max V3	0	0	T8	0
T8	2	moving	Max V3	0	0	T8	2
T8	0	moving	Min V3	0	0	T8	0
T8	2	moving	Min V3	0	0	T8	2
T8	0	moving	Max T	0	6670.0184	T8	0
T8	2	moving	Max T	0	6688.6976	T8	2
T8	0	moving	Min T	0	5205.6375	T8	0
T8	2	moving	Min T	0	6230.7943	T8	2
T8	0	moving	Max M2	0	0	T8	0
T8	2	moving	Max M2	0	0	T8	2
T8	0	moving	Min M2	0	0	T8	0
T8	2	moving	Min M2	0	0	T8	2
T8	0	moving	Max M3	0	8438.7708	T8	0
T8	2	moving	Max M3	0	9502.0431	T8	2
T8	0	moving	Min M3	0	-172.4934	T8	0
T8	2	moving	Min M3	0	-165.4358	T8	2
T9	0	moving	Max P	0	0	T9	0
T9	1	moving	Max P	0	0	T9	1
T9	0	moving	Min P	0	0	T9	0
T9	1	moving	Min P	0	0	T9	1
T9	0	moving	Max V2	0	5853.9521	T9	0
T9	1	moving	Max V2	0	5621.8977	T9	1
T9	0	moving	Min V2	0	7579.3626	T9	0

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Table: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	M2	M3	FrameElem	ElemStation
	m			KN-m	KN-m		m
T9	1	moving	Min V2	0	8254.5693	T9	1
T9	0	moving	Max V3	0	0	T9	0
T9	1	moving	Max V3	0	0	T9	1
T9	0	moving	Min V3	0	0	T9	0
T9	1	moving	Min V3	0	0	T9	1
T9	0	moving	Max T	0	7617.8868	T9	0
T9	1	moving	Max T	0	7572.8548	T9	1
T9	0	moving	Min T	0	5983.2572	T9	0
T9	1	moving	Min T	0	6454.4812	T9	1
T9	0	moving	Max M2	0	0	T9	0
T9	1	moving	Max M2	0	0	T9	1
T9	0	moving	Min M2	0	0	T9	0
T9	1	moving	Min M2	0	0	T9	1
T9	0	moving	Max M3	0	9522.1864	T9	0
T9	1	moving	Max M3	0	9878.5511	T9	1
T9	0	moving	Min M3	0	-164.8916	T9	0
T9	1	moving	Min M3	0	-161.1787	T9	1
T10	0	moving	Max P	0	0	T10	0
T10	1	moving	Max P	0	0	T10	1
T10	0	moving	Min P	0	0	T10	0
T10	1	moving	Min P	0	0	T10	1
T10	0	moving	Max V2	0	6127.7767	T10	0
T10	1	moving	Max V2	0	5872.9612	T10	1
T10	0	moving	Min V2	0	7937.0945	T10	0
T10	1	moving	Min V2	0	8584.8413	T10	1
T10	0	moving	Max V3	0	0	T10	0
T10	1	moving	Max V3	0	0	T10	1
T10	0	moving	Min V3	0	0	T10	0
T10	1	moving	Min V3	0	0	T10	1
T10	0	moving	Max T	0	6155.1087	T10	0
T10	1	moving	Max T	0	6032.6137	T10	1
T10	0	moving	Min T	0	6898.8442	T10	0
T10	1	moving	Min T	0	7388.4333	T10	1
T10	0	moving	Max M2	0	0	T10	0
T10	1	moving	Max M2	0	0	T10	1
T10	0	moving	Min M2	0	0	T10	0
T10	1	moving	Min M2	0	0	T10	1
T10	0	moving	Max M3	0	9878.5888	T10	0
T10	1	moving	Max M3	0	10305.1403	T10	1
T10	0	moving	Min M3	0	-161.1768	T10	0
T10	1	moving	Min M3	0	-156.7248	T10	1
T11	0	moving	Max P	0	0	T11	0
T11	0.2	moving	Max P	0	0	T11	0.2
T11	0	moving	Min P	0	0	T11	0
T11	0.2	moving	Min P	0	0	T11	0.2
T11	0	moving	Max V2	0	7051.8982	T11	0
T11	0.2	moving	Max V2	0	6990.6458	T11	0.2
T11	0	moving	Min V2	0	7714.8127	T11	0
T11	0.2	moving	Min V2	0	7831.6422	T11	0.2
T11	0	moving	Max V3	0	0	T11	0
T11	0.2	moving	Max V3	0	0	T11	0.2
T11	0	moving	Min V3	0	0	T11	0
T11	0.2	moving	Min V3	0	0	T11	0.2

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

Frame	Station	OutputCase	StepType	M2	M3	FrameElem	ElemStation
	m			KN-m	KN-m		m
T11	0	moving	Max T	0	8173.7392	T11	0
T11	0.2	moving	Max T	0	8138.4971	T11	0.2
T11	0	moving	Min T	0	6212.6751	T11	0
T11	0.2	moving	Min T	0	6292.8686	T11	0.2
T11	0	moving	Max M2	0	0	T11	0
T11	0.2	moving	Max M2	0	0	T11	0.2
T11	0	moving	Min M2	0	0	T11	0
T11	0.2	moving	Min M2	0	0	T11	0.2
T11	0	moving	Max M3	0	10328.2361	T11	0
T11	0.2	moving	Max M3	0	10351.9425	T11	0.2
T11	0	moving	Min M3	0	-156.2378	T11	0
T11	0.2	moving	Min M3	0	-155.333	T11	0.2
T12	0	moving	Max P	0	0	T12	0
T12	1.8	moving	Max P	0	0	T12	1.8
T12	0	moving	Min P	0	0	T12	0
T12	1.8	moving	Min P	0	0	T12	1.8
T12	0	moving	Max V2	0	6990.6458	T12	0
T12	1.8	moving	Max V2	0	6439.3742	T12	1.8
T12	0	moving	Min V2	0	7831.6422	T12	0
T12	1.8	moving	Min V2	0	8883.1072	T12	1.8
T12	0	moving	Max V3	0	0	T12	0
T12	1.8	moving	Max V3	0	0	T12	1.8
T12	0	moving	Min V3	0	0	T12	0
T12	1.8	moving	Min V3	0	0	T12	1.8
T12	0	moving	Max T	0	8138.4971	T12	0
T12	1.8	moving	Max T	0	7821.3181	T12	1.8
T12	0	moving	Min T	0	6292.8686	T12	0
T12	1.8	moving	Min T	0	7014.6108	T12	1.8
T12	0	moving	Max M2	0	0	T12	0
T12	1.8	moving	Max M2	0	0	T12	1.8
T12	0	moving	Min M2	0	0	T12	0
T12	1.8	moving	Min M2	0	0	T12	1.8
T12	0	moving	Max M3	0	10351.9425	T12	0
T12	1.8	moving	Max M3	0	10859.4621	T12	1.8
T12	0	moving	Min M3	0	-155.333	T12	0
T12	1.8	moving	Min M3	0	-147.189	T12	1.8
T13	0	moving	Max P	0	0	T13	0
T13	1	moving	Max P	0	0	T13	1
T13	0	moving	Min P	0	0	T13	0
T13	1	moving	Min P	0	0	T13	1
T13	0	moving	Max V2	0	7556.9445	T13	0
T13	1	moving	Max V2	0	7200.8025	T13	1
T13	0	moving	Min V2	0	7909.2216	T13	0
T13	1	moving	Min V2	0	8428.501	T13	1
T13	0	moving	Max V3	0	0	T13	0
T13	1	moving	Max V3	0	0	T13	1
T13	0	moving	Min V3	0	0	T13	0
T13	1	moving	Min V3	0	0	T13	1
T13	0	moving	Max T	0	8747.6422	T13	0
T13	1	moving	Max T	0	8530.7169	T13	1
T13	0	moving	Min T	0	6669.0448	T13	0
T13	1	moving	Min T	0	7029.5625	T13	1
T13	0	moving	Max M2	0	0	T13	0

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Table: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	M2	M3	FrameElem	ElemStation
	m			KN-m	KN-m		m
T13	1	moving	Max M2	0	0	T13	1
T13	0	moving	Min M2	0	0	T13	0
T13	1	moving	Min M2	0	0	T13	1
T13	0	moving	Max M3	0	10862.2001	T13	0
T13	1	moving	Max M3	0	10961.9487	T13	1
T13	0	moving	Min M3	0	-146.877	T13	0
T13	1	moving	Min M3	0	-142.2818	T13	1
T14	0	moving	Max P	0	0	T14	0
T14	1	moving	Max P	0	0	T14	1
T14	0	moving	Min P	0	0	T14	0
T14	1	moving	Min P	0	0	T14	1
T14	0	moving	Max V2	0	7660.0189	T14	0
T14	1	moving	Max V2	0	7280.2801	T14	1
T14	0	moving	Min V2	0	8032.1995	T14	0
T14	1	moving	Min V2	0	8526.4603	T14	1
T14	0	moving	Max V3	0	0	T14	0
T14	1	moving	Max V3	0	0	T14	1
T14	0	moving	Min V3	0	0	T14	0
T14	1	moving	Min V3	0	0	T14	1
T14	0	moving	Max T	0	7002.4107	T14	0
T14	1	moving	Max T	0	6753.4412	T14	1
T14	0	moving	Min T	0	7922.8988	T14	0
T14	1	moving	Min T	0	8321.7498	T14	1
T14	0	moving	Max M2	0	0	T14	0
T14	1	moving	Max M2	0	0	T14	1
T14	0	moving	Min M2	0	0	T14	0
T14	1	moving	Min M2	0	0	T14	1
T14	0	moving	Max M3	0	10961.9656	T14	0
T14	1	moving	Max M3	0	11125.3134	T14	1
T14	0	moving	Min M3	0	-142.2812	T14	0
T14	1	moving	Min M3	0	-136.9432	T14	1
T15	0	moving	Max P	0	0	T15	0
T15	1	moving	Max P	0	0	T15	1
T15	0	moving	Min P	0	0	T15	0
T15	1	moving	Min P	0	0	T15	1
T15	0	moving	Max V2	0	8382.0706	T15	0
T15	1	moving	Max V2	0	7944.2537	T15	1
T15	0	moving	Min V2	0	7506.4368	T15	0
T15	1	moving	Min V2	0	7944.2545	T15	1
T15	0	moving	Max V3	0	0	T15	0
T15	1	moving	Max V3	0	0	T15	1
T15	0	moving	Min V3	0	0	T15	0
T15	1	moving	Min V3	0	0	T15	1
T15	0	moving	Max T	0	8374.9354	T15	0
T15	1	moving	Max T	0	8032.398	T15	1
T15	0	moving	Min T	0	7689.8605	T15	0
T15	1	moving	Min T	0	8032.3987	T15	1
T15	0	moving	Max M2	0	0	T15	0
T15	1	moving	Max M2	0	0	T15	1
T15	0	moving	Min M2	0	0	T15	0
T15	1	moving	Min M2	0	0	T15	1
T15	0	moving	Max M3	0	11134.9439	T15	0
T15	1	moving	Max M3	0	11038.5488	T15	1

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Table: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	M2	M3	FrameElem	ElemStation
	m			KN-m	KN-m		m
T15	0	moving	Min M3	0	-136.8971	T15	0
T15	1	moving	Min M3	0	-131.5013	T15	1
T16	0	moving	Max P	0	0	T16	0
T16	1	moving	Max P	0	0	T16	1
T16	0	moving	Min P	0	0	T16	0
T16	1	moving	Min P	0	0	T16	1
T16	0	moving	Max V2	0	7944.2537	T16	0
T16	1	moving	Max V2	0	7506.4368	T16	1
T16	0	moving	Min V2	0	7944.2545	T16	0
T16	1	moving	Min V2	0	8382.0721	T16	1
T16	0	moving	Max V3	0	0	T16	0
T16	1	moving	Max V3	0	0	T16	1
T16	0	moving	Min V3	0	0	T16	0
T16	1	moving	Min V3	0	0	T16	1
T16	0	moving	Max T	0	8032.398	T16	0
T16	1	moving	Max T	0	7689.8606	T16	1
T16	0	moving	Min T	0	8032.3987	T16	0
T16	1	moving	Min T	0	8374.9368	T16	1
T16	0	moving	Max M2	0	0	T16	0
T16	1	moving	Max M2	0	0	T16	1
T16	0	moving	Min M2	0	0	T16	0
T16	1	moving	Min M2	0	0	T16	1
T16	0	moving	Max M3	0	11038.5488	T16	0
T16	1	moving	Max M3	0	11134.9454	T16	1
T16	0	moving	Min M3	0	-131.5013	T16	0
T16	1	moving	Min M3	0	-136.8971	T16	1
T17	0	moving	Max P	0	0	T17	0
T17	1	moving	Max P	0	0	T17	1
T17	0	moving	Min P	0	0	T17	0
T17	1	moving	Min P	0	0	T17	1
T17	0	moving	Max V2	0	8526.365	T17	0
T17	1	moving	Max V2	0	8032.1226	T17	1
T17	0	moving	Min V2	0	7280.3378	T17	0
T17	1	moving	Min V2	0	7660.0478	T17	1
T17	0	moving	Max V3	0	0	T17	0
T17	1	moving	Max V3	0	0	T17	1
T17	0	moving	Min V3	0	0	T17	0
T17	1	moving	Min V3	0	0	T17	1
T17	0	moving	Max T	0	8321.0117	T17	0
T17	1	moving	Max T	0	7922.1272	T17	1
T17	0	moving	Min T	0	6754.145	T17	0
T17	1	moving	Min T	0	7003.1408	T17	1
T17	0	moving	Max M2	0	0	T17	0
T17	1	moving	Max M2	0	0	T17	1
T17	0	moving	Min M2	0	0	T17	0
T17	1	moving	Min M2	0	0	T17	1
T17	0	moving	Max M3	0	11125.29	T17	0
T17	1	moving	Max M3	0	10961.9441	T17	1
T17	0	moving	Min M3	0	-136.9432	T17	0
T17	1	moving	Min M3	0	-142.2812	T17	1
T18	0	moving	Max P	0	0	T18	0
T18	1	moving	Max P	0	0	T18	1
T18	0	moving	Min P	0	0	T18	0

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

Frame	Station	OutputCase	StepType	M2	M3	FrameElem	ElemStation
	m			KN-m	KN-m		m
T18	1	moving	Min P	0	0	T18	1
T18	0	moving	Max V2	0	8428.3097	T18	0
T18	1	moving	Max V2	0	7909.0488	T18	1
T18	0	moving	Min V2	0	7200.9457	T18	0
T18	1	moving	Min V2	0	7557.0902	T18	1
T18	0	moving	Max V3	0	0	T18	0
T18	1	moving	Max V3	0	0	T18	1
T18	0	moving	Min V3	0	0	T18	0
T18	1	moving	Min V3	0	0	T18	1
T18	0	moving	Max T	0	7030.0294	T18	0
T18	1	moving	Max T	0	6669.4831	T18	1
T18	0	moving	Min T	0	8447.3106	T18	0
T18	1	moving	Min T	0	8679.2449	T18	1
T18	0	moving	Max M2	0	0	T18	0
T18	1	moving	Max M2	0	0	T18	1
T18	0	moving	Min M2	0	0	T18	0
T18	1	moving	Min M2	0	0	T18	1
T18	0	moving	Max M3	0	10961.9273	T18	0
T18	1	moving	Max M3	0	10862.4693	T18	1
T18	0	moving	Min M3	0	-142.2818	T18	0
T18	1	moving	Min M3	0	-146.877	T18	1
T19	0	moving	Max P	0	0	T19	0
T19	1.8	moving	Max P	0	0	T19	1.8
T19	0	moving	Min P	0	0	T19	0
T19	1.8	moving	Min P	0	0	T19	1.8
T19	0	moving	Max V2	0	8884.1726	T19	0
T19	1.8	moving	Max V2	0	7832.5629	T19	1.8
T19	0	moving	Min V2	0	6438.4177	T19	0
T19	1.8	moving	Min V2	0	6989.8341	T19	1.8
T19	0	moving	Max V3	0	0	T19	0
T19	1.8	moving	Max V3	0	0	T19	1.8
T19	0	moving	Min V3	0	0	T19	0
T19	1.8	moving	Min V3	0	0	T19	1.8
T19	0	moving	Max T	0	7014.4771	T19	0
T19	1.8	moving	Max T	0	6292.7446	T19	1.8
T19	0	moving	Min T	0	7821.7104	T19	0
T19	1.8	moving	Min T	0	8138.9426	T19	1.8
T19	0	moving	Max M2	0	0	T19	0
T19	1.8	moving	Max M2	0	0	T19	1.8
T19	0	moving	Min M2	0	0	T19	0
T19	1.8	moving	Min M2	0	0	T19	1.8
T19	0	moving	Max M3	0	10859.2936	T19	0
T19	1.8	moving	Max M3	0	10351.1966	T19	1.8
T19	0	moving	Min M3	0	-147.189	T19	0
T19	1.8	moving	Min M3	0	-155.3329	T19	1.8
T20	0	moving	Max P	0	0	T20	0
T20	0.2	moving	Max P	0	0	T20	0.2
T20	0	moving	Min P	0	0	T20	0
T20	0.2	moving	Min P	0	0	T20	0.2
T20	0	moving	Max V2	0	7832.5629	T20	0
T20	0.2	moving	Max V2	0	7715.7174	T20	0.2
T20	0	moving	Min V2	0	6989.8341	T20	0
T20	0.2	moving	Min V2	0	7051.1026	T20	0.2



AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

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

Frame	Station	OutputCase	StepType	M2	M3	FrameElem	ElemStation
	m			KN-m	KN-m		m
T20	0	moving	Max V3	0	0	T20	0
T20	0.2	moving	Max V3	0	0	T20	0.2
T20	0	moving	Min V3	0	0	T20	0
T20	0.2	moving	Min V3	0	0	T20	0.2
T20	0	moving	Max T	0	6292.7446	T20	0
T20	0.2	moving	Max T	0	6212.5521	T20	0.2
T20	0	moving	Min T	0	8138.9426	T20	0
T20	0.2	moving	Min T	0	8174.1907	T20	0.2
T20	0	moving	Max M2	0	0	T20	0
T20	0.2	moving	Max M2	0	0	T20	0.2
T20	0	moving	Min M2	0	0	T20	0
T20	0.2	moving	Min M2	0	0	T20	0.2
T20	0	moving	Max M3	0	10351.1966	T20	0
T20	0.2	moving	Max M3	0	10330.2115	T20	0.2
T20	0	moving	Min M3	0	-155.3329	T20	0
T20	0.2	moving	Min M3	0	-156.2378	T20	0.2
T21	0	moving	Max P	0	0	T21	0
T21	1	moving	Max P	0	0	T21	1
T21	0	moving	Min P	0	0	T21	0
T21	1	moving	Min P	0	0	T21	1
T21	0	moving	Max V2	0	8584.576	T21	0
T21	1	moving	Max V2	0	7936.8282	T21	1
T21	0	moving	Min V2	0	5873.2006	T21	0
T21	1	moving	Min V2	0	6127.996	T21	1
T21	0	moving	Max V3	0	0	T21	0
T21	1	moving	Max V3	0	0	T21	1
T21	0	moving	Min V3	0	0	T21	0
T21	1	moving	Min V3	0	0	T21	1
T21	0	moving	Max T	0	7354.813	T21	0
T21	1	moving	Max T	0	6850.1887	T21	1
T21	0	moving	Min T	0	6032.9382	T21	0
T21	1	moving	Min T	0	6155.4524	T21	1
T21	0	moving	Max M2	0	0	T21	0
T21	1	moving	Max M2	0	0	T21	1
T21	0	moving	Min M2	0	0	T21	0
T21	1	moving	Min M2	0	0	T21	1
T21	0	moving	Max M3	0	10305.0556	T21	0
T21	1	moving	Max M3	0	9878.5679	T21	1
T21	0	moving	Min M3	0	-156.7248	T21	0
T21	1	moving	Min M3	0	-161.1768	T21	1
T22	0	moving	Max P	0	0	T22	0
T22	1	moving	Max P	0	0	T22	1
T22	0	moving	Min P	0	0	T22	0
T22	1	moving	Min P	0	0	T22	1
T22	0	moving	Max V2	0	8255.0125	T22	0
T22	1	moving	Max V2	0	7579.8358	T22	1
T22	0	moving	Min V2	0	5621.4076	T22	0
T22	1	moving	Min V2	0	5853.4428	T22	1
T22	0	moving	Max V3	0	0	T22	0
T22	1	moving	Max V3	0	0	T22	1
T22	0	moving	Min V3	0	0	T22	0
T22	1	moving	Min V3	0	0	T22	1
T22	0	moving	Max T	0	6454.7456	T22	0

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

Frame	Station	OutputCase	StepType	M2	M3	FrameElem	ElemStation
	m			KN-m	KN-m		m
T22	1	moving	Max T	0	5983.4952	T22	1
T22	0	moving	Min T	0	7572.5498	T22	0
T22	1	moving	Min T	0	7617.6157	T22	1
T22	0	moving	Max M2	0	0	T22	0
T22	1	moving	Max M2	0	0	T22	1
T22	0	moving	Min M2	0	0	T22	0
T22	1	moving	Min M2	0	0	T22	1
T22	0	moving	Max M3	0	9878.5301	T22	0
T22	1	moving	Max M3	0	9522.164	T22	1
T22	0	moving	Min M3	0	-161.1787	T22	0
T22	1	moving	Min M3	0	-164.8916	T22	1
T23	0	moving	Max P	0	0	T23	0
T23	2	moving	Max P	0	0	T23	2
T23	0	moving	Min P	0	0	T23	0
T23	2	moving	Min P	0	0	T23	2
T23	0	moving	Max V2	0	8369.4063	T23	0
T23	2	moving	Max V2	0	6874.8696	T23	2
T23	0	moving	Min V2	0	4689.1971	T23	0
T23	2	moving	Min V2	0	5066.683	T23	2
T23	0	moving	Max V3	0	0	T23	0
T23	2	moving	Max V3	0	0	T23	2
T23	0	moving	Min V3	0	0	T23	0
T23	2	moving	Min V3	0	0	T23	2
T23	0	moving	Max T	0	6230.7951	T23	0
T23	2	moving	Max T	0	5205.6376	T23	2
T23	0	moving	Min T	0	6688.6979	T23	0
T23	2	moving	Min T	0	6670.0187	T23	2
T23	0	moving	Max M2	0	0	T23	0
T23	2	moving	Max M2	0	0	T23	2
T23	0	moving	Min M2	0	0	T23	0
T23	2	moving	Min M2	0	0	T23	2
T23	0	moving	Max M3	0	9502.0452	T23	0
T23	2	moving	Max M3	0	8438.7711	T23	2
T23	0	moving	Min M3	0	-165.4358	T23	0
T23	2	moving	Min M3	0	-172.4934	T23	2
T24	0	moving	Max P	0	0	T24	0
T24	1	moving	Max P	0	0	T24	1
T24	0	moving	Min P	0	0	T24	0
T24	1	moving	Min P	0	0	T24	1
T24	0	moving	Max V2	0	7541.8665	T24	0
T24	1	moving	Max V2	0	6724.0319	T24	1
T24	0	moving	Min V2	0	3855.4185	T24	0
T24	1	moving	Min V2	0	3998.9704	T24	1
T24	0	moving	Max V3	0	0	T24	0
T24	1	moving	Max V3	0	0	T24	1
T24	0	moving	Min V3	0	0	T24	0
T24	1	moving	Min V3	0	0	T24	1
T24	0	moving	Max T	0	5919.133	T24	0
T24	1	moving	Max T	0	5311.2248	T24	1
T24	0	moving	Min T	0	5674.5382	T24	0
T24	1	moving	Min T	0	5610.3163	T24	1
T24	0	moving	Max M2	0	0	T24	0
T24	1	moving	Max M2	0	0	T24	1

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Table: Element Forces - Frames, Part 2 of 2

Frame	Station	OutputCase	StepType	M2	M3	FrameElem	ElemStation
	m			KN-m	KN-m		m
T24	0	moving	Min M2	0	0	T24	0
T24	1	moving	Min M2	0	0	T24	1
T24	0	moving	Max M3	0	8394.5798	T24	0
T24	1	moving	Max M3	0	7702.4854	T24	1
T24	0	moving	Min M3	0	-172.7425	T24	0
T24	1	moving	Min M3	0	-176.0008	T24	1
T25	0	moving	Max P	0	0	T25	0
T25	1	moving	Max P	0	0	T25	1
T25	0	moving	Min P	0	0	T25	0
T25	1	moving	Min P	0	0	T25	1
T25	0	moving	Max V2	0	6945.9561	T25	0
T25	1	moving	Max V2	0	6097.6085	T25	1
T25	0	moving	Min V2	0	3463.802	T25	0
T25	1	moving	Min V2	0	3585.5749	T25	1
T25	0	moving	Max V3	0	0	T25	0
T25	1	moving	Max V3	0	0	T25	1
T25	0	moving	Min V3	0	0	T25	0
T25	1	moving	Min V3	0	0	T25	1
T25	0	moving	Max T	0	5118.207	T25	0
T25	1	moving	Max T	0	4531.8013	T25	1
T25	0	moving	Min T	0	5756.1661	T25	0
T25	1	moving	Min T	0	5597.2195	T25	1
T25	0	moving	Max M2	0	0	T25	0
T25	1	moving	Max M2	0	0	T25	1
T25	0	moving	Min M2	0	0	T25	0
T25	1	moving	Min M2	0	0	T25	1
T25	0	moving	Max M3	0	7702.4226	T25	0
T25	1	moving	Max M3	0	7077.2747	T25	1
T25	0	moving	Min M3	0	-175.9995	T25	0
T25	1	moving	Min M3	0	-178.071	T25	1
T26	0	moving	Max P	0	0	T26	0
T26	2	moving	Max P	0	0	T26	2
T26	0	moving	Min P	0	0	T26	0
T26	2	moving	Min P	0	0	T26	2
T26	0	moving	Max V2	0	6631.2452	T26	0
T26	2	moving	Max V2	0	4778.2633	T26	2
T26	0	moving	Min V2	0	2438.9065	T26	0
T26	2	moving	Min V2	0	2604.6544	T26	2
T26	0	moving	Max V3	0	0	T26	0
T26	2	moving	Max V3	0	0	T26	2
T26	0	moving	Min V3	0	0	T26	0
T26	2	moving	Min V3	0	0	T26	2
T26	0	moving	Max T	0	4686.1275	T26	0
T26	2	moving	Max T	0	3432.54	T26	2
T26	0	moving	Min T	0	4426.9073	T26	0
T26	2	moving	Min T	0	4040.826	T26	2
T26	0	moving	Max M2	0	0	T26	0
T26	2	moving	Max M2	0	0	T26	2
T26	0	moving	Min M2	0	0	T26	0
T26	2	moving	Min M2	0	0	T26	2
T26	0	moving	Max M3	0	7034.5059	T26	0
T26	2	moving	Max M3	0	5433.7295	T26	2
T26	0	moving	Min M3	0	-177.1201	T26	0

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

Frame	Station	OutputCase	StepType	M2	M3	FrameElem	ElemStation
	m			KN-m	KN-m		m
T26	2	moving	Min M3	0	-180.1051	T26	2
T27	0	moving	Max P	0	0	T27	0
T27	1	moving	Max P	0	0	T27	1
T27	0	moving	Min P	0	0	T27	0
T27	1	moving	Min P	0	0	T27	1
T27	0	moving	Max V2	0	5165.6132	T27	0
T27	1	moving	Max V2	0	4160.6603	T27	1
T27	0	moving	Min V2	0	1428.0697	T27	0
T27	1	moving	Min V2	0	1472.3407	T27	1
T27	0	moving	Max V3	0	0	T27	0
T27	1	moving	Max V3	0	0	T27	1
T27	0	moving	Min V3	0	0	T27	0
T27	1	moving	Min V3	0	0	T27	1
T27	0	moving	Max T	0	3760.6717	T27	0
T27	1	moving	Max T	0	3063.9166	T27	1
T27	0	moving	Min T	0	2997.1893	T27	0
T27	1	moving	Min T	0	2750.7672	T27	1
T27	0	moving	Max M2	0	0	T27	0
T27	1	moving	Max M2	0	0	T27	1
T27	0	moving	Min M2	0	0	T27	0
T27	1	moving	Min M2	0	0	T27	1
T27	0	moving	Max M3	0	5368.305	T27	0
T27	1	moving	Max M3	0	4422.2036	T27	1
T27	0	moving	Min M3	0	-175.6397	T27	0
T27	1	moving	Min M3	0	-176.4824	T27	1
T28	0	moving	Max P	0	0	T28	0
T28	1	moving	Max P	0	0	T28	1
T28	0	moving	Min P	0	0	T28	0
T28	1	moving	Min P	0	0	T28	1
T28	0	moving	Max V2	0	4256.5511	T28	0
T28	1	moving	Max V2	0	3216.3311	T28	1
T28	0	moving	Min V2	0	1188.4031	T28	0
T28	1	moving	Min V2	0	1223.8172	T28	1
T28	0	moving	Max V3	0	0	T28	0
T28	1	moving	Max V3	0	0	T28	1
T28	0	moving	Min V3	0	0	T28	0
T28	1	moving	Min V3	0	0	T28	1
T28	0	moving	Max T	0	2996.8099	T28	0
T28	1	moving	Max T	0	2292.916	T28	1
T28	0	moving	Min T	0	2750.4128	T28	0
T28	1	moving	Min T	0	2402.4392	T28	1
T28	0	moving	Max M2	0	0	T28	0
T28	1	moving	Max M2	0	0	T28	1
T28	0	moving	Min M2	0	0	T28	0
T28	1	moving	Min M2	0	0	T28	1
T28	0	moving	Max M3	0	4422.1138	T28	0
T28	1	moving	Max M3	0	3517.0908	T28	1
T28	0	moving	Min M3	0	-176.4483	T28	0
T28	1	moving	Min M3	0	-180.396	T28	1
T29	0	moving	Max P	0	0	T29	0
T29	2	moving	Max P	0	0	T29	2
T29	0	moving	Min P	0	0	T29	0
T29	2	moving	Min P	0	0	T29	2

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

Frame	Station	OutputCase	StepType	M2	M3	FrameElem	ElemStation
	m			KN-m	KN-m		m
T29	0	moving	Max V2	0	3434.4109	T29	0
T29	2	moving	Max V2	0	1177.4015	T29	2
T29	0	moving	Min V2	0	-14.1579	T29	0
T29	2	moving	Min V2	0	6.7529	T29	2
T29	0	moving	Max V3	0	0	T29	0
T29	2	moving	Max V3	0	0	T29	2
T29	0	moving	Min V3	0	0	T29	0
T29	2	moving	Min V3	0	0	T29	2
T29	0	moving	Max T	0	2324.2193	T29	0
T29	2	moving	Max T	0	828.9589	T29	2
T29	0	moving	Min T	0	1316.7006	T29	0
T29	2	moving	Min T	0	540.1841	T29	2
T29	0	moving	Max M2	0	0	T29	0
T29	2	moving	Max M2	0	0	T29	2
T29	0	moving	Min M2	0	0	T29	0
T29	2	moving	Min M2	0	0	T29	2
T29	0	moving	Max M3	0	3452.0631	T29	0
T29	2	moving	Max M3	0	1292.9859	T29	2
T29	0	moving	Min M3	0	-167.7867	T29	0
T29	2	moving	Min M3	0	-177.8453	T29	2
T32	0	moving	Max P	0	0	T32	0
T32	1	moving	Max P	0	0	T32	1
T32	0	moving	Min P	0	0	T32	0
T32	1	moving	Min P	0	0	T32	1
T32	0	moving	Max V2	0	1204.3696	T32	0
T32	1	moving	Max V2	0	-3.8942	T32	1
T32	0	moving	Min V2	0	-8.1714	T32	0
T32	1	moving	Min V2	0	2.3181	T32	1
T32	0	moving	Max V3	0	0	T32	0
T32	1	moving	Max V3	0	0	T32	1
T32	0	moving	Min V3	0	0	T32	0
T32	1	moving	Min V3	0	0	T32	1
T32	0	moving	Max T	0	842.9552	T32	0
T32	1	moving	Max T	0	22.3342	T32	1
T32	0	moving	Min T	0	243.7067	T32	0
T32	1	moving	Min T	0	-182.0914	T32	1
T32	0	moving	Max M2	0	0	T32	0
T32	1	moving	Max M2	0	0	T32	1
T32	0	moving	Min M2	0	0	T32	0
T32	1	moving	Min M2	0	0	T32	1
T32	0	moving	Max M3	0	1208.7325	T32	0
T32	1	moving	Max M3	0	46.5795	T32	1
T32	0	moving	Min M3	0	-152.567	T32	0
T32	1	moving	Min M3	0	-189.0271	T32	1

## 2. SOLETTA

### 2.1. Input: schema di carico - mezzeria soletta

**Table: Active Degrees of Freedom**

Table: Active Degrees of Freedom					
UX	UY	UZ	RX	RY	RZ
Yes	Yes	Yes	Yes	Yes	Yes

**Table: Analysis Options**

Table: Analysis Options				
Solver	SolverProc	Force32Bit	StiffCase	GeomMod
Advanced	Auto	No	None	None

**Table: Area Loads - Uniform**

Table: Area Loads - Uniform				
Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
42	Q5-FOLLA	GLOBAL	Gravity	5
43	Q5-FOLLA	GLOBAL	Gravity	5
68	Q5-FOLLA	GLOBAL	Gravity	5
69	Q5-FOLLA	GLOBAL	Gravity	5
146	Q5-FOLLA	GLOBAL	Gravity	5
147	Q5-FOLLA	GLOBAL	Gravity	5
172	Q5-FOLLA	GLOBAL	Gravity	5
173	Q5-FOLLA	GLOBAL	Gravity	5
224	q1k-A	GLOBAL	Gravity	2,5
224	G2-PAVIM	GLOBAL	Gravity	3
224	q1k-B	GLOBAL	Gravity	2,5
225	q1k-A	GLOBAL	Gravity	2,5
225	G2-PAVIM	GLOBAL	Gravity	3
225	q1k-B	GLOBAL	Gravity	2,5
250	q1k-A	GLOBAL	Gravity	2,5
250	G2-PAVIM	GLOBAL	Gravity	3
250	q1k-B	GLOBAL	Gravity	2,5
251	q1k-A	GLOBAL	Gravity	2,5
251	G2-PAVIM	GLOBAL	Gravity	3
251	q1k-B	GLOBAL	Gravity	2,5
276	q1k-A	GLOBAL	Gravity	2,5
276	G2-PAVIM	GLOBAL	Gravity	3
276	q1k-B	GLOBAL	Gravity	2,5
277	q1k-A	GLOBAL	Gravity	2,5
277	G2-PAVIM	GLOBAL	Gravity	3
277	q1k-B	GLOBAL	Gravity	2,5

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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
302	q1k-A	GLOBAL	Gravity	2,5
302	G2-PAVIM	GLOBAL	Gravity	3
302	q1k-B	GLOBAL	Gravity	2,5
303	q1k-A	GLOBAL	Gravity	2,5
303	G2-PAVIM	GLOBAL	Gravity	3
303	q1k-B	GLOBAL	Gravity	2,5
328	q1k-A	GLOBAL	Gravity	2,5
328	G2-PAVIM	GLOBAL	Gravity	3
328	q1k-B	GLOBAL	Gravity	2,5
329	q1k-A	GLOBAL	Gravity	2,5
329	G2-PAVIM	GLOBAL	Gravity	3
329	q1k-B	GLOBAL	Gravity	2,5
354	_Q1k-A	GLOBAL	Gravity	100
354	q1k-A	GLOBAL	Gravity	2,5
354	G2-PAVIM	GLOBAL	Gravity	3
354	_Q1k-B	GLOBAL	Gravity	150
354	q1k-B	GLOBAL	Gravity	9
355	_Q1k-A	GLOBAL	Gravity	100
355	q1k-A	GLOBAL	Gravity	2,5
355	G2-PAVIM	GLOBAL	Gravity	3
355	_Q1k-B	GLOBAL	Gravity	150
355	q1k-B	GLOBAL	Gravity	9
380	_Q1k-A	GLOBAL	Gravity	100
380	q1k-A	GLOBAL	Gravity	2,5
380	G2-PAVIM	GLOBAL	Gravity	3
380	_Q1k-B	GLOBAL	Gravity	150
380	q1k-B	GLOBAL	Gravity	9
381	_Q1k-A	GLOBAL	Gravity	100
381	q1k-A	GLOBAL	Gravity	2,5
381	G2-PAVIM	GLOBAL	Gravity	3
381	_Q1k-B	GLOBAL	Gravity	150
381	q1k-B	GLOBAL	Gravity	9
432	q1k-A	GLOBAL	Gravity	2,5
432	G2-PAVIM	GLOBAL	Gravity	3
432	q1k-B	GLOBAL	Gravity	9
433	q1k-A	GLOBAL	Gravity	2,5
433	G2-PAVIM	GLOBAL	Gravity	3
433	q1k-B	GLOBAL	Gravity	9
484	_Q1k-A	GLOBAL	Gravity	100
484	q1k-A	GLOBAL	Gravity	2,5
484	G2-PAVIM	GLOBAL	Gravity	3
484	_Q1k-B	GLOBAL	Gravity	150
484	q1k-B	GLOBAL	Gravity	9
484	_Q1k-C	GLOBAL	Gravity	150
484	q1k-C	GLOBAL	Gravity	9
485	_Q1k-A	GLOBAL	Gravity	100
485	q1k-A	GLOBAL	Gravity	2,5
485	G2-PAVIM	GLOBAL	Gravity	3
485	_Q1k-B	GLOBAL	Gravity	150
485	q1k-B	GLOBAL	Gravity	9
485	_Q1k-C	GLOBAL	Gravity	150
485	q1k-C	GLOBAL	Gravity	9
510	_Q1k-A	GLOBAL	Gravity	100

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
510	q1k-A	GLOBAL	Gravity	2,5
510	G2-PAVIM	GLOBAL	Gravity	3
510	_Q1k-B	GLOBAL	Gravity	150
510	q1k-B	GLOBAL	Gravity	9
510	_Q1k-D	GLOBAL	Gravity	150
510	q1k-D	GLOBAL	Gravity	9
510	_Q1k-C	GLOBAL	Gravity	150
510	q1k-C	GLOBAL	Gravity	9
511	_Q1k-A	GLOBAL	Gravity	100
511	q1k-A	GLOBAL	Gravity	2,5
511	G2-PAVIM	GLOBAL	Gravity	3
511	_Q1k-B	GLOBAL	Gravity	150
511	q1k-B	GLOBAL	Gravity	9
511	_Q1k-D	GLOBAL	Gravity	150
511	q1k-D	GLOBAL	Gravity	9
511	_Q1k-C	GLOBAL	Gravity	150
511	q1k-C	GLOBAL	Gravity	9
536	_Q1k-A	GLOBAL	Gravity	150
536	q1k-A	GLOBAL	Gravity	9
536	G2-PAVIM	GLOBAL	Gravity	3
536	_Q1k-B	GLOBAL	Gravity	100
536	q1k-B	GLOBAL	Gravity	2,5
536	_Q1k-D	GLOBAL	Gravity	150
536	q1k-D	GLOBAL	Gravity	9
536	q1k-C	GLOBAL	Gravity	9
537	_Q1k-A	GLOBAL	Gravity	150
537	q1k-A	GLOBAL	Gravity	9
537	G2-PAVIM	GLOBAL	Gravity	3
537	_Q1k-B	GLOBAL	Gravity	100
537	q1k-B	GLOBAL	Gravity	2,5
537	_Q1k-D	GLOBAL	Gravity	150
537	q1k-D	GLOBAL	Gravity	9
537	q1k-C	GLOBAL	Gravity	9
562	_Q1k-A	GLOBAL	Gravity	150
562	q1k-A	GLOBAL	Gravity	9
562	G2-PAVIM	GLOBAL	Gravity	3
562	_Q1k-B	GLOBAL	Gravity	100
562	q1k-B	GLOBAL	Gravity	2,5
562	q1k-D	GLOBAL	Gravity	9
562	q1k-C	GLOBAL	Gravity	9
563	_Q1k-A	GLOBAL	Gravity	150
563	q1k-A	GLOBAL	Gravity	9
563	G2-PAVIM	GLOBAL	Gravity	3
563	_Q1k-B	GLOBAL	Gravity	100
563	q1k-B	GLOBAL	Gravity	2,5
563	q1k-D	GLOBAL	Gravity	9
563	q1k-C	GLOBAL	Gravity	9
588	q1k-A	GLOBAL	Gravity	9
588	G2-PAVIM	GLOBAL	Gravity	3
588	q1k-B	GLOBAL	Gravity	2,5
588	q1k-D	GLOBAL	Gravity	9
588	_Q1k-C	GLOBAL	Gravity	150
588	q1k-C	GLOBAL	Gravity	9



AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
589	q1k-A	GLOBAL	Gravity	9
589	G2-PAVIM	GLOBAL	Gravity	3
589	q1k-B	GLOBAL	Gravity	2,5
589	q1k-D	GLOBAL	Gravity	9
589	_Q1k-C	GLOBAL	Gravity	150
589	q1k-C	GLOBAL	Gravity	9
614	q1k-A	GLOBAL	Gravity	9
614	G2-PAVIM	GLOBAL	Gravity	3
614	q1k-B	GLOBAL	Gravity	2,5
614	_Q1k-D	GLOBAL	Gravity	150
614	q1k-D	GLOBAL	Gravity	9
614	_Q1k-C	GLOBAL	Gravity	150
614	q1k-C	GLOBAL	Gravity	9
615	q1k-A	GLOBAL	Gravity	9
615	G2-PAVIM	GLOBAL	Gravity	3
615	q1k-B	GLOBAL	Gravity	2,5
615	_Q1k-D	GLOBAL	Gravity	150
615	q1k-D	GLOBAL	Gravity	9
615	_Q1k-C	GLOBAL	Gravity	150
615	q1k-C	GLOBAL	Gravity	9
640	_Q1k-A	GLOBAL	Gravity	150
640	q1k-A	GLOBAL	Gravity	9
640	G2-PAVIM	GLOBAL	Gravity	3
640	_Q1k-B	GLOBAL	Gravity	100
640	q1k-B	GLOBAL	Gravity	2,5
640	_Q1k-D	GLOBAL	Gravity	150
640	q1k-D	GLOBAL	Gravity	9
641	_Q1k-A	GLOBAL	Gravity	150
641	q1k-A	GLOBAL	Gravity	9
641	G2-PAVIM	GLOBAL	Gravity	3
641	_Q1k-B	GLOBAL	Gravity	100
641	q1k-B	GLOBAL	Gravity	2,5
641	_Q1k-D	GLOBAL	Gravity	150
641	q1k-D	GLOBAL	Gravity	9
666	_Q1k-A	GLOBAL	Gravity	150
666	q1k-A	GLOBAL	Gravity	9
666	G2-PAVIM	GLOBAL	Gravity	3
666	_Q1k-B	GLOBAL	Gravity	100
666	q1k-B	GLOBAL	Gravity	2,5
667	_Q1k-A	GLOBAL	Gravity	150
667	q1k-A	GLOBAL	Gravity	9
667	G2-PAVIM	GLOBAL	Gravity	3
667	_Q1k-B	GLOBAL	Gravity	100
667	q1k-B	GLOBAL	Gravity	2,5
692	_Q1k-A	GLOBAL	Gravity	150
692	q1k-A	GLOBAL	Gravity	9
692	G2-PAVIM	GLOBAL	Gravity	3
692	_Q1k-B	GLOBAL	Gravity	100
692	q1k-B	GLOBAL	Gravity	2,5
693	_Q1k-A	GLOBAL	Gravity	150
693	q1k-A	GLOBAL	Gravity	9
693	G2-PAVIM	GLOBAL	Gravity	3
693	_Q1k-B	GLOBAL	Gravity	100

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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
693	q1k-B	GLOBAL	Gravity	2,5
709	Q5-FOLLA	GLOBAL	Gravity	5
710	Q5-FOLLA	GLOBAL	Gravity	5
711	Q5-FOLLA	GLOBAL	Gravity	5
712	Q5-FOLLA	GLOBAL	Gravity	5
717	Q5-FOLLA	GLOBAL	Gravity	5
718	Q5-FOLLA	GLOBAL	Gravity	5
719	Q5-FOLLA	GLOBAL	Gravity	5
720	Q5-FOLLA	GLOBAL	Gravity	5
723	q1k-A	GLOBAL	Gravity	2,5
723	G2-PAVIM	GLOBAL	Gravity	3
723	q1k-B	GLOBAL	Gravity	2,5
724	q1k-A	GLOBAL	Gravity	2,5
724	G2-PAVIM	GLOBAL	Gravity	3
724	q1k-B	GLOBAL	Gravity	2,5
725	q1k-A	GLOBAL	Gravity	2,5
725	G2-PAVIM	GLOBAL	Gravity	3
725	q1k-B	GLOBAL	Gravity	2,5
726	q1k-A	GLOBAL	Gravity	2,5
726	G2-PAVIM	GLOBAL	Gravity	3
726	q1k-B	GLOBAL	Gravity	2,5
727	q1k-A	GLOBAL	Gravity	2,5
727	G2-PAVIM	GLOBAL	Gravity	3
727	q1k-B	GLOBAL	Gravity	2,5
728	q1k-A	GLOBAL	Gravity	2,5
728	G2-PAVIM	GLOBAL	Gravity	3
728	q1k-B	GLOBAL	Gravity	2,5
729	q1k-A	GLOBAL	Gravity	2,5
729	G2-PAVIM	GLOBAL	Gravity	3
729	q1k-B	GLOBAL	Gravity	2,5
730	q1k-A	GLOBAL	Gravity	2,5
730	G2-PAVIM	GLOBAL	Gravity	3
730	q1k-B	GLOBAL	Gravity	2,5
731	q1k-A	GLOBAL	Gravity	2,5
731	G2-PAVIM	GLOBAL	Gravity	3
731	q1k-B	GLOBAL	Gravity	2,5
732	q1k-A	GLOBAL	Gravity	2,5
732	G2-PAVIM	GLOBAL	Gravity	3
732	q1k-B	GLOBAL	Gravity	2,5
733	q1k-A	GLOBAL	Gravity	2,5
733	G2-PAVIM	GLOBAL	Gravity	3
733	q1k-B	GLOBAL	Gravity	9
734	_Q1k-A	GLOBAL	Gravity	100
734	q1k-A	GLOBAL	Gravity	2,5
734	G2-PAVIM	GLOBAL	Gravity	3
734	_Q1k-B	GLOBAL	Gravity	150
734	q1k-B	GLOBAL	Gravity	9
735	q1k-A	GLOBAL	Gravity	2,5
735	G2-PAVIM	GLOBAL	Gravity	3
735	q1k-B	GLOBAL	Gravity	9
736	_Q1k-A	GLOBAL	Gravity	100
736	q1k-A	GLOBAL	Gravity	2,5
736	G2-PAVIM	GLOBAL	Gravity	3

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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
736	_Q1k-B	GLOBAL	Gravity	150
736	q1k-B	GLOBAL	Gravity	9
739	q1k-A	GLOBAL	Gravity	2,5
739	G2-PAVIM	GLOBAL	Gravity	3
739	q1k-B	GLOBAL	Gravity	9
740	q1k-A	GLOBAL	Gravity	2,5
740	G2-PAVIM	GLOBAL	Gravity	3
740	q1k-B	GLOBAL	Gravity	9
743	q1k-A	GLOBAL	Gravity	2,5
743	G2-PAVIM	GLOBAL	Gravity	3
743	q1k-B	GLOBAL	Gravity	9
743	q1k-C	GLOBAL	Gravity	9
744	_Q1k-A	GLOBAL	Gravity	100
744	q1k-A	GLOBAL	Gravity	2,5
744	G2-PAVIM	GLOBAL	Gravity	3
744	_Q1k-B	GLOBAL	Gravity	150
744	q1k-B	GLOBAL	Gravity	9
744	_Q1k-C	GLOBAL	Gravity	150
744	q1k-C	GLOBAL	Gravity	9
745	q1k-A	GLOBAL	Gravity	2,5
745	G2-PAVIM	GLOBAL	Gravity	3
745	q1k-B	GLOBAL	Gravity	9
745	q1k-D	GLOBAL	Gravity	9
745	q1k-C	GLOBAL	Gravity	9
746	_Q1k-A	GLOBAL	Gravity	100
746	q1k-A	GLOBAL	Gravity	2,5
746	G2-PAVIM	GLOBAL	Gravity	3
746	_Q1k-B	GLOBAL	Gravity	150
746	q1k-B	GLOBAL	Gravity	9
746	_Q1k-D	GLOBAL	Gravity	150
746	q1k-D	GLOBAL	Gravity	9
746	_Q1k-C	GLOBAL	Gravity	150
746	q1k-C	GLOBAL	Gravity	9
747	q1k-A	GLOBAL	Gravity	9
747	G2-PAVIM	GLOBAL	Gravity	3
747	q1k-B	GLOBAL	Gravity	2,5
747	q1k-D	GLOBAL	Gravity	9
747	q1k-C	GLOBAL	Gravity	9
748	_Q1k-A	GLOBAL	Gravity	150
748	q1k-A	GLOBAL	Gravity	9
748	G2-PAVIM	GLOBAL	Gravity	3
748	_Q1k-B	GLOBAL	Gravity	100
748	q1k-B	GLOBAL	Gravity	2,5
748	_Q1k-D	GLOBAL	Gravity	150
748	q1k-D	GLOBAL	Gravity	9
748	q1k-C	GLOBAL	Gravity	9
749	q1k-A	GLOBAL	Gravity	9
749	G2-PAVIM	GLOBAL	Gravity	3
749	q1k-B	GLOBAL	Gravity	2,5
749	q1k-D	GLOBAL	Gravity	9
749	q1k-C	GLOBAL	Gravity	9
750	_Q1k-A	GLOBAL	Gravity	150
750	q1k-A	GLOBAL	Gravity	9

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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
750	G2-PAVIM	GLOBAL	Gravity	3
750	_Q1k-B	GLOBAL	Gravity	100
750	q1k-B	GLOBAL	Gravity	2,5
750	q1k-D	GLOBAL	Gravity	9
750	q1k-C	GLOBAL	Gravity	9
751	q1k-A	GLOBAL	Gravity	9
751	G2-PAVIM	GLOBAL	Gravity	3
751	q1k-B	GLOBAL	Gravity	2,5
751	q1k-D	GLOBAL	Gravity	9
751	q1k-C	GLOBAL	Gravity	9
752	q1k-A	GLOBAL	Gravity	9
752	G2-PAVIM	GLOBAL	Gravity	3
752	q1k-B	GLOBAL	Gravity	2,5
752	q1k-D	GLOBAL	Gravity	9
752	_Q1k-C	GLOBAL	Gravity	150
752	q1k-C	GLOBAL	Gravity	9
753	q1k-A	GLOBAL	Gravity	9
753	G2-PAVIM	GLOBAL	Gravity	3
753	q1k-B	GLOBAL	Gravity	2,5
753	q1k-D	GLOBAL	Gravity	9
753	q1k-C	GLOBAL	Gravity	9
754	q1k-A	GLOBAL	Gravity	9
754	G2-PAVIM	GLOBAL	Gravity	3
754	q1k-B	GLOBAL	Gravity	2,5
754	_Q1k-D	GLOBAL	Gravity	150
754	q1k-D	GLOBAL	Gravity	9
754	_Q1k-C	GLOBAL	Gravity	150
754	q1k-C	GLOBAL	Gravity	9
755	q1k-A	GLOBAL	Gravity	9
755	G2-PAVIM	GLOBAL	Gravity	3
755	q1k-B	GLOBAL	Gravity	2,5
755	q1k-D	GLOBAL	Gravity	9
756	_Q1k-A	GLOBAL	Gravity	150
756	q1k-A	GLOBAL	Gravity	9
756	G2-PAVIM	GLOBAL	Gravity	3
756	_Q1k-B	GLOBAL	Gravity	100
756	q1k-B	GLOBAL	Gravity	2,5
756	_Q1k-D	GLOBAL	Gravity	150
756	q1k-D	GLOBAL	Gravity	9
757	q1k-A	GLOBAL	Gravity	9
757	G2-PAVIM	GLOBAL	Gravity	3
757	q1k-B	GLOBAL	Gravity	2,5
758	_Q1k-A	GLOBAL	Gravity	150
758	q1k-A	GLOBAL	Gravity	9
758	G2-PAVIM	GLOBAL	Gravity	3
758	_Q1k-B	GLOBAL	Gravity	100
758	q1k-B	GLOBAL	Gravity	2,5
759	q1k-A	GLOBAL	Gravity	9
759	G2-PAVIM	GLOBAL	Gravity	3
759	q1k-B	GLOBAL	Gravity	2,5
760	_Q1k-A	GLOBAL	Gravity	150
760	q1k-A	GLOBAL	Gravity	9
760	G2-PAVIM	GLOBAL	Gravity	3

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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
760	_Q1k-B	GLOBAL	Gravity	100
760	q1k-B	GLOBAL	Gravity	2,5
765	Q5-FOLLA	GLOBAL	Gravity	5
766	Q5-FOLLA	GLOBAL	Gravity	5
767	Q5-FOLLA	GLOBAL	Gravity	5
768	Q5-FOLLA	GLOBAL	Gravity	5
769	Q5-FOLLA	GLOBAL	Gravity	5
770	Q5-FOLLA	GLOBAL	Gravity	5
771	Q5-FOLLA	GLOBAL	Gravity	5
772	Q5-FOLLA	GLOBAL	Gravity	5
781	Q5-FOLLA	GLOBAL	Gravity	5
782	Q5-FOLLA	GLOBAL	Gravity	5
783	Q5-FOLLA	GLOBAL	Gravity	5
784	Q5-FOLLA	GLOBAL	Gravity	5
785	Q5-FOLLA	GLOBAL	Gravity	5
786	Q5-FOLLA	GLOBAL	Gravity	5
787	Q5-FOLLA	GLOBAL	Gravity	5
788	Q5-FOLLA	GLOBAL	Gravity	5
793	q1k-A	GLOBAL	Gravity	2,5
793	G2-PAVIM	GLOBAL	Gravity	3
793	q1k-B	GLOBAL	Gravity	2,5
794	q1k-A	GLOBAL	Gravity	2,5
794	G2-PAVIM	GLOBAL	Gravity	3
794	q1k-B	GLOBAL	Gravity	2,5
795	q1k-A	GLOBAL	Gravity	2,5
795	G2-PAVIM	GLOBAL	Gravity	3
795	q1k-B	GLOBAL	Gravity	2,5
796	q1k-A	GLOBAL	Gravity	2,5
796	G2-PAVIM	GLOBAL	Gravity	3
796	q1k-B	GLOBAL	Gravity	2,5
797	q1k-A	GLOBAL	Gravity	2,5
797	G2-PAVIM	GLOBAL	Gravity	3
797	q1k-B	GLOBAL	Gravity	2,5
798	q1k-A	GLOBAL	Gravity	2,5
798	G2-PAVIM	GLOBAL	Gravity	3
798	q1k-B	GLOBAL	Gravity	2,5
799	q1k-A	GLOBAL	Gravity	2,5
799	G2-PAVIM	GLOBAL	Gravity	3
799	q1k-B	GLOBAL	Gravity	2,5
800	q1k-A	GLOBAL	Gravity	2,5
800	G2-PAVIM	GLOBAL	Gravity	3
800	q1k-B	GLOBAL	Gravity	2,5
801	q1k-A	GLOBAL	Gravity	2,5
801	G2-PAVIM	GLOBAL	Gravity	3
801	q1k-B	GLOBAL	Gravity	2,5
802	q1k-A	GLOBAL	Gravity	2,5
802	G2-PAVIM	GLOBAL	Gravity	3
802	q1k-B	GLOBAL	Gravity	2,5
803	q1k-A	GLOBAL	Gravity	2,5
803	G2-PAVIM	GLOBAL	Gravity	3
803	q1k-B	GLOBAL	Gravity	2,5
804	q1k-A	GLOBAL	Gravity	2,5
804	G2-PAVIM	GLOBAL	Gravity	3

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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
804	q1k-B	GLOBAL	Gravity	2,5
805	q1k-A	GLOBAL	Gravity	2,5
805	G2-PAVIM	GLOBAL	Gravity	3
805	q1k-B	GLOBAL	Gravity	2,5
806	q1k-A	GLOBAL	Gravity	2,5
806	G2-PAVIM	GLOBAL	Gravity	3
806	q1k-B	GLOBAL	Gravity	2,5
807	q1k-A	GLOBAL	Gravity	2,5
807	G2-PAVIM	GLOBAL	Gravity	3
807	q1k-B	GLOBAL	Gravity	2,5
808	q1k-A	GLOBAL	Gravity	2,5
808	G2-PAVIM	GLOBAL	Gravity	3
808	q1k-B	GLOBAL	Gravity	2,5
809	q1k-A	GLOBAL	Gravity	2,5
809	G2-PAVIM	GLOBAL	Gravity	3
809	q1k-B	GLOBAL	Gravity	2,5
810	q1k-A	GLOBAL	Gravity	2,5
810	G2-PAVIM	GLOBAL	Gravity	3
810	q1k-B	GLOBAL	Gravity	2,5
811	q1k-A	GLOBAL	Gravity	2,5
811	G2-PAVIM	GLOBAL	Gravity	3
811	q1k-B	GLOBAL	Gravity	2,5
812	q1k-A	GLOBAL	Gravity	2,5
812	G2-PAVIM	GLOBAL	Gravity	3
812	q1k-B	GLOBAL	Gravity	2,5
813	_Q1k-A	GLOBAL	Gravity	100
813	q1k-A	GLOBAL	Gravity	2,5
813	G2-PAVIM	GLOBAL	Gravity	3
813	_Q1k-B	GLOBAL	Gravity	150
813	q1k-B	GLOBAL	Gravity	9
814	_Q1k-A	GLOBAL	Gravity	100
814	q1k-A	GLOBAL	Gravity	2,5
814	G2-PAVIM	GLOBAL	Gravity	3
814	_Q1k-B	GLOBAL	Gravity	150
814	q1k-B	GLOBAL	Gravity	9
815	_Q1k-A	GLOBAL	Gravity	100
815	q1k-A	GLOBAL	Gravity	2,5
815	G2-PAVIM	GLOBAL	Gravity	3
815	_Q1k-B	GLOBAL	Gravity	150
815	q1k-B	GLOBAL	Gravity	9
816	q1k-A	GLOBAL	Gravity	2,5
816	G2-PAVIM	GLOBAL	Gravity	3
816	q1k-B	GLOBAL	Gravity	9
817	_Q1k-A	GLOBAL	Gravity	100
817	q1k-A	GLOBAL	Gravity	2,5
817	G2-PAVIM	GLOBAL	Gravity	3
817	_Q1k-B	GLOBAL	Gravity	150
817	q1k-B	GLOBAL	Gravity	9
818	_Q1k-A	GLOBAL	Gravity	100
818	q1k-A	GLOBAL	Gravity	2,5
818	G2-PAVIM	GLOBAL	Gravity	3
818	_Q1k-B	GLOBAL	Gravity	150
818	q1k-B	GLOBAL	Gravity	9

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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
819	_Q1k-A	GLOBAL	Gravity	100
819	q1k-A	GLOBAL	Gravity	2,5
819	G2-PAVIM	GLOBAL	Gravity	3
819	_Q1k-B	GLOBAL	Gravity	150
819	q1k-B	GLOBAL	Gravity	9
820	q1k-A	GLOBAL	Gravity	2,5
820	G2-PAVIM	GLOBAL	Gravity	3
820	q1k-B	GLOBAL	Gravity	9
825	q1k-A	GLOBAL	Gravity	2,5
825	G2-PAVIM	GLOBAL	Gravity	3
825	q1k-B	GLOBAL	Gravity	9
826	q1k-A	GLOBAL	Gravity	2,5
826	G2-PAVIM	GLOBAL	Gravity	3
826	q1k-B	GLOBAL	Gravity	9
827	q1k-A	GLOBAL	Gravity	2,5
827	G2-PAVIM	GLOBAL	Gravity	3
827	q1k-B	GLOBAL	Gravity	9
828	q1k-A	GLOBAL	Gravity	2,5
828	G2-PAVIM	GLOBAL	Gravity	3
828	q1k-B	GLOBAL	Gravity	9
833	_Q1k-A	GLOBAL	Gravity	100
833	q1k-A	GLOBAL	Gravity	2,5
833	G2-PAVIM	GLOBAL	Gravity	3
833	_Q1k-B	GLOBAL	Gravity	150
833	q1k-B	GLOBAL	Gravity	9
833	_Q1k-C	GLOBAL	Gravity	150
833	q1k-C	GLOBAL	Gravity	9
834	_Q1k-A	GLOBAL	Gravity	100
834	q1k-A	GLOBAL	Gravity	2,5
834	G2-PAVIM	GLOBAL	Gravity	3
834	_Q1k-B	GLOBAL	Gravity	150
834	q1k-B	GLOBAL	Gravity	9
834	_Q1k-C	GLOBAL	Gravity	150
834	q1k-C	GLOBAL	Gravity	9
835	_Q1k-A	GLOBAL	Gravity	100
835	q1k-A	GLOBAL	Gravity	2,5
835	G2-PAVIM	GLOBAL	Gravity	3
835	_Q1k-B	GLOBAL	Gravity	150
835	q1k-B	GLOBAL	Gravity	9
835	_Q1k-C	GLOBAL	Gravity	150
835	q1k-C	GLOBAL	Gravity	9
836	q1k-A	GLOBAL	Gravity	2,5
836	G2-PAVIM	GLOBAL	Gravity	3
836	q1k-B	GLOBAL	Gravity	9
836	q1k-C	GLOBAL	Gravity	9
837	_Q1k-A	GLOBAL	Gravity	100
837	q1k-A	GLOBAL	Gravity	2,5
837	G2-PAVIM	GLOBAL	Gravity	3
837	_Q1k-B	GLOBAL	Gravity	150
837	q1k-B	GLOBAL	Gravity	9
837	_Q1k-D	GLOBAL	Gravity	150
837	q1k-D	GLOBAL	Gravity	9
837	_Q1k-C	GLOBAL	Gravity	150

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
837	q1k-C	GLOBAL	Gravity	9
838	_Q1k-A	GLOBAL	Gravity	100
838	q1k-A	GLOBAL	Gravity	2,5
838	G2-PAVIM	GLOBAL	Gravity	3
838	_Q1k-B	GLOBAL	Gravity	150
838	q1k-B	GLOBAL	Gravity	9
838	_Q1k-D	GLOBAL	Gravity	150
838	q1k-D	GLOBAL	Gravity	9
838	_Q1k-C	GLOBAL	Gravity	150
838	q1k-C	GLOBAL	Gravity	9
839	_Q1k-A	GLOBAL	Gravity	100
839	q1k-A	GLOBAL	Gravity	2,5
839	G2-PAVIM	GLOBAL	Gravity	3
839	_Q1k-B	GLOBAL	Gravity	150
839	q1k-B	GLOBAL	Gravity	9
839	_Q1k-D	GLOBAL	Gravity	150
839	q1k-D	GLOBAL	Gravity	9
839	_Q1k-C	GLOBAL	Gravity	150
839	q1k-C	GLOBAL	Gravity	9
840	q1k-A	GLOBAL	Gravity	2,5
840	G2-PAVIM	GLOBAL	Gravity	3
840	q1k-B	GLOBAL	Gravity	9
840	q1k-D	GLOBAL	Gravity	9
840	q1k-C	GLOBAL	Gravity	9
841	_Q1k-A	GLOBAL	Gravity	150
841	q1k-A	GLOBAL	Gravity	9
841	G2-PAVIM	GLOBAL	Gravity	3
841	_Q1k-B	GLOBAL	Gravity	100
841	q1k-B	GLOBAL	Gravity	2,5
841	_Q1k-D	GLOBAL	Gravity	150
841	q1k-D	GLOBAL	Gravity	9
841	q1k-C	GLOBAL	Gravity	9
842	_Q1k-A	GLOBAL	Gravity	150
842	q1k-A	GLOBAL	Gravity	9
842	G2-PAVIM	GLOBAL	Gravity	3
842	_Q1k-B	GLOBAL	Gravity	100
842	q1k-B	GLOBAL	Gravity	2,5
842	_Q1k-D	GLOBAL	Gravity	150
842	q1k-D	GLOBAL	Gravity	9
842	q1k-C	GLOBAL	Gravity	9
843	_Q1k-A	GLOBAL	Gravity	150
843	q1k-A	GLOBAL	Gravity	9
843	G2-PAVIM	GLOBAL	Gravity	3
843	_Q1k-B	GLOBAL	Gravity	100
843	q1k-B	GLOBAL	Gravity	2,5
843	_Q1k-D	GLOBAL	Gravity	150
843	q1k-D	GLOBAL	Gravity	9
843	q1k-C	GLOBAL	Gravity	9
844	q1k-A	GLOBAL	Gravity	9
844	G2-PAVIM	GLOBAL	Gravity	3
844	q1k-B	GLOBAL	Gravity	2,5
844	q1k-D	GLOBAL	Gravity	9
844	q1k-C	GLOBAL	Gravity	9



AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
845	_Q1k-A	GLOBAL	Gravity	150
845	q1k-A	GLOBAL	Gravity	9
845	G2-PAVIM	GLOBAL	Gravity	3
845	_Q1k-B	GLOBAL	Gravity	100
845	q1k-B	GLOBAL	Gravity	2,5
845	q1k-D	GLOBAL	Gravity	9
845	q1k-C	GLOBAL	Gravity	9
846	_Q1k-A	GLOBAL	Gravity	150
846	q1k-A	GLOBAL	Gravity	9
846	G2-PAVIM	GLOBAL	Gravity	3
846	_Q1k-B	GLOBAL	Gravity	100
846	q1k-B	GLOBAL	Gravity	2,5
846	q1k-D	GLOBAL	Gravity	9
846	q1k-C	GLOBAL	Gravity	9
847	_Q1k-A	GLOBAL	Gravity	150
847	q1k-A	GLOBAL	Gravity	9
847	G2-PAVIM	GLOBAL	Gravity	3
847	_Q1k-B	GLOBAL	Gravity	100
847	q1k-B	GLOBAL	Gravity	2,5
847	q1k-D	GLOBAL	Gravity	9
847	q1k-C	GLOBAL	Gravity	9
848	q1k-A	GLOBAL	Gravity	9
848	G2-PAVIM	GLOBAL	Gravity	3
848	q1k-B	GLOBAL	Gravity	2,5
848	q1k-D	GLOBAL	Gravity	9
848	q1k-C	GLOBAL	Gravity	9
849	q1k-A	GLOBAL	Gravity	9
849	G2-PAVIM	GLOBAL	Gravity	3
849	q1k-B	GLOBAL	Gravity	2,5
849	q1k-D	GLOBAL	Gravity	9
849	_Q1k-C	GLOBAL	Gravity	150
849	q1k-C	GLOBAL	Gravity	9
850	q1k-A	GLOBAL	Gravity	9
850	G2-PAVIM	GLOBAL	Gravity	3
850	q1k-B	GLOBAL	Gravity	2,5
850	q1k-D	GLOBAL	Gravity	9
850	_Q1k-C	GLOBAL	Gravity	150
850	q1k-C	GLOBAL	Gravity	9
851	q1k-A	GLOBAL	Gravity	9
851	G2-PAVIM	GLOBAL	Gravity	3
851	q1k-B	GLOBAL	Gravity	2,5
851	q1k-D	GLOBAL	Gravity	9
851	_Q1k-C	GLOBAL	Gravity	150
851	q1k-C	GLOBAL	Gravity	9
852	q1k-A	GLOBAL	Gravity	9
852	G2-PAVIM	GLOBAL	Gravity	3
852	q1k-B	GLOBAL	Gravity	2,5
852	q1k-D	GLOBAL	Gravity	9
852	q1k-C	GLOBAL	Gravity	9
853	q1k-A	GLOBAL	Gravity	9
853	G2-PAVIM	GLOBAL	Gravity	3
853	q1k-B	GLOBAL	Gravity	2,5
853	_Q1k-D	GLOBAL	Gravity	150

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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
853	q1k-D	GLOBAL	Gravity	9
853	_Q1k-C	GLOBAL	Gravity	150
853	q1k-C	GLOBAL	Gravity	9
854	q1k-A	GLOBAL	Gravity	9
854	G2-PAVIM	GLOBAL	Gravity	3
854	q1k-B	GLOBAL	Gravity	2,5
854	_Q1k-D	GLOBAL	Gravity	150
854	q1k-D	GLOBAL	Gravity	9
854	_Q1k-C	GLOBAL	Gravity	150
854	q1k-C	GLOBAL	Gravity	9
855	q1k-A	GLOBAL	Gravity	9
855	G2-PAVIM	GLOBAL	Gravity	3
855	q1k-B	GLOBAL	Gravity	2,5
855	_Q1k-D	GLOBAL	Gravity	150
855	q1k-D	GLOBAL	Gravity	9
855	_Q1k-C	GLOBAL	Gravity	150
855	q1k-C	GLOBAL	Gravity	9
856	q1k-A	GLOBAL	Gravity	9
856	G2-PAVIM	GLOBAL	Gravity	3
856	q1k-B	GLOBAL	Gravity	2,5
856	q1k-D	GLOBAL	Gravity	9
856	q1k-C	GLOBAL	Gravity	9
857	_Q1k-A	GLOBAL	Gravity	150
857	q1k-A	GLOBAL	Gravity	9
857	G2-PAVIM	GLOBAL	Gravity	3
857	_Q1k-B	GLOBAL	Gravity	100
857	q1k-B	GLOBAL	Gravity	2,5
857	_Q1k-D	GLOBAL	Gravity	150
857	q1k-D	GLOBAL	Gravity	9
858	_Q1k-A	GLOBAL	Gravity	150
858	q1k-A	GLOBAL	Gravity	9
858	G2-PAVIM	GLOBAL	Gravity	3
858	_Q1k-B	GLOBAL	Gravity	100
858	q1k-B	GLOBAL	Gravity	2,5
858	_Q1k-D	GLOBAL	Gravity	150
858	q1k-D	GLOBAL	Gravity	9
859	_Q1k-A	GLOBAL	Gravity	150
859	q1k-A	GLOBAL	Gravity	9
859	G2-PAVIM	GLOBAL	Gravity	3
859	_Q1k-B	GLOBAL	Gravity	100
859	q1k-B	GLOBAL	Gravity	2,5
859	_Q1k-D	GLOBAL	Gravity	150
859	q1k-D	GLOBAL	Gravity	9
860	q1k-A	GLOBAL	Gravity	9
860	G2-PAVIM	GLOBAL	Gravity	3
860	q1k-B	GLOBAL	Gravity	2,5
860	q1k-D	GLOBAL	Gravity	9
861	_Q1k-A	GLOBAL	Gravity	150
861	q1k-A	GLOBAL	Gravity	9
861	G2-PAVIM	GLOBAL	Gravity	3
861	_Q1k-B	GLOBAL	Gravity	100
861	q1k-B	GLOBAL	Gravity	2,5
862	_Q1k-A	GLOBAL	Gravity	150

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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
862	q1k-A	GLOBAL	Gravity	9
862	G2-PAVIM	GLOBAL	Gravity	3
862	_Q1k-B	GLOBAL	Gravity	100
862	q1k-B	GLOBAL	Gravity	2,5
863	_Q1k-A	GLOBAL	Gravity	150
863	q1k-A	GLOBAL	Gravity	9
863	G2-PAVIM	GLOBAL	Gravity	3
863	_Q1k-B	GLOBAL	Gravity	100
863	q1k-B	GLOBAL	Gravity	2,5
864	q1k-A	GLOBAL	Gravity	9
864	G2-PAVIM	GLOBAL	Gravity	3
864	q1k-B	GLOBAL	Gravity	2,5
865	_Q1k-A	GLOBAL	Gravity	150
865	q1k-A	GLOBAL	Gravity	9
865	G2-PAVIM	GLOBAL	Gravity	3
865	_Q1k-B	GLOBAL	Gravity	100
865	q1k-B	GLOBAL	Gravity	2,5
866	_Q1k-A	GLOBAL	Gravity	150
866	q1k-A	GLOBAL	Gravity	9
866	G2-PAVIM	GLOBAL	Gravity	3
866	_Q1k-B	GLOBAL	Gravity	100
866	q1k-B	GLOBAL	Gravity	2,5
867	_Q1k-A	GLOBAL	Gravity	150
867	q1k-A	GLOBAL	Gravity	9
867	G2-PAVIM	GLOBAL	Gravity	3
867	_Q1k-B	GLOBAL	Gravity	100
867	q1k-B	GLOBAL	Gravity	2,5
868	q1k-A	GLOBAL	Gravity	9
868	G2-PAVIM	GLOBAL	Gravity	3
868	q1k-B	GLOBAL	Gravity	2,5
891	q1k-A	GLOBAL	Gravity	2,5
891	G2-PAVIM	GLOBAL	Gravity	3
891	q1k-B	GLOBAL	Gravity	9
892	_Q1k-A	GLOBAL	Gravity	100
892	q1k-A	GLOBAL	Gravity	2,5
892	G2-PAVIM	GLOBAL	Gravity	3
892	_Q1k-B	GLOBAL	Gravity	150
892	q1k-B	GLOBAL	Gravity	9
892	_Q1k-C	GLOBAL	Gravity	150
892	q1k-C	GLOBAL	Gravity	9
893	q1k-A	GLOBAL	Gravity	2,5
893	G2-PAVIM	GLOBAL	Gravity	3
893	q1k-B	GLOBAL	Gravity	9
894	_Q1k-A	GLOBAL	Gravity	100
894	q1k-A	GLOBAL	Gravity	2,5
894	G2-PAVIM	GLOBAL	Gravity	3
894	_Q1k-B	GLOBAL	Gravity	150
894	q1k-B	GLOBAL	Gravity	9
894	_Q1k-C	GLOBAL	Gravity	150
894	q1k-C	GLOBAL	Gravity	9
915	q1k-A	GLOBAL	Gravity	2,5
915	G2-PAVIM	GLOBAL	Gravity	3
915	q1k-B	GLOBAL	Gravity	9

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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
916	q1k-A	GLOBAL	Gravity	2,5
916	G2-PAVIM	GLOBAL	Gravity	3
916	q1k-B	GLOBAL	Gravity	9
916	q1k-C	GLOBAL	Gravity	9
917	q1k-A	GLOBAL	Gravity	2,5
917	G2-PAVIM	GLOBAL	Gravity	3
917	q1k-B	GLOBAL	Gravity	9
918	_Q1k-A	GLOBAL	Gravity	100
918	q1k-A	GLOBAL	Gravity	2,5
918	G2-PAVIM	GLOBAL	Gravity	3
918	_Q1k-B	GLOBAL	Gravity	150
918	q1k-B	GLOBAL	Gravity	9
918	_Q1k-C	GLOBAL	Gravity	150
918	q1k-C	GLOBAL	Gravity	9
919	q1k-A	GLOBAL	Gravity	2,5
919	G2-PAVIM	GLOBAL	Gravity	3
919	q1k-B	GLOBAL	Gravity	9
920	_Q1k-A	GLOBAL	Gravity	100
920	q1k-A	GLOBAL	Gravity	2,5
920	G2-PAVIM	GLOBAL	Gravity	3
920	_Q1k-B	GLOBAL	Gravity	150
920	q1k-B	GLOBAL	Gravity	9
920	_Q1k-C	GLOBAL	Gravity	150
920	q1k-C	GLOBAL	Gravity	9
921	q1k-A	GLOBAL	Gravity	2,5
921	G2-PAVIM	GLOBAL	Gravity	3
921	q1k-B	GLOBAL	Gravity	9
922	_Q1k-A	GLOBAL	Gravity	100
922	q1k-A	GLOBAL	Gravity	2,5
922	G2-PAVIM	GLOBAL	Gravity	3
922	_Q1k-B	GLOBAL	Gravity	150
922	q1k-B	GLOBAL	Gravity	9
922	_Q1k-C	GLOBAL	Gravity	150
922	q1k-C	GLOBAL	Gravity	9
923	q1k-A	GLOBAL	Gravity	2,5
923	G2-PAVIM	GLOBAL	Gravity	3
923	q1k-B	GLOBAL	Gravity	9
924	_Q1k-A	GLOBAL	Gravity	100
924	q1k-A	GLOBAL	Gravity	2,5
924	G2-PAVIM	GLOBAL	Gravity	3
924	_Q1k-B	GLOBAL	Gravity	150
924	q1k-B	GLOBAL	Gravity	9
924	_Q1k-C	GLOBAL	Gravity	150
924	q1k-C	GLOBAL	Gravity	9
925	q1k-A	GLOBAL	Gravity	2,5
925	G2-PAVIM	GLOBAL	Gravity	3
925	q1k-B	GLOBAL	Gravity	9
926	q1k-A	GLOBAL	Gravity	2,5
926	G2-PAVIM	GLOBAL	Gravity	3
926	q1k-B	GLOBAL	Gravity	9
926	q1k-C	GLOBAL	Gravity	9
960	_Q1k-A	GLOBAL	Gravity	100
960	q1k-A	GLOBAL	Gravity	2,5

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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
960	G2-PAVIM	GLOBAL	Gravity	3
960	_Q1k-B	GLOBAL	Gravity	150
960	q1k-B	GLOBAL	Gravity	9
961	q1k-A	GLOBAL	Gravity	2,5
961	G2-PAVIM	GLOBAL	Gravity	3
961	q1k-B	GLOBAL	Gravity	9
962	q1k-A	GLOBAL	Gravity	2,5
962	G2-PAVIM	GLOBAL	Gravity	3
962	q1k-B	GLOBAL	Gravity	9
963	_Q1k-A	GLOBAL	Gravity	100
963	q1k-A	GLOBAL	Gravity	2,5
963	G2-PAVIM	GLOBAL	Gravity	3
963	_Q1k-B	GLOBAL	Gravity	150
963	q1k-B	GLOBAL	Gravity	9
964	q1k-A	GLOBAL	Gravity	2,5
964	G2-PAVIM	GLOBAL	Gravity	3
964	q1k-B	GLOBAL	Gravity	9
965	q1k-A	GLOBAL	Gravity	2,5
965	G2-PAVIM	GLOBAL	Gravity	3
965	q1k-B	GLOBAL	Gravity	9
996	q1k-A	GLOBAL	Gravity	2,5
996	G2-PAVIM	GLOBAL	Gravity	3
996	q1k-B	GLOBAL	Gravity	9
997	q1k-A	GLOBAL	Gravity	2,5
997	G2-PAVIM	GLOBAL	Gravity	3
997	q1k-B	GLOBAL	Gravity	9
998	q1k-A	GLOBAL	Gravity	2,5
998	G2-PAVIM	GLOBAL	Gravity	3
998	q1k-B	GLOBAL	Gravity	9
999	_Q1k-A	GLOBAL	Gravity	100
999	q1k-A	GLOBAL	Gravity	2,5
999	G2-PAVIM	GLOBAL	Gravity	3
999	_Q1k-B	GLOBAL	Gravity	150
999	q1k-B	GLOBAL	Gravity	9
1000	q1k-A	GLOBAL	Gravity	2,5
1000	G2-PAVIM	GLOBAL	Gravity	3
1000	q1k-B	GLOBAL	Gravity	9
1001	q1k-A	GLOBAL	Gravity	2,5
1001	G2-PAVIM	GLOBAL	Gravity	3
1001	q1k-B	GLOBAL	Gravity	9
1002	_Q1k-A	GLOBAL	Gravity	100
1002	q1k-A	GLOBAL	Gravity	2,5
1002	G2-PAVIM	GLOBAL	Gravity	3
1002	_Q1k-B	GLOBAL	Gravity	150
1002	q1k-B	GLOBAL	Gravity	9
1003	q1k-A	GLOBAL	Gravity	2,5
1003	G2-PAVIM	GLOBAL	Gravity	3
1003	q1k-B	GLOBAL	Gravity	9
1004	q1k-A	GLOBAL	Gravity	2,5
1004	G2-PAVIM	GLOBAL	Gravity	3
1004	q1k-B	GLOBAL	Gravity	9
1005	_Q1k-A	GLOBAL	Gravity	100
1005	q1k-A	GLOBAL	Gravity	2,5

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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
1005	G2-PAVIM	GLOBAL	Gravity	3
1005	_Q1k-B	GLOBAL	Gravity	150
1005	q1k-B	GLOBAL	Gravity	9
1006	q1k-A	GLOBAL	Gravity	2,5
1006	G2-PAVIM	GLOBAL	Gravity	3
1006	q1k-B	GLOBAL	Gravity	9
1007	q1k-A	GLOBAL	Gravity	2,5
1007	G2-PAVIM	GLOBAL	Gravity	3
1007	q1k-B	GLOBAL	Gravity	9
1008	_Q1k-A	GLOBAL	Gravity	100
1008	q1k-A	GLOBAL	Gravity	2,5
1008	G2-PAVIM	GLOBAL	Gravity	3
1008	_Q1k-B	GLOBAL	Gravity	150
1008	q1k-B	GLOBAL	Gravity	9
1009	q1k-A	GLOBAL	Gravity	2,5
1009	G2-PAVIM	GLOBAL	Gravity	3
1009	q1k-B	GLOBAL	Gravity	9
1010	q1k-A	GLOBAL	Gravity	2,5
1010	G2-PAVIM	GLOBAL	Gravity	3
1010	q1k-B	GLOBAL	Gravity	9
1011	q1k-A	GLOBAL	Gravity	2,5
1011	G2-PAVIM	GLOBAL	Gravity	3
1011	q1k-B	GLOBAL	Gravity	9
1012	q1k-A	GLOBAL	Gravity	2,5
1012	G2-PAVIM	GLOBAL	Gravity	3
1012	q1k-B	GLOBAL	Gravity	9
1013	q1k-A	GLOBAL	Gravity	2,5
1013	G2-PAVIM	GLOBAL	Gravity	3
1013	q1k-B	GLOBAL	Gravity	9

**Table: Area Section Assignments**

**Table: Area Section Assignments**

Area	Section	MatProp
16	MARCIAPIEDI	Default
17	MARCIAPIEDI	Default
42	MARCIAPIEDI	Default
43	MARCIAPIEDI	Default
68	MARCIAPIEDI	Default
69	MARCIAPIEDI	Default
94	MARCIAPIEDI	Default
95	MARCIAPIEDI	Default
120	MARCIAPIEDI	Default
121	MARCIAPIEDI	Default
146	MARCIAPIEDI	Default
147	MARCIAPIEDI	Default
172	MARCIAPIEDI	Default
173	MARCIAPIEDI	Default
198	MARCIAPIEDI	Default
199	MARCIAPIEDI	Default
224	SOLETTA	Default

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**Table: Area Section Assignments**

Area	Section	MatProp
225	SOLETTA	Default
250	SOLETTA	Default
251	SOLETTA	Default
276	SOLETTA	Default
277	SOLETTA	Default
302	SOLETTA	Default
303	SOLETTA	Default
328	SOLETTA	Default
329	SOLETTA	Default
354	SOLETTA	Default
355	SOLETTA	Default
380	SOLETTA	Default
381	SOLETTA	Default
432	SOLETTA	Default
433	SOLETTA	Default
484	SOLETTA	Default
485	SOLETTA	Default
510	SOLETTA	Default
511	SOLETTA	Default
536	SOLETTA	Default
537	SOLETTA	Default
562	SOLETTA	Default
563	SOLETTA	Default
588	SOLETTA	Default
589	SOLETTA	Default
614	SOLETTA	Default
615	SOLETTA	Default
640	SOLETTA	Default
641	SOLETTA	Default
666	SOLETTA	Default
667	SOLETTA	Default
692	SOLETTA	Default
693	SOLETTA	Default
707	MARCIAPIEDI	Default
708	MARCIAPIEDI	Default
709	MARCIAPIEDI	Default
710	MARCIAPIEDI	Default
711	MARCIAPIEDI	Default
712	MARCIAPIEDI	Default
713	MARCIAPIEDI	Default
714	MARCIAPIEDI	Default
715	MARCIAPIEDI	Default
716	MARCIAPIEDI	Default
717	MARCIAPIEDI	Default
718	MARCIAPIEDI	Default
719	MARCIAPIEDI	Default
720	MARCIAPIEDI	Default
721	MARCIAPIEDI	Default
722	MARCIAPIEDI	Default
723	SOLETTA	Default
724	SOLETTA	Default
725	SOLETTA	Default
726	SOLETTA	Default

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**Table: Area Section Assignments**

Area	Section	MatProp
727	SOLETTA	Default
728	SOLETTA	Default
729	SOLETTA	Default
730	SOLETTA	Default
731	SOLETTA	Default
732	SOLETTA	Default
733	SOLETTA	Default
734	SOLETTA	Default
735	SOLETTA	Default
736	SOLETTA	Default
739	SOLETTA	Default
740	SOLETTA	Default
743	SOLETTA	Default
744	SOLETTA	Default
745	SOLETTA	Default
746	SOLETTA	Default
747	SOLETTA	Default
748	SOLETTA	Default
749	SOLETTA	Default
750	SOLETTA	Default
751	SOLETTA	Default
752	SOLETTA	Default
753	SOLETTA	Default
754	SOLETTA	Default
755	SOLETTA	Default
756	SOLETTA	Default
757	SOLETTA	Default
758	SOLETTA	Default
759	SOLETTA	Default
760	SOLETTA	Default
761	MARCIAPIEDI	Default
762	MARCIAPIEDI	Default
763	MARCIAPIEDI	Default
764	MARCIAPIEDI	Default
765	MARCIAPIEDI	Default
766	MARCIAPIEDI	Default
767	MARCIAPIEDI	Default
768	MARCIAPIEDI	Default
769	MARCIAPIEDI	Default
770	MARCIAPIEDI	Default
771	MARCIAPIEDI	Default
772	MARCIAPIEDI	Default
773	MARCIAPIEDI	Default
774	MARCIAPIEDI	Default
775	MARCIAPIEDI	Default
776	MARCIAPIEDI	Default
777	MARCIAPIEDI	Default
778	MARCIAPIEDI	Default
779	MARCIAPIEDI	Default
780	MARCIAPIEDI	Default
781	MARCIAPIEDI	Default
782	MARCIAPIEDI	Default
783	MARCIAPIEDI	Default



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**Table: Area Section Assignments**

Area	Section	MatProp
784	MARCIAPIEDI	Default
785	MARCIAPIEDI	Default
786	MARCIAPIEDI	Default
787	MARCIAPIEDI	Default
788	MARCIAPIEDI	Default
789	MARCIAPIEDI	Default
790	MARCIAPIEDI	Default
791	MARCIAPIEDI	Default
792	MARCIAPIEDI	Default
793	SOLETTA	Default
794	SOLETTA	Default
795	SOLETTA	Default
796	SOLETTA	Default
797	SOLETTA	Default
798	SOLETTA	Default
799	SOLETTA	Default
800	SOLETTA	Default
801	SOLETTA	Default
802	SOLETTA	Default
803	SOLETTA	Default
804	SOLETTA	Default
805	SOLETTA	Default
806	SOLETTA	Default
807	SOLETTA	Default
808	SOLETTA	Default
809	SOLETTA	Default
810	SOLETTA	Default
811	SOLETTA	Default
812	SOLETTA	Default
813	SOLETTA	Default
814	SOLETTA	Default
815	SOLETTA	Default
816	SOLETTA	Default
817	SOLETTA	Default
818	SOLETTA	Default
819	SOLETTA	Default
820	SOLETTA	Default
825	SOLETTA	Default
826	SOLETTA	Default
827	SOLETTA	Default
828	SOLETTA	Default
833	SOLETTA	Default
834	SOLETTA	Default
835	SOLETTA	Default
836	SOLETTA	Default
837	SOLETTA	Default
838	SOLETTA	Default
839	SOLETTA	Default
840	SOLETTA	Default
841	SOLETTA	Default
842	SOLETTA	Default
843	SOLETTA	Default
844	SOLETTA	Default

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**Table: Area Section Assignments**

Area	Section	MatProp
845	SOLETTA	Default
846	SOLETTA	Default
847	SOLETTA	Default
848	SOLETTA	Default
849	SOLETTA	Default
850	SOLETTA	Default
851	SOLETTA	Default
852	SOLETTA	Default
853	SOLETTA	Default
854	SOLETTA	Default
855	SOLETTA	Default
856	SOLETTA	Default
857	SOLETTA	Default
858	SOLETTA	Default
859	SOLETTA	Default
860	SOLETTA	Default
861	SOLETTA	Default
862	SOLETTA	Default
863	SOLETTA	Default
864	SOLETTA	Default
865	SOLETTA	Default
866	SOLETTA	Default
867	SOLETTA	Default
868	SOLETTA	Default
891	SOLETTA	Default
892	SOLETTA	Default
893	SOLETTA	Default
894	SOLETTA	Default
915	SOLETTA	Default
916	SOLETTA	Default
917	SOLETTA	Default
918	SOLETTA	Default
919	SOLETTA	Default
920	SOLETTA	Default
921	SOLETTA	Default
922	SOLETTA	Default
923	SOLETTA	Default
924	SOLETTA	Default
925	SOLETTA	Default
926	SOLETTA	Default
960	SOLETTA	Default
961	SOLETTA	Default
962	SOLETTA	Default
963	SOLETTA	Default
964	SOLETTA	Default
965	SOLETTA	Default
996	SOLETTA	Default
997	SOLETTA	Default
998	SOLETTA	Default
999	SOLETTA	Default
1000	SOLETTA	Default
1001	SOLETTA	Default
1002	SOLETTA	Default

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**Table: Area Section Assignments**

Area	Section	MatProp
1003	SOLETTA	Default
1004	SOLETTA	Default
1005	SOLETTA	Default
1006	SOLETTA	Default
1007	SOLETTA	Default
1008	SOLETTA	Default
1009	SOLETTA	Default
1010	SOLETTA	Default
1011	SOLETTA	Default
1012	SOLETTA	Default
1013	SOLETTA	Default

**Table: Area Section Properties, Part 1 of 4**

Table: Area Section Properties, Part 1 of 4

Section	Material	MatAngle Degrees	AreaType	Type	DrillDOF	Thickness m	BendThick m	Arc Degrees
MARCIAPIEDI	C32/40	0	Shell	Shell-Thin	Yes	0,45	0,45	
SOLETTA	C32/40	0	Shell	Shell-Thin	Yes	0,31	0,31	

**Table: Area Section Properties, Part 2 of 4**

Table: Area Section Properties, Part 2 of 4

Section	InComp	CoordSys	Color	TotalWt KN	TotalMass KN-s2/m	F11Mod	F22Mod
MARCIAPIEDI			Magenta	584,827	59,64	1	1
SOLETTA			Green	856,128	87,3	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
MARCIAPIEDI	1	1	1	1	1	1	1	1
SOLETTA	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
MARCIAPIEDI		Added 21/03/2017 17.19.17
SOLETTA		

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**Table: Case - Static 1 - Load Assignments**

Table: Case - Static 1 - Load Assignments			
Case	LoadType	LoadName	LoadSF
G1	Load pattern	G1	1
G2-PAVIM	Load pattern	G2-PAVIM	1
Q5-FOLLA	Load pattern	Q5-FOLLA	1
G2-GUARDRAIL	Load pattern	G2-GUARDRAIL	1
G2-RETE	Load pattern	G2-RETE	1
q1k-A	Load pattern	q1k-A	1
_Q1k-A	Load pattern	_Q1k-A	1
_Q1k-B	Load pattern	_Q1k-B	1
q1k-B	Load pattern	q1k-B	1
q1k-C	Load pattern	q1k-C	1
_Q1k-C	Load pattern	_Q1k-C	1
_Q1k-D	Load pattern	_Q1k-D	1
q1k-D	Load pattern	q1k-D	1

**Table: Combination Definitions, Part 1 of 3**

Table: Combination Definitions, Part 1 of 3						
ComboName	ComboType	AutoDesign	CaseType	CaseName	ScaleFactor	SteelDesign
SLU-A	Linear Add	No	Linear Static	G1	1,35	None
SLU-A			Linear Static	G2-RETE	1,5	
SLU-A			Linear Static	G2-GUARDRAIL	1,5	
SLU-A			Linear Static	G2-PAVIM	1,5	
SLU-A			Linear Static	q1k-A	1,35	
SLU-A			Linear Static	_Q1k-A	1,35	
SLU-A			Linear Static	Q5-FOLLA	0,675	
SLE-A	Linear Add	No	Linear Static	G1	1	None
SLE-A			Linear Static	G2-RETE	1	
SLE-A			Linear Static	G2-GUARDRAIL	1	
SLE-A			Linear Static	G2-PAVIM	1	
SLE-A			Linear Static	q1k-A	0,4	
SLE-A			Linear Static	_Q1k-A	0,75	
SLE-A			Linear Static	Q5-FOLLA	0	
SLU-B	Linear Add	No	Linear Static	G1	1,35	None
SLU-B			Linear Static	G2-RETE	1,5	
SLU-B			Linear Static	G2-GUARDRAIL	1,5	
SLU-B			Linear Static	G2-PAVIM	1,5	
SLU-B			Linear Static	q1k-B	1,35	
SLU-B			Linear Static	_Q1k-B	1,35	
SLU-B			Linear Static	Q5-FOLLA	0,675	
SLU-C	Linear Add	No	Linear Static	G1	1,35	None
SLU-C			Linear Static	G2-RETE	1,5	
SLU-C			Linear Static	G2-GUARDRAIL	1,5	
SLU-C			Linear Static	G2-PAVIM	1,5	
SLU-C			Linear Static	q1k-C	1,35	
SLU-C			Linear Static	_Q1k-C	1,35	
SLU-C			Linear Static	Q5-FOLLA	0,675	
SLE-B	Linear Add	No	Linear Static	G1	1	None
SLE-B			Linear Static	G2-RETE	1	
SLE-B			Linear Static	G2-GUARDRAIL	1	

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**Table: Combination Definitions, Part 1 of 3**

ComboName	ComboType	AutoDesign	CaseType	CaseName	ScaleFactor	SteelDesign
SLE-B			Linear Static	G2-PAVIM	1	
SLE-B			Linear Static	q1k-B	0,4	
SLE-B			Linear Static	_Q1k-B	0,75	
SLE-B			Linear Static	Q5-FOLLA	0	
SLE-C	Linear Add	No	Linear Static	G1	1	None
SLE-C			Linear Static	G2-RETE	1	
SLE-C			Linear Static	G2-GUARDRAIL	1	
SLE-C			Linear Static	G2-PAVIM	1	
SLE-C			Linear Static	q1k-C	0,4	
SLE-C			Linear Static	_Q1k-C	0,75	
SLE-C			Linear Static	Q5-FOLLA	0	
SLU-D	Linear Add	No	Linear Static	G1	1,35	None
SLU-D			Linear Static	G2-RETE	1,5	
SLU-D			Linear Static	G2-GUARDRAIL	1,5	
SLU-D			Linear Static	G2-PAVIM	1,5	
SLU-D			Linear Static	q1k-D	1,35	
SLU-D			Linear Static	_Q1k-D	1,35	
SLU-D			Linear Static	Q5-FOLLA	0,675	
SLU-ENVE	Envelope	No	Response Combo	SLU-A	1	None
SLU-ENVE			Response Combo	SLU-B	1	
SLU-ENVE			Response Combo	SLU-C	1	
SLU-ENVE			Response Combo	SLU-D	1	
SLE-D	Linear Add	No	Linear Static	G1	1	None
SLE-D			Linear Static	G2-RETE	1	
SLE-D			Linear Static	G2-GUARDRAIL	1	
SLE-D			Linear Static	G2-PAVIM	1	
SLE-D			Linear Static	q1k-D	0,4	
SLE-D			Linear Static	_Q1k-D	0,75	
SLE-D			Linear Static	Q5-FOLLA	0	
SLE-ENVE	Envelope	No	Response Combo	SLE-A	1	None
SLE-ENVE			Response Combo	SLE-B	1	
SLE-ENVE			Response Combo	SLE-C	1	
SLE-ENVE			Response Combo	SLE-D	1	

**Table: Combination Definitions, Part 2 of 3**

**Table: Combination Definitions, Part 2 of 3**

ComboName	CaseName	ConcDesign	AlumDesign	ColdDesign
SLU-A	G1	None	None	None
SLU-A	G2-RETE			
SLU-A	G2-GUARDRAIL			
SLU-A	G2-PAVIM			
SLU-A	q1k-A			
SLU-A	_Q1k-A			
SLU-A	Q5-FOLLA			
SLE-A	G1	None	None	None
SLE-A	G2-RETE			
SLE-A	G2-GUARDRAIL			
SLE-A	G2-PAVIM			
SLE-A	q1k-A			
SLE-A	_Q1k-A			

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**Table: Combination Definitions, Part 2 of 3**

ComboName	CaseName	ConcDesign	AlumDesign	ColdDesign
SLE-A	Q5-FOLLA			
SLU-B	G1	None	None	None
SLU-B	G2-RETE			
SLU-B	G2-GUARDRAIL			
SLU-B	G2-PAVIM			
SLU-B	q1k-B			
SLU-B	_Q1k-B			
SLU-B	Q5-FOLLA			
SLU-C	G1	None	None	None
SLU-C	G2-RETE			
SLU-C	G2-GUARDRAIL			
SLU-C	G2-PAVIM			
SLU-C	q1k-C			
SLU-C	_Q1k-C			
SLU-C	Q5-FOLLA			
SLE-B	G1	None	None	None
SLE-B	G2-RETE			
SLE-B	G2-GUARDRAIL			
SLE-B	G2-PAVIM			
SLE-B	q1k-B			
SLE-B	_Q1k-B			
SLE-B	Q5-FOLLA			
SLE-C	G1	None	None	None
SLE-C	G2-RETE			
SLE-C	G2-GUARDRAIL			
SLE-C	G2-PAVIM			
SLE-C	q1k-C			
SLE-C	_Q1k-C			
SLE-C	Q5-FOLLA			
SLU-D	G1	None	None	None
SLU-D	G2-RETE			
SLU-D	G2-GUARDRAIL			
SLU-D	G2-PAVIM			
SLU-D	q1k-D			
SLU-D	_Q1k-D			
SLU-D	Q5-FOLLA			
SLU-ENVE	SLU-A	None	None	None
SLU-ENVE	SLU-B			
SLU-ENVE	SLU-C			
SLU-ENVE	SLU-D			
SLE-D	G1	None	None	None
SLE-D	G2-RETE			
SLE-D	G2-GUARDRAIL			
SLE-D	G2-PAVIM			
SLE-D	q1k-D			
SLE-D	_Q1k-D			
SLE-D	Q5-FOLLA			
SLE-ENVE	SLE-A	None	None	None
SLE-ENVE	SLE-B			
SLE-ENVE	SLE-C			
SLE-ENVE	SLE-D			

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**Table: Combination Definitions, Part 3 of 3**

Table: Combination Definitions, Part 3 of 3			
ComboName	CaseName	GUID	Notes
SLU-A	G1	6443fcf0-39af-48c4-9eea-893ddf33ecdf	
SLU-A	G2-RETE		
SLU-A	G2-GUARDRAIL		
SLU-A	G2-PAVIM		
SLU-A	q1k-A		
SLU-A	_Q1k-A		
SLU-A	Q5-FOLLA		
SLE-A	G1	6443fcf0-39af-48c4-9eea-893ddf33ecdf	
SLE-A	G2-RETE		
SLE-A	G2-GUARDRAIL		
SLE-A	G2-PAVIM		
SLE-A	q1k-A		
SLE-A	_Q1k-A		
SLE-A	Q5-FOLLA		
SLU-B	G1	6443fcf0-39af-48c4-9eea-893ddf33ecdf	
SLU-B	G2-RETE		
SLU-B	G2-GUARDRAIL		
SLU-B	G2-PAVIM		
SLU-B	q1k-B		
SLU-B	_Q1k-B		
SLU-B	Q5-FOLLA		
SLU-C	G1	6443fcf0-39af-48c4-9eea-893ddf33ecdf	
SLU-C	G2-RETE		
SLU-C	G2-GUARDRAIL		
SLU-C	G2-PAVIM		
SLU-C	q1k-C		
SLU-C	_Q1k-C		
SLU-C	Q5-FOLLA		
SLE-B	G1	6443fcf0-39af-48c4-9eea-893ddf33ecdf	
SLE-B	G2-RETE		
SLE-B	G2-GUARDRAIL		
SLE-B	G2-PAVIM		
SLE-B	q1k-B		
SLE-B	_Q1k-B		
SLE-B	Q5-FOLLA		
SLE-C	G1	6443fcf0-39af-48c4-9eea-893ddf33ecdf	
SLE-C	G2-RETE		
SLE-C	G2-GUARDRAIL		
SLE-C	G2-PAVIM		
SLE-C	q1k-C		
SLE-C	_Q1k-C		
SLE-C	Q5-FOLLA		
SLU-D	G1	6443fcf0-39af-48c4-9eea-893ddf33ecdf	
SLU-D	G2-RETE		
SLU-D	G2-GUARDRAIL		

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**Table: Combination Definitions, Part 3 of 3**

ComboName	CaseName	GUID	Notes
SLU-D	G2-PAVIM		
SLU-D	q1k-D		
SLU-D	_Q1k-D		
SLU-D	Q5-FOLLA		
SLU-ENVE	SLU-A	63ba2323-4360-4382-9a35-11fe015b7677	
SLU-ENVE	SLU-B		
SLU-ENVE	SLU-C		
SLU-ENVE	SLU-D		
SLE-D	G1	6443fcf0-39af-48c4-9eea-893ddf33ecdf	
SLE-D	G2-RETE		
SLE-D	G2-GUARDRAIL		
SLE-D	G2-PAVIM		
SLE-D	q1k-D		
SLE-D	_Q1k-D		
SLE-D	Q5-FOLLA		
SLE-ENVE	SLE-A	63ba2323-4360-4382-9a35-11fe015b7677	
SLE-ENVE	SLE-B		
SLE-ENVE	SLE-C		
SLE-ENVE	SLE-D		

**Table: Connectivity - Area, Part 1 of 2**

**Table: Connectivity - Area, Part 1 of 2**

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
16	4	954	1582	1561	952	2	0,25
17	4	952	1561	1540	950	2	0,25
42	4	1582	1583	1562	1561	2	0,25
43	4	1561	1562	1541	1540	2	0,25
68	4	1583	1584	1563	1562	2	0,25
69	4	1562	1563	1542	1541	2	0,25
94	4	1584	1063	1062	1563	2	0,25
95	4	1563	1062	1061	1542	2	0,25
120	4	1088	1765	1579	1087	2	0,25
121	4	1087	1579	1558	1086	2	0,25
146	4	1765	1766	1580	1579	2	0,25
147	4	1579	1580	1559	1558	2	0,25
172	4	1766	1767	1581	1580	2	0,25
173	4	1580	1581	1560	1559	2	0,25
198	4	1767	955	953	1581	2	0,25
199	4	1581	953	951	1560	2	0,25
224	4	1063	988	987	1062	1,499943	0,124986
225	4	1062	987	986	1061	1,499943	0,124986
250	4	988	1585	1564	987	2,1	0,275
251	4	987	1564	1543	986	2,1	0,275
276	4	1585	1586	1565	1564	2,300172	0,325043
277	4	1564	1565	1544	1543	2,300172	0,325043
302	4	1586	1587	1566	1565	2,1	0,275
303	4	1565	1566	1545	1544	2,1	0,275



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Table: Connectivity - Area, Part 1 of 2

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
328	4	1587	1588	1567	1566	2	0,25
329	4	1566	1567	1546	1545	2	0,25
354	4	1588	1589	1568	1567	2	0,25
355	4	1567	1568	1547	1546	2	0,25
380	4	1589	1590	1569	1568	1,8	0,2
381	4	1568	1569	1548	1547	1,8	0,2
432	4	1591	1013	1012	1570	1,8	0,2
433	4	1570	1012	1011	1549	1,8	0,2
484	4	1592	1593	1572	1571	1,75	0,1875
485	4	1571	1572	1551	1550	1,75	0,1875
510	4	1593	1594	1573	1572	2	0,25
511	4	1572	1573	1552	1551	2	0,25
536	4	1594	1595	1574	1573	2	0,25
537	4	1573	1574	1553	1552	2	0,25
562	4	1595	1761	1575	1574	2	0,25
563	4	1574	1575	1554	1553	2	0,25
588	4	1761	1762	1576	1575	2	0,25
589	4	1575	1576	1555	1554	2	0,25
614	4	1762	1763	1577	1576	2	0,25
615	4	1576	1577	1556	1555	2	0,25
640	4	1763	1764	1578	1577	2	0,25
641	4	1577	1578	1557	1556	2	0,25
666	4	1764	1038	1037	1578	1,499829	0,124957
667	4	1578	1037	1036	1557	1,499829	0,124957
692	4	1038	1088	1087	1037	1,500171	0,125043
693	4	1037	1087	1086	1036	1,500171	0,125043
707	4	950	1540	1958	1959	1,5	0,125
708	4	1959	1958	1519	948	1,5	0,125
709	4	1540	1541	1960	1958	1,5	0,125
710	4	1958	1960	1520	1519	1,5	0,125
711	4	1541	1542	1961	1960	1,5	0,125
712	4	1960	1961	1521	1520	1,5	0,125
713	4	1542	1061	1962	1961	1,5	0,125
714	4	1961	1962	1060	1521	1,5	0,125
715	4	1086	1558	1963	1964	1,5	0,125
716	4	1964	1963	1537	1085	1,5	0,125
717	4	1558	1559	1965	1963	1,5	0,125
718	4	1963	1965	1538	1537	1,5	0,125
719	4	1559	1560	1966	1965	1,5	0,125
720	4	1965	1966	1539	1538	1,5	0,125
721	4	1560	951	1967	1966	1,5	0,125
722	4	1966	1967	949	1539	1,5	0,125
723	4	1061	986	1968	1962	0,999943	0,062493
724	4	1962	1968	985	1060	0,999943	0,062493
725	4	986	1543	1969	1968	1,6	0,1375
726	4	1968	1969	1522	985	1,6	0,1375
727	4	1543	1544	1970	1969	1,800172	0,162522
728	4	1969	1970	1523	1522	1,800172	0,162522
729	4	1544	1545	1971	1970	1,6	0,1375
730	4	1970	1971	1524	1523	1,6	0,1375
731	4	1545	1546	1972	1971	1,5	0,125
732	4	1971	1972	1525	1524	1,5	0,125
733	4	1546	1547	1973	1972	1,5	0,125

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Table: Connectivity - Area, Part 1 of 2

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
734	4	1972	1973	1526	1525	1,5	0,125
735	4	1547	1548	1974	1973	1,3	0,1
736	4	1973	1974	1527	1526	1,3	0,1
739	4	1549	1011	1976	1975	1,3	0,1
740	4	1975	1976	1010	1528	1,3	0,1
743	4	1550	1551	1978	1977	1,25	0,09375
744	4	1977	1978	1530	1529	1,25	0,09375
745	4	1551	1552	1979	1978	1,5	0,125
746	4	1978	1979	1531	1530	1,5	0,125
747	4	1552	1553	1980	1979	1,5	0,125
748	4	1979	1980	1532	1531	1,5	0,125
749	4	1553	1554	1981	1980	1,5	0,125
750	4	1980	1981	1533	1532	1,5	0,125
751	4	1554	1555	1982	1981	1,5	0,125
752	4	1981	1982	1534	1533	1,5	0,125
753	4	1555	1556	1983	1982	1,5	0,125
754	4	1982	1983	1535	1534	1,5	0,125
755	4	1556	1557	1984	1983	1,5	0,125
756	4	1983	1984	1536	1535	1,5	0,125
757	4	1557	1036	1985	1984	0,999829	0,062479
758	4	1984	1985	1035	1536	0,999829	0,062479
759	4	1036	1086	1964	1985	1,000171	0,062521
760	4	1985	1964	1085	1035	1,000171	0,062521
761	4	948	1519	1986	1987	1,5	0,125
762	4	1987	1986	1498	946	1,5	0,125
763	4	946	1498	1988	1989	1,5	0,125
764	4	1989	1988	1477	944	1,5	0,125
765	4	1519	1520	1990	1986	1,5	0,125
766	4	1986	1990	1499	1498	1,5	0,125
767	4	1498	1499	1991	1988	1,5	0,125
768	4	1988	1991	1478	1477	1,5	0,125
769	4	1520	1521	1992	1990	1,5	0,125
770	4	1990	1992	1500	1499	1,5	0,125
771	4	1499	1500	1993	1991	1,5	0,125
772	4	1991	1993	1479	1478	1,5	0,125
773	4	1521	1060	1994	1992	1,5	0,125
774	4	1992	1994	1059	1500	1,5	0,125
775	4	1500	1059	1995	1993	1,5	0,125
776	4	1993	1995	1058	1479	1,5	0,125
777	4	1085	1537	1996	1997	1,5	0,125
778	4	1997	1996	1516	1084	1,5	0,125
779	4	1084	1516	1998	1999	1,5	0,125
780	4	1999	1998	1495	1083	1,5	0,125
781	4	1537	1538	2000	1996	1,5	0,125
782	4	1996	2000	1517	1516	1,5	0,125
783	4	1516	1517	2001	1998	1,5	0,125
784	4	1998	2001	1496	1495	1,5	0,125
785	4	1538	1539	2002	2000	1,5	0,125
786	4	2000	2002	1518	1517	1,5	0,125
787	4	1517	1518	2003	2001	1,5	0,125
788	4	2001	2003	1497	1496	1,5	0,125
789	4	1539	949	2004	2002	1,5	0,125
790	4	2002	2004	947	1518	1,5	0,125

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**Table: Connectivity - Area, Part 1 of 2**

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
791	4	1518	947	2005	2003	1,5	0,125
792	4	2003	2005	945	1497	1,5	0,125
793	4	1060	985	2006	1994	0,999943	0,062493
794	4	1994	2006	984	1059	0,999943	0,062493
795	4	1059	984	2007	1995	0,999943	0,062493
796	4	1995	2007	983	1058	0,999943	0,062493
797	4	985	1522	2008	2006	1,6	0,1375
798	4	2006	2008	1501	984	1,6	0,1375
799	4	984	1501	2009	2007	1,6	0,1375
800	4	2007	2009	1480	983	1,6	0,1375
801	4	1522	1523	2010	2008	1,800172	0,162522
802	4	2008	2010	1502	1501	1,800172	0,162522
803	4	1501	1502	2011	2009	1,800172	0,162522
804	4	2009	2011	1481	1480	1,800172	0,162522
805	4	1523	1524	2012	2010	1,6	0,1375
806	4	2010	2012	1503	1502	1,6	0,1375
807	4	1502	1503	2013	2011	1,6	0,1375
808	4	2011	2013	1482	1481	1,6	0,1375
809	4	1524	1525	2014	2012	1,5	0,125
810	4	2012	2014	1504	1503	1,5	0,125
811	4	1503	1504	2015	2013	1,5	0,125
812	4	2013	2015	1483	1482	1,5	0,125
813	4	1525	1526	2016	2014	1,5	0,125
814	4	2014	2016	1505	1504	1,5	0,125
815	4	1504	1505	2017	2015	1,5	0,125
816	4	2015	2017	1484	1483	1,5	0,125
817	4	1526	1527	2018	2016	1,3	0,1
818	4	2016	2018	1506	1505	1,3	0,1
819	4	1505	1506	2019	2017	1,3	0,1
820	4	2017	2019	1485	1484	1,3	0,1
825	4	1528	1010	2022	2020	1,3	0,1
826	4	2020	2022	1009	1507	1,3	0,1
827	4	1507	1009	2023	2021	1,3	0,1
828	4	2021	2023	1008	1486	1,3	0,1
833	4	1529	1530	2026	2024	1,25	0,09375
834	4	2024	2026	1509	1508	1,25	0,09375
835	4	1508	1509	2027	2025	1,25	0,09375
836	4	2025	2027	1488	1487	1,25	0,09375
837	4	1530	1531	2028	2026	1,5	0,125
838	4	2026	2028	1510	1509	1,5	0,125
839	4	1509	1510	2029	2027	1,5	0,125
840	4	2027	2029	1489	1488	1,5	0,125
841	4	1531	1532	2030	2028	1,5	0,125
842	4	2028	2030	1511	1510	1,5	0,125
843	4	1510	1511	2031	2029	1,5	0,125
844	4	2029	2031	1490	1489	1,5	0,125
845	4	1532	1533	2032	2030	1,5	0,125
846	4	2030	2032	1512	1511	1,5	0,125
847	4	1511	1512	2033	2031	1,5	0,125
848	4	2031	2033	1491	1490	1,5	0,125
849	4	1533	1534	2034	2032	1,5	0,125
850	4	2032	2034	1513	1512	1,5	0,125
851	4	1512	1513	2035	2033	1,5	0,125

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**Table: Connectivity - Area, Part 1 of 2**

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter	AreaArea
						m	m2
852	4	2033	2035	1492	1491	1,5	0,125
853	4	1534	1535	2036	2034	1,5	0,125
854	4	2034	2036	1514	1513	1,5	0,125
855	4	1513	1514	2037	2035	1,5	0,125
856	4	2035	2037	1493	1492	1,5	0,125
857	4	1535	1536	2038	2036	1,5	0,125
858	4	2036	2038	1515	1514	1,5	0,125
859	4	1514	1515	2039	2037	1,5	0,125
860	4	2037	2039	1494	1493	1,5	0,125
861	4	1536	1035	2040	2038	0,999829	0,062479
862	4	2038	2040	1034	1515	0,999829	0,062479
863	4	1515	1034	2041	2039	0,999829	0,062479
864	4	2039	2041	1033	1494	0,999829	0,062479
865	4	1035	1085	1997	2040	1,000171	0,062521
866	4	2040	1997	1084	1034	1,000171	0,062521
867	4	1034	1084	1999	2041	1,000171	0,062521
868	4	2041	1999	1083	1033	1,000171	0,062521
891	4	1013	2053	2054	1012	1,375058	0,093764
892	4	2053	1592	1571	2054	1,375058	0,093764
893	4	1012	2054	2055	1011	1,375058	0,093764
894	4	2054	1571	1550	2055	1,375058	0,093764
915	4	1011	2055	2067	1976	0,875058	0,046882
916	4	2055	1550	1977	2067	0,875058	0,046882
917	4	1976	2067	2068	1010	0,875058	0,046882
918	4	2067	1977	1529	2068	0,875058	0,046882
919	4	1010	2068	2069	2022	0,875058	0,046882
920	4	2068	1529	2024	2069	0,875058	0,046882
921	4	2022	2069	2070	1009	0,875058	0,046882
922	4	2069	2024	1508	2070	0,875058	0,046882
923	4	1009	2070	2071	2023	0,875058	0,046882
924	4	2070	1508	2025	2071	0,875058	0,046882
925	4	2023	2071	2056	1008	0,875058	0,046882
926	4	2071	2025	1487	2056	0,875058	0,046882
960	4	1590	2094	2096	1569	1,299961	0,07499
961	4	2094	2095	2097	2096	1,299961	0,07499
962	4	2095	1591	1570	2097	1,299961	0,07499
963	4	1569	2096	2098	1548	1,299961	0,07499
964	4	2096	2097	2099	2098	1,299961	0,07499
965	4	2097	1570	1549	2099	1,299961	0,07499
996	4	1548	2098	2122	1974	0,799961	0,037495
997	4	2098	2099	2123	2122	0,799961	0,037495
998	4	2099	1549	1975	2123	0,799961	0,037495
999	4	1974	2122	2124	1527	0,799961	0,037495
1000	4	2122	2123	2125	2124	0,799961	0,037495
1001	4	2123	1975	1528	2125	0,799961	0,037495
1002	4	1527	2124	2126	2018	0,799961	0,037495
1003	4	2124	2125	2127	2126	0,799961	0,037495
1004	4	2125	1528	2020	2127	0,799961	0,037495
1005	4	2018	2126	2128	1506	0,799961	0,037495
1006	4	2126	2127	2129	2128	0,799961	0,037495
1007	4	2127	2020	1507	2129	0,799961	0,037495
1008	4	1506	2128	2130	2019	0,799961	0,037495
1009	4	2128	2129	2131	2130	0,799961	0,037495

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**Table: Connectivity - Area, Part 1 of 2**

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
1010	4	2129	1507	2021	2131	0,799961	0,037495
1011	4	2019	2130	2100	1485	0,799961	0,037495
1012	4	2130	2131	2102	2100	0,799961	0,037495
1013	4	2131	2021	1486	2102	0,799961	0,037495

**Table: Connectivity - Area, Part 2 of 2**

**Table: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
16	0,1125	25,25	10,75	0	a7ac903b-5406-4e24-a777-d98d616b83d7
17	0,1125	25,25	11,25	0	9114d3ee-acfa-41ab-b1a6-48a8118f28ae
42	0,1125	25,75	10,75	0	e096f037-9076-4810-832c-09408adf42b9
43	0,1125	25,75	11,25	0	adeab1bc-6a35-44af-a55d-266fba1b3b87
68	0,1125	26,25	10,75	0	a6455b7b-643f-4519-87a3-1090b871ad2a
69	0,1125	26,25	11,25	0	7197abd2-adb7-45ec-ba99-dbf27957e748
94	0,1125	26,75	10,75	0	630d6aaf-5a1c-41c2-b502-33eaf1787649
95	0,1125	26,75	11,25	0	9f9ad94a-5ef0-479f-9714-a5125a75c023
120	0,1125	35,75006	10,75	0	2d889cc6-6886-4ed3-9909-b0ff36241878
121	0,1125	35,75006	11,25	0	e7e4ec58-c204-45ad-b7cf-295772dc690c
146	0,1125	36,25006	10,75	0	673bcdfb-b57d-4e2c-bab1-b88eb59e8991
147	0,1125	36,25006	11,25	0	4cc488da-98c2-4166-ad20-7c250ac5745a
172	0,1125	36,75006	10,75	0	4604144f-6e51-4a22-9f80-31e1044efc61
173	0,1125	36,75006	11,25	0	dfbc71e6-d071-4cbd-9262-9e11685ab0ad
198	0,1125	37,25006	10,75	0	7ac2da45-f6de-4995-ac4a-54d50fafd6ad
199	0,1125	37,25006	11,25	0	16a667e2-9694-43d2-bf2f-f39cc48e5aa1
224	0,038746	27,12499	10,75	0	b6927f22-b1b2-465b-ac77-a3428c4e63e5
225	0,038746	27,12499	11,25	0	4552b00e-ddfe-4392-bfc5-e31bf03003cc
250	0,08525	27,52497	10,75	0	c06a4529-a1e0-4c69-9176-2dbd34b7aee4
251	0,08525	27,52497	11,25	0	14333efb-1333-4d8d-acf4-e6c74ec6bc29
276	0,100763	28,12501	10,75	0	4f27b3df-af8a-42ac-85e8-fcc7a8a7c6ec
277	0,100763	28,12501	11,25	0	1c93de43-9c00-4947-a088-a6fe8835eff4
302	0,08525	28,72506	10,75	0	e9a738ea-1dc2-4c76-9bf2-0efec3066494

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

**Table: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
303	0,08525	28,72506	11,25	0	3fecf879-b5fb-4879-aac0-d1185e3278c6
328	0,0775	29,25006	10,75	0	4606a331-916c-47d1-ba0e-df9aecbc1836
329	0,0775	29,25006	11,25	0	19caa67f-cf02-4f42-af2c-021b8e44405f
354	0,0775	29,75006	10,75	0	92fe3711-e7d0-4088-9635-9d6f5c08ee05
355	0,0775	29,75006	11,25	0	7d3f731e-752f-47c5-81c3-d52ed6c117b9
380	0,062	30,20006	10,75	0	2d0f582d-1ec4-4e97-9bec-5dee8193ab25
381	0,062	30,20006	11,25	0	ef4ed308-af6a-4749-a2f3-7ae7c21b0684
432	0,062	31,05	10,75	0	1fe3bc44-fea0-4b53-b898-57bf26131d77
433	0,062	31,05	11,25	0	dccdf975-7c9a-4465-8736-c384e85d9b54
484	0,058125	31,81256	10,75	0	3303f1e6-7484-415a-a5ae-1b9b2a5b203f
485	0,058125	31,81256	11,25	0	7c093d87-ec01-4466-bf3c-11a2fc972a47
510	0,0775	32,25006	10,75	0	a0326837-ffe1-4c41-aae8-09840259d0b5
511	0,0775	32,25006	11,25	0	72298c55-7e7c-4e3a-af74-c1996e18385d
536	0,0775	32,75006	10,75	0	de5b846e-028e-49c2-924f-4e247a3f6f55
537	0,0775	32,75006	11,25	0	440058ff-6255-4dfa-82db-3869fe183ed9
562	0,0775	33,25006	10,75	0	2a49d25a-5905-4428-a634-179f2f62aad8
563	0,0775	33,25006	11,25	0	37355e2e-6b64-4140-9588-0aa4c306f9ea
588	0,0775	33,75006	10,75	0	f5db7982-85ff-4242-970b-5920266f91dd
589	0,0775	33,75006	11,25	0	ce34b778-6849-49e8-886e-cd944c88a339
614	0,0775	34,25006	10,75	0	257b9d90-4dd6-46fd-a5d0-6ce9c8e70915
615	0,0775	34,25006	11,25	0	3ec7697f-541b-4496-91e3-835dd28f51ef
640	0,0775	34,75006	10,75	0	81c10cbd-43bf-4f41-a014-071cb7863b18
641	0,0775	34,75006	11,25	0	43910e47-737e-488b-8c86-8e911063842b
666	0,038737	35,12501	10,75	0	f4661df5-5046-4b11-8345-c5c9cb630267
667	0,038737	35,12501	11,25	0	06656101-83c2-4cf5-92c8-5d4c9fc5235a
692	0,038763	35,37501	10,75	0	2f8e08fe-1077-42bc-9741-6dab6444ca81
693	0,038763	35,37501	11,25	0	15e864ac-ede6-4925-a0de-a9b2e09c6613
707	0,05625	25,25	11,625	0	38645752-4b54-4417-9e1f-12981c840046
708	0,05625	25,25	11,875	0	695518c4-5612-42dc-9224-c9dfc8dfaebc

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
709	0,05625	25,75	11,625	0	b56a0c3f-4cbf-4d9e-951d-f0729e7a40d2
710	0,05625	25,75	11,875	0	9e27af6a-fd87-448f-8132-f0cc7d3e088f
711	0,05625	26,25	11,625	0	f11ce9b1-79af-4076-8a0a-5d7eee46f2bd
712	0,05625	26,25	11,875	0	70d55e1b-19f8-4fff-91f0-e94336d4beeb
713	0,05625	26,75	11,625	0	812825d4-25ed-4dbb-a501-9b165cb7073a
714	0,05625	26,75	11,875	0	1ccaccac-d6ac-46dc-a910-a3ceb3b69aab
715	0,05625	35,75006	11,625	0	83877cd4-f203-4070-a405-cf864431fec0
716	0,05625	35,75006	11,875	0	a3af5a1b-1b59-4f28-9029-cfa231df20d0
717	0,05625	36,25006	11,625	0	8275586e-dd11-4906-86a7-f4c6f115f6c2
718	0,05625	36,25006	11,875	0	aef4d6f2-1742-4b4c-a418-857b1074db02
719	0,05625	36,75006	11,625	0	41404d47-667d-4394-b1c9-8956ff9c72a
720	0,05625	36,75006	11,875	0	2e74b473-3436-48d7-b951-16c1730ba931
721	0,05625	37,25006	11,625	0	ff8f5197-1bae-46bd-b027-db3083ac42f7
722	0,05625	37,25006	11,875	0	45af6a90-ac94-47ea-82c3-d85aeb7a689b
723	0,019373	27,12499	11,625	0	399b8d0c-f288-43d3-ae2d-666e95ed1cf9
724	0,019373	27,12499	11,875	0	8746b502-2180-4c7c-ae32-18577fb803b1
725	0,042625	27,52497	11,625	0	15576348-05f7-4263-a3bf-a5ba33407d58
726	0,042625	27,52497	11,875	0	50aba5a1-ab98-4236-9da1-785762e7c990
727	0,050382	28,12501	11,625	0	87bff6ba-1eef-4389-a0d1-f350c639c463
728	0,050382	28,12501	11,875	0	0e3ffd76-1194-455c-ba4d-c47ee68db742
729	0,042625	28,72506	11,625	0	432949d0-772d-4c24-8d6d-f926da141c26
730	0,042625	28,72506	11,875	0	99cb15e6-0cc5-4dfe-a567-79fd2eb70c1c
731	0,03875	29,25006	11,625	0	c079b25a-e957-4350-9403-1272f0b2c1b2
732	0,03875	29,25006	11,875	0	98381a2f-3086-4bdc-88eb-b93c4b9e1a9e
733	0,03875	29,75006	11,625	0	dacb2ed5-c973-4267-851b-3d9757b67b8c
734	0,03875	29,75006	11,875	0	68057edf-7e20-470f-984e-775233b3f101
735	0,031	30,20006	11,625	0	110e5780-0051-4d3e-a089-5e5b538ab536
736	0,031	30,20006	11,875	0	defb0115-962a-43a1-bfd0-fa5ab0986674
739	0,031	31,05	11,625	0	b08f0864-a5a8-454e-9d4a-993da8f18991

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

**Table: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
740	0,031	31,05	11,875	0	d4795233-1bec-4944-81cd-9152a5cd714d
743	0,029063	31,81256	11,625	0	7bd238fc-f23c-479b-b936-f093f4b1df8a
744	0,029063	31,81256	11,875	0	68f84bc8-ed55-4621-9903-29a6b6d14434
745	0,03875	32,25006	11,625	0	66da93d4-2b0c-4081-90b6-c18944268dca
746	0,03875	32,25006	11,875	0	65756c9c-9fd0-458b-8cba-a301d5bb45ac
747	0,03875	32,75006	11,625	0	04454987-d4e7-464d-85f1-12c920414a47
748	0,03875	32,75006	11,875	0	1d7146e6-86e9-4815-a79b-56b87fa0d5ae
749	0,03875	33,25006	11,625	0	429d5275-722f-4e0b-b397-47e58114b75a
750	0,03875	33,25006	11,875	0	cc49af05-ccea-4627-a102-9ff97e7beef7
751	0,03875	33,75006	11,625	0	c1c7b4f9-01ad-46b4-ac4d-43320f08d350
752	0,03875	33,75006	11,875	0	cda3ac47-3445-45cf-a1a1-c3141f7f6e5e
753	0,03875	34,25006	11,625	0	91559545-00f0-41e4-90ec-50cbe1f183f8
754	0,03875	34,25006	11,875	0	922f63f9-f94d-479c-bf56-b0cd1157d135
755	0,03875	34,75006	11,625	0	f698a393-a40e-451e-9435-cdeef35a491d
756	0,03875	34,75006	11,875	0	2f0a02c8-01ed-4ae0-b9ed-a63dba804a3d
757	0,019368	35,12501	11,625	0	197804d2-0f0b-4f45-b0d0-e6dcca77d840
758	0,019368	35,12501	11,875	0	ec2dcda4-c26b-450b-97dc-dc838aeb69e8
759	0,019382	35,37501	11,625	0	d02e818c-7224-4577-87cf-57377e79dd41
760	0,019382	35,37501	11,875	0	000d1172-762e-48d0-83e0-208653e02fb7
761	0,05625	25,25	12,125	0	0f968e0e-db6e-41bf-80aa-a5d63beed699
762	0,05625	25,25	12,375	0	ea700ca0-7906-4df9-a5e0-d746b67f2d9e
763	0,05625	25,25	12,625	0	fcd08693-b5c4-445c-96d5-54b282c4af59
764	0,05625	25,25	12,875	0	200e4727-2117-4458-baf4-50a0688cab67
765	0,05625	25,75	12,125	0	fa49116d-77af-447b-8254-86c77d3c8275
766	0,05625	25,75	12,375	0	6c50876b-bee6-40fd-81c7-3bdabb2ca288
767	0,05625	25,75	12,625	0	36a99d18-2c02-4998-8139-d686b267a113
768	0,05625	25,75	12,875	0	b2dce981-d2c4-42d7-a548-844eec0d9409
769	0,05625	26,25	12,125	0	5089306e-8b31-4a8d-951b-f8df5e7b2dce
770	0,05625	26,25	12,375	0	69638926-a080-4d44-957e-d2cffe7a743a



AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

**Table: Connectivity - Area, Part 2 of 2**

Area	Volume	CentroidX	CentroidY	CentroidZ	GUID
	m3	m	m	m	
771	0,05625	26,25	12,625	0	50ea2c2c-79a1-4f40-82de-90055dc61d7e
772	0,05625	26,25	12,875	0	2b6b4a1b-374f-4534-97db-002747e14dcc
773	0,05625	26,75	12,125	0	cb56dad8-4ddc-4ea8-a84b-610d785e9fab
774	0,05625	26,75	12,375	0	ab4d1750-2f0f-4642-8215-6c9a1062b93b
775	0,05625	26,75	12,625	0	79c7224d-1851-4c4a-9046-8d9ef151561e
776	0,05625	26,75	12,875	0	aa8445a3-bdbd-40bf-bfb4-ba09910c0eb9
777	0,05625	35,75006	12,125	0	e907bb8c-8b1a-4baf-b977-267b4c444ef2
778	0,05625	35,75006	12,375	0	fad0cde3-4dc3-469b-b710-f16789d213ce
779	0,05625	35,75006	12,625	0	fcff11d8-0e56-4eb8-a393-7e70b7274e0b
780	0,05625	35,75006	12,875	0	4cd0e6ad-fcb5-4dc4-b316-5871df067d07
781	0,05625	36,25006	12,125	0	8f9031e6-10c1-4c72-bd3f-2972311a583f
782	0,05625	36,25006	12,375	0	54077fdd-c784-4414-8a22-3c21e7fe8dad
783	0,05625	36,25006	12,625	0	4affcaad-29af-4bac-9d73-e70b14c9b0f6
784	0,05625	36,25006	12,875	0	4715f6bc-b792-4d3d-8393-d8646729d92c
785	0,05625	36,75006	12,125	0	1f64b79b-b607-4cab-adf1-8397b11aa5c3
786	0,05625	36,75006	12,375	0	e01c5284-c7e0-4a56-8cb8-41d724621549
787	0,05625	36,75006	12,625	0	0a83a258-a3bf-415a-a662-a4317c6ffcea
788	0,05625	36,75006	12,875	0	a0ac051e-1bfc-46cd-8a18-36a6a511453d
789	0,05625	37,25006	12,125	0	dcad08b6-129e-4cec-acfc-e8d42c4ac97b
790	0,05625	37,25006	12,375	0	fb0f3c58-66df-4f6a-81ea-705b28ed2d31
791	0,05625	37,25006	12,625	0	06edb62e-32c6-471c-9027-3c944452c355
792	0,05625	37,25006	12,875	0	12acc7df-da10-4a37-9091-3b095528ca49
793	0,019373	27,12499	12,125	0	171fd23a-d8ff-4579-9c53-008062eb12f0
794	0,019373	27,12499	12,375	0	717cbf2a-87c8-41db-9871-0198fa4b8830
795	0,019373	27,12499	12,625	0	1828c116-657a-43e7-a378-a7f46af9242d
796	0,019373	27,12499	12,875	0	bee6896e-cc33-4f5b-a0fd-c1e2120b3bfc
797	0,042625	27,52497	12,125	0	6c5790b5-2747-4c26-98b3-0a3e94cbebf6
798	0,042625	27,52497	12,375	0	5ab20f0e-5d01-4fb7-8a37-196737c6c62f
799	0,042625	27,52497	12,625	0	520cd294-6b5d-4849-96db-1570aada8a61

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

**Table: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
800	0,042625	27,52497	12,875	0	7e60464b-4e65-4ee6-9d57-d407fe4880c0
801	0,050382	28,12501	12,125	0	9db1a624-0675-4c8e-8f84-f635f0be9ccb
802	0,050382	28,12501	12,375	0	5deadc7b-e835-401d-ac9d-2b64c98f643e
803	0,050382	28,12501	12,625	0	038e8bdb-c8d8-4dad-a116-fd234944f0fa
804	0,050382	28,12501	12,875	0	01da6ebc-8add-4bc6-b0dc-cce96fd4472c
805	0,042625	28,72506	12,125	0	adf4e539-1653-4a62-bf21-1c8f966247f2
806	0,042625	28,72506	12,375	0	1d5486df-2881-4619-ba02-ffa0f9b5b6ac
807	0,042625	28,72506	12,625	0	f56188c7-bbca-4598-81e9-5dd6b83896d8
808	0,042625	28,72506	12,875	0	4d6a7db1-9c84-4f7b-a5b3-f94ecb481c6a
809	0,03875	29,25006	12,125	0	dfd8e7f0-32a8-4dbc-9ed3-989fecb22b08
810	0,03875	29,25006	12,375	0	f9e03573-2211-46ee-9cad-70a3d6f6ea51
811	0,03875	29,25006	12,625	0	ae9a8598-485b-4421-9c5b-5d5fb6c4d34d
812	0,03875	29,25006	12,875	0	edb1a61b-2e94-4598-a5e5-13bf059648fd
813	0,03875	29,75006	12,125	0	6ce023c5-841c-4209-bb01-1a0ccc8da4df
814	0,03875	29,75006	12,375	0	165237e8-3071-4f3a-82d2-0335531e05fb
815	0,03875	29,75006	12,625	0	131bc811-e016-414c-bdab-1e8a0e1b1375
816	0,03875	29,75006	12,875	0	57133773-0c7b-4ab1-9ddb-9e1e9f8d6726
817	0,031	30,20006	12,125	0	36d7c08b-439f-4952-8379-36478ce49f40
818	0,031	30,20006	12,375	0	591143b3-4f38-498b-87cd-1bd69ebfb537
819	0,031	30,20006	12,625	0	b0140b46-dd2f-4581-9d48-239237d07b91
820	0,031	30,20006	12,875	0	903f5434-a1ac-40a3-995d-a3a209de4db6
825	0,031	31,05	12,125	0	e51dc0e0-16ca-49b2-9e16-2923f855eff8
826	0,031	31,05	12,375	0	02b9ab75-1563-4f9b-8c64-b89f0455c44d
827	0,031	31,05	12,625	0	62977bca-9271-4abb-90e5-ce989ca5182d
828	0,031	31,05	12,875	0	cf7c3a43-ae9f-4a2c-ac46-3c0d71011773
833	0,029063	31,81256	12,125	0	314a24d7-67ad-4b1b-a9d8-bf37a4f0218f
834	0,029063	31,81256	12,375	0	725a1d71-4633-4257-8c18-9de37304b434
835	0,029063	31,81256	12,625	0	4682f693-c50c-4fb2-952b-364b6cdf2763
836	0,029063	31,81256	12,875	0	b14031ca-b70c-40e6-88bf-a8f0cc88c342

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

**Table: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
837	0,03875	32,25006	12,125	0	9147d20c-90b8-4eca-ad88-b099d36b79af
838	0,03875	32,25006	12,375	0	ead8e58a-f44f-4796-bddf-6edb7a58b560
839	0,03875	32,25006	12,625	0	cba5dd51-dc76-45b1-ac4d-22b8424a936d
840	0,03875	32,25006	12,875	0	ce9155f9-d414-4935-ad8c-f6e07e74cc23
841	0,03875	32,75006	12,125	0	b7c2a8d7-8f25-4c31-ad70-07d60795374d
842	0,03875	32,75006	12,375	0	a5501b3a-115c-4905-9d84-0af96e986df9
843	0,03875	32,75006	12,625	0	9e043230-4dc8-4d50-a837-94d3d2a6a59d
844	0,03875	32,75006	12,875	0	fa04656b-ab48-481d-9769-6e883a8d8777
845	0,03875	33,25006	12,125	0	4e338c29-9825-43a3-8ce2-ceaf173bf29b
846	0,03875	33,25006	12,375	0	8f001701-e870-4f69-a7f2-2d03ec32f5cd
847	0,03875	33,25006	12,625	0	d6a213ec-7f34-4f3a-b8ee-a27b8167818f
848	0,03875	33,25006	12,875	0	f4f508e7-fa8f-4f76-8990-42d752419f6c
849	0,03875	33,75006	12,125	0	0620984e-b735-4791-bba0-0154c7b991c3
850	0,03875	33,75006	12,375	0	de51b8c7-b44e-4651-8a00-6fb9dd99e103
851	0,03875	33,75006	12,625	0	67728d6d-d07e-4eae-888e-47a31f209d55
852	0,03875	33,75006	12,875	0	d6ca2769-7464-476f-b67e-c92144030ab7
853	0,03875	34,25006	12,125	0	89992a6b-a18b-4aad-b858-7abd72eb3031
854	0,03875	34,25006	12,375	0	afbe43d9-efd6-4312-8adf-78e474665bb9
855	0,03875	34,25006	12,625	0	512de459-51b0-422b-a916-ecbf7097d080
856	0,03875	34,25006	12,875	0	0cf888cf-f631-4a24-a8da-093c9227312d
857	0,03875	34,75006	12,125	0	41823168-7177-4f2f-a84b-0062d0507528
858	0,03875	34,75006	12,375	0	ea463f6a-3b08-4f35-9adb-98770c71930e
859	0,03875	34,75006	12,625	0	694210ca-9ef3-4dfb-9f86-a0dc2f1daa91
860	0,03875	34,75006	12,875	0	5bf494b7-cf7b-4cca-ae67-47ab1c99fee6
861	0,019368	35,12501	12,125	0	10e09861-b2a6-4762-b724-af7eb7c222ae
862	0,019368	35,12501	12,375	0	f305bd99-1588-470c-bdf9-7c4aa8cfe0de
863	0,019368	35,12501	12,625	0	f85be3bd-f404-444d-9acc-7cfac53692d3
864	0,019368	35,12501	12,875	0	a8af7fcd-0bd4-4cbc-a25f-dceb134dc1c3
865	0,019382	35,37501	12,125	0	8b9ab6a5-d9bf-4bf2-9123-e964f3691731

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

**Table: Connectivity - Area, Part 2 of 2**

Area	Volume	CentroidX	CentroidY	CentroidZ	GUID
	m3	m	m	m	
866	0,019382	35,37501	12,375	0	3f416030-626b-46e0-8b4d-24f1f2f525c5
867	0,019382	35,37501	12,625	0	c56b0742-ed0a-4f78-9852-6cc3ce1ab913
868	0,019382	35,37501	12,875	0	4873371e-9e5a-4df1-a26e-94e9c327d0d6
891	0,029067	31,34376	10,75	0	806ad578-b237-41d0-9a0a-7d39ce1c7941
892	0,029067	31,53129	10,75	0	7c0fe2af-7e62-48de-b140-95fc632bfec8
893	0,029067	31,34376	11,25	0	f06f24b9-6790-4c6d-9e36-8fdafa9ced704
894	0,029067	31,53129	11,25	0	fb17cad6-2854-4d02-8a82-d1f4f1de4cd4
915	0,014533	31,34376	11,625	0	fd50994a-92c9-4020-9b8d-337760cfbf03
916	0,014533	31,53129	11,625	0	3ab9aa5f-8fe5-41bd-b1d2-1274ba311620
917	0,014533	31,34376	11,875	0	aeb80c60-0ea0-4907-8714-a3f0bebefd26
918	0,014533	31,53129	11,875	0	120f85c4-0867-493e-bf69-7938d61e7def
919	0,014533	31,34376	12,125	0	06d77de0-02e1-4c92-83da-953a0e868622
920	0,014533	31,53129	12,125	0	baf3156d-ab7b-4d50-9aee-372501a5eb6c
921	0,014533	31,34376	12,375	0	199bf298-f8e4-4e4a-a8e5-7019e3a357af
922	0,014533	31,53129	12,375	0	a077d83e-d506-4a2d-8b6b-1edad8853684
923	0,014533	31,34376	12,625	0	14a85e32-ad5a-49f5-a23a-73f1435627a5
924	0,014533	31,53129	12,625	0	a1b057c0-5e28-4363-99da-50a06762e37d
925	0,014533	31,34376	12,875	0	c507665b-795b-4568-94db-193dd9bca08b
926	0,014533	31,53129	12,875	0	041e101f-a739-43b8-af48-7e1721e0e5a5
960	0,023247	30,47505	10,75	0	f5ea1f0a-df5a-4725-af35-af6672ad4034
961	0,023247	30,62503	10,75	0	24a8ad53-b77b-48c7-9099-e127b27f98fb
962	0,023247	30,77501	10,75	0	dc421a32-21a3-4d0b-ab96-00ece78bd56a
963	0,023247	30,47505	11,25	0	1d2f843a-f8b0-49bf-9ab3-decbfea82b27
964	0,023247	30,62503	11,25	0	177de417-0334-4781-997b-a992c7e04b10
965	0,023247	30,77501	11,25	0	aecdb7c6-7522-4eb5-a6d6-9155cc7145db
996	0,011624	30,47505	11,625	0	8428e2b6-0b6c-41c0-89e6-cc5fb8e274e2
997	0,011624	30,62503	11,625	0	d160c27a-683f-4c7f-acdc-979bcd156f9f
998	0,011624	30,77501	11,625	0	28421670-1578-4ab8-bf9c-f77e903d28b2
999	0,011624	30,47505	11,875	0	1f5c111d-37a2-4bf3-ad4d-9f2ecd7ec276

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell’Astico

**Table: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
1000	0,011624	30,62503	11,875	0	d1a1be06-857e-4a5f-8152-65b4d59a63c7
1001	0,011624	30,77501	11,875	0	014e2544-8313-4900-a548-6296f8b8d622
1002	0,011624	30,47505	12,125	0	deda365b-fcab-459d-8970-2ab589e2a6b6
1003	0,011624	30,62503	12,125	0	85a3f639-5896-4245-9b93-9b8b207085c8
1004	0,011624	30,77501	12,125	0	91720e1f-946b-4fb0-b322-9cdd4a7590b9
1005	0,011624	30,47505	12,375	0	8f2efb01-d4c4-4a9f-b1ce-14c58bdd4309
1006	0,011624	30,62503	12,375	0	da8fa8ac-6701-4fec-9da9-3bd8fcb0bf93
1007	0,011624	30,77501	12,375	0	a6cb6fa8-1dae-4551-8701-dc085bc4c59a
1008	0,011624	30,47505	12,625	0	8edeb8ac-89f2-42ec-b007-927b8734da2d
1009	0,011624	30,62503	12,625	0	7a5dad94-db64-450e-8c47-fd35fb91df85
1010	0,011624	30,77501	12,625	0	a519ed40-28c8-444c-89d7-ff60dcf3bc31
1011	0,011624	30,47505	12,875	0	2e141061-d67c-48c0-9ac9-3d6c28cd8e6b
1012	0,011624	30,62503	12,875	0	ce24396f-4f92-4fe4-9925-a2222683d746
1013	0,011624	30,77501	12,875	0	4e57b284-5167-494f-b31d-ca5aaa64e9e5

**Table: Joint Coordinates, Part 1 of 2**

**Table: Joint Coordinates, Part 1 of 2**

Joint	CoordSys	CoordType	XorR m	Y m	Z m	SpecialJt	GlobalX m
944	GLOBAL	Cartesian	25	13	0	No	25
945	GLOBAL	Cartesian	37,50006	13	0	No	37,50006
946	GLOBAL	Cartesian	25	12,5	0	No	25
947	GLOBAL	Cartesian	37,50006	12,5	0	No	37,50006
948	GLOBAL	Cartesian	25	12	0	No	25
949	GLOBAL	Cartesian	37,50006	12	0	No	37,50006
950	GLOBAL	Cartesian	25	11,5	0	No	25
951	GLOBAL	Cartesian	37,50006	11,5	0	No	37,50006
952	GLOBAL	Cartesian	25	11	0	No	25
953	GLOBAL	Cartesian	37,50006	11	0	No	37,50006
954	GLOBAL	Cartesian	25	10,5	0	No	25
955	GLOBAL	Cartesian	37,50006	10,5	0	No	37,50006
983	GLOBAL	Cartesian	27,24997	13	0	No	27,24997
984	GLOBAL	Cartesian	27,24997	12,5	0	No	27,24997
985	GLOBAL	Cartesian	27,24997	12	0	No	27,24997
986	GLOBAL	Cartesian	27,24997	11,5	0	No	27,24997
987	GLOBAL	Cartesian	27,24997	11	0	No	27,24997
988	GLOBAL	Cartesian	27,24997	10,5	0	No	27,24997
1008	GLOBAL	Cartesian	31,25	13	0	No	31,25
1009	GLOBAL	Cartesian	31,25	12,5	0	No	31,25

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Joint Coordinates, Part 1 of 2

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJt	GlobalX
			m	m	m		m
1010	GLOBAL	Cartesian	31,25	12	0	No	31,25
1011	GLOBAL	Cartesian	31,25	11,5	0	No	31,25
1012	GLOBAL	Cartesian	31,25	11	0	No	31,25
1013	GLOBAL	Cartesian	31,25	10,5	0	No	31,25
1033	GLOBAL	Cartesian	35,24997	13	0	No	35,24997
1034	GLOBAL	Cartesian	35,24997	12,5	0	No	35,24997
1035	GLOBAL	Cartesian	35,24997	12	0	No	35,24997
1036	GLOBAL	Cartesian	35,24997	11,5	0	No	35,24997
1037	GLOBAL	Cartesian	35,24997	11	0	No	35,24997
1038	GLOBAL	Cartesian	35,24997	10,5	0	No	35,24997
1058	GLOBAL	Cartesian	27	13	0	No	27
1059	GLOBAL	Cartesian	27	12,5	0	No	27
1060	GLOBAL	Cartesian	27	12	0	No	27
1061	GLOBAL	Cartesian	27	11,5	0	No	27
1062	GLOBAL	Cartesian	27	11	0	No	27
1063	GLOBAL	Cartesian	27	10,5	0	No	27
1083	GLOBAL	Cartesian	35,50006	13	0	No	35,50006
1084	GLOBAL	Cartesian	35,50006	12,5	0	No	35,50006
1085	GLOBAL	Cartesian	35,50006	12	0	No	35,50006
1086	GLOBAL	Cartesian	35,50006	11,5	0	No	35,50006
1087	GLOBAL	Cartesian	35,50006	11	0	No	35,50006
1088	GLOBAL	Cartesian	35,50006	10,5	0	No	35,50006
1477	GLOBAL	Cartesian	25,5	13	0	No	25,5
1478	GLOBAL	Cartesian	26	13	0	No	26
1479	GLOBAL	Cartesian	26,5	13	0	No	26,5
1480	GLOBAL	Cartesian	27,79997	13	0	No	27,79997
1481	GLOBAL	Cartesian	28,45006	13	0	No	28,45006
1482	GLOBAL	Cartesian	29,00006	13	0	No	29,00006
1483	GLOBAL	Cartesian	29,50006	13	0	No	29,50006
1484	GLOBAL	Cartesian	30,00006	13	0	No	30,00006
1485	GLOBAL	Cartesian	30,40006	13	0	No	30,40006
1486	GLOBAL	Cartesian	30,85	13	0	No	30,85
1487	GLOBAL	Cartesian	31,62506	13	0	No	31,62506
1488	GLOBAL	Cartesian	32,00006	13	0	No	32,00006
1489	GLOBAL	Cartesian	32,50006	13	0	No	32,50006
1490	GLOBAL	Cartesian	33,00006	13	0	No	33,00006
1491	GLOBAL	Cartesian	33,50006	13	0	No	33,50006
1492	GLOBAL	Cartesian	34,00006	13	0	No	34,00006
1493	GLOBAL	Cartesian	34,50006	13	0	No	34,50006
1494	GLOBAL	Cartesian	35,00006	13	0	No	35,00006
1495	GLOBAL	Cartesian	36,00006	13	0	No	36,00006
1496	GLOBAL	Cartesian	36,50006	13	0	No	36,50006
1497	GLOBAL	Cartesian	37,00006	13	0	No	37,00006
1498	GLOBAL	Cartesian	25,5	12,5	0	No	25,5
1499	GLOBAL	Cartesian	26	12,5	0	No	26
1500	GLOBAL	Cartesian	26,5	12,5	0	No	26,5
1501	GLOBAL	Cartesian	27,79997	12,5	0	No	27,79997
1502	GLOBAL	Cartesian	28,45006	12,5	0	No	28,45006
1503	GLOBAL	Cartesian	29,00006	12,5	0	No	29,00006
1504	GLOBAL	Cartesian	29,50006	12,5	0	No	29,50006
1505	GLOBAL	Cartesian	30,00006	12,5	0	No	30,00006
1506	GLOBAL	Cartesian	30,40006	12,5	0	No	30,40006
1507	GLOBAL	Cartesian	30,85	12,5	0	No	30,85

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Joint Coordinates, Part 1 of 2

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJt	GlobalX
			m	m	m		m
1508	GLOBAL	Cartesian	31,62506	12,5	0	No	31,62506
1509	GLOBAL	Cartesian	32,00006	12,5	0	No	32,00006
1510	GLOBAL	Cartesian	32,50006	12,5	0	No	32,50006
1511	GLOBAL	Cartesian	33,00006	12,5	0	No	33,00006
1512	GLOBAL	Cartesian	33,50006	12,5	0	No	33,50006
1513	GLOBAL	Cartesian	34,00006	12,5	0	No	34,00006
1514	GLOBAL	Cartesian	34,50006	12,5	0	No	34,50006
1515	GLOBAL	Cartesian	35,00006	12,5	0	No	35,00006
1516	GLOBAL	Cartesian	36,00006	12,5	0	No	36,00006
1517	GLOBAL	Cartesian	36,50006	12,5	0	No	36,50006
1518	GLOBAL	Cartesian	37,00006	12,5	0	No	37,00006
1519	GLOBAL	Cartesian	25,5	12	0	No	25,5
1520	GLOBAL	Cartesian	26	12	0	No	26
1521	GLOBAL	Cartesian	26,5	12	0	No	26,5
1522	GLOBAL	Cartesian	27,79997	12	0	No	27,79997
1523	GLOBAL	Cartesian	28,45006	12	0	No	28,45006
1524	GLOBAL	Cartesian	29,00006	12	0	No	29,00006
1525	GLOBAL	Cartesian	29,50006	12	0	No	29,50006
1526	GLOBAL	Cartesian	30,00006	12	0	No	30,00006
1527	GLOBAL	Cartesian	30,40006	12	0	No	30,40006
1528	GLOBAL	Cartesian	30,85	12	0	No	30,85
1529	GLOBAL	Cartesian	31,62506	12	0	No	31,62506
1530	GLOBAL	Cartesian	32,00006	12	0	No	32,00006
1531	GLOBAL	Cartesian	32,50006	12	0	No	32,50006
1532	GLOBAL	Cartesian	33,00006	12	0	No	33,00006
1533	GLOBAL	Cartesian	33,50006	12	0	No	33,50006
1534	GLOBAL	Cartesian	34,00006	12	0	No	34,00006
1535	GLOBAL	Cartesian	34,50006	12	0	No	34,50006
1536	GLOBAL	Cartesian	35,00006	12	0	No	35,00006
1537	GLOBAL	Cartesian	36,00006	12	0	No	36,00006
1538	GLOBAL	Cartesian	36,50006	12	0	No	36,50006
1539	GLOBAL	Cartesian	37,00006	12	0	No	37,00006
1540	GLOBAL	Cartesian	25,5	11,5	0	No	25,5
1541	GLOBAL	Cartesian	26	11,5	0	No	26
1542	GLOBAL	Cartesian	26,5	11,5	0	No	26,5
1543	GLOBAL	Cartesian	27,79997	11,5	0	No	27,79997
1544	GLOBAL	Cartesian	28,45006	11,5	0	No	28,45006
1545	GLOBAL	Cartesian	29,00006	11,5	0	No	29,00006
1546	GLOBAL	Cartesian	29,50006	11,5	0	No	29,50006
1547	GLOBAL	Cartesian	30,00006	11,5	0	No	30,00006
1548	GLOBAL	Cartesian	30,40006	11,5	0	No	30,40006
1549	GLOBAL	Cartesian	30,85	11,5	0	No	30,85
1550	GLOBAL	Cartesian	31,62506	11,5	0	No	31,62506
1551	GLOBAL	Cartesian	32,00006	11,5	0	No	32,00006
1552	GLOBAL	Cartesian	32,50006	11,5	0	No	32,50006
1553	GLOBAL	Cartesian	33,00006	11,5	0	No	33,00006
1554	GLOBAL	Cartesian	33,50006	11,5	0	No	33,50006
1555	GLOBAL	Cartesian	34,00006	11,5	0	No	34,00006
1556	GLOBAL	Cartesian	34,50006	11,5	0	No	34,50006
1557	GLOBAL	Cartesian	35,00006	11,5	0	No	35,00006
1558	GLOBAL	Cartesian	36,00006	11,5	0	No	36,00006
1559	GLOBAL	Cartesian	36,50006	11,5	0	No	36,50006
1560	GLOBAL	Cartesian	37,00006	11,5	0	No	37,00006

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Joint Coordinates, Part 1 of 2

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJt	GlobalX
			m	m	m		m
1561	GLOBAL	Cartesian	25,5	11	0	No	25,5
1562	GLOBAL	Cartesian	26	11	0	No	26
1563	GLOBAL	Cartesian	26,5	11	0	No	26,5
1564	GLOBAL	Cartesian	27,79997	11	0	No	27,79997
1565	GLOBAL	Cartesian	28,45006	11	0	No	28,45006
1566	GLOBAL	Cartesian	29,00006	11	0	No	29,00006
1567	GLOBAL	Cartesian	29,50006	11	0	No	29,50006
1568	GLOBAL	Cartesian	30,00006	11	0	No	30,00006
1569	GLOBAL	Cartesian	30,40006	11	0	No	30,40006
1570	GLOBAL	Cartesian	30,85	11	0	No	30,85
1571	GLOBAL	Cartesian	31,62506	11	0	No	31,62506
1572	GLOBAL	Cartesian	32,00006	11	0	No	32,00006
1573	GLOBAL	Cartesian	32,50006	11	0	No	32,50006
1574	GLOBAL	Cartesian	33,00006	11	0	No	33,00006
1575	GLOBAL	Cartesian	33,50006	11	0	No	33,50006
1576	GLOBAL	Cartesian	34,00006	11	0	No	34,00006
1577	GLOBAL	Cartesian	34,50006	11	0	No	34,50006
1578	GLOBAL	Cartesian	35,00006	11	0	No	35,00006
1579	GLOBAL	Cartesian	36,00006	11	0	No	36,00006
1580	GLOBAL	Cartesian	36,50006	11	0	No	36,50006
1581	GLOBAL	Cartesian	37,00006	11	0	No	37,00006
1582	GLOBAL	Cartesian	25,5	10,5	0	No	25,5
1583	GLOBAL	Cartesian	26	10,5	0	No	26
1584	GLOBAL	Cartesian	26,5	10,5	0	No	26,5
1585	GLOBAL	Cartesian	27,79997	10,5	0	No	27,79997
1586	GLOBAL	Cartesian	28,45006	10,5	0	No	28,45006
1587	GLOBAL	Cartesian	29,00006	10,5	0	No	29,00006
1588	GLOBAL	Cartesian	29,50006	10,5	0	No	29,50006
1589	GLOBAL	Cartesian	30,00006	10,5	0	No	30,00006
1590	GLOBAL	Cartesian	30,40006	10,5	0	No	30,40006
1591	GLOBAL	Cartesian	30,85	10,5	0	No	30,85
1592	GLOBAL	Cartesian	31,62506	10,5	0	No	31,62506
1593	GLOBAL	Cartesian	32,00006	10,5	0	No	32,00006
1594	GLOBAL	Cartesian	32,50006	10,5	0	No	32,50006
1595	GLOBAL	Cartesian	33,00006	10,5	0	No	33,00006
1761	GLOBAL	Cartesian	33,50006	10,5	0	No	33,50006
1762	GLOBAL	Cartesian	34,00006	10,5	0	No	34,00006
1763	GLOBAL	Cartesian	34,50006	10,5	0	No	34,50006
1764	GLOBAL	Cartesian	35,00006	10,5	0	No	35,00006
1765	GLOBAL	Cartesian	36,00006	10,5	0	No	36,00006
1766	GLOBAL	Cartesian	36,50006	10,5	0	No	36,50006
1767	GLOBAL	Cartesian	37,00006	10,5	0	No	37,00006
1958	GLOBAL	Cartesian	25,5	11,75	0	No	25,5
1959	GLOBAL	Cartesian	25	11,75	0	No	25
1960	GLOBAL	Cartesian	26	11,75	0	No	26
1961	GLOBAL	Cartesian	26,5	11,75	0	No	26,5
1962	GLOBAL	Cartesian	27	11,75	0	No	27
1963	GLOBAL	Cartesian	36,00006	11,75	0	No	36,00006
1964	GLOBAL	Cartesian	35,50006	11,75	0	No	35,50006
1965	GLOBAL	Cartesian	36,50006	11,75	0	No	36,50006
1966	GLOBAL	Cartesian	37,00006	11,75	0	No	37,00006
1967	GLOBAL	Cartesian	37,50006	11,75	0	No	37,50006
1968	GLOBAL	Cartesian	27,24997	11,75	0	No	27,24997



AUTOSTRADA VALDASTICO A31 NORD  
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Table: Joint Coordinates, Part 1 of 2

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJt	GlobalX
			m	m	m		m
1969	GLOBAL	Cartesian	27,79997	11,75	0	No	27,79997
1970	GLOBAL	Cartesian	28,45006	11,75	0	No	28,45006
1971	GLOBAL	Cartesian	29,00006	11,75	0	No	29,00006
1972	GLOBAL	Cartesian	29,50006	11,75	0	No	29,50006
1973	GLOBAL	Cartesian	30,00006	11,75	0	No	30,00006
1974	GLOBAL	Cartesian	30,40006	11,75	0	No	30,40006
1975	GLOBAL	Cartesian	30,85	11,75	0	No	30,85
1976	GLOBAL	Cartesian	31,25	11,75	0	No	31,25
1977	GLOBAL	Cartesian	31,62506	11,75	0	No	31,62506
1978	GLOBAL	Cartesian	32,00006	11,75	0	No	32,00006
1979	GLOBAL	Cartesian	32,50006	11,75	0	No	32,50006
1980	GLOBAL	Cartesian	33,00006	11,75	0	No	33,00006
1981	GLOBAL	Cartesian	33,50006	11,75	0	No	33,50006
1982	GLOBAL	Cartesian	34,00006	11,75	0	No	34,00006
1983	GLOBAL	Cartesian	34,50006	11,75	0	No	34,50006
1984	GLOBAL	Cartesian	35,00006	11,75	0	No	35,00006
1985	GLOBAL	Cartesian	35,24997	11,75	0	No	35,24997
1986	GLOBAL	Cartesian	25,5	12,25	0	No	25,5
1987	GLOBAL	Cartesian	25	12,25	0	No	25
1988	GLOBAL	Cartesian	25,5	12,75	0	No	25,5
1989	GLOBAL	Cartesian	25	12,75	0	No	25
1990	GLOBAL	Cartesian	26	12,25	0	No	26
1991	GLOBAL	Cartesian	26	12,75	0	No	26
1992	GLOBAL	Cartesian	26,5	12,25	0	No	26,5
1993	GLOBAL	Cartesian	26,5	12,75	0	No	26,5
1994	GLOBAL	Cartesian	27	12,25	0	No	27
1995	GLOBAL	Cartesian	27	12,75	0	No	27
1996	GLOBAL	Cartesian	36,00006	12,25	0	No	36,00006
1997	GLOBAL	Cartesian	35,50006	12,25	0	No	35,50006
1998	GLOBAL	Cartesian	36,00006	12,75	0	No	36,00006
1999	GLOBAL	Cartesian	35,50006	12,75	0	No	35,50006
2000	GLOBAL	Cartesian	36,50006	12,25	0	No	36,50006
2001	GLOBAL	Cartesian	36,50006	12,75	0	No	36,50006
2002	GLOBAL	Cartesian	37,00006	12,25	0	No	37,00006
2003	GLOBAL	Cartesian	37,00006	12,75	0	No	37,00006
2004	GLOBAL	Cartesian	37,50006	12,25	0	No	37,50006
2005	GLOBAL	Cartesian	37,50006	12,75	0	No	37,50006
2006	GLOBAL	Cartesian	27,24997	12,25	0	No	27,24997
2007	GLOBAL	Cartesian	27,24997	12,75	0	No	27,24997
2008	GLOBAL	Cartesian	27,79997	12,25	0	No	27,79997
2009	GLOBAL	Cartesian	27,79997	12,75	0	No	27,79997
2010	GLOBAL	Cartesian	28,45006	12,25	0	No	28,45006
2011	GLOBAL	Cartesian	28,45006	12,75	0	No	28,45006
2012	GLOBAL	Cartesian	29,00006	12,25	0	No	29,00006
2013	GLOBAL	Cartesian	29,00006	12,75	0	No	29,00006
2014	GLOBAL	Cartesian	29,50006	12,25	0	No	29,50006
2015	GLOBAL	Cartesian	29,50006	12,75	0	No	29,50006
2016	GLOBAL	Cartesian	30,00006	12,25	0	No	30,00006
2017	GLOBAL	Cartesian	30,00006	12,75	0	No	30,00006
2018	GLOBAL	Cartesian	30,40006	12,25	0	No	30,40006
2019	GLOBAL	Cartesian	30,40006	12,75	0	No	30,40006
2020	GLOBAL	Cartesian	30,85	12,25	0	No	30,85
2021	GLOBAL	Cartesian	30,85	12,75	0	No	30,85

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Table: Joint Coordinates, Part 1 of 2

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJt	GlobalX
			m	m	m		m
2022	GLOBAL	Cartesian	31,25	12,25	0	No	31,25
2023	GLOBAL	Cartesian	31,25	12,75	0	No	31,25
2024	GLOBAL	Cartesian	31,62506	12,25	0	No	31,62506
2025	GLOBAL	Cartesian	31,62506	12,75	0	No	31,62506
2026	GLOBAL	Cartesian	32,00006	12,25	0	No	32,00006
2027	GLOBAL	Cartesian	32,00006	12,75	0	No	32,00006
2028	GLOBAL	Cartesian	32,50006	12,25	0	No	32,50006
2029	GLOBAL	Cartesian	32,50006	12,75	0	No	32,50006
2030	GLOBAL	Cartesian	33,00006	12,25	0	No	33,00006
2031	GLOBAL	Cartesian	33,00006	12,75	0	No	33,00006
2032	GLOBAL	Cartesian	33,50006	12,25	0	No	33,50006
2033	GLOBAL	Cartesian	33,50006	12,75	0	No	33,50006
2034	GLOBAL	Cartesian	34,00006	12,25	0	No	34,00006
2035	GLOBAL	Cartesian	34,00006	12,75	0	No	34,00006
2036	GLOBAL	Cartesian	34,50006	12,25	0	No	34,50006
2037	GLOBAL	Cartesian	34,50006	12,75	0	No	34,50006
2038	GLOBAL	Cartesian	35,00006	12,25	0	No	35,00006
2039	GLOBAL	Cartesian	35,00006	12,75	0	No	35,00006
2040	GLOBAL	Cartesian	35,24997	12,25	0	No	35,24997
2041	GLOBAL	Cartesian	35,24997	12,75	0	No	35,24997
2053	GLOBAL	Cartesian	31,43753	10,5	0	No	31,43753
2054	GLOBAL	Cartesian	31,43753	11	0	No	31,43753
2055	GLOBAL	Cartesian	31,43753	11,5	0	No	31,43753
2056	GLOBAL	Cartesian	31,43753	13	0	No	31,43753
2067	GLOBAL	Cartesian	31,43753	11,75	0	No	31,43753
2068	GLOBAL	Cartesian	31,43753	12	0	No	31,43753
2069	GLOBAL	Cartesian	31,43753	12,25	0	No	31,43753
2070	GLOBAL	Cartesian	31,43753	12,5	0	No	31,43753
2071	GLOBAL	Cartesian	31,43753	12,75	0	No	31,43753
2094	GLOBAL	Cartesian	30,55004	10,5	0	No	30,55004
2095	GLOBAL	Cartesian	30,70002	10,5	0	No	30,70002
2096	GLOBAL	Cartesian	30,55004	11	0	No	30,55004
2097	GLOBAL	Cartesian	30,70002	11	0	No	30,70002
2098	GLOBAL	Cartesian	30,55004	11,5	0	No	30,55004
2099	GLOBAL	Cartesian	30,70002	11,5	0	No	30,70002
2100	GLOBAL	Cartesian	30,55004	13	0	No	30,55004
2102	GLOBAL	Cartesian	30,70002	13	0	No	30,70002
2122	GLOBAL	Cartesian	30,55004	11,75	0	No	30,55004
2123	GLOBAL	Cartesian	30,70002	11,75	0	No	30,70002
2124	GLOBAL	Cartesian	30,55004	12	0	No	30,55004
2125	GLOBAL	Cartesian	30,70002	12	0	No	30,70002
2126	GLOBAL	Cartesian	30,55004	12,25	0	No	30,55004
2127	GLOBAL	Cartesian	30,70002	12,25	0	No	30,70002
2128	GLOBAL	Cartesian	30,55004	12,5	0	No	30,55004
2129	GLOBAL	Cartesian	30,70002	12,5	0	No	30,70002
2130	GLOBAL	Cartesian	30,55004	12,75	0	No	30,55004
2131	GLOBAL	Cartesian	30,70002	12,75	0	No	30,70002

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**Table: Joint Coordinates, Part 2 of 2**

Table: Joint Coordinates, Part 2 of 2			
Joint	GlobalY m	GlobalZ m	GUID
944	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
945	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
946	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
947	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
948	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
949	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
950	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
951	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
952	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
953	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
954	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
955	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
983	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
984	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
985	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
986	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
987	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
988	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1008	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1009	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1010	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1011	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1012	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1013	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1033	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1034	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1035	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1036	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

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**Table: Joint Coordinates, Part 2 of 2**

Joint	GlobalY	GlobalZ	GUID
	m	m	
1037	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1038	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1058	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1059	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1060	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1061	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1062	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1063	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1083	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1084	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1085	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1086	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1087	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1088	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1477	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1478	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1479	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1480	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1481	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1482	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1483	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1484	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1485	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1486	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1487	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1488	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1489	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1490	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1491	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

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**Table: Joint Coordinates, Part 2 of 2**

Joint	GlobalY	GlobalZ	GUID
	m	m	
1492	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1493	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1494	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1495	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1496	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1497	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1498	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1499	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1500	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1501	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1502	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1503	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1504	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1505	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1506	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1507	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1508	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1509	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1510	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1511	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1512	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1513	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1514	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1515	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1516	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1517	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1518	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1519	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1520	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

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**Table: Joint Coordinates, Part 2 of 2**

Joint	GlobalY	GlobalZ	GUID
	m	m	
1521	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1522	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1523	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1524	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1525	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1526	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1527	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1528	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1529	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1530	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1531	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1532	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1533	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1534	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1535	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1536	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1537	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1538	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1539	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1540	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1541	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1542	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1543	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1544	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1545	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1546	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1547	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1548	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1549	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

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**Table: Joint Coordinates, Part 2 of 2**

Joint	GlobalY m	GlobalZ m	GUID
1550	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1551	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1552	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1553	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1554	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1555	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1556	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1557	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1558	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1559	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1560	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1561	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1562	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1563	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1564	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1565	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1566	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1567	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1568	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1569	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1570	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1571	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1572	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1573	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1574	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1575	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1576	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1577	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1578	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

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**Table: Joint Coordinates, Part 2 of 2**

Joint	GlobalY	GlobalZ	GUID
	m	m	
1579	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1580	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1581	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1582	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1583	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1584	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1585	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1586	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1587	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1588	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1589	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1590	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1591	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1592	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1593	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1594	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1595	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1761	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1762	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1763	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1764	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1765	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1766	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1767	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1958	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1959	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1960	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1961	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1962	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752



AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

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**Table: Joint Coordinates, Part 2 of 2**

Joint	GlobalY	GlobalZ	GUID
	m	m	
1963	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1964	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1965	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1966	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1967	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1968	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1969	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1970	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1971	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1972	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1973	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1974	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1975	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1976	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1977	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1978	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1979	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1980	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1981	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1982	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1983	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1984	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1985	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1986	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1987	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1988	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1989	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1990	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1991	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

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**Table: Joint Coordinates, Part 2 of 2**

Joint	GlobalY m	GlobalZ m	GUID
1992	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1993	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1994	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1995	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1996	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1997	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1998	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1999	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2000	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2001	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2002	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2003	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2004	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2005	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2006	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2007	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2008	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2009	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2010	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2011	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2012	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2013	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2014	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2015	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2016	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2017	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2018	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2019	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2020	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

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**Table: Joint Coordinates, Part 2 of 2**

Joint	GlobalY m	GlobalZ m	GUID
2021	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2022	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2023	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2024	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2025	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2026	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2027	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2028	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2029	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2030	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2031	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2032	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2033	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2034	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2035	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2036	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2037	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2038	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2039	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2040	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2041	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2053	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2054	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2055	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2056	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2067	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2068	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2069	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2070	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752

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**Table: Joint Coordinates, Part 2 of 2**

Joint	GlobalY m	GlobalZ m	GUID
2071	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2094	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2095	10,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2096	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2097	11	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2098	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2099	11,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2100	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2102	13	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2122	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2123	11,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2124	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2125	12	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2126	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2127	12,25	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2128	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2129	12,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2130	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2131	12,75	0	5fad8909-0c1b-4955-9ceb-ae6389898752

**Table: Joint Loads - Force, Part 1 of 2**

**Table: Joint Loads - Force, Part 1 of 2**

Joint	LoadPat	CoordSys	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m
944	G2-RETE	GLOBAL	0	0	-0,5	0	0
945	G2-RETE	GLOBAL	0	0	-0,5	0	0
946	G2-RETE	GLOBAL	0	0	-0,5	0	0
947	G2-RETE	GLOBAL	0	0	-0,5	0	0
948	G2-RETE	GLOBAL	0	0	-0,5	0	0
949	G2-RETE	GLOBAL	0	0	-0,5	0	0
950	G2-RETE	GLOBAL	0	0	-0,5	0	0
951	G2-RETE	GLOBAL	0	0	-0,5	0	0
952	G2-RETE	GLOBAL	0	0	-0,5	0	0
953	G2-RETE	GLOBAL	0	0	-0,5	0	0
954	G2-RETE	GLOBAL	0	0	-0,5	0	0

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**Table: Joint Loads - Force, Part 1 of 2**

Joint	LoadPat	CoordSys	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
955	G2-RETE	GLOBAL	0	0	-0,5	0	0
1058	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0
1059	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0
1060	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0
1061	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0
1062	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0
1063	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0
1083	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0
1084	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0
1085	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0
1086	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0
1087	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0
1088	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0

**Table: Joint Loads - Force, Part 2 of 2**

**Table: Joint Loads - Force, Part 2 of 2**

Joint	LoadPat	M3	GUID
		KN-m	
944	G2-RETE	0	58161b58-b9b9-4c33-bf37-87f704659253
945	G2-RETE	0	65e0ad4e-bae4-4ef0-b261-63f29ab98e1b
946	G2-RETE	0	2483d389-b220-45df-b6a8-dd7be27e3b67
947	G2-RETE	0	430e26f5-c6a4-4611-b63d-9b1fdb14364c
948	G2-RETE	0	eeccd062-c1c4-443e-b77d-cf5ac95a10bb
949	G2-RETE	0	4b1b2355-ca9a-454c-8d6a-714fa7329fa4
950	G2-RETE	0	fc0fee05-4a0f-448d-abba-ad821377362c
951	G2-RETE	0	6eb5b823-5a5e-4c0a-a5f9-5ef46dae076f
952	G2-RETE	0	04fed627-3936-4280-82d2-7edbb1235c85
953	G2-RETE	0	e5293c39-58c9-405e-b705-c30ede2b1165
954	G2-RETE	0	804fa598-3628-47eb-ac4c-64d122bef735
955	G2-RETE	0	500eda56-3caf-429f-80cb-3bf8db4d5ddf
1058	G2-GUARDRAIL	0	936985c3-6c71-4a67-b19d-0159a7b98b90
1059	G2-GUARDRAIL	0	20dc0bd5-a0b9-456d-bf1e-d0a4ee3a3c3f
1060	G2-GUARDRAIL	0	cb890ccc-ea13-483f-af28-e511eccf1589
1061	G2-GUARDRAIL	0	19aa342b-a7a8-4cd4-b8a3-ef2a9bde9df1
1062	G2-GUARDRAIL	0	df83f82b-a2f9-4589-92af-3ee33ea07c5f
1063	G2-GUARDRAIL	0	db1a7a55-0c52-47f7-afc8-d35f91b635bf

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**Table: Joint Loads - Force, Part 2 of 2**

Joint	LoadPat	M3 KN-m	GUID
1083	G2-GUARDRAIL	0	d1a25279-c711-40c1-a2a1-6b03c1abfeba
1084	G2-GUARDRAIL	0	2bef1805-75f1-40b2-8c1c-d63f9656b160
1085	G2-GUARDRAIL	0	cb755908-5797-4299-ab51-f650a16e7a47
1086	G2-GUARDRAIL	0	c9b1f231-64ec-442a-a65d-1e880a555e54
1087	G2-GUARDRAIL	0	5bf27152-7d24-4b15-a75f-983643508d60
1088	G2-GUARDRAIL	0	c22d9665-fcd9-4109-b93c-99023b45edb1

**Table: Joint Restraint Assignments**

**Table: Joint Restraint Assignments**

Joint	U1	U2	U3	R1	R2	R3
983	Yes	Yes	Yes	No	No	No
984	Yes	Yes	Yes	No	No	No
985	Yes	Yes	Yes	No	No	No
986	Yes	Yes	Yes	No	No	No
987	Yes	Yes	Yes	No	No	No
988	Yes	Yes	Yes	No	No	No
1008	Yes	Yes	Yes	No	No	No
1009	Yes	Yes	Yes	No	No	No
1010	Yes	Yes	Yes	No	No	No
1011	Yes	Yes	Yes	No	No	No
1012	Yes	Yes	Yes	No	No	No
1013	Yes	Yes	Yes	No	No	No
1033	Yes	Yes	Yes	No	No	No
1034	Yes	Yes	Yes	No	No	No
1035	Yes	Yes	Yes	No	No	No
1036	Yes	Yes	Yes	No	No	No
1037	Yes	Yes	Yes	No	No	No
1038	Yes	Yes	Yes	No	No	No

**Table: Load Pattern Definitions**

**Table: Load Pattern Definitions**

LoadPat	DesignType	SelfWtMult	AutoLoad	GUID	Notes
G1	Dead	1		982c3812-67a5-4d3b-b098-69c71ad9a2b3	
G2-PAVIM	Super Dead	0		6ace74ac-e178-410c-87b1-f728828180ba	
Q5-FOLLA	Live	0		bc148e3d-ca91-4a50-b886-458df3094460	
G2-GUARDRAIL	Super Dead	0		7fa4400a-5741-449a-92cc-0e8299a5752c	
G2-RETE	Super Dead	0		a3a81943-2bcf-49f8-89fc-97b1eb3d6475	

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**Table: Load Pattern Definitions**

LoadPat	DesignType	SelfWtMult	AutoLoad	GUID	Notes
_Q1k-A	Live	0		694fc25f-9b15-40c3-9a5b-a7cc300743fb	
_Q1k-B	Live	0		69eb69c3-8ccc-4b0a-8756-d928f157001a	
_Q1k-C	Live	0		e96c3591-c1f6-495d-a5a8-7dbcb16df942	
_Q1k-D	Live	0		26076c15-ee0c-4672-8c50-38ec0b8965d1	
q1k-A	Live	0		73e73adb-6441-452f-a160-146ee21153e6	
q1k-B	Live	0		cf4ab8e2-9e75-4690-96ba-1e9520ba039f	
q1k-C	Live	0		f369890f-de97-49d7-aca1-ddf0b97e93fb	
q1k-D	Live	0		6a7e5ca1-3447-4db6-a7bf-ed0ed3561606	

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

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

Material	Type	SymType	TempDe-pend	Color	GUID
A992Fy50	Steel	Isotropic	No	Cyan	
B450C	Rebar	Uniaxial	No	Green	
C32/40	Concrete	Isotropic	No	Green	

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

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

Material	Notes
A992Fy50	ASTM A992 Grade 50 30/03/2017 10.40.50
B450C	Italy NTC2008 B450C added 21/03/2017 17.18.44
C32/40	Italy UNI EN 206-1:2006 e UNI 11104:2004 C32/40 added 21/03/2017 17.18.37

**Table: Material Properties 02 - Basic Mechanical Properties**

Table: Material Properties 02 - Basic Mechanical Properties

Material	UnitWeight KN/m3	UnitMass KN-s2/m4	E1 KN/m2	G12 KN/m2	U12	A1 1/C
A992Fy50	76,97286394 22648	7,849047379 95992	199947978,8	76903068,77	0,3	1,169999944 21006E-05
B450C	76,97286394 22648	7,849047379 95992	210000000			1,17E-05
C32/40	24,99261766	2,5485377	33346000	13894166,67	0,2	1E-05

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

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

Material	Fc KN/m2	eFc KN/m2	LtWtConc	SSCurveOpt	SSHysType	SFc	SCap	FinalSlope
C32/40	32000	32000	No	Mander	Takeda	0,001919	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 Degrees	DAngle Degrees
C32/40	0	0

**Table: Material Properties 03e - Rebar Data, Part 1 of 2**

Table: Material Properties 03e - Rebar Data, Part 1 of 2

Material	Fy KN/m2	Fu KN/m2	EffFy KN/m2	EffFu KN/m2	SSCurveOpt	SSHysType	SHard	SCap
B450C	450000	540000	495000	594000	Simple	Kinematic	0,0225	0,675

**Table: Material Properties 03e - Rebar Data, Part 2 of 2**

Table: Material Properties 03e - Rebar Da-  
ta, Part 2 of 2

Material	FinalSlope	UseCTDef
B450C	-0,1	No

**Table: Program Control, Part 1 of 2**

Table: Program Control, Part 1 of 2

Program-Name	Version	ProgLevel	LicenseNum	LicenseOS	LicenseSC	LicenseHT	CurrUnits
SAP2000	18.2.0	Ultimate	3010*18X5E S5DWKWSN A8	Yes	Yes	No	KN, m, C

**Table: Program Control, Part 2 of 2**

Table: Program Control, Part 2 of 2

SteelCode	ConcCode	AlumCode	ColdCode	RegenHinge
AISC 360-10	ACI 318-14	AA-ASD 2000	AISI-ASD96	Yes



## 2.2. Input: schema di carico - bordo soletta

**Table: Active Degrees of Freedom**

Table: Active Degrees of Freedom

UX	UY	UZ	RX	RY	RZ
Yes	Yes	Yes	Yes	Yes	Yes

**Table: Analysis Options**

Table: Analysis Options

Solver	SolverProc	Force32Bit	StiffCase	GeomMod
Advanced	Auto	No	None	None

**Table: Area Loads - Uniform**

Table: Area Loads - Uniform

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
52	Q5-FOLLA	GLOBAL	Gravity	5
53	Q5-FOLLA	GLOBAL	Gravity	5
54	Q5-FOLLA	GLOBAL	Gravity	5
56	Q5-FOLLA	GLOBAL	Gravity	5
78	Q5-FOLLA	GLOBAL	Gravity	5
79	Q5-FOLLA	GLOBAL	Gravity	5
80	Q5-FOLLA	GLOBAL	Gravity	5
82	Q5-FOLLA	GLOBAL	Gravity	5
156	Q5-FOLLA	GLOBAL	Gravity	5
157	Q5-FOLLA	GLOBAL	Gravity	5
158	Q5-FOLLA	GLOBAL	Gravity	5
160	Q5-FOLLA	GLOBAL	Gravity	5
182	Q5-FOLLA	GLOBAL	Gravity	5
183	Q5-FOLLA	GLOBAL	Gravity	5
184	Q5-FOLLA	GLOBAL	Gravity	5
186	Q5-FOLLA	GLOBAL	Gravity	5
234	q1k-A	GLOBAL	Gravity	2,5
234	G2-PAVIM	GLOBAL	Gravity	3
234	q1k-B	GLOBAL	Gravity	2,5
235	q1k-A	GLOBAL	Gravity	2,5
235	G2-PAVIM	GLOBAL	Gravity	3
235	q1k-B	GLOBAL	Gravity	2,5
236	q1k-A	GLOBAL	Gravity	2,5
236	G2-PAVIM	GLOBAL	Gravity	3
236	q1k-B	GLOBAL	Gravity	2,5
238	q1k-A	GLOBAL	Gravity	2,5
238	G2-PAVIM	GLOBAL	Gravity	3
238	q1k-B	GLOBAL	Gravity	2,5
260	q1k-A	GLOBAL	Gravity	2,5
260	G2-PAVIM	GLOBAL	Gravity	3

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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
260	q1k-B	GLOBAL	Gravity	2,5
261	q1k-A	GLOBAL	Gravity	2,5
261	G2-PAVIM	GLOBAL	Gravity	3
261	q1k-B	GLOBAL	Gravity	2,5
262	q1k-A	GLOBAL	Gravity	2,5
262	G2-PAVIM	GLOBAL	Gravity	3
262	q1k-B	GLOBAL	Gravity	2,5
264	q1k-A	GLOBAL	Gravity	2,5
264	G2-PAVIM	GLOBAL	Gravity	3
264	q1k-B	GLOBAL	Gravity	2,5
286	q1k-A	GLOBAL	Gravity	2,5
286	G2-PAVIM	GLOBAL	Gravity	3
286	q1k-B	GLOBAL	Gravity	2,5
287	q1k-A	GLOBAL	Gravity	2,5
287	G2-PAVIM	GLOBAL	Gravity	3
287	q1k-B	GLOBAL	Gravity	2,5
288	q1k-A	GLOBAL	Gravity	2,5
288	G2-PAVIM	GLOBAL	Gravity	3
288	q1k-B	GLOBAL	Gravity	2,5
290	q1k-A	GLOBAL	Gravity	2,5
290	G2-PAVIM	GLOBAL	Gravity	3
290	q1k-B	GLOBAL	Gravity	2,5
312	q1k-A	GLOBAL	Gravity	2,5
312	G2-PAVIM	GLOBAL	Gravity	3
312	q1k-B	GLOBAL	Gravity	2,5
313	q1k-A	GLOBAL	Gravity	2,5
313	G2-PAVIM	GLOBAL	Gravity	3
313	q1k-B	GLOBAL	Gravity	2,5
314	q1k-A	GLOBAL	Gravity	2,5
314	G2-PAVIM	GLOBAL	Gravity	3
314	q1k-B	GLOBAL	Gravity	2,5
316	q1k-A	GLOBAL	Gravity	2,5
316	G2-PAVIM	GLOBAL	Gravity	3
316	q1k-B	GLOBAL	Gravity	2,5
338	q1k-A	GLOBAL	Gravity	2,5
338	G2-PAVIM	GLOBAL	Gravity	3
338	q1k-B	GLOBAL	Gravity	2,5
339	q1k-A	GLOBAL	Gravity	2,5
339	G2-PAVIM	GLOBAL	Gravity	3
339	q1k-B	GLOBAL	Gravity	2,5
340	q1k-A	GLOBAL	Gravity	2,5
340	G2-PAVIM	GLOBAL	Gravity	3
340	q1k-B	GLOBAL	Gravity	2,5
342	q1k-A	GLOBAL	Gravity	2,5
342	G2-PAVIM	GLOBAL	Gravity	3
342	q1k-B	GLOBAL	Gravity	2,5
364	q1k-A	GLOBAL	Gravity	2,5
364	G2-PAVIM	GLOBAL	Gravity	3
364	q1k-B	GLOBAL	Gravity	9
365	q1k-A	GLOBAL	Gravity	2,5
365	G2-PAVIM	GLOBAL	Gravity	3
365	q1k-B	GLOBAL	Gravity	9
365	_Q1k-A	GLOBAL	Gravity	100

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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
365	_Q1k-B	GLOBAL	Gravity	150
366	q1k-A	GLOBAL	Gravity	2,5
366	G2-PAVIM	GLOBAL	Gravity	3
366	q1k-B	GLOBAL	Gravity	9
366	_Q1k-A	GLOBAL	Gravity	100
366	_Q1k-B	GLOBAL	Gravity	150
368	q1k-A	GLOBAL	Gravity	2,5
368	G2-PAVIM	GLOBAL	Gravity	3
368	q1k-B	GLOBAL	Gravity	9
368	_Q1k-A	GLOBAL	Gravity	134
368	_Q1k-B	GLOBAL	Gravity	200
390	q1k-A	GLOBAL	Gravity	2,5
390	G2-PAVIM	GLOBAL	Gravity	3
390	q1k-B	GLOBAL	Gravity	9
391	q1k-A	GLOBAL	Gravity	2,5
391	G2-PAVIM	GLOBAL	Gravity	3
391	q1k-B	GLOBAL	Gravity	9
391	_Q1k-A	GLOBAL	Gravity	100
391	_Q1k-B	GLOBAL	Gravity	150
392	q1k-A	GLOBAL	Gravity	2,5
392	G2-PAVIM	GLOBAL	Gravity	3
392	q1k-B	GLOBAL	Gravity	9
392	_Q1k-A	GLOBAL	Gravity	100
392	_Q1k-B	GLOBAL	Gravity	150
394	q1k-A	GLOBAL	Gravity	2,5
394	G2-PAVIM	GLOBAL	Gravity	3
394	q1k-B	GLOBAL	Gravity	9
394	_Q1k-A	GLOBAL	Gravity	134
394	_Q1k-B	GLOBAL	Gravity	200
442	q1k-A	GLOBAL	Gravity	2,5
442	G2-PAVIM	GLOBAL	Gravity	3
442	q1k-B	GLOBAL	Gravity	9
443	q1k-A	GLOBAL	Gravity	2,5
443	G2-PAVIM	GLOBAL	Gravity	3
443	q1k-B	GLOBAL	Gravity	9
444	q1k-A	GLOBAL	Gravity	2,5
444	G2-PAVIM	GLOBAL	Gravity	3
444	q1k-B	GLOBAL	Gravity	9
446	q1k-A	GLOBAL	Gravity	2,5
446	G2-PAVIM	GLOBAL	Gravity	3
446	q1k-B	GLOBAL	Gravity	9
494	q1k-A	GLOBAL	Gravity	2,5
494	G2-PAVIM	GLOBAL	Gravity	3
494	q1k-B	GLOBAL	Gravity	9
494	q1k-C	GLOBAL	Gravity	9
495	q1k-A	GLOBAL	Gravity	2,5
495	G2-PAVIM	GLOBAL	Gravity	3
495	q1k-B	GLOBAL	Gravity	9
495	q1k-C	GLOBAL	Gravity	9
495	_Q1k-A	GLOBAL	Gravity	100
495	_Q1k-B	GLOBAL	Gravity	150
495	_Q1k-C	GLOBAL	Gravity	150
496	q1k-A	GLOBAL	Gravity	2,5

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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
496	G2-PAVIM	GLOBAL	Gravity	3
496	q1k-B	GLOBAL	Gravity	9
496	q1k-C	GLOBAL	Gravity	9
496	_Q1k-A	GLOBAL	Gravity	100
496	_Q1k-B	GLOBAL	Gravity	150
496	_Q1k-C	GLOBAL	Gravity	150
498	q1k-A	GLOBAL	Gravity	2,5
498	G2-PAVIM	GLOBAL	Gravity	3
498	q1k-B	GLOBAL	Gravity	9
498	q1k-C	GLOBAL	Gravity	9
498	_Q1k-A	GLOBAL	Gravity	134
498	_Q1k-B	GLOBAL	Gravity	200
498	_Q1k-C	GLOBAL	Gravity	200
520	q1k-A	GLOBAL	Gravity	2,5
520	G2-PAVIM	GLOBAL	Gravity	3
520	q1k-B	GLOBAL	Gravity	9
520	q1k-D	GLOBAL	Gravity	9
520	q1k-C	GLOBAL	Gravity	9
521	q1k-A	GLOBAL	Gravity	2,5
521	G2-PAVIM	GLOBAL	Gravity	3
521	q1k-B	GLOBAL	Gravity	9
521	q1k-D	GLOBAL	Gravity	9
521	q1k-C	GLOBAL	Gravity	9
521	_Q1k-A	GLOBAL	Gravity	100
521	_Q1k-B	GLOBAL	Gravity	150
521	_Q1k-C	GLOBAL	Gravity	150
521	_Q1k-D	GLOBAL	Gravity	150
522	q1k-A	GLOBAL	Gravity	2,5
522	G2-PAVIM	GLOBAL	Gravity	3
522	q1k-B	GLOBAL	Gravity	9
522	q1k-D	GLOBAL	Gravity	9
522	q1k-C	GLOBAL	Gravity	9
522	_Q1k-A	GLOBAL	Gravity	100
522	_Q1k-B	GLOBAL	Gravity	150
522	_Q1k-C	GLOBAL	Gravity	150
522	_Q1k-D	GLOBAL	Gravity	150
524	q1k-A	GLOBAL	Gravity	2,5
524	G2-PAVIM	GLOBAL	Gravity	3
524	q1k-B	GLOBAL	Gravity	9
524	q1k-D	GLOBAL	Gravity	9
524	q1k-C	GLOBAL	Gravity	9
524	_Q1k-A	GLOBAL	Gravity	134
524	_Q1k-B	GLOBAL	Gravity	200
524	_Q1k-C	GLOBAL	Gravity	200
524	_Q1k-D	GLOBAL	Gravity	200
546	q1k-A	GLOBAL	Gravity	9
546	G2-PAVIM	GLOBAL	Gravity	3
546	q1k-B	GLOBAL	Gravity	2,5
546	q1k-D	GLOBAL	Gravity	9
546	q1k-C	GLOBAL	Gravity	9
547	q1k-A	GLOBAL	Gravity	9
547	G2-PAVIM	GLOBAL	Gravity	3
547	q1k-B	GLOBAL	Gravity	2,5

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
547	q1k-D	GLOBAL	Gravity	9
547	q1k-C	GLOBAL	Gravity	9
547	_Q1k-A	GLOBAL	Gravity	150
547	_Q1k-B	GLOBAL	Gravity	100
547	_Q1k-D	GLOBAL	Gravity	150
548	q1k-A	GLOBAL	Gravity	9
548	G2-PAVIM	GLOBAL	Gravity	3
548	q1k-B	GLOBAL	Gravity	2,5
548	q1k-D	GLOBAL	Gravity	9
548	q1k-C	GLOBAL	Gravity	9
548	_Q1k-A	GLOBAL	Gravity	150
548	_Q1k-B	GLOBAL	Gravity	100
548	_Q1k-D	GLOBAL	Gravity	150
550	q1k-A	GLOBAL	Gravity	9
550	G2-PAVIM	GLOBAL	Gravity	3
550	q1k-B	GLOBAL	Gravity	2,5
550	q1k-D	GLOBAL	Gravity	9
550	q1k-C	GLOBAL	Gravity	9
550	_Q1k-A	GLOBAL	Gravity	200
550	_Q1k-B	GLOBAL	Gravity	134
550	_Q1k-D	GLOBAL	Gravity	200
572	q1k-A	GLOBAL	Gravity	9
572	G2-PAVIM	GLOBAL	Gravity	3
572	q1k-B	GLOBAL	Gravity	2,5
572	q1k-D	GLOBAL	Gravity	9
572	q1k-C	GLOBAL	Gravity	9
573	q1k-A	GLOBAL	Gravity	9
573	G2-PAVIM	GLOBAL	Gravity	3
573	q1k-B	GLOBAL	Gravity	2,5
573	q1k-D	GLOBAL	Gravity	9
573	q1k-C	GLOBAL	Gravity	9
573	_Q1k-A	GLOBAL	Gravity	150
573	_Q1k-B	GLOBAL	Gravity	100
574	q1k-A	GLOBAL	Gravity	9
574	G2-PAVIM	GLOBAL	Gravity	3
574	q1k-B	GLOBAL	Gravity	2,5
574	q1k-D	GLOBAL	Gravity	9
574	q1k-C	GLOBAL	Gravity	9
574	_Q1k-A	GLOBAL	Gravity	150
574	_Q1k-B	GLOBAL	Gravity	100
576	q1k-A	GLOBAL	Gravity	9
576	G2-PAVIM	GLOBAL	Gravity	3
576	q1k-B	GLOBAL	Gravity	2,5
576	q1k-D	GLOBAL	Gravity	9
576	q1k-C	GLOBAL	Gravity	9
576	_Q1k-A	GLOBAL	Gravity	200
576	_Q1k-B	GLOBAL	Gravity	134
598	q1k-A	GLOBAL	Gravity	9
598	G2-PAVIM	GLOBAL	Gravity	3
598	q1k-B	GLOBAL	Gravity	2,5
598	q1k-D	GLOBAL	Gravity	9
598	q1k-C	GLOBAL	Gravity	9
599	q1k-A	GLOBAL	Gravity	9

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
599	G2-PAVIM	GLOBAL	Gravity	3
599	q1k-B	GLOBAL	Gravity	2,5
599	q1k-D	GLOBAL	Gravity	9
599	q1k-C	GLOBAL	Gravity	9
599	_Q1k-C	GLOBAL	Gravity	150
600	q1k-A	GLOBAL	Gravity	9
600	G2-PAVIM	GLOBAL	Gravity	3
600	q1k-B	GLOBAL	Gravity	2,5
600	q1k-D	GLOBAL	Gravity	9
600	q1k-C	GLOBAL	Gravity	9
600	_Q1k-C	GLOBAL	Gravity	150
602	q1k-A	GLOBAL	Gravity	9
602	G2-PAVIM	GLOBAL	Gravity	3
602	q1k-B	GLOBAL	Gravity	2,5
602	q1k-D	GLOBAL	Gravity	9
602	q1k-C	GLOBAL	Gravity	9
602	_Q1k-C	GLOBAL	Gravity	200
624	q1k-A	GLOBAL	Gravity	9
624	G2-PAVIM	GLOBAL	Gravity	3
624	q1k-B	GLOBAL	Gravity	2,5
624	q1k-D	GLOBAL	Gravity	9
624	q1k-C	GLOBAL	Gravity	9
625	q1k-A	GLOBAL	Gravity	9
625	G2-PAVIM	GLOBAL	Gravity	3
625	q1k-B	GLOBAL	Gravity	2,5
625	q1k-D	GLOBAL	Gravity	9
625	q1k-C	GLOBAL	Gravity	9
625	_Q1k-C	GLOBAL	Gravity	150
625	_Q1k-D	GLOBAL	Gravity	150
626	q1k-A	GLOBAL	Gravity	9
626	G2-PAVIM	GLOBAL	Gravity	3
626	q1k-B	GLOBAL	Gravity	2,5
626	q1k-D	GLOBAL	Gravity	9
626	q1k-C	GLOBAL	Gravity	9
626	_Q1k-C	GLOBAL	Gravity	150
626	_Q1k-D	GLOBAL	Gravity	150
628	q1k-A	GLOBAL	Gravity	9
628	G2-PAVIM	GLOBAL	Gravity	3
628	q1k-B	GLOBAL	Gravity	2,5
628	q1k-D	GLOBAL	Gravity	9
628	q1k-C	GLOBAL	Gravity	9
628	_Q1k-C	GLOBAL	Gravity	200
628	_Q1k-D	GLOBAL	Gravity	200
650	q1k-A	GLOBAL	Gravity	9
650	G2-PAVIM	GLOBAL	Gravity	3
650	q1k-B	GLOBAL	Gravity	2,5
650	q1k-D	GLOBAL	Gravity	9
651	q1k-A	GLOBAL	Gravity	9
651	G2-PAVIM	GLOBAL	Gravity	3
651	q1k-B	GLOBAL	Gravity	2,5
651	q1k-D	GLOBAL	Gravity	9
651	_Q1k-A	GLOBAL	Gravity	150
651	_Q1k-B	GLOBAL	Gravity	100

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell’Astico

**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
651	_Q1k-D	GLOBAL	Gravity	150
652	q1k-A	GLOBAL	Gravity	9
652	G2-PAVIM	GLOBAL	Gravity	3
652	q1k-B	GLOBAL	Gravity	2,5
652	q1k-D	GLOBAL	Gravity	9
652	_Q1k-A	GLOBAL	Gravity	150
652	_Q1k-B	GLOBAL	Gravity	100
652	_Q1k-D	GLOBAL	Gravity	150
654	q1k-A	GLOBAL	Gravity	9
654	G2-PAVIM	GLOBAL	Gravity	3
654	q1k-B	GLOBAL	Gravity	2,5
654	q1k-D	GLOBAL	Gravity	9
654	_Q1k-A	GLOBAL	Gravity	200
654	_Q1k-B	GLOBAL	Gravity	134
654	_Q1k-D	GLOBAL	Gravity	200
676	q1k-A	GLOBAL	Gravity	9
676	G2-PAVIM	GLOBAL	Gravity	3
676	q1k-B	GLOBAL	Gravity	2,5
677	q1k-A	GLOBAL	Gravity	9
677	G2-PAVIM	GLOBAL	Gravity	3
677	q1k-B	GLOBAL	Gravity	2,5
677	_Q1k-A	GLOBAL	Gravity	150
677	_Q1k-B	GLOBAL	Gravity	100
678	q1k-A	GLOBAL	Gravity	9
678	G2-PAVIM	GLOBAL	Gravity	3
678	q1k-B	GLOBAL	Gravity	2,5
678	_Q1k-A	GLOBAL	Gravity	150
678	_Q1k-B	GLOBAL	Gravity	100
680	q1k-A	GLOBAL	Gravity	9
680	G2-PAVIM	GLOBAL	Gravity	3
680	q1k-B	GLOBAL	Gravity	2,5
680	_Q1k-A	GLOBAL	Gravity	200
680	_Q1k-B	GLOBAL	Gravity	134
702	q1k-A	GLOBAL	Gravity	9
702	G2-PAVIM	GLOBAL	Gravity	3
702	q1k-B	GLOBAL	Gravity	2,5
703	q1k-A	GLOBAL	Gravity	9
703	G2-PAVIM	GLOBAL	Gravity	3
703	q1k-B	GLOBAL	Gravity	2,5
703	_Q1k-A	GLOBAL	Gravity	150
703	_Q1k-B	GLOBAL	Gravity	100
704	q1k-A	GLOBAL	Gravity	9
704	G2-PAVIM	GLOBAL	Gravity	3
704	q1k-B	GLOBAL	Gravity	2,5
704	_Q1k-A	GLOBAL	Gravity	150
704	_Q1k-B	GLOBAL	Gravity	100
706	q1k-A	GLOBAL	Gravity	9
706	G2-PAVIM	GLOBAL	Gravity	3
706	q1k-B	GLOBAL	Gravity	2,5
706	_Q1k-A	GLOBAL	Gravity	200
706	_Q1k-B	GLOBAL	Gravity	134
905	q1k-A	GLOBAL	Gravity	2,5
905	G2-PAVIM	GLOBAL	Gravity	3

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
905	q1k-B	GLOBAL	Gravity	9
906	q1k-A	GLOBAL	Gravity	2,5
906	G2-PAVIM	GLOBAL	Gravity	3
906	q1k-B	GLOBAL	Gravity	9
906	q1k-C	GLOBAL	Gravity	9
907	q1k-A	GLOBAL	Gravity	2,5
907	G2-PAVIM	GLOBAL	Gravity	3
907	q1k-B	GLOBAL	Gravity	9
908	q1k-A	GLOBAL	Gravity	2,5
908	G2-PAVIM	GLOBAL	Gravity	3
908	q1k-B	GLOBAL	Gravity	9
908	q1k-C	GLOBAL	Gravity	9
908	_Q1k-A	GLOBAL	Gravity	100
908	_Q1k-B	GLOBAL	Gravity	150
908	_Q1k-C	GLOBAL	Gravity	150
909	q1k-A	GLOBAL	Gravity	2,5
909	G2-PAVIM	GLOBAL	Gravity	3
909	q1k-B	GLOBAL	Gravity	9
910	q1k-A	GLOBAL	Gravity	2,5
910	G2-PAVIM	GLOBAL	Gravity	3
910	q1k-B	GLOBAL	Gravity	9
910	q1k-C	GLOBAL	Gravity	9
910	_Q1k-A	GLOBAL	Gravity	100
910	_Q1k-B	GLOBAL	Gravity	150
910	_Q1k-C	GLOBAL	Gravity	150
913	q1k-A	GLOBAL	Gravity	2,5
913	G2-PAVIM	GLOBAL	Gravity	3
913	q1k-B	GLOBAL	Gravity	9
914	q1k-A	GLOBAL	Gravity	2,5
914	G2-PAVIM	GLOBAL	Gravity	3
914	q1k-B	GLOBAL	Gravity	9
914	q1k-C	GLOBAL	Gravity	9
914	_Q1k-A	GLOBAL	Gravity	134
914	_Q1k-B	GLOBAL	Gravity	200
914	_Q1k-C	GLOBAL	Gravity	200
981	q1k-A	GLOBAL	Gravity	2,5
981	G2-PAVIM	GLOBAL	Gravity	3
981	q1k-B	GLOBAL	Gravity	9
982	q1k-A	GLOBAL	Gravity	2,5
982	G2-PAVIM	GLOBAL	Gravity	3
982	q1k-B	GLOBAL	Gravity	9
983	q1k-A	GLOBAL	Gravity	2,5
983	G2-PAVIM	GLOBAL	Gravity	3
983	q1k-B	GLOBAL	Gravity	9
984	q1k-A	GLOBAL	Gravity	2,5
984	G2-PAVIM	GLOBAL	Gravity	3
984	q1k-B	GLOBAL	Gravity	9
984	_Q1k-A	GLOBAL	Gravity	100
984	_Q1k-B	GLOBAL	Gravity	150
985	q1k-A	GLOBAL	Gravity	2,5
985	G2-PAVIM	GLOBAL	Gravity	3
985	q1k-B	GLOBAL	Gravity	9
986	q1k-A	GLOBAL	Gravity	2,5



AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
986	G2-PAVIM	GLOBAL	Gravity	3
986	q1k-B	GLOBAL	Gravity	9
987	q1k-A	GLOBAL	Gravity	2,5
987	G2-PAVIM	GLOBAL	Gravity	3
987	q1k-B	GLOBAL	Gravity	9
987	_Q1k-A	GLOBAL	Gravity	100
987	_Q1k-B	GLOBAL	Gravity	150
988	q1k-A	GLOBAL	Gravity	2,5
988	G2-PAVIM	GLOBAL	Gravity	3
988	q1k-B	GLOBAL	Gravity	9
989	q1k-A	GLOBAL	Gravity	2,5
989	G2-PAVIM	GLOBAL	Gravity	3
989	q1k-B	GLOBAL	Gravity	9
993	q1k-A	GLOBAL	Gravity	2,5
993	G2-PAVIM	GLOBAL	Gravity	3
993	q1k-B	GLOBAL	Gravity	9
993	_Q1k-A	GLOBAL	Gravity	134
993	_Q1k-B	GLOBAL	Gravity	200
994	q1k-A	GLOBAL	Gravity	2,5
994	G2-PAVIM	GLOBAL	Gravity	3
994	q1k-B	GLOBAL	Gravity	9
995	q1k-A	GLOBAL	Gravity	2,5
995	G2-PAVIM	GLOBAL	Gravity	3
995	q1k-B	GLOBAL	Gravity	9
3	Q5-FOLLA	GLOBAL	Gravity	5
4	Q5-FOLLA	GLOBAL	Gravity	5
18	Q5-FOLLA	GLOBAL	Gravity	5
19	Q5-FOLLA	GLOBAL	Gravity	5
46	Q5-FOLLA	GLOBAL	Gravity	5
55	Q5-FOLLA	GLOBAL	Gravity	5
70	Q5-FOLLA	GLOBAL	Gravity	5
71	Q5-FOLLA	GLOBAL	Gravity	5
96	q1k-A	GLOBAL	Gravity	2,5
96	G2-PAVIM	GLOBAL	Gravity	3
96	q1k-B	GLOBAL	Gravity	2,5
97	q1k-A	GLOBAL	Gravity	2,5
97	G2-PAVIM	GLOBAL	Gravity	3
97	q1k-B	GLOBAL	Gravity	2,5
98	q1k-A	GLOBAL	Gravity	2,5
98	G2-PAVIM	GLOBAL	Gravity	3
98	q1k-B	GLOBAL	Gravity	2,5
107	q1k-A	GLOBAL	Gravity	2,5
107	G2-PAVIM	GLOBAL	Gravity	3
107	q1k-B	GLOBAL	Gravity	2,5
122	q1k-A	GLOBAL	Gravity	2,5
122	G2-PAVIM	GLOBAL	Gravity	3
122	q1k-B	GLOBAL	Gravity	2,5
123	q1k-A	GLOBAL	Gravity	2,5
123	G2-PAVIM	GLOBAL	Gravity	3
123	q1k-B	GLOBAL	Gravity	2,5
124	q1k-A	GLOBAL	Gravity	2,5
124	G2-PAVIM	GLOBAL	Gravity	3
124	q1k-B	GLOBAL	Gravity	2,5

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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
133	q1k-A	GLOBAL	Gravity	2,5
133	G2-PAVIM	GLOBAL	Gravity	3
133	q1k-B	GLOBAL	Gravity	2,5
148	q1k-A	GLOBAL	Gravity	2,5
148	G2-PAVIM	GLOBAL	Gravity	3
148	q1k-B	GLOBAL	Gravity	2,5
149	q1k-A	GLOBAL	Gravity	2,5
149	G2-PAVIM	GLOBAL	Gravity	3
149	q1k-B	GLOBAL	Gravity	2,5
150	q1k-A	GLOBAL	Gravity	2,5
150	G2-PAVIM	GLOBAL	Gravity	3
150	q1k-B	GLOBAL	Gravity	9
159	q1k-A	GLOBAL	Gravity	2,5
159	G2-PAVIM	GLOBAL	Gravity	3
159	q1k-B	GLOBAL	Gravity	9
159	_Q1k-A	GLOBAL	Gravity	134
159	_Q1k-B	GLOBAL	Gravity	200
174	q1k-A	GLOBAL	Gravity	2,5
174	G2-PAVIM	GLOBAL	Gravity	3
174	q1k-B	GLOBAL	Gravity	9
175	q1k-A	GLOBAL	Gravity	2,5
175	G2-PAVIM	GLOBAL	Gravity	3
175	q1k-B	GLOBAL	Gravity	9
175	_Q1k-A	GLOBAL	Gravity	134
175	_Q1k-B	GLOBAL	Gravity	200
176	q1k-A	GLOBAL	Gravity	2,5
176	G2-PAVIM	GLOBAL	Gravity	3
176	q1k-B	GLOBAL	Gravity	9
185	q1k-A	GLOBAL	Gravity	2,5
185	G2-PAVIM	GLOBAL	Gravity	3
185	q1k-B	GLOBAL	Gravity	9
200	q1k-A	GLOBAL	Gravity	2,5
200	G2-PAVIM	GLOBAL	Gravity	3
200	q1k-B	GLOBAL	Gravity	9
200	q1k-C	GLOBAL	Gravity	9
201	q1k-A	GLOBAL	Gravity	2,5
201	G2-PAVIM	GLOBAL	Gravity	3
201	q1k-B	GLOBAL	Gravity	9
201	q1k-C	GLOBAL	Gravity	9
201	_Q1k-A	GLOBAL	Gravity	134
201	_Q1k-B	GLOBAL	Gravity	200
201	_Q1k-C	GLOBAL	Gravity	200
202	q1k-A	GLOBAL	Gravity	2,5
202	G2-PAVIM	GLOBAL	Gravity	3
202	q1k-B	GLOBAL	Gravity	9
202	q1k-D	GLOBAL	Gravity	9
202	q1k-C	GLOBAL	Gravity	9
211	q1k-A	GLOBAL	Gravity	2,5
211	G2-PAVIM	GLOBAL	Gravity	3
211	q1k-B	GLOBAL	Gravity	9
211	q1k-D	GLOBAL	Gravity	9
211	q1k-C	GLOBAL	Gravity	9
211	_Q1k-A	GLOBAL	Gravity	134

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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
211	_Q1k-B	GLOBAL	Gravity	200
211	_Q1k-C	GLOBAL	Gravity	200
211	_Q1k-D	GLOBAL	Gravity	200
226	q1k-A	GLOBAL	Gravity	9
226	G2-PAVIM	GLOBAL	Gravity	3
226	q1k-B	GLOBAL	Gravity	2,5
226	q1k-D	GLOBAL	Gravity	9
226	q1k-C	GLOBAL	Gravity	9
227	q1k-A	GLOBAL	Gravity	9
227	G2-PAVIM	GLOBAL	Gravity	3
227	q1k-B	GLOBAL	Gravity	2,5
227	q1k-D	GLOBAL	Gravity	9
227	q1k-C	GLOBAL	Gravity	9
227	_Q1k-A	GLOBAL	Gravity	200
227	_Q1k-B	GLOBAL	Gravity	134
227	_Q1k-D	GLOBAL	Gravity	200
228	q1k-A	GLOBAL	Gravity	9
228	G2-PAVIM	GLOBAL	Gravity	3
228	q1k-B	GLOBAL	Gravity	2,5
228	q1k-D	GLOBAL	Gravity	9
228	q1k-C	GLOBAL	Gravity	9
237	q1k-A	GLOBAL	Gravity	9
237	G2-PAVIM	GLOBAL	Gravity	3
237	q1k-B	GLOBAL	Gravity	2,5
237	q1k-D	GLOBAL	Gravity	9
237	q1k-C	GLOBAL	Gravity	9
237	_Q1k-A	GLOBAL	Gravity	200
237	_Q1k-B	GLOBAL	Gravity	134
252	q1k-A	GLOBAL	Gravity	9
252	G2-PAVIM	GLOBAL	Gravity	3
252	q1k-B	GLOBAL	Gravity	2,5
252	q1k-D	GLOBAL	Gravity	9
252	q1k-C	GLOBAL	Gravity	9
253	q1k-A	GLOBAL	Gravity	9
253	G2-PAVIM	GLOBAL	Gravity	3
253	q1k-B	GLOBAL	Gravity	2,5
253	q1k-D	GLOBAL	Gravity	9
253	q1k-C	GLOBAL	Gravity	9
253	_Q1k-C	GLOBAL	Gravity	200
254	q1k-A	GLOBAL	Gravity	9
254	G2-PAVIM	GLOBAL	Gravity	3
254	q1k-B	GLOBAL	Gravity	2,5
254	q1k-D	GLOBAL	Gravity	9
254	q1k-C	GLOBAL	Gravity	9
263	q1k-A	GLOBAL	Gravity	9
263	G2-PAVIM	GLOBAL	Gravity	3
263	q1k-B	GLOBAL	Gravity	2,5
263	q1k-D	GLOBAL	Gravity	9
263	q1k-C	GLOBAL	Gravity	9
263	_Q1k-C	GLOBAL	Gravity	200
263	_Q1k-D	GLOBAL	Gravity	200
278	q1k-A	GLOBAL	Gravity	9
278	G2-PAVIM	GLOBAL	Gravity	3

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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
278	q1k-B	GLOBAL	Gravity	2,5
278	q1k-D	GLOBAL	Gravity	9
279	q1k-A	GLOBAL	Gravity	9
279	G2-PAVIM	GLOBAL	Gravity	3
279	q1k-B	GLOBAL	Gravity	2,5
279	q1k-D	GLOBAL	Gravity	9
279	_Q1k-A	GLOBAL	Gravity	200
279	_Q1k-B	GLOBAL	Gravity	134
279	_Q1k-D	GLOBAL	Gravity	200
280	q1k-A	GLOBAL	Gravity	9
280	G2-PAVIM	GLOBAL	Gravity	3
280	q1k-B	GLOBAL	Gravity	2,5
289	q1k-A	GLOBAL	Gravity	9
289	G2-PAVIM	GLOBAL	Gravity	3
289	q1k-B	GLOBAL	Gravity	2,5
289	_Q1k-A	GLOBAL	Gravity	200
289	_Q1k-B	GLOBAL	Gravity	134
304	q1k-A	GLOBAL	Gravity	9
304	G2-PAVIM	GLOBAL	Gravity	3
304	q1k-B	GLOBAL	Gravity	2,5
305	q1k-A	GLOBAL	Gravity	9
305	G2-PAVIM	GLOBAL	Gravity	3
305	q1k-B	GLOBAL	Gravity	2,5
305	_Q1k-A	GLOBAL	Gravity	200
305	_Q1k-B	GLOBAL	Gravity	134
306	q1k-A	GLOBAL	Gravity	2,5
306	G2-PAVIM	GLOBAL	Gravity	3
306	q1k-B	GLOBAL	Gravity	9
315	q1k-A	GLOBAL	Gravity	2,5
315	G2-PAVIM	GLOBAL	Gravity	3
315	q1k-B	GLOBAL	Gravity	9
330	q1k-A	GLOBAL	Gravity	2,5
330	G2-PAVIM	GLOBAL	Gravity	3
330	q1k-B	GLOBAL	Gravity	9
330	q1k-C	GLOBAL	Gravity	9
331	q1k-A	GLOBAL	Gravity	2,5
331	G2-PAVIM	GLOBAL	Gravity	3
331	q1k-B	GLOBAL	Gravity	9
331	q1k-C	GLOBAL	Gravity	9
331	_Q1k-A	GLOBAL	Gravity	134
331	_Q1k-B	GLOBAL	Gravity	200
331	_Q1k-C	GLOBAL	Gravity	200
332	q1k-A	GLOBAL	Gravity	2,5
332	G2-PAVIM	GLOBAL	Gravity	3
332	q1k-B	GLOBAL	Gravity	9
341	q1k-A	GLOBAL	Gravity	2,5
341	G2-PAVIM	GLOBAL	Gravity	3
341	q1k-B	GLOBAL	Gravity	9
341	_Q1k-A	GLOBAL	Gravity	134
341	_Q1k-B	GLOBAL	Gravity	200
356	q1k-A	GLOBAL	Gravity	2,5
356	G2-PAVIM	GLOBAL	Gravity	3
356	q1k-B	GLOBAL	Gravity	9

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Area Loads - Uniform**

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
357	q1k-A	GLOBAL	Gravity	2,5
357	G2-PAVIM	GLOBAL	Gravity	3
357	q1k-B	GLOBAL	Gravity	9
358	q1k-A	GLOBAL	Gravity	2,5
358	G2-PAVIM	GLOBAL	Gravity	3
358	q1k-B	GLOBAL	Gravity	9
367	q1k-A	GLOBAL	Gravity	2,5
367	G2-PAVIM	GLOBAL	Gravity	3
367	q1k-B	GLOBAL	Gravity	9

**Table: Area Section Assignments**

**Table: Area Section Assignments**

Area	Section	MatProp
1	MARCIAPIEDI	Default
2	MARCIAPIEDI	Default
3	MARCIAPIEDI	Default
4	MARCIAPIEDI	Default
18	MARCIAPIEDI	Default
19	MARCIAPIEDI	Default
20	MARCIAPIEDI	Default
26	MARCIAPIEDI	Default
27	MARCIAPIEDI	Default
28	MARCIAPIEDI	Default
29	MARCIAPIEDI	Default
30	MARCIAPIEDI	Default
44	MARCIAPIEDI	Default
45	MARCIAPIEDI	Default
46	MARCIAPIEDI	Default
52	MARCIAPIEDI	Default
53	MARCIAPIEDI	Default
54	MARCIAPIEDI	Default
55	MARCIAPIEDI	Default
56	MARCIAPIEDI	Default
70	MARCIAPIEDI	Default
71	MARCIAPIEDI	Default
72	MARCIAPIEDI	Default
78	MARCIAPIEDI	Default
79	MARCIAPIEDI	Default
80	MARCIAPIEDI	Default
81	MARCIAPIEDI	Default
82	MARCIAPIEDI	Default
96	SOLETTA	Default
97	SOLETTA	Default
98	SOLETTA	Default
104	MARCIAPIEDI	Default
105	MARCIAPIEDI	Default
106	MARCIAPIEDI	Default
107	SOLETTA	Default
108	MARCIAPIEDI	Default
122	SOLETTA	Default

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**Table: Area Section Assignments**

Area	Section	MatProp
123	SOLETTA	Default
124	SOLETTA	Default
130	MARCIAPIEDI	Default
131	MARCIAPIEDI	Default
132	MARCIAPIEDI	Default
133	SOLETTA	Default
134	MARCIAPIEDI	Default
148	SOLETTA	Default
149	SOLETTA	Default
150	SOLETTA	Default
156	MARCIAPIEDI	Default
157	MARCIAPIEDI	Default
158	MARCIAPIEDI	Default
159	SOLETTA	Default
160	MARCIAPIEDI	Default
174	SOLETTA	Default
175	SOLETTA	Default
176	SOLETTA	Default
182	MARCIAPIEDI	Default
183	MARCIAPIEDI	Default
184	MARCIAPIEDI	Default
185	SOLETTA	Default
186	MARCIAPIEDI	Default
200	SOLETTA	Default
201	SOLETTA	Default
202	SOLETTA	Default
208	MARCIAPIEDI	Default
209	MARCIAPIEDI	Default
210	MARCIAPIEDI	Default
211	SOLETTA	Default
212	MARCIAPIEDI	Default
226	SOLETTA	Default
227	SOLETTA	Default
228	SOLETTA	Default
234	SOLETTA	Default
235	SOLETTA	Default
236	SOLETTA	Default
237	SOLETTA	Default
238	SOLETTA	Default
252	SOLETTA	Default
253	SOLETTA	Default
254	SOLETTA	Default
260	SOLETTA	Default
261	SOLETTA	Default
262	SOLETTA	Default
263	SOLETTA	Default
264	SOLETTA	Default
278	SOLETTA	Default
279	SOLETTA	Default
280	SOLETTA	Default
286	SOLETTA	Default
287	SOLETTA	Default
288	SOLETTA	Default

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**Table: Area Section Assignments**

Area	Section	MatProp
289	SOLETTA	Default
290	SOLETTA	Default
304	SOLETTA	Default
305	SOLETTA	Default
306	SOLETTA	Default
312	SOLETTA	Default
313	SOLETTA	Default
314	SOLETTA	Default
315	SOLETTA	Default
316	SOLETTA	Default
330	SOLETTA	Default
331	SOLETTA	Default
332	SOLETTA	Default
338	SOLETTA	Default
339	SOLETTA	Default
340	SOLETTA	Default
341	SOLETTA	Default
342	SOLETTA	Default
356	SOLETTA	Default
357	SOLETTA	Default
358	SOLETTA	Default
364	SOLETTA	Default
365	SOLETTA	Default
366	SOLETTA	Default
367	SOLETTA	Default
368	SOLETTA	Default
390	SOLETTA	Default
391	SOLETTA	Default
392	SOLETTA	Default
394	SOLETTA	Default
442	SOLETTA	Default
443	SOLETTA	Default
444	SOLETTA	Default
446	SOLETTA	Default
494	SOLETTA	Default
495	SOLETTA	Default
496	SOLETTA	Default
498	SOLETTA	Default
520	SOLETTA	Default
521	SOLETTA	Default
522	SOLETTA	Default
524	SOLETTA	Default
546	SOLETTA	Default
547	SOLETTA	Default
548	SOLETTA	Default
550	SOLETTA	Default
572	SOLETTA	Default
573	SOLETTA	Default
574	SOLETTA	Default
576	SOLETTA	Default
598	SOLETTA	Default
599	SOLETTA	Default
600	SOLETTA	Default

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**Table: Area Section Assignments**

Area	Section	MatProp
602	SOLETTA	Default
624	SOLETTA	Default
625	SOLETTA	Default
626	SOLETTA	Default
628	SOLETTA	Default
650	SOLETTA	Default
651	SOLETTA	Default
652	SOLETTA	Default
654	SOLETTA	Default
676	SOLETTA	Default
677	SOLETTA	Default
678	SOLETTA	Default
680	SOLETTA	Default
702	SOLETTA	Default
703	SOLETTA	Default
704	SOLETTA	Default
706	SOLETTA	Default
905	SOLETTA	Default
906	SOLETTA	Default
907	SOLETTA	Default
908	SOLETTA	Default
909	SOLETTA	Default
910	SOLETTA	Default
913	SOLETTA	Default
914	SOLETTA	Default
981	SOLETTA	Default
982	SOLETTA	Default
983	SOLETTA	Default
984	SOLETTA	Default
985	SOLETTA	Default
986	SOLETTA	Default
987	SOLETTA	Default
988	SOLETTA	Default
989	SOLETTA	Default
993	SOLETTA	Default
994	SOLETTA	Default
995	SOLETTA	Default

**Table: Area Section Properties, Part 1 of 4**

**Table: Area Section Properties, Part 1 of 4**

Section	Material	MatAngle Degrees	AreaType	Type	DrillDOF	Thickness m	BendThick m	Arc Degrees
MARCIAPIEDI	C32/40	0	Shell	Shell-Thin	Yes	0,45	0,45	
SOLETTA	C32/40	0	Shell	Shell-Thin	Yes	0,31	0,31	



**Table: Area Section Properties, Part 2 of 4**

Table: Area Section Properties, Part 2 of 4

Section	InComp	CoordSys	Color	TotalWt KN	TotalMass KN-s2/m	F11Mod	F22Mod
MARCIA-PIEDI			Magenta	584,827	59,64	1	1
SOLETTA			Green	856,128	87,3	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
MARCIAPIEDI	1	1	1	1	1	1	1	1
SOLETTA	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
MARCIA-PIEDI		Added 21/03/2017 17.19.17
SOLETTA		

**Table: Case - Static 1 - Load Assignments**

Table: Case - Static 1 - Load Assignments

Case	LoadType	LoadName	LoadSF
G1	Load pattern	G1	1
G2-PAVIM	Load pattern	G2-PAVIM	1
Q5-FOLLA	Load pattern	Q5-FOLLA	1
G2-GUARDRAIL	Load pattern	G2-GUARDRAIL	1
G2-RETE	Load pattern	G2-RETE	1
q1k-A	Load pattern	q1k-A	1
_Q1k-A	Load pattern	_Q1k-A	1
_Q1k-B	Load pattern	_Q1k-B	1
q1k-B	Load pattern	q1k-B	1
q1k-C	Load pattern	q1k-C	1
_Q1k-C	Load pattern	_Q1k-C	1
_Q1k-D	Load pattern	_Q1k-D	1
q1k-D	Load pattern	q1k-D	1

**Table: Combination Definitions, Part 1 of 3**

Table: Combination Definitions, Part 1 of 3

ComboName	ComboType	AutoDesign	CaseType	CaseName	ScaleFactor	SteelDesign
SLU-A	Linear Add	No	Linear Static	G1	1,35	None
SLU-A			Linear Static	G2-RETE	1,5	
SLU-A			Linear Static	G2-GUARDRAIL	1,5	

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**Table: Combination Definitions, Part 1 of 3**

ComboName	ComboType	AutoDesign	CaseType	CaseName	ScaleFactor	SteelDesign
SLU-A			Linear Static	G2-PAVIM	1,5	
SLU-A			Linear Static	q1k-A	1,35	
SLU-A			Linear Static	_Q1k-A	1,35	
SLU-A			Linear Static	Q5-FOLLA	0,675	
SLE-A	Linear Add	No	Linear Static	G1	1	None
SLE-A			Linear Static	G2-RETE	1	
SLE-A			Linear Static	G2-GUARDRAIL	1	
SLE-A			Linear Static	G2-PAVIM	1	
SLE-A			Linear Static	q1k-A	0,4	
SLE-A			Linear Static	_Q1k-A	0,75	
SLE-A			Linear Static	Q5-FOLLA	0	
SLU-B	Linear Add	No	Linear Static	G1	1,35	None
SLU-B			Linear Static	G2-RETE	1,5	
SLU-B			Linear Static	G2-GUARDRAIL	1,5	
SLU-B			Linear Static	G2-PAVIM	1,5	
SLU-B			Linear Static	q1k-B	1,35	
SLU-B			Linear Static	_Q1k-B	1,35	
SLU-B			Linear Static	Q5-FOLLA	0,675	
SLU-C	Linear Add	No	Linear Static	G1	1,35	None
SLU-C			Linear Static	G2-RETE	1,5	
SLU-C			Linear Static	G2-GUARDRAIL	1,5	
SLU-C			Linear Static	G2-PAVIM	1,5	
SLU-C			Linear Static	q1k-C	1,35	
SLU-C			Linear Static	_Q1k-C	1,35	
SLE-B	Linear Add	No	Linear Static	G1	1	None
SLE-B			Linear Static	G2-RETE	1	
SLE-B			Linear Static	G2-GUARDRAIL	1	
SLE-B			Linear Static	G2-PAVIM	1	
SLE-B			Linear Static	q1k-B	0,4	
SLE-B			Linear Static	_Q1k-B	0,75	
SLE-B			Linear Static	Q5-FOLLA	0	
SLE-C	Linear Add	No	Linear Static	G1	1	None
SLE-C			Linear Static	G2-RETE	1	
SLE-C			Linear Static	G2-GUARDRAIL	1	
SLE-C			Linear Static	G2-PAVIM	1	
SLE-C			Linear Static	q1k-C	0,4	
SLE-C			Linear Static	_Q1k-C	0,75	
SLU-D	Linear Add	No	Linear Static	G1	1,35	None
SLU-D			Linear Static	G2-RETE	1,5	
SLU-D			Linear Static	G2-GUARDRAIL	1,5	
SLU-D			Linear Static	G2-PAVIM	1,5	
SLU-D			Linear Static	q1k-D	1,35	
SLU-D			Linear Static	_Q1k-D	1,35	
SLU-ENVE	Envelope	No	Response Combo	SLU-A	1	None
SLU-ENVE			Response Combo	SLU-B	1	
SLU-ENVE			Response Combo	SLU-C	1	
SLU-ENVE			Response Combo	SLU-D	1	
SLE-D	Linear Add	No	Linear Static	G1	1	None
SLE-D			Linear Static	G2-RETE	1	
SLE-D			Linear Static	G2-GUARDRAIL	1	
SLE-D			Linear Static	G2-PAVIM	1	
SLE-D			Linear Static	q1k-D	0,4	
SLE-D			Linear Static	_Q1k-D	0,75	

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

**Table: Combination Definitions, Part 1 of 3**

ComboName	ComboType	AutoDesign	CaseType	CaseName	ScaleFactor	SteelDesign
SLE-D			Linear Static	Q5-FOLLA	0	
SLE-ENVE	Envelope	No	Response Combo	SLE-A	1	None
SLE-ENVE			Response Combo	SLE-B	1	
SLE-ENVE			Response Combo	SLE-C	1	
SLE-ENVE			Response Combo	SLE-D	1	

**Table: Combination Definitions, Part 2 of 3**

**Table: Combination Definitions, Part 2 of 3**

ComboName	CaseName	ConcDesign	AlumDesign	ColdDesign
SLU-A	G1	None	None	None
SLU-A	G2-RETE			
SLU-A	G2-GUARDRAIL			
SLU-A	G2-PAVIM			
SLU-A	q1k-A			
SLU-A	_Q1k-A			
SLU-A	Q5-FOLLA			
SLE-A	G1	None	None	None
SLE-A	G2-RETE			
SLE-A	G2-GUARDRAIL			
SLE-A	G2-PAVIM			
SLE-A	q1k-A			
SLE-A	_Q1k-A			
SLE-A	Q5-FOLLA			
SLU-B	G1	None	None	None
SLU-B	G2-RETE			
SLU-B	G2-GUARDRAIL			
SLU-B	G2-PAVIM			
SLU-B	q1k-B			
SLU-B	_Q1k-B			
SLU-B	Q5-FOLLA			
SLU-C	G1	None	None	None
SLU-C	G2-RETE			
SLU-C	G2-GUARDRAIL			
SLU-C	G2-PAVIM			
SLU-C	q1k-C			
SLU-C	_Q1k-C			
SLE-B	G1	None	None	None
SLE-B	G2-RETE			
SLE-B	G2-GUARDRAIL			
SLE-B	G2-PAVIM			
SLE-B	q1k-B			
SLE-B	_Q1k-B			
SLE-B	Q5-FOLLA			
SLE-C	G1	None	None	None
SLE-C	G2-RETE			
SLE-C	G2-GUARDRAIL			
SLE-C	G2-PAVIM			
SLE-C	q1k-C			
SLE-C	_Q1k-C			
SLU-D	G1	None	None	None

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Combination Definitions, Part 2 of 3**

ComboName	CaseName	ConcDesign	AlumDesign	ColdDesign
SLU-D	G2-RETE			
SLU-D	G2-GUARDRAIL			
SLU-D	G2-PAVIM			
SLU-D	q1k-D			
SLU-D	_Q1k-D			
SLU-ENVE	SLU-A	None	None	None
SLU-ENVE	SLU-B			
SLU-ENVE	SLU-C			
SLU-ENVE	SLU-D			
SLE-D	G1	None	None	None
SLE-D	G2-RETE			
SLE-D	G2-GUARDRAIL			
SLE-D	G2-PAVIM			
SLE-D	q1k-D			
SLE-D	_Q1k-D			
SLE-D	Q5-FOLLA			
SLE-ENVE	SLE-A	None	None	None
SLE-ENVE	SLE-B			
SLE-ENVE	SLE-C			
SLE-ENVE	SLE-D			

**Table: Combination Definitions, Part 3 of 3**

**Table: Combination Definitions, Part 3 of 3**

ComboName	CaseName	GUID	Notes
SLU-A	G1	6443fcf0-39af-48c4-9eea-893ddf33ecdf	
SLU-A	G2-RETE		
SLU-A	G2-GUARDRAIL		
SLU-A	G2-PAVIM		
SLU-A	q1k-A		
SLU-A	_Q1k-A		
SLU-A	Q5-FOLLA		
SLE-A	G1	6443fcf0-39af-48c4-9eea-893ddf33ecdf	
SLE-A	G2-RETE		
SLE-A	G2-GUARDRAIL		
SLE-A	G2-PAVIM		
SLE-A	q1k-A		
SLE-A	_Q1k-A		
SLE-A	Q5-FOLLA		
SLU-B	G1	6443fcf0-39af-48c4-9eea-893ddf33ecdf	
SLU-B	G2-RETE		
SLU-B	G2-GUARDRAIL		
SLU-B	G2-PAVIM		
SLU-B	q1k-B		
SLU-B	_Q1k-B		
SLU-B	Q5-FOLLA		
SLU-C	G1	6443fcf0-39af-48c4-9eea-893ddf33ecdf	
SLU-C	G2-RETE		

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell’Astico

**Table: Combination Definitions, Part 3 of 3**

ComboName	CaseName	GUID	Notes
SLU-C	G2-GUARDRAIL		
SLU-C	G2-PAVIM		
SLU-C	q1k-C		
SLU-C	_Q1k-C		
SLE-B	G1	6443fcf0-39af-48c4-9eea-893ddf33ecdf	
SLE-B	G2-RETE		
SLE-B	G2-GUARDRAIL		
SLE-B	G2-PAVIM		
SLE-B	q1k-B		
SLE-B	_Q1k-B		
SLE-B	Q5-FOLLA		
SLE-C	G1	6443fcf0-39af-48c4-9eea-893ddf33ecdf	
SLE-C	G2-RETE		
SLE-C	G2-GUARDRAIL		
SLE-C	G2-PAVIM		
SLE-C	q1k-C		
SLE-C	_Q1k-C		
SLU-D	G1	6443fcf0-39af-48c4-9eea-893ddf33ecdf	
SLU-D	G2-RETE		
SLU-D	G2-GUARDRAIL		
SLU-D	G2-PAVIM		
SLU-D	q1k-D		
SLU-D	_Q1k-D		
SLU-ENVE	SLU-A	63ba2323-4360-4382-9a35-11fe015b7677	
SLU-ENVE	SLU-B		
SLU-ENVE	SLU-C		
SLU-ENVE	SLU-D		
SLE-D	G1	6443fcf0-39af-48c4-9eea-893ddf33ecdf	
SLE-D	G2-RETE		
SLE-D	G2-GUARDRAIL		
SLE-D	G2-PAVIM		
SLE-D	q1k-D		
SLE-D	_Q1k-D		
SLE-D	Q5-FOLLA		
SLE-ENVE	SLE-A	63ba2323-4360-4382-9a35-11fe015b7677	
SLE-ENVE	SLE-B		
SLE-ENVE	SLE-C		
SLE-ENVE	SLE-D		

**Table: Connectivity - Area, Part 1 of 2**

Table: Connectivity - Area, Part 1 of 2

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
1	4	928	1309	1	2	1,5	0,125
2	4	2	1	1164	926	1,5	0,125
3	4	1309	1310	3	1	1,5	0,125

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Connectivity - Area, Part 1 of 2**

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
4	4	1	3	1165	1164	1,5	0,125
18	4	1310	1311	4	3	1,5	0,125
19	4	3	4	1166	1165	1,5	0,125
20	4	1311	1050	5	4	1,5	0,125
26	4	934	1372	1351	932	2	0,25
27	4	932	1351	1330	930	2	0,25
28	4	930	1330	1309	928	2	0,25
29	4	4	5	1049	1166	1,5	0,125
30	4	926	1164	1135	906	2	0,25
44	4	1075	1327	6	7	1,5	0,125
45	4	7	6	1306	1074	1,5	0,125
46	4	1327	1328	8	6	1,5	0,125
52	4	1372	1373	1352	1351	2	0,25
53	4	1351	1352	1331	1330	2	0,25
54	4	1330	1331	1310	1309	2	0,25
55	4	6	8	1307	1306	1,5	0,125
56	4	1164	1165	1133	1135	2	0,25
70	4	1328	1329	9	8	1,5	0,125
71	4	8	9	1308	1307	1,5	0,125
72	4	1329	929	10	9	1,5	0,125
78	4	1373	1374	1353	1352	2	0,25
79	4	1352	1353	1332	1331	2	0,25
80	4	1331	1332	1311	1310	2	0,25
81	4	9	10	927	1308	1,5	0,125
82	4	1165	1166	1131	1133	2	0,25
96	4	1050	975	11	5	0,999943	0,062493
97	4	5	11	974	1049	0,999943	0,062493
98	4	975	1312	12	11	1,6	0,1375
104	4	1374	1053	1052	1353	2	0,25
105	4	1353	1052	1051	1332	2	0,25
106	4	1332	1051	1050	1311	2	0,25
107	4	11	12	1167	974	1,6	0,1375
108	4	1166	1049	908	1131	2	0,25
122	4	1312	1313	13	12	1,800172	0,162522
123	4	12	13	1168	1167	1,800172	0,162522
124	4	1313	1314	14	13	1,6	0,1375
130	4	1078	1390	1369	1077	2	0,25
131	4	1077	1369	1348	1076	2	0,25
132	4	1076	1348	1327	1075	2	0,25
133	4	13	14	1169	1168	1,6	0,1375
134	4	1074	1306	1141	910	2	0,25
148	4	1314	1315	15	14	1,5	0,125
149	4	14	15	1170	1169	1,5	0,125
150	4	1315	1316	16	15	1,5	0,125
156	4	1390	1391	1370	1369	2	0,25
157	4	1369	1370	1349	1348	2	0,25
158	4	1348	1349	1328	1327	2	0,25
159	4	15	16	1171	1170	1,5	0,125
160	4	1306	1307	1139	1141	2	0,25
174	4	1316	1317	17	16	1,3	0,1
175	4	16	17	1172	1171	1,3	0,1
176	4	1318	1000	18	19	1,3	0,1
182	4	1391	1392	1371	1370	2	0,25

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

**Table: Connectivity - Area, Part 1 of 2**

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
183	4	1370	1371	1350	1349	2	0,25
184	4	1349	1350	1329	1328	2	0,25
185	4	19	18	999	1173	1,3	0,1
186	4	1307	1308	1137	1139	2	0,25
200	4	1319	1320	20	21	1,25	0,09375
201	4	21	20	1175	1174	1,25	0,09375
202	4	1320	1321	22	20	1,5	0,125
208	4	1392	935	933	1371	2	0,25
209	4	1371	933	931	1350	2	0,25
210	4	1350	931	929	1329	2	0,25
211	4	20	22	1176	1175	1,5	0,125
212	4	1308	927	912	1137	2	0,25
226	4	1321	1322	23	22	1,5	0,125
227	4	22	23	1177	1176	1,5	0,125
228	4	1322	1323	24	23	1,5	0,125
234	4	1053	978	977	1052	1,499943	0,124986
235	4	1052	977	976	1051	1,499943	0,124986
236	4	1051	976	975	1050	1,499943	0,124986
237	4	23	24	1178	1177	1,5	0,125
238	4	1049	974	900	908	1,499943	0,124986
252	4	1323	1324	25	24	1,5	0,125
253	4	24	25	1179	1178	1,5	0,125
254	4	1324	1325	26	25	1,5	0,125
260	4	978	1375	1354	977	2,1	0,275
261	4	977	1354	1333	976	2,1	0,275
262	4	976	1333	1312	975	2,1	0,275
263	4	25	26	1304	1179	1,5	0,125
264	4	974	1167	1111	900	2,1	0,275
278	4	1325	1326	27	26	1,5	0,125
279	4	26	27	1305	1304	1,5	0,125
280	4	1326	1025	28	27	0,999829	0,062479
286	4	1375	1376	1355	1354	2,300172	0,325043
287	4	1354	1355	1334	1333	2,300172	0,325043
288	4	1333	1334	1313	1312	2,300172	0,325043
289	4	27	28	1024	1305	0,999829	0,062479
290	4	1167	1168	1129	1111	2,300172	0,325043
304	4	1025	1075	7	28	1,000171	0,062521
305	4	28	7	1074	1024	1,000171	0,062521
306	4	1000	2064	29	18	0,875058	0,046882
312	4	1376	1377	1356	1355	2,1	0,275
313	4	1355	1356	1335	1334	2,1	0,275
314	4	1334	1335	1314	1313	2,1	0,275
315	4	18	29	2065	999	0,875058	0,046882
316	4	1168	1169	1107	1129	2,1	0,275
330	4	2064	1319	21	29	0,875058	0,046882
331	4	29	21	1174	2065	0,875058	0,046882
332	4	1317	2116	30	17	0,799961	0,037495
338	4	1377	1378	1357	1356	2	0,25
339	4	1356	1357	1336	1335	2	0,25
340	4	1335	1336	1315	1314	2	0,25
341	4	17	30	2118	1172	0,799961	0,037495
342	4	1169	1170	1125	1107	2	0,25
356	4	2116	2117	31	30	0,799961	0,037495

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

**Table: Connectivity - Area, Part 1 of 2**

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
357	4	30	31	2119	2118	0,799961	0,037495
358	4	2117	1318	19	31	0,799961	0,037495
364	4	1378	1379	1358	1357	2	0,25
365	4	1357	1358	1337	1336	2	0,25
366	4	1336	1337	1316	1315	2	0,25
367	4	31	19	1173	2119	0,799961	0,037495
368	4	1170	1171	1105	1125	2	0,25
390	4	1379	1380	1359	1358	1,8	0,2
391	4	1358	1359	1338	1337	1,8	0,2
392	4	1337	1338	1317	1316	1,8	0,2
394	4	1171	1172	1127	1105	1,8	0,2
442	4	1381	1003	1002	1360	1,8	0,2
443	4	1360	1002	1001	1339	1,8	0,2
444	4	1339	1001	1000	1318	1,8	0,2
446	4	1173	999	902	1113	1,8	0,2
494	4	1382	1383	1362	1361	1,75	0,1875
495	4	1361	1362	1341	1340	1,75	0,1875
496	4	1340	1341	1320	1319	1,75	0,1875
498	4	1174	1175	1103	1123	1,75	0,1875
520	4	1383	1384	1363	1362	2	0,25
521	4	1362	1363	1342	1341	2	0,25
522	4	1341	1342	1321	1320	2	0,25
524	4	1175	1176	1121	1103	2	0,25
546	4	1384	1385	1364	1363	2	0,25
547	4	1363	1364	1343	1342	2	0,25
548	4	1342	1343	1322	1321	2	0,25
550	4	1176	1177	1101	1121	2	0,25
572	4	1385	1386	1365	1364	2	0,25
573	4	1364	1365	1344	1343	2	0,25
574	4	1343	1344	1323	1322	2	0,25
576	4	1177	1178	1119	1101	2	0,25
598	4	1386	1387	1366	1365	2	0,25
599	4	1365	1366	1345	1344	2	0,25
600	4	1344	1345	1324	1323	2	0,25
602	4	1178	1179	1117	1119	2	0,25
624	4	1387	1388	1367	1366	2	0,25
625	4	1366	1367	1346	1345	2	0,25
626	4	1345	1346	1325	1324	2	0,25
628	4	1179	1304	1115	1117	2	0,25
650	4	1388	1389	1368	1367	2	0,25
651	4	1367	1368	1347	1346	2	0,25
652	4	1346	1347	1326	1325	2	0,25
654	4	1304	1305	1099	1115	2	0,25
676	4	1389	1028	1027	1368	1,499829	0,124957
677	4	1368	1027	1026	1347	1,499829	0,124957
678	4	1347	1026	1025	1326	1,499829	0,124957
680	4	1305	1024	904	1099	1,499829	0,124957
702	4	1028	1078	1077	1027	1,500171	0,125043
703	4	1027	1077	1076	1026	1,500171	0,125043
704	4	1026	1076	1075	1025	1,500171	0,125043
706	4	1024	1074	910	904	1,500171	0,125043
905	4	1003	2061	2062	1002	1,375058	0,093764
906	4	2061	1382	1361	2062	1,375058	0,093764



AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell’Astico

**Table: Connectivity - Area, Part 1 of 2**

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
907	4	1002	2062	2063	1001	1,375058	0,093764
908	4	2062	1361	1340	2063	1,375058	0,093764
909	4	1001	2063	2064	1000	1,375058	0,093764
910	4	2063	1340	1319	2064	1,375058	0,093764
913	4	999	2065	2066	902	1,375058	0,093764
914	4	2065	1174	1123	2066	1,375058	0,093764
981	4	1380	2110	2112	1359	1,299961	0,07499
982	4	2110	2111	2113	2112	1,299961	0,07499
983	4	2111	1381	1360	2113	1,299961	0,07499
984	4	1359	2112	2114	1338	1,299961	0,07499
985	4	2112	2113	2115	2114	1,299961	0,07499
986	4	2113	1360	1339	2115	1,299961	0,07499
987	4	1338	2114	2116	1317	1,299961	0,07499
988	4	2114	2115	2117	2116	1,299961	0,07499
989	4	2115	1339	1318	2117	1,299961	0,07499
993	4	1172	2118	2120	1127	1,299961	0,07499
994	4	2118	2119	2121	2120	1,299961	0,07499
995	4	2119	1173	1113	2121	1,299961	0,07499

**Table: Connectivity - Area, Part 2 of 2**

**Table: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
1	0,05625	25,25	17,125	0	2ae2ade1-d9d5-4c03-98a7-743d7367845e
2	0,05625	25,25	17,375	0	765b54e7-622e-44b3-8968-1bd7c679c525
3	0,05625	25,75	17,125	0	fb953844-7d10-4098-b6c1-f7fa3cd83b33
4	0,05625	25,75	17,375	0	2009181c-b703-45e4-8655-aaf1ace23b34
18	0,05625	26,25	17,125	0	cd917fe2-26de-4a1d-ac5b-c518b064c52f
19	0,05625	26,25	17,375	0	d830c09b-8f65-4f50-af7f-b96c25c8d6a5
20	0,05625	26,75	17,125	0	d8fafdac-ec9b-4fc2-858b-a9075180bd01
26	0,1125	25,25	15,75	0	d0b1715f-5b8c-44f3-b6a8-e8b0f484ce8f
27	0,1125	25,25	16,25	0	8b65eb95-698e-4e11-bd4c-1c143ca490e0
28	0,1125	25,25	16,75	0	3e1ba880-9957-4543-be5b-fd6b7247ee2d
29	0,05625	26,75	17,375	0	892e71bd-accd-4645-8153-3d0910c9d705
30	0,1125	25,25	17,75	0	e076515f-c3af-4f8a-9060-36ec200411a1
44	0,05625	35,75006	17,125	0	e9f5e1ea-2dcd-4664-bab8-20dba920288d
45	0,05625	35,75006	17,375	0	43edb426-57ac-4605-af32-f78b4df97e49
46	0,05625	36,25006	17,125	0	e19bf3e5-c75d-4ae4-8470-20394f7d90ba

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

**Table: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
52	0,1125	25,75	15,75	0	9f9908c8-2a95-4df5-a0b2-1352798310e8
53	0,1125	25,75	16,25	0	f8f8bb3f-ac8e-4eaa-b420-eef444cf7632
54	0,1125	25,75	16,75	0	44a26446-7362-45bc-b02d-de07a4810e5d
55	0,05625	36,25006	17,375	0	4da0fa29-ced5-431c-a76f-29043a262922
56	0,1125	25,75	17,75	0	20166d51-9f76-43d2-92e8-643a7becbf34
70	0,05625	36,75006	17,125	0	9e952985-acc9-41ff-b4aa-e7af62ba160d
71	0,05625	36,75006	17,375	0	0ed47249-30d2-4a29-a52a-e36f1aff69ff
72	0,05625	37,25006	17,125	0	12699873-b3ce-48a0-b537-63b1fff20c25
78	0,1125	26,25	15,75	0	fc2c06f9-3c35-4892-8060-9848e73a73d0
79	0,1125	26,25	16,25	0	6f2c7f4a-9529-4966-94f9-6149413c2d86
80	0,1125	26,25	16,75	0	2f1ab1da-941c-4f25-8d10-a0a35e2fec57
81	0,05625	37,25006	17,375	0	88267923-f208-418d-82fa-7e9677f784cd
82	0,1125	26,25	17,75	0	46194540-e35b-43d2-96b2-586cca0f262b
96	0,019373	27,12499	17,125	0	34d3cfc7-ac31-4fd2-9e11-3d8b08711c69
97	0,019373	27,12499	17,375	0	e9ba1083-8f8f-4782-a72d-c2bfe45eae89
98	0,042625	27,52497	17,125	0	4061755b-c893-4962-81d6-66b198a73b8b
104	0,1125	26,75	15,75	0	d734847a-bb40-403a-9801-8c17e3b1dce3
105	0,1125	26,75	16,25	0	d54e0951-4815-4626-b597-401c57cf51a4
106	0,1125	26,75	16,75	0	19a5bdc4-8ba1-4dbb-96fc-70cb10e09723
107	0,042625	27,52497	17,375	0	61d888b6-ce91-4956-9d08-2815b3ea4b63
108	0,1125	26,75	17,75	0	ce1724af-be14-4468-bfcd-50cf168c2b4f
122	0,050382	28,12501	17,125	0	8a78b321-4e30-416f-97c3-3bf403f27101
123	0,050382	28,12501	17,375	0	4afd5880-8fd1-4840-99e2-da4bf5852f8f
124	0,042625	28,72506	17,125	0	0517722f-7183-4056-b827-2165fd2a5b4d
130	0,1125	35,75006	15,75	0	614e797f-23c1-441c-86f2-db1d7e9db908
131	0,1125	35,75006	16,25	0	68b02dca-d87c-4a6a-b4f1-798245d735c1
132	0,1125	35,75006	16,75	0	be2bf5dd-f765-4844-bb2a-c9bebd7e8692
133	0,042625	28,72506	17,375	0	78df879d-6f84-4c5f-abed-d9d963e31bf2
134	0,1125	35,75006	17,75	0	ced8fcc8-5aad-46a7-abb3-d7824376f8ad

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

**Table: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
148	0,03875	29,25006	17,125	0	e9edea6d-c6a4-43ac-90a7-e363f21dae36
149	0,03875	29,25006	17,375	0	4b28edc8-2045-4e5c-880f-9351c92a0664
150	0,03875	29,75006	17,125	0	68ecf633-318a-435f-bc5d-a8ecef852594
156	0,1125	36,25006	15,75	0	bcff1ac9-f328-491f-bf9b-ed4001c6761a
157	0,1125	36,25006	16,25	0	e4dd9efa-6084-4cc3-b863-823347f85476
158	0,1125	36,25006	16,75	0	98053686-7917-47b9-bf94-3c598472145c
159	0,03875	29,75006	17,375	0	bd4e1cb9-64d0-4408-9421-f3cbdd6462dc
160	0,1125	36,25006	17,75	0	49be6da5-3301-4061-ad64-e3a23c2185aa
174	0,031	30,20006	17,125	0	e374c5e5-bf43-498b-992e-a147ab1a2b07
175	0,031	30,20006	17,375	0	0f958db9-02e8-471a-a8f9-4be68e33bc9c
176	0,031	31,05	17,125	0	a6842e4c-a59e-4508-bade-571ca448e00d
182	0,1125	36,75006	15,75	0	a7a53581-6b61-44ec-a06c-5fcd8c0fb5f3
183	0,1125	36,75006	16,25	0	28989262-9498-4398-a376-cdb07db9496b
184	0,1125	36,75006	16,75	0	86f2fdad-dd0d-4a34-852c-4e49dd010ef3
185	0,031	31,05	17,375	0	7351e4a0-7a6a-4961-b402-9753b9bee392
186	0,1125	36,75006	17,75	0	0a40e1ea-087d-41b9-872f-602f83337229
200	0,029063	31,81256	17,125	0	8d504f0e-f1d2-44e3-8b4c-5ac777bb7f68
201	0,029063	31,81256	17,375	0	61407488-bc33-491c-82ff-f7a1f6b4adbf
202	0,03875	32,25006	17,125	0	f438b8ae-378e-4bd2-b966-8038be50a58b
208	0,1125	37,25006	15,75	0	dcebc425-dbbf-43ef-b7d4-3c5e67d42049
209	0,1125	37,25006	16,25	0	90865e38-bdb8-44f6-b0bf-d3d548c146be
210	0,1125	37,25006	16,75	0	586ac60c-9212-427c-b480-da64990b114f
211	0,03875	32,25006	17,375	0	bb4772c5-3ffd-47b3-b0af-8411f4b57ba2
212	0,1125	37,25006	17,75	0	b1f3b4fc-cdfc-40cb-b245-fa69ae0635cf
226	0,03875	32,75006	17,125	0	11e6e651-cdc8-46a1-a0f5-00fb16deefa0
227	0,03875	32,75006	17,375	0	49865315-6a23-4d55-8dd4-f966d86339d9
228	0,03875	33,25006	17,125	0	05cb7d4e-dec8-4ba1-a5c7-d322bdd2ab86
234	0,038746	27,12499	15,75	0	c38c7e15-3962-44b8-8b04-c4f9fe42d9f5
235	0,038746	27,12499	16,25	0	53b4b8a5-354c-465b-ae9d-b6f1960a3e82

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

**Table: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
236	0,038746	27,12499	16,75	0	6b83baf4-4823-4ca4-a001-70237a3eb0a7
237	0,03875	33,25006	17,375	0	c0cc9b3e-674d-44df-9d1f-0f7366ae2f2f
238	0,038746	27,12499	17,75	0	e6877c0d-b029-4533-8633-119096d6aadd
252	0,03875	33,75006	17,125	0	eba934c9-d7c2-45a4-ae54-e7d87b5df601
253	0,03875	33,75006	17,375	0	26fbcf1a-86a4-476a-9f06-5f68a1d82b25
254	0,03875	34,25006	17,125	0	14a99b24-034a-4b53-a351-21b8b04ca8da
260	0,08525	27,52497	15,75	0	efe9bdfc-6e82-4d79-beca-4cc41b54a639
261	0,08525	27,52497	16,25	0	99a50bcb-c339-49b2-b22b-15698fc93754
262	0,08525	27,52497	16,75	0	cf8bd43a-e10c-45ae-b073-5a45d58021bd
263	0,03875	34,25006	17,375	0	b147f73c-fd80-48cf-8ccd-8124a061c45e
264	0,08525	27,52497	17,75	0	f860ec07-27e2-4976-929c-c72c4fd26392
278	0,03875	34,75006	17,125	0	b1bfb4c2-e21d-4b18-9c48-ad5e27b1e574
279	0,03875	34,75006	17,375	0	8413a0ba-119e-442b-a392-3dcb13128b06
280	0,019368	35,12501	17,125	0	0d476394-2224-460b-8e30-a3aba2edff32
286	0,100763	28,12501	15,75	0	b022dafc-98ff-4c00-b111-56d650e89ae5
287	0,100763	28,12501	16,25	0	132fd0d7-ffa6-4ab5-befe-1d5da2898b53
288	0,100763	28,12501	16,75	0	cffb3df-d09b-4378-9ef7-ef16bbd9d1af
289	0,019368	35,12501	17,375	0	5f3dbfd5-b222-4cbc-92ca-68e73247d0e8
290	0,100763	28,12501	17,75	0	05710f57-548d-4973-acbf-0db4b7091562
304	0,019382	35,37501	17,125	0	0d945282-0d3d-4ff1-b814-b23763d4abf0
305	0,019382	35,37501	17,375	0	7142a4db-637c-44b9-bbde-59626ca5859d
306	0,014533	31,34376	17,125	0	4591c532-c875-47db-9171-f6eb81edf857
312	0,08525	28,72506	15,75	0	a07e1bec-a427-438b-b4bc-97da83ddeb7
313	0,08525	28,72506	16,25	0	18753a0a-2b4d-41ef-b44c-9a779ef508da
314	0,08525	28,72506	16,75	0	87c5b4cf-c5ee-4b96-94ef-2591d211c9fd
315	0,014533	31,34376	17,375	0	00fe44d2-7ea0-42e1-8e97-e9d82fcc4e9b
316	0,08525	28,72506	17,75	0	2c2893c1-9862-43ea-acd9-3e45cc330d89
330	0,014533	31,53129	17,125	0	014499da-b3a3-4a81-af49-d5e0e3b6316c
331	0,014533	31,53129	17,375	0	7c798ae3-5a39-471b-b781-dbfd22fb6273

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

**Table: Connectivity - Area, Part 2 of 2**

Area	Volume	CentroidX	CentroidY	CentroidZ	GUID
	m3	m	m	m	
332	0,011624	30,47505	17,125	0	53673805-d015-497c-98d5-0c5b45b17b0a
338	0,0775	29,25006	15,75	0	6d5b45ef-d83f-4189-9dd4-d5c217e4fabb
339	0,0775	29,25006	16,25	0	2ab98877-350b-4219-bd06-b623814b2ac9
340	0,0775	29,25006	16,75	0	9fa28a2c-d072-4719-ae7a-b13d9249dd7e
341	0,011624	30,47505	17,375	0	5a175126-d396-4e67-ab7a-85749c37534f
342	0,0775	29,25006	17,75	0	6ed24abf-2a63-47bb-bf95-11747f67ef8b
356	0,011624	30,62503	17,125	0	905d5198-0b4e-4b4a-8a58-3a0595dcde70
357	0,011624	30,62503	17,375	0	7006f60d-a894-4f0e-83fa-93db9dfa16e8
358	0,011624	30,77501	17,125	0	450b22d4-b04a-41b8-8ca5-98e1cacf56d7
364	0,0775	29,75006	15,75	0	66e5bf80-2877-4c01-b1e1-0ea168d88915
365	0,0775	29,75006	16,25	0	fccd27b9-5c60-43e0-a108-354e53dfd4d6
366	0,0775	29,75006	16,75	0	c2521883-7a4a-4c91-af5e-a02e30d86ed6
367	0,011624	30,77501	17,375	0	caf48ce0-19e6-4a1f-a3bc-c7149c008991
368	0,0775	29,75006	17,75	0	88c4e0c9-7ec5-4fdd-8b43-4edfa9b09cbe
390	0,062	30,20006	15,75	0	222f140a-cd3d-441e-bc7a-bd19f6d6c46a
391	0,062	30,20006	16,25	0	e9952d5a-5919-43e2-8361-e855b12ad4a3
392	0,062	30,20006	16,75	0	c4cd5f8c-f2ec-4c2b-b4eb-0e95acfe096f
394	0,062	30,20006	17,75	0	4d37ac82-d5b6-402c-b4e4-f6b5a4b4cd01
442	0,062	31,05	15,75	0	27f31e51-a472-44df-a2de-b6a30a686bd5
443	0,062	31,05	16,25	0	ef3bcc2e-c938-4530-b729-d9718f08266b
444	0,062	31,05	16,75	0	9ec0ffe1-21df-4504-b114-283baca52a99
446	0,062	31,05	17,75	0	ead0a61a-6aa6-4e67-baa5-dcdd52ac00a4
494	0,058125	31,81256	15,75	0	28859710-ff87-4653-9551-901f551a4a3c
495	0,058125	31,81256	16,25	0	2b84b2b8-d46f-49d8-992b-195fcd466cc3
496	0,058125	31,81256	16,75	0	514f7a96-5631-45a5-98ae-cd4ad90a7f25
498	0,058125	31,81256	17,75	0	4bb83e49-96af-4bf1-a303-55b5c0070891
520	0,0775	32,25006	15,75	0	3c39a8e4-eb3e-48f6-bc14-e2b11f7e28b5
521	0,0775	32,25006	16,25	0	70a027f6-a5ee-49ce-bfaf-819566af8d37
522	0,0775	32,25006	16,75	0	5b5173de-098d-4fe3-ac84-bf126059348d

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Connectivity - Area, Part 2 of 2**

Area	Volume	CentroidX	CentroidY	CentroidZ	GUID
	m3	m	m	m	
524	0,0775	32,25006	17,75	0	1bd88934-5f71-48e5-88ad-ac0009e585dc
546	0,0775	32,75006	15,75	0	7c57589a-dd71-416a-a56c-d4cc3aa1565f
547	0,0775	32,75006	16,25	0	c533149a-d10d-4575-ad2b-bcaf3a1a5b66
548	0,0775	32,75006	16,75	0	b3e8c43a-71f1-46c4-aa8a-33f29454b1d3
550	0,0775	32,75006	17,75	0	83f3e379-d15a-4e61-b357-d4c5f789610d
572	0,0775	33,25006	15,75	0	990e0711-4ba7-4052-b6d3-4addaf05feb9
573	0,0775	33,25006	16,25	0	3db53e95-29fd-4945-b188-6d6e0552acac
574	0,0775	33,25006	16,75	0	ab1eba6d-0842-4bde-8b91-95ca5b159283
576	0,0775	33,25006	17,75	0	459093f7-a711-4c5c-8248-ec4d9af0357a
598	0,0775	33,75006	15,75	0	ef3fee7b-6176-4811-b2f5-43b0f52a8d5d
599	0,0775	33,75006	16,25	0	2f810a66-3a7b-4ad8-8cf6-4ff7808ee351
600	0,0775	33,75006	16,75	0	16298359-fae1-4af0-809e-86c676cbce64
602	0,0775	33,75006	17,75	0	069c9810-4e59-4986-94b7-9fe65aeda90f
624	0,0775	34,25006	15,75	0	aa10df80-f5c4-447f-b129-ef610e9df6bb
625	0,0775	34,25006	16,25	0	73d02397-afb0-47fb-825e-ab9ad40fa954
626	0,0775	34,25006	16,75	0	5eda47a9-032a-45f0-b9d8-7978c7c792eb
628	0,0775	34,25006	17,75	0	40661e05-c896-49ad-aca8-dcd398ac77d1
650	0,0775	34,75006	15,75	0	b4ff4dd4-4d91-4974-a24f-dd48855de3b5
651	0,0775	34,75006	16,25	0	1341f30a-32ae-461b-9ec2-d5365855d84f
652	0,0775	34,75006	16,75	0	c922b034-66c7-4a48-a8d8-8c57594a20d2
654	0,0775	34,75006	17,75	0	9704debc-1d99-4681-94d8-68dfbd87b7ab
676	0,038737	35,12501	15,75	0	117df3d3-75a0-4456-bae2-0fc56a0e0ae4
677	0,038737	35,12501	16,25	0	4bbcf1d8-9f43-42bf-8a32-e86f915e08bc
678	0,038737	35,12501	16,75	0	fa278b9c-33ee-4a90-b782-7ecd75fe2b06
680	0,038737	35,12501	17,75	0	c7e634b4-3ffd-4791-a8c6-9ed131b8a248
702	0,038763	35,37501	15,75	0	5c9fc690-c366-47fb-bb27-7817ae9ef84c
703	0,038763	35,37501	16,25	0	13910417-3353-460c-8af5-84b0e5210d51
704	0,038763	35,37501	16,75	0	320bde05-61a3-4e94-867a-b7ad8a093c72
706	0,038763	35,37501	17,75	0	c0255d69-1a51-4435-9b4c-0df903572116

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Connectivity - Area, Part 2 of 2**

Area	Volume	CentroidX	CentroidY	CentroidZ	GUID
	m3	m	m	m	
905	0,029067	31,34376	15,75	0	1cc6d8d8-420d-4cb7-a026-122b4bc2b7db
906	0,029067	31,53129	15,75	0	ee131f67-eccf-491d-827a-81b767416d04
907	0,029067	31,34376	16,25	0	d0481863-ab71-4e37-affe-cd076860986f
908	0,029067	31,53129	16,25	0	56e9e213-c152-4624-9ba5-035667c459f3
909	0,029067	31,34376	16,75	0	dc352d4d-e367-47f3-bb75-69ae66fad632
910	0,029067	31,53129	16,75	0	63507fd2-9741-440f-9d96-4a78c2920dd1
913	0,029067	31,34376	17,75	0	b3596013-cbad-49d2-9312-33329b162d6f
914	0,029067	31,53129	17,75	0	c3aae5cc-9810-4e5c-b61c-cd263b390e0d
981	0,023247	30,47505	15,75	0	00d1be6c-7fb4-45d4-a797-9f11a4c3546b
982	0,023247	30,62503	15,75	0	7a7c01ef-a6f3-4a83-ace6-61177613c67c
983	0,023247	30,77501	15,75	0	0bebcbbd-f945-41cb-a94a-45aeacab218c
984	0,023247	30,47505	16,25	0	42d469f7-0035-4f52-9d96-7f113fff730b
985	0,023247	30,62503	16,25	0	53c51abc-6d55-48be-a802-6266bc9847ca
986	0,023247	30,77501	16,25	0	6cf3c384-11b2-437e-a48e-f9984f3c13e9
987	0,023247	30,47505	16,75	0	46d34acc-0e61-4123-89fb-671e00df4af7
988	0,023247	30,62503	16,75	0	4be35093-034d-41d7-8e17-bc23625728cc
989	0,023247	30,77501	16,75	0	75c73527-12fa-40b5-892d-4659203f40cd
993	0,023247	30,47505	17,75	0	eac9285e-8c8e-48ba-91e9-a0f6012b7db2
994	0,023247	30,62503	17,75	0	651020a6-45b0-41e7-b137-c8dbdc527607
995	0,023247	30,77501	17,75	0	f5d9efd4-25f3-4032-9487-3f09db455890

**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	25,5	17,25	0	No	25,5
2	GLOBAL	Cartesian	25	17,25	0	No	25
3	GLOBAL	Cartesian	26	17,25	0	No	26
4	GLOBAL	Cartesian	26,5	17,25	0	No	26,5
5	GLOBAL	Cartesian	27	17,25	0	No	27
6	GLOBAL	Cartesian	36,00006	17,25	0	No	36,00006
7	GLOBAL	Cartesian	35,50006	17,25	0	No	35,50006
8	GLOBAL	Cartesian	36,50006	17,25	0	No	36,50006
9	GLOBAL	Cartesian	37,00006	17,25	0	No	37,00006

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell’Astico

Table: Joint Coordinates, Part 1 of 2

Joint	CoordSys	CoordType	XorR		Z	SpecialJt	GlobalX
			m	m			
10	GLOBAL	Cartesian	37,50006	17,25	0	No	37,50006
11	GLOBAL	Cartesian	27,24997	17,25	0	No	27,24997
12	GLOBAL	Cartesian	27,79997	17,25	0	No	27,79997
13	GLOBAL	Cartesian	28,45006	17,25	0	No	28,45006
14	GLOBAL	Cartesian	29,00006	17,25	0	No	29,00006
15	GLOBAL	Cartesian	29,50006	17,25	0	No	29,50006
16	GLOBAL	Cartesian	30,00006	17,25	0	No	30,00006
17	GLOBAL	Cartesian	30,40006	17,25	0	No	30,40006
18	GLOBAL	Cartesian	31,25	17,25	0	No	31,25
19	GLOBAL	Cartesian	30,85	17,25	0	No	30,85
20	GLOBAL	Cartesian	32,00006	17,25	0	No	32,00006
21	GLOBAL	Cartesian	31,62506	17,25	0	No	31,62506
22	GLOBAL	Cartesian	32,50006	17,25	0	No	32,50006
23	GLOBAL	Cartesian	33,00006	17,25	0	No	33,00006
24	GLOBAL	Cartesian	33,50006	17,25	0	No	33,50006
25	GLOBAL	Cartesian	34,00006	17,25	0	No	34,00006
26	GLOBAL	Cartesian	34,50006	17,25	0	No	34,50006
27	GLOBAL	Cartesian	35,00006	17,25	0	No	35,00006
28	GLOBAL	Cartesian	35,24997	17,25	0	No	35,24997
29	GLOBAL	Cartesian	31,43753	17,25	0	No	31,43753
30	GLOBAL	Cartesian	30,55004	17,25	0	No	30,55004
31	GLOBAL	Cartesian	30,70002	17,25	0	No	30,70002
900	GLOBAL	Cartesian	27,24997	18	0	No	27,24997
902	GLOBAL	Cartesian	31,25	18	0	No	31,25
904	GLOBAL	Cartesian	35,24997	18	0	No	35,24997
906	GLOBAL	Cartesian	25	18	0	No	25
908	GLOBAL	Cartesian	27	18	0	No	27
910	GLOBAL	Cartesian	35,50006	18	0	No	35,50006
912	GLOBAL	Cartesian	37,50006	18	0	No	37,50006
926	GLOBAL	Cartesian	25	17,5	0	No	25
927	GLOBAL	Cartesian	37,50006	17,5	0	No	37,50006
928	GLOBAL	Cartesian	25	17	0	No	25
929	GLOBAL	Cartesian	37,50006	17	0	No	37,50006
930	GLOBAL	Cartesian	25	16,5	0	No	25
931	GLOBAL	Cartesian	37,50006	16,5	0	No	37,50006
932	GLOBAL	Cartesian	25	16	0	No	25
933	GLOBAL	Cartesian	37,50006	16	0	No	37,50006
934	GLOBAL	Cartesian	25	15,5	0	No	25
935	GLOBAL	Cartesian	37,50006	15,5	0	No	37,50006
974	GLOBAL	Cartesian	27,24997	17,5	0	No	27,24997
975	GLOBAL	Cartesian	27,24997	17	0	No	27,24997
976	GLOBAL	Cartesian	27,24997	16,5	0	No	27,24997
977	GLOBAL	Cartesian	27,24997	16	0	No	27,24997
978	GLOBAL	Cartesian	27,24997	15,5	0	No	27,24997
999	GLOBAL	Cartesian	31,25	17,5	0	No	31,25
1000	GLOBAL	Cartesian	31,25	17	0	No	31,25
1001	GLOBAL	Cartesian	31,25	16,5	0	No	31,25
1002	GLOBAL	Cartesian	31,25	16	0	No	31,25
1003	GLOBAL	Cartesian	31,25	15,5	0	No	31,25
1024	GLOBAL	Cartesian	35,24997	17,5	0	No	35,24997
1025	GLOBAL	Cartesian	35,24997	17	0	No	35,24997
1026	GLOBAL	Cartesian	35,24997	16,5	0	No	35,24997
1027	GLOBAL	Cartesian	35,24997	16	0	No	35,24997



AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell’Astico

Table: Joint Coordinates, Part 1 of 2

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJt	GlobalX
			m	m	m		m
1028	GLOBAL	Cartesian	35,24997	15,5	0	No	35,24997
1049	GLOBAL	Cartesian	27	17,5	0	No	27
1050	GLOBAL	Cartesian	27	17	0	No	27
1051	GLOBAL	Cartesian	27	16,5	0	No	27
1052	GLOBAL	Cartesian	27	16	0	No	27
1053	GLOBAL	Cartesian	27	15,5	0	No	27
1074	GLOBAL	Cartesian	35,50006	17,5	0	No	35,50006
1075	GLOBAL	Cartesian	35,50006	17	0	No	35,50006
1076	GLOBAL	Cartesian	35,50006	16,5	0	No	35,50006
1077	GLOBAL	Cartesian	35,50006	16	0	No	35,50006
1078	GLOBAL	Cartesian	35,50006	15,5	0	No	35,50006
1099	GLOBAL	Cartesian	35,00006	18	0	No	35,00006
1101	GLOBAL	Cartesian	33,00006	18	0	No	33,00006
1103	GLOBAL	Cartesian	32,00006	18	0	No	32,00006
1105	GLOBAL	Cartesian	30,00006	18	0	No	30,00006
1107	GLOBAL	Cartesian	29,00006	18	0	No	29,00006
1111	GLOBAL	Cartesian	27,79997	18	0	No	27,79997
1113	GLOBAL	Cartesian	30,85	18	0	No	30,85
1115	GLOBAL	Cartesian	34,50006	18	0	No	34,50006
1117	GLOBAL	Cartesian	34,00006	18	0	No	34,00006
1119	GLOBAL	Cartesian	33,50006	18	0	No	33,50006
1121	GLOBAL	Cartesian	32,50006	18	0	No	32,50006
1123	GLOBAL	Cartesian	31,62506	18	0	No	31,62506
1125	GLOBAL	Cartesian	29,50006	18	0	No	29,50006
1127	GLOBAL	Cartesian	30,40006	18	0	No	30,40006
1129	GLOBAL	Cartesian	28,45006	18	0	No	28,45006
1131	GLOBAL	Cartesian	26,5	18	0	No	26,5
1133	GLOBAL	Cartesian	26	18	0	No	26
1135	GLOBAL	Cartesian	25,5	18	0	No	25,5
1137	GLOBAL	Cartesian	37,00006	18	0	No	37,00006
1139	GLOBAL	Cartesian	36,50006	18	0	No	36,50006
1141	GLOBAL	Cartesian	36,00006	18	0	No	36,00006
1164	GLOBAL	Cartesian	25,5	17,5	0	No	25,5
1165	GLOBAL	Cartesian	26	17,5	0	No	26
1166	GLOBAL	Cartesian	26,5	17,5	0	No	26,5
1167	GLOBAL	Cartesian	27,79997	17,5	0	No	27,79997
1168	GLOBAL	Cartesian	28,45006	17,5	0	No	28,45006
1169	GLOBAL	Cartesian	29,00006	17,5	0	No	29,00006
1170	GLOBAL	Cartesian	29,50006	17,5	0	No	29,50006
1171	GLOBAL	Cartesian	30,00006	17,5	0	No	30,00006
1172	GLOBAL	Cartesian	30,40006	17,5	0	No	30,40006
1173	GLOBAL	Cartesian	30,85	17,5	0	No	30,85
1174	GLOBAL	Cartesian	31,62506	17,5	0	No	31,62506
1175	GLOBAL	Cartesian	32,00006	17,5	0	No	32,00006
1176	GLOBAL	Cartesian	32,50006	17,5	0	No	32,50006
1177	GLOBAL	Cartesian	33,00006	17,5	0	No	33,00006
1178	GLOBAL	Cartesian	33,50006	17,5	0	No	33,50006
1179	GLOBAL	Cartesian	34,00006	17,5	0	No	34,00006
1304	GLOBAL	Cartesian	34,50006	17,5	0	No	34,50006
1305	GLOBAL	Cartesian	35,00006	17,5	0	No	35,00006
1306	GLOBAL	Cartesian	36,00006	17,5	0	No	36,00006
1307	GLOBAL	Cartesian	36,50006	17,5	0	No	36,50006
1308	GLOBAL	Cartesian	37,00006	17,5	0	No	37,00006

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1° LOTTO – Piovene Rocchette – Valle dell’Astico

Table: Joint Coordinates, Part 1 of 2

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJt	GlobalX
			m	m	m		m
1309	GLOBAL	Cartesian	25,5	17	0	No	25,5
1310	GLOBAL	Cartesian	26	17	0	No	26
1311	GLOBAL	Cartesian	26,5	17	0	No	26,5
1312	GLOBAL	Cartesian	27,79997	17	0	No	27,79997
1313	GLOBAL	Cartesian	28,45006	17	0	No	28,45006
1314	GLOBAL	Cartesian	29,00006	17	0	No	29,00006
1315	GLOBAL	Cartesian	29,50006	17	0	No	29,50006
1316	GLOBAL	Cartesian	30,00006	17	0	No	30,00006
1317	GLOBAL	Cartesian	30,40006	17	0	No	30,40006
1318	GLOBAL	Cartesian	30,85	17	0	No	30,85
1319	GLOBAL	Cartesian	31,62506	17	0	No	31,62506
1320	GLOBAL	Cartesian	32,00006	17	0	No	32,00006
1321	GLOBAL	Cartesian	32,50006	17	0	No	32,50006
1322	GLOBAL	Cartesian	33,00006	17	0	No	33,00006
1323	GLOBAL	Cartesian	33,50006	17	0	No	33,50006
1324	GLOBAL	Cartesian	34,00006	17	0	No	34,00006
1325	GLOBAL	Cartesian	34,50006	17	0	No	34,50006
1326	GLOBAL	Cartesian	35,00006	17	0	No	35,00006
1327	GLOBAL	Cartesian	36,00006	17	0	No	36,00006
1328	GLOBAL	Cartesian	36,50006	17	0	No	36,50006
1329	GLOBAL	Cartesian	37,00006	17	0	No	37,00006
1330	GLOBAL	Cartesian	25,5	16,5	0	No	25,5
1331	GLOBAL	Cartesian	26	16,5	0	No	26
1332	GLOBAL	Cartesian	26,5	16,5	0	No	26,5
1333	GLOBAL	Cartesian	27,79997	16,5	0	No	27,79997
1334	GLOBAL	Cartesian	28,45006	16,5	0	No	28,45006
1335	GLOBAL	Cartesian	29,00006	16,5	0	No	29,00006
1336	GLOBAL	Cartesian	29,50006	16,5	0	No	29,50006
1337	GLOBAL	Cartesian	30,00006	16,5	0	No	30,00006
1338	GLOBAL	Cartesian	30,40006	16,5	0	No	30,40006
1339	GLOBAL	Cartesian	30,85	16,5	0	No	30,85
1340	GLOBAL	Cartesian	31,62506	16,5	0	No	31,62506
1341	GLOBAL	Cartesian	32,00006	16,5	0	No	32,00006
1342	GLOBAL	Cartesian	32,50006	16,5	0	No	32,50006
1343	GLOBAL	Cartesian	33,00006	16,5	0	No	33,00006
1344	GLOBAL	Cartesian	33,50006	16,5	0	No	33,50006
1345	GLOBAL	Cartesian	34,00006	16,5	0	No	34,00006
1346	GLOBAL	Cartesian	34,50006	16,5	0	No	34,50006
1347	GLOBAL	Cartesian	35,00006	16,5	0	No	35,00006
1348	GLOBAL	Cartesian	36,00006	16,5	0	No	36,00006
1349	GLOBAL	Cartesian	36,50006	16,5	0	No	36,50006
1350	GLOBAL	Cartesian	37,00006	16,5	0	No	37,00006
1351	GLOBAL	Cartesian	25,5	16	0	No	25,5
1352	GLOBAL	Cartesian	26	16	0	No	26
1353	GLOBAL	Cartesian	26,5	16	0	No	26,5
1354	GLOBAL	Cartesian	27,79997	16	0	No	27,79997
1355	GLOBAL	Cartesian	28,45006	16	0	No	28,45006
1356	GLOBAL	Cartesian	29,00006	16	0	No	29,00006
1357	GLOBAL	Cartesian	29,50006	16	0	No	29,50006
1358	GLOBAL	Cartesian	30,00006	16	0	No	30,00006
1359	GLOBAL	Cartesian	30,40006	16	0	No	30,40006
1360	GLOBAL	Cartesian	30,85	16	0	No	30,85
1361	GLOBAL	Cartesian	31,62506	16	0	No	31,62506

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Joint Coordinates, Part 1 of 2

Joint	CoordSys	CoordType	XorR		Z	SpecialJt	GlobalX
			m	m			
1362	GLOBAL	Cartesian	32,00006	16	0	No	32,00006
1363	GLOBAL	Cartesian	32,50006	16	0	No	32,50006
1364	GLOBAL	Cartesian	33,00006	16	0	No	33,00006
1365	GLOBAL	Cartesian	33,50006	16	0	No	33,50006
1366	GLOBAL	Cartesian	34,00006	16	0	No	34,00006
1367	GLOBAL	Cartesian	34,50006	16	0	No	34,50006
1368	GLOBAL	Cartesian	35,00006	16	0	No	35,00006
1369	GLOBAL	Cartesian	36,00006	16	0	No	36,00006
1370	GLOBAL	Cartesian	36,50006	16	0	No	36,50006
1371	GLOBAL	Cartesian	37,00006	16	0	No	37,00006
1372	GLOBAL	Cartesian	25,5	15,5	0	No	25,5
1373	GLOBAL	Cartesian	26	15,5	0	No	26
1374	GLOBAL	Cartesian	26,5	15,5	0	No	26,5
1375	GLOBAL	Cartesian	27,79997	15,5	0	No	27,79997
1376	GLOBAL	Cartesian	28,45006	15,5	0	No	28,45006
1377	GLOBAL	Cartesian	29,00006	15,5	0	No	29,00006
1378	GLOBAL	Cartesian	29,50006	15,5	0	No	29,50006
1379	GLOBAL	Cartesian	30,00006	15,5	0	No	30,00006
1380	GLOBAL	Cartesian	30,40006	15,5	0	No	30,40006
1381	GLOBAL	Cartesian	30,85	15,5	0	No	30,85
1382	GLOBAL	Cartesian	31,62506	15,5	0	No	31,62506
1383	GLOBAL	Cartesian	32,00006	15,5	0	No	32,00006
1384	GLOBAL	Cartesian	32,50006	15,5	0	No	32,50006
1385	GLOBAL	Cartesian	33,00006	15,5	0	No	33,00006
1386	GLOBAL	Cartesian	33,50006	15,5	0	No	33,50006
1387	GLOBAL	Cartesian	34,00006	15,5	0	No	34,00006
1388	GLOBAL	Cartesian	34,50006	15,5	0	No	34,50006
1389	GLOBAL	Cartesian	35,00006	15,5	0	No	35,00006
1390	GLOBAL	Cartesian	36,00006	15,5	0	No	36,00006
1391	GLOBAL	Cartesian	36,50006	15,5	0	No	36,50006
1392	GLOBAL	Cartesian	37,00006	15,5	0	No	37,00006
2061	GLOBAL	Cartesian	31,43753	15,5	0	No	31,43753
2062	GLOBAL	Cartesian	31,43753	16	0	No	31,43753
2063	GLOBAL	Cartesian	31,43753	16,5	0	No	31,43753
2064	GLOBAL	Cartesian	31,43753	17	0	No	31,43753
2065	GLOBAL	Cartesian	31,43753	17,5	0	No	31,43753
2066	GLOBAL	Cartesian	31,43753	18	0	No	31,43753
2110	GLOBAL	Cartesian	30,55004	15,5	0	No	30,55004
2111	GLOBAL	Cartesian	30,70002	15,5	0	No	30,70002
2112	GLOBAL	Cartesian	30,55004	16	0	No	30,55004
2113	GLOBAL	Cartesian	30,70002	16	0	No	30,70002
2114	GLOBAL	Cartesian	30,55004	16,5	0	No	30,55004
2115	GLOBAL	Cartesian	30,70002	16,5	0	No	30,70002
2116	GLOBAL	Cartesian	30,55004	17	0	No	30,55004
2117	GLOBAL	Cartesian	30,70002	17	0	No	30,70002
2118	GLOBAL	Cartesian	30,55004	17,5	0	No	30,55004
2119	GLOBAL	Cartesian	30,70002	17,5	0	No	30,70002
2120	GLOBAL	Cartesian	30,55004	18	0	No	30,55004
2121	GLOBAL	Cartesian	30,70002	18	0	No	30,70002

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

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**Table: Joint Coordinates, Part 2 of 2**

Table: Joint Coordinates, Part 2 of 2			
Joint	GlobalY m	GlobalZ m	GUID
1	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
2	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
3	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
4	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
5	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
6	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
7	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
8	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
9	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
10	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
11	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
12	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
13	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
14	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
15	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
16	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
17	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
18	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
19	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
20	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
21	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
22	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
23	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
24	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
25	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
26	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
27	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
28	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

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**Table: Joint Coordinates, Part 2 of 2**

Joint	GlobalY	GlobalZ	GUID
	m	m	
29	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
30	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
31	17,25	0	09096b60-b4a1-4106-91c7-cfdaac6aa040
900	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
902	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
904	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
906	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
908	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
910	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
912	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
926	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
927	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
928	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
929	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
930	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
931	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
932	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
933	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
934	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
935	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
974	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
975	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
976	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
977	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
978	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
999	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1000	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1001	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1002	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

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**Table: Joint Coordinates, Part 2 of 2**

Joint	GlobalY m	GlobalZ m	GUID
1003	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1024	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1025	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1026	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1027	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1028	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1049	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1050	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1051	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1052	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1053	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1074	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1075	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1076	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1077	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1078	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1099	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1101	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1103	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1105	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1107	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1111	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1113	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1115	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1117	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1119	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1121	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1123	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1125	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

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**Table: Joint Coordinates, Part 2 of 2**

Joint	GlobalY	GlobalZ	GUID
	m	m	
1127	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1129	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1131	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1133	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1135	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1137	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1139	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1141	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1164	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1165	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1166	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1167	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1168	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1169	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1170	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1171	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1172	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1173	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1174	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1175	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1176	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1177	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1178	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1179	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1304	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1305	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1306	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1307	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1308	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

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**Table: Joint Coordinates, Part 2 of 2**

Joint	GlobalY	GlobalZ	GUID
	m	m	
1309	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1310	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1311	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1312	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1313	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1314	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1315	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1316	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1317	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1318	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1319	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1320	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1321	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1322	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1323	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1324	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1325	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1326	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1327	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1328	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1329	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1330	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1331	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1332	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1333	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1334	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1335	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1336	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1337	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752



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**Table: Joint Coordinates, Part 2 of 2**

Joint	GlobalY	GlobalZ	GUID
	m	m	
1338	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1339	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1340	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1341	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1342	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1343	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1344	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1345	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1346	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1347	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1348	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1349	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1350	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1351	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1352	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1353	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1354	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1355	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1356	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1357	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1358	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1359	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1360	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1361	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1362	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1363	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1364	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1365	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1366	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752

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**Table: Joint Coordinates, Part 2 of 2**

Joint	GlobalY	GlobalZ	GUID
	m	m	
1367	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1368	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1369	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1370	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1371	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1372	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1373	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1374	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1375	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1376	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1377	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1378	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1379	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1380	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1381	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1382	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1383	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1384	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1385	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1386	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1387	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1388	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1389	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1390	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1391	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
1392	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2061	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2062	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2063	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752

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**Table: Joint Coordinates, Part 2 of 2**

Joint	GlobalY	GlobalZ	GUID
	m	m	
2064	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2065	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2066	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2110	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2111	15,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2112	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2113	16	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2114	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2115	16,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2116	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2117	17	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2118	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2119	17,5	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2120	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752
2121	18	0	5fad8909-0c1b-4955-9ceb-ae6389898752

**Table: Joint Loads - Force, Part 1 of 2**

**Table: Joint Loads - Force, Part 1 of 2**

Joint	LoadPat	CoordSys	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
906	G2-RETE	GLOBAL	0	0	-0,5	0	0
908	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0
910	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0
912	G2-RETE	GLOBAL	0	0	-0,5	0	0
926	G2-RETE	GLOBAL	0	0	-0,5	0	0
927	G2-RETE	GLOBAL	0	0	-0,5	0	0
928	G2-RETE	GLOBAL	0	0	-0,5	0	0
929	G2-RETE	GLOBAL	0	0	-0,5	0	0
930	G2-RETE	GLOBAL	0	0	-0,5	0	0
931	G2-RETE	GLOBAL	0	0	-0,5	0	0
932	G2-RETE	GLOBAL	0	0	-0,5	0	0
933	G2-RETE	GLOBAL	0	0	-0,5	0	0
934	G2-RETE	GLOBAL	0	0	-0,5	0	0
935	G2-RETE	GLOBAL	0	0	-0,5	0	0
1049	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0
1050	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0
1051	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0
1052	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0
1053	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell’Astico

**Table: Joint Loads - Force, Part 1 of 2**

Joint	LoadPat	CoordSys	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
1074	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0
1075	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0
1076	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0
1077	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0
1078	G2-GUARDRAIL	GLOBAL	0	0	-0,75	0	0

**Table: Joint Loads - Force, Part 2 of 2**

**Table: Joint Loads - Force, Part 2 of 2**

Joint	LoadPat	M3	GUID
		KN-m	
906	G2-RETE	0	baa9b294-2bf9-4968-a6f3-e80a1e7bf07b
908	G2-GUARDRAIL	0	bc682e2b-ca21-4d99-9095-77ed32f8add9
910	G2-GUARDRAIL	0	44684f46-1cb9-4ddb-860b-fa9e95102c36
912	G2-RETE	0	337bb061-38d0-408b-836d-ddc5cc050270
926	G2-RETE	0	ec11d888-f845-4247-98a9-f4fb2eedf305
927	G2-RETE	0	1f0b232d-b296-4d5b-b1a4-d95a30beb2b4
928	G2-RETE	0	7a1abc16-e541-4a98-bf46-6fc221daf00e
929	G2-RETE	0	02212095-59e6-45a9-9c33-198c1f3da458
930	G2-RETE	0	98c21eb3-42fe-45c4-9092-7fde5dd331e9
931	G2-RETE	0	57a516b9-89b8-4b2f-b514-b79e53949990
932	G2-RETE	0	d14004db-4181-48fd-adc5-6b38ccf36173
933	G2-RETE	0	13ce3293-073e-49f7-81c5-821f4bcedac2
934	G2-RETE	0	8564eedb-cc29-47e7-96cc-bd853f1b71ff
935	G2-RETE	0	a79d7379-1505-4826-9063-e1002a66ecf6
1049	G2-GUARDRAIL	0	e2c40c42-56df-4828-b337-c5e1afee7221
1050	G2-GUARDRAIL	0	0b22a740-1fad-45e9-a3e2-a846f5ca6012
1051	G2-GUARDRAIL	0	d0030616-1f3f-45a7-9e0e-28b5a69fed4d
1052	G2-GUARDRAIL	0	b63d64e8-8bbf-49fb-8dc9-6f5ab7bbaec8
1053	G2-GUARDRAIL	0	deb1e763-9f4a-4b13-9e07-0d6e717af198
1074	G2-GUARDRAIL	0	bee4d4ba-9e4f-4290-b1a8-16d0864a4cd0
1075	G2-GUARDRAIL	0	25594348-8d8a-45a0-beba-1b7997dcf213
1076	G2-GUARDRAIL	0	84902bb9-75b4-464b-98c6-8ac573c7086c

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**Table: Joint Loads - Force, Part 2 of 2**

Joint	LoadPat	M3 KN-m	GUID
1077	G2-GUARDRAIL	0	b7a3b1d6-8170-4a69-b186-7691770767b2
1078	G2-GUARDRAIL	0	a57aa911-6275-4b34-a2b6-d9431ad816b3

**Table: Joint Restraint Assignments**

**Table: Joint Restraint Assignments**

Joint	U1	U2	U3	R1	R2	R3
900	Yes	Yes	Yes	No	No	No
902	Yes	Yes	Yes	No	No	No
904	Yes	Yes	Yes	No	No	No
974	Yes	Yes	Yes	No	No	No
975	Yes	Yes	Yes	No	No	No
976	Yes	Yes	Yes	No	No	No
977	Yes	Yes	Yes	No	No	No
978	Yes	Yes	Yes	No	No	No
999	Yes	Yes	Yes	No	No	No
1000	Yes	Yes	Yes	No	No	No
1001	Yes	Yes	Yes	No	No	No
1002	Yes	Yes	Yes	No	No	No
1003	Yes	Yes	Yes	No	No	No
1024	Yes	Yes	Yes	No	No	No
1025	Yes	Yes	Yes	No	No	No
1026	Yes	Yes	Yes	No	No	No
1027	Yes	Yes	Yes	No	No	No
1028	Yes	Yes	Yes	No	No	No

**Table: Load Pattern Definitions**

**Table: Load Pattern Definitions**

LoadPat	DesignType	SelfWtMult	AutoLoad	GUID	Notes
G1	Dead	1		982c3812-67a5-4d3b-b098-69c71ad9a2b3	
G2-PAVIM	Super Dead	0		6ace74ac-e178-410c-87b1-f728828180ba	
Q5-FOLLA	Live	0		bc148e3d-ca91-4a50-b886-458df3094460	
G2-GUARDRAIL	Super Dead	0		7fa4400a-5741-449a-92cc-0e8299a5752c	
G2-RETE	Super Dead	0		a3a81943-2bcf-49f8-89fc-97b1eb3d6475	
_Q1k-A	Live	0		694fc25f-9b15-40c3-9a5b-a7cc300743fb	
_Q1k-B	Live	0		69eb69c3-8ccc-4b0a-8756-d928f157001a	
_Q1k-C	Live	0		e96c3591-c1f6-495d-a5a8-7dbcb16df942	
_Q1k-D	Live	0		26076c15-ee0c-4672-8c50-38ec0b8965d1	

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**Table: Load Pattern Definitions**

LoadPat	DesignType	SelfWtMult	AutoLoad	GUID	Notes
q1k-A	Live	0		73e73adb-6441-452f-a160-146ee21153e6	
q1k-B	Live	0		cf4ab8e2-9e75-4690-96ba-1e9520ba039f	
q1k-C	Live	0		f369890f-de97-49d7-aca1-ddf0b97e93fb	
q1k-D	Live	0		6a7e5ca1-3447-4db6-a7bf-ed0ed3561606	

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

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

Material	Type	SymType	TempDepend	Color	GUID
A992Fy50	Steel	Isotropic	No	Cyan	
B450C	Rebar	Uniaxial	No	Green	
C32/40	Concrete	Isotropic	No	Green	

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

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

Material	Notes
A992Fy50	ASTM A992 Grade 50 30/03/2017 10.40.50
B450C	Italy NTC2008 B450C added 21/03/2017 17.18.44
C32/40	Italy UNI EN 206-1:2006 e UNI 11104:2004 C32/40 added 21/03/2017 17.18.37

**Table: Material Properties 02 - Basic Mechanical Properties**

**Table: Material Properties 02 - Basic Mechanical Properties**

Material	UnitWeight	UnitMass	E1	G12	U12	A1
	KN/m3	KN-s2/m4	KN/m2	KN/m2		1/C
A992Fy50	76,97286394 22648	7,849047379 95992	199947978,8	76903068,77	0,3	1,169999944 21006E-05
B450C	76,97286394 22648	7,849047379 95992	210000000			1,17E-05
C32/40	24,99261766	2,5485377	33346000	13894166,67	0,2	1E-05

**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						
C32/40	32000	32000	No	Mander	Takeda	0,001919	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 Degrees	DAngle Degrees
C32/40	0	0

**Table: Material Properties 03e - Rebar Data, Part 1 of 2**

Table: Material Properties 03e - Rebar Data, Part 1 of 2

Material	Fy KN/m2	Fu KN/m2	EffFy KN/m2	EffFu KN/m2	SSCurveOpt	SSHysType	SHard	SCap
B450C	450000	540000	495000	594000	Simple	Kinematic	0,0225	0,675

**Table: Material Properties 03e - Rebar Data, Part 2 of 2**

Table: Material Properties 03e - Rebar Data, Part 2 of 2

Material	FinalSlope	UseCTDef
B450C	-0,1	No

**Table: Program Control, Part 1 of 2**

Table: Program Control, Part 1 of 2

Program-Name	Version	ProgLevel	LicenseNum	LicenseOS	LicenseSC	LicenseHT	CurrUnits
SAP2000	18.2.0	Ultimate	3010*18X5E S5DWWKWSN A8	Yes	Yes	No	KN, m, C

**Table: Program Control, Part 2 of 2**

Table: Program Control, Part 2 of 2

SteelCode	ConcCode	AlumCode	ColdCode	RegenHinge
AISC 360-10	ACI 318-14	AA-ASD 2000	AISI-ASD96	Yes

**2.3. Output: schema di carico - mezzeria soletta**

**Table: Element Forces - Area Shells**

Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11 KN/m	F22 KN/m	F12 KN/m	M11 KN-m/m	M22 KN-m/m	M12 KN-m/m	V13 KN/m	V23 KN/m
16	Shell-Thin	SLU-ENVE	Max	0	0	0	-0,000124	1,8748	0,6119	6,62	1,32
16	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,1026	1,1673	0,602	6,62	1,29

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23	
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m	
16	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,0305	1,4579	0,4748	6,86	1,29	
16	Shell-Thin	SLU-ENVE	Max	0	0	0	0,0006053	2,1874	0,4847	6,86	1,32	
16	Shell-Thin	SLU-ENVE	Min	0	0	0	-0,000301	-3,0045	-0,8296	4,46	-0,61	
16	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,4971	-3,2723	-0,7996	4,46	-0,56	
16	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,6235	-3,9475	-0,6113	4,32	-0,56	
16	Shell-Thin	SLU-ENVE	Min	0	0	0	-0,0029	-3,6956	-0,6413	4,32	-0,61	
16	Shell-Thin	SLE-ENVE	Max	0	0	0	-7,339E-05	1,0382	0,3388	4,55	0,73	
16	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,6034	0,5579	0,3332	4,55	0,71	
16	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,564	0,7197	0,2625	4,69	0,71	
16	Shell-Thin	SLE-ENVE	Max	0	0	0	0,0002704	1,2119	0,2682	4,69	0,73	
16	Shell-Thin	SLE-ENVE	Min	0	0	0	-	-1,682	-0,4656	3,35	-0,34	
16	Shell-Thin	SLE-ENVE	Min	0	0	0	0,0001774	-2,3824	-1,916	-0,4491	3,35	-0,31
16	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4529	-2,2899	-0,3433	3,27	-0,31	
16	Shell-Thin	SLE-ENVE	Min	0	0	0	-0,0017	-2,0649	-0,3598	3,27	-0,34	
17	Shell-Thin	SLU-ENVE	Max	0	0	0	-	2,1813	0,3486	6,87	0,46	
17	Shell-Thin	SLU-ENVE	Max	0	0	0	0,0006142	-2,0299	1,4609	0,3428	6,87	0,65
17	Shell-Thin	SLU-ENVE	Max	0	0	0	-1,9985	1,5841	0,1973	7	0,65	
17	Shell-Thin	SLU-ENVE	Max	0	0	0	0,0049	2,3683	0,203	7	0,46	
17	Shell-Thin	SLU-ENVE	Min	0	0	0	-0,0034	-3,6983	-0,4398	4,35	-0,36	
17	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,623	-3,945	-0,4256	4,35	-0,23	
17	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,6798	-4,2832	-0,2433	4,29	-0,23	
17	Shell-Thin	SLU-ENVE	Min	0	0	0	0,0024	-3,944	-0,2576	4,29	-0,36	
17	Shell-Thin	SLE-ENVE	Max	0	0	0	-	1,208	0,1926	4,7	0,24	
17	Shell-Thin	SLE-ENVE	Max	0	0	0	0,0004942	-1,5636	0,7217	0,1892	4,7	0,36
17	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5466	0,7895	0,1073	4,77	0,36	
17	Shell-Thin	SLE-ENVE	Max	0	0	0	0,0032	1,3188	0,1107	4,77	0,24	
17	Shell-Thin	SLE-ENVE	Min	0	0	0	-0,0021	-2,0669	-0,2467	3,29	-0,21	
17	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4526	-2,2882	-0,239	3,29	-0,13	
17	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4843	-2,4769	-0,1378	3,26	-0,13	
17	Shell-Thin	SLE-ENVE	Min	0	0	0	0,0018	-2,1962	-0,1455	3,26	-0,21	
42	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,1044	1,1669	0,6137	15,57	1,44	
42	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,2805	-0,3776	0,6445	15,57	1,51	
42	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,0908	-0,0966	0,5087	16,05	1,51	
42	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,0319	1,4576	0,4779	16,05	1,44	
42	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,4946	-3,2718	-0,7997	12,62	-0,64	
42	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,469	-4,4209	-0,8441	12,62	-0,62	
42	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,8337	-5,1294	-0,6554	12,39	-0,62	
42	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,6199	-3,9468	-0,6109	12,39	-0,64	
42	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,6044	0,5577	0,3396	10,47	0,8	
42	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,9404	-0,4824	0,3565	10,47	0,83	
42	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,835	-0,3255	0,2807	10,73	0,83	
42	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5648	0,7196	0,2638	10,73	0,8	
42	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,381	-1,9158	-0,4491	8,82	-0,36	
42	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,7195	-2,7338	-0,4739	8,82	-0,35	
42	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,9216	-3,1261	-0,3682	8,69	-0,35	
42	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4509	-2,2895	-0,3435	8,69	-0,36	
43	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,0313	1,4606	0,3451	16,04	0,72	
43	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,0911	-0,0982	0,3563	16,04	0,73	
43	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,0157	0,0295	0,2109	16,3	0,73	
43	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,003	1,5832	0,1997	16,3	0,72	



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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
43	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,6194	-3,9443	-0,4305	12,41	-0,27
43	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,8339	-5,1306	-0,4534	12,41	-0,28
43	Shell-Thin	SLU-ENVE	Min	0	0	0	-12,0218	-5,4734	-0,2586	12,32	-0,28
43	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,6778	-4,2828	-0,2357	12,32	-0,27
43	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5644	0,7216	0,1898	10,72	0,4
43	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,8352	-0,3265	0,1955	10,72	0,41
43	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,7952	-0,2549	0,1145	10,87	0,41
43	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5493	0,7889	0,1089	10,87	0,4
43	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4506	-2,2877	-0,2424	8,7	-0,15
43	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,9217	-3,1269	-0,2554	8,7	-0,15
43	Shell-Thin	SLE-ENVE	Min	0	0	0	-8,0271	-3,3167	-0,1462	8,65	-0,15
43	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4835	-2,4767	-0,1332	8,65	-0,15
68	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,2814	-0,3777	0,722	25,6	1,78
68	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,8772	-2,8689	0,8193	25,6	2,09
68	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,4949	-2,6465	0,6441	26,49	2,09
68	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,0964	-0,0978	0,5468	26,49	1,78
68	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,4626	-4,4196	-0,9639	21,54	-0,75
68	Shell-Thin	SLU-ENVE	Min	0	0	0	-24,4907	-6,4464	-1,1448	21,54	-0,64
68	Shell-Thin	SLU-ENVE	Min	0	0	0	-25,304	-7,3082	-0,9169	21,15	-0,64
68	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,8321	-5,1291	-0,7359	21,15	-0,75
68	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,9407	-0,4825	0,4002	16,51	0,99
68	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,9683	-2,0943	0,455	16,51	1,17
68	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,753	-1,9784	0,3559	17	1,17
68	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,8387	-0,3262	0,3011	17	0,99
68	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,7157	-2,7331	-0,5397	14,25	-0,42
68	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,0966	-4,085	-0,6394	14,25	-0,34
68	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,5452	-4,5689	-0,5131	14,03	-0,34
68	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,921	-3,126	-0,4134	14,03	-0,42
69	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,0968	-0,0993	0,3928	26,4	0,9
69	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,4933	-2,6384	0,4233	26,4	0,56
69	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,3586	-2,4204	0,2481	26,93	0,56
69	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,0155	0,0295	0,2176	26,93	0,9
69	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,8323	-5,1302	-0,5439	21,14	-0,32
69	Shell-Thin	SLU-ENVE	Min	0	0	0	-25,3001	-7,2885	-0,6513	21,14	-0,5
69	Shell-Thin	SLU-ENVE	Min	0	0	0	-25,7415	-7,4604	-0,3821	21,04	-0,5
69	Shell-Thin	SLU-ENVE	Min	0	0	0	-12,0088	-5,4708	-0,2747	21,04	-0,32
69	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,8389	-0,3272	0,2144	16,94	0,5
69	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,7519	-1,9725	0,2295	16,94	0,29
69	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,6812	-1,8325	0,1331	17,24	0,29
69	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,7946	-0,2548	0,118	17,24	0,5
69	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,9212	-3,1268	-0,3065	14,02	-0,17
69	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,5428	-4,5568	-0,3675	14,02	-0,31
69	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,7911	-4,6383	-0,2163	13,97	-0,31
69	Shell-Thin	SLE-ENVE	Min	0	0	0	-8,0195	-3,3152	-0,1554	13,97	-0,17
94	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,8894	-2,8714	0,9921	34,87	2,63
94	Shell-Thin	SLU-ENVE	Max	0	0	0	-33,3476	-6,2237	1,1911	34,87	2,78
94	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,7509	-6,102	0,9692	37,23	2,78
94	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,4601	-2,6395	0,7702	37,23	2,63
94	Shell-Thin	SLU-ENVE	Min	0	0	0	-24,5008	-6,4484	-1,5106	29,36	-0,86
94	Shell-Thin	SLU-ENVE	Min	0	0	0	-42,3476	-9,1123	-1,9827	29,36	-0,64
94	Shell-Thin	SLU-ENVE	Min	0	0	0	-44,2457	-10,0325	-1,5724	29,03	-0,64
94	Shell-Thin	SLU-ENVE	Min	0	0	0	-25,2215	-7,2917	-1,1003	29,03	-0,86
94	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,9766	-2,096	0,5516	22,59	1,47

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
94	Shell-Thin	SLE-ENVE	Max	0	0	0	-22,6177	-4,2712	0,6637	22,59	1,57
94	Shell-Thin	SLE-ENVE	Max	0	0	0	-22,2948	-4,2202	0,5427	23,93	1,57
94	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,727	-1,9732	0,4307	23,93	1,47
94	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,1033	-4,0863	-0,8416	19,52	-0,47
94	Shell-Thin	SLE-ENVE	Min	0	0	0	-27,6278	-5,8795	-1,1022	19,52	-0,33
94	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,6873	-6,4032	-0,8719	19,38	-0,33
94	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,4943	-4,5587	-0,6112	19,38	-0,47
95	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,4585	-2,6314	0,5337	37,52	0,79
95	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,7687	-6,191	0,6574	37,52	1,31
95	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,0868	-6,0925	0,3191	36,5	1,31
95	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,4901	-2,4467	0,1954	36,5	0,79
95	Shell-Thin	SLU-ENVE	Min	0	0	0	-25,2175	-7,272	-0,8627	29,3	-0,62
95	Shell-Thin	SLU-ENVE	Min	0	0	0	-44,2766	-10,187	-1,0292	29,3	-0,44
95	Shell-Thin	SLU-ENVE	Min	0	0	0	-44,4915	-10,6769	-0,7312	27,87	-0,44
95	Shell-Thin	SLU-ENVE	Min	0	0	0	-25,9458	-7,5012	-0,5647	27,87	-0,62
95	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,7258	-1,9673	0,2932	24,12	0,41
95	Shell-Thin	SLE-ENVE	Max	0	0	0	-22,3077	-4,2848	0,3685	24,12	0,73
95	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,8636	-4,2379	0,1665	23,4	0,73
95	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,7757	-1,8514	0,0911	23,4	0,41
95	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,4919	-4,5466	-0,4831	19,57	-0,38
95	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,7067	-6,5006	-0,5704	19,57	-0,24
95	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,776	-6,7764	-0,4146	18,58	-0,24
95	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,9208	-4,6643	-0,3272	18,58	-0,38
120	Shell-Thin	SLU-ENVE	Max	0	0	0	-51,5698	-12,1396	8,4618	-40,48	13,95
120	Shell-Thin	SLU-ENVE	Max	0	0	0	-30,2619	-10,1403	6,2036	-40,48	12,77
120	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,328	-12,4939	4,6224	-46,24	12,77
120	Shell-Thin	SLU-ENVE	Max	0	0	0	-56,512	-14,4786	6,8806	-46,24	13,95
120	Shell-Thin	SLU-ENVE	Min	0	0	0	-59,615	-14,7171	5,3003	-45,6	7,21
120	Shell-Thin	SLU-ENVE	Min	0	0	0	-35,2319	-13,3549	4,0357	-45,6	7,24
120	Shell-Thin	SLU-ENVE	Min	0	0	0	-38,6605	-17,4836	2,9702	-57,11	7,24
120	Shell-Thin	SLU-ENVE	Min	0	0	0	-68,7952	-19,4353	4,2348	-57,11	7,21
120	Shell-Thin	SLE-ENVE	Max	0	0	0	-32,7482	-7,56	4,704	-25,7	7,77
120	Shell-Thin	SLE-ENVE	Max	0	0	0	-19,302	-6,1365	3,4509	-25,7	7,1
120	Shell-Thin	SLE-ENVE	Max	0	0	0	-20,4379	-7,4497	2,5697	-28,94	7,1
120	Shell-Thin	SLE-ENVE	Max	0	0	0	-35,503	-8,8729	3,8227	-28,94	7,77
120	Shell-Thin	SLE-ENVE	Min	0	0	0	-37,2284	-8,9959	2,9445	-28,55	4,03
120	Shell-Thin	SLE-ENVE	Min	0	0	0	-22,0727	-7,9256	2,2434	-28,55	4,03
120	Shell-Thin	SLE-ENVE	Min	0	0	0	-23,9684	-10,2222	1,6484	-34,97	4,03
120	Shell-Thin	SLE-ENVE	Min	0	0	0	-42,3326	-11,6258	2,3496	-34,97	4,03
121	Shell-Thin	SLU-ENVE	Max	0	0	0	-56,5799	-14,818	4,6721	-46,85	6,47
121	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,3184	-12,4458	3,6997	-46,85	4,5
121	Shell-Thin	SLU-ENVE	Max	0	0	0	-34,032	-13,2696	2,2686	-46,62	4,5
121	Shell-Thin	SLU-ENVE	Max	0	0	0	-58,1739	-16,574	3,241	-46,62	6,47
121	Shell-Thin	SLU-ENVE	Min	0	0	0	-68,8828	-19,8733	2,8361	-57,61	4,68
121	Shell-Thin	SLU-ENVE	Min	0	0	0	-38,6454	-17,4081	2,2545	-57,61	2,81
121	Shell-Thin	SLU-ENVE	Min	0	0	0	-41,5528	-18,6844	1,4203	-56,41	2,81
121	Shell-Thin	SLU-ENVE	Min	0	0	0	-71,1882	-21,3242	2,0019	-56,41	4,68
121	Shell-Thin	SLE-ENVE	Max	0	0	0	-35,5435	-9,0751	2,5948	-29,32	3,59
121	Shell-Thin	SLE-ENVE	Max	0	0	0	-20,4323	-7,4219	2,0594	-29,32	2,47
121	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,4155	-7,8667	1,2717	-28,99	2,47
121	Shell-Thin	SLE-ENVE	Max	0	0	0	-36,3629	-10,0641	1,807	-28,99	3,59
121	Shell-Thin	SLE-ENVE	Min	0	0	0	-42,3831	-11,8783	1,5718	-35,27	2,61
121	Shell-Thin	SLE-ENVE	Min	0	0	0	-23,9598	-10,1794	1,256	-35,27	1,52

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
121	Shell-Thin	SLE-ENVE	Min	0	0	0	-25,5954	-10,8806	0,8057	-34,47	1,52
121	Shell-Thin	SLE-ENVE	Min	0	0	0	-43,6197	-12,69	1,1215	-34,47	2,61
146	Shell-Thin	SLU-ENVE	Max	0	0	0	-30,2408	-10,1361	4,6028	-29,78	9,94
146	Shell-Thin	SLU-ENVE	Max	0	0	0	-14,7283	-8,5979	3,822	-29,78	8,37
146	Shell-Thin	SLU-ENVE	Max	0	0	0	-15,6807	-10,582	2,906	-32,4	8,37
146	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,5022	-12,5287	3,6868	-32,4	9,94
146	Shell-Thin	SLU-ENVE	Min	0	0	0	-35,2095	-13,3504	3,0524	-33,54	5,76
146	Shell-Thin	SLU-ENVE	Min	0	0	0	-17,5252	-12,1871	2,5652	-33,54	4,94
146	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,0722	-15,589	1,944	-37,88	4,94
146	Shell-Thin	SLU-ENVE	Min	0	0	0	-38,9281	-17,5371	2,4312	-37,88	5,76
146	Shell-Thin	SLE-ENVE	Max	0	0	0	-19,2886	-6,1339	2,5629	-18,83	5,53
146	Shell-Thin	SLE-ENVE	Max	0	0	0	-9,5279	-5,0533	2,1301	-18,83	4,64
146	Shell-Thin	SLE-ENVE	Max	0	0	0	-10,0571	-6,1543	1,6205	-20,28	4,64
146	Shell-Thin	SLE-ENVE	Max	0	0	0	-20,5415	-7,4705	2,0533	-20,28	5,53
146	Shell-Thin	SLE-ENVE	Min	0	0	0	-22,0592	-7,9229	1,698	-20,92	3,21
146	Shell-Thin	SLE-ENVE	Min	0	0	0	-11,09	-7,0525	1,4283	-20,92	2,74
146	Shell-Thin	SLE-ENVE	Min	0	0	0	-11,9488	-8,9408	1,0841	-23,33	2,74
146	Shell-Thin	SLE-ENVE	Min	0	0	0	-24,1215	-10,2528	1,3538	-23,33	3,21
147	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,4926	-12,4807	2,6364	-32,24	3,18
147	Shell-Thin	SLU-ENVE	Max	0	0	0	-15,6814	-10,5856	2,1597	-32,24	4,25
147	Shell-Thin	SLU-ENVE	Max	0	0	0	-16,1546	-11,5459	1,1187	-33,47	4,25
147	Shell-Thin	SLU-ENVE	Max	0	0	0	-33,5824	-13,1796	1,5954	-33,47	3,18
147	Shell-Thin	SLU-ENVE	Min	0	0	0	-38,913	-17,4616	1,6964	-37,6	1,91
147	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,0725	-15,5905	1,4399	-37,6	2,43
147	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,8305	-17,2398	0,7485	-40,25	2,43
147	Shell-Thin	SLU-ENVE	Min	0	0	0	-40,9953	-18,5729	1,005	-40,25	1,91
147	Shell-Thin	SLE-ENVE	Max	0	0	0	-20,5359	-7,4426	1,4705	-20,19	1,74
147	Shell-Thin	SLE-ENVE	Max	0	0	0	-10,0575	-6,1564	1,2047	-20,19	2,36
147	Shell-Thin	SLE-ENVE	Max	0	0	0	-10,3211	-6,6892	0,6243	-20,88	2,36
147	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,1444	-7,8125	0,89	-20,88	1,74
147	Shell-Thin	SLE-ENVE	Min	0	0	0	-24,113	-10,21	0,9485	-23,17	1,03
147	Shell-Thin	SLE-ENVE	Min	0	0	0	-11,949	-8,9417	0,8044	-23,17	1,35
147	Shell-Thin	SLE-ENVE	Min	0	0	0	-12,3701	-9,8573	0,4189	-24,64	1,35
147	Shell-Thin	SLE-ENVE	Min	0	0	0	-25,2717	-10,8158	0,563	-24,64	1,03
172	Shell-Thin	SLU-ENVE	Max	0	0	0	-14,7409	-8,6004	3,3529	-18,63	7,09
172	Shell-Thin	SLU-ENVE	Max	0	0	0	-4,9164	-7,8528	3,2055	-18,63	6,55
172	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,2315	-9,7101	2,4395	-19,91	6,55
172	Shell-Thin	SLU-ENVE	Max	0	0	0	-15,6933	-10,5845	2,5869	-19,91	7,09
172	Shell-Thin	SLU-ENVE	Min	0	0	0	-17,5455	-12,1911	2,2554	-21,29	4,18
172	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,1338	-11,7783	2,1514	-21,29	3,92
172	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,6094	-14,904	1,6441	-23,41	3,92
172	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,0825	-15,591	1,7481	-23,41	4,18
172	Shell-Thin	SLE-ENVE	Max	0	0	0	-9,5351	-5,0547	1,8704	-12,17	3,94
172	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,1697	-4,4589	1,7886	-12,17	3,63
172	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,3452	-5,4896	1,3613	-12,87	3,63
172	Shell-Thin	SLE-ENVE	Max	0	0	0	-10,0637	-6,1556	1,4431	-12,87	3,94
172	Shell-Thin	SLE-ENVE	Min	0	0	0	-11,1015	-7,0548	1,257	-13,65	2,32
172	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,8507	-6,6476	1,1992	-13,65	2,18
172	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,1149	-8,3821	0,9169	-14,82	2,18
172	Shell-Thin	SLE-ENVE	Min	0	0	0	-11,9542	-8,9419	0,9748	-14,82	2,32
173	Shell-Thin	SLU-ENVE	Max	0	0	0	-15,694	-10,5881	1,7972	-19,91	3,47
173	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,2312	-9,7085	1,7201	-19,91	3,21
173	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,3712	-10,6087	0,9696	-20,61	3,21

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
173	Shell-Thin	SLU-ENVE	Max	0	0	0	-16,1815	-11,5513	1,0467	-20,61	3,47
173	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,0828	-15,5925	1,216	-23,45	2,03
173	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,6093	-14,9033	1,1629	-23,45	1,91
173	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,8139	-16,4331	0,6561	-24,64	1,91
173	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,886	-17,2508	0,7092	-24,64	2,03
173	Shell-Thin	SLE-ENVE	Max	0	0	0	-10,0641	-6,1577	1,0029	-12,87	1,93
173	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,345	-5,4884	0,9599	-12,87	1,79
173	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,4233	-5,9891	0,5412	-13,26	1,79
173	Shell-Thin	SLE-ENVE	Max	0	0	0	-10,3365	-6,6922	0,5842	-13,26	1,93
173	Shell-Thin	SLE-ENVE	Min	0	0	0	-11,9544	-8,9428	0,6789	-14,84	1,13
173	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,1147	-8,3814	0,649	-14,84	1,06
173	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,2288	-9,2322	0,3669	-15,51	1,06
173	Shell-Thin	SLE-ENVE	Min	0	0	0	-12,4011	-9,8635	0,3968	-15,51	1,13
198	Shell-Thin	SLU-ENVE	Max	0	0	0	-4,9238	-7,8543	3,2481	-8,84	5,93
198	Shell-Thin	SLU-ENVE	Max	0	0	0	-	-8,0362	3,4067	-8,84	5,91
							0,0003369				
198	Shell-Thin	SLU-ENVE	Max	0	0	0	-0,0069	-9,9119	2,6421	-9,46	5,91
198	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,2393	-9,7117	2,4835	-9,46	5,93
198	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,1444	-11,7804	2,1621	-10,76	3,54
198	Shell-Thin	SLU-ENVE	Min	0	-	0	-	-12,3465	2,2506	-10,76	3,57
				1,212E-20			0,0008129				
198	Shell-Thin	SLU-ENVE	Min	0	-	0	-0,0107	-15,4593	1,7478	-11,69	3,57
				1,201E-20							
198	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,6209	-14,9063	1,6593	-11,69	3,54
198	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,1738	-4,4597	1,8123	-5,79	3,29
198	Shell-Thin	SLE-ENVE	Max	0	0	0	-	-4,475	1,9002	-5,79	3,28
							0,0001962				
198	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0039	-5,5162	1,4734	-6,13	3,28
198	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,3495	-5,4905	1,3854	-6,13	3,29
198	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,8565	-6,6488	1,2051	-6,86	1,96
198	Shell-Thin	SLE-ENVE	Min	0	0	0	-	-6,8796	1,2541	-6,86	1,98
							0,0004534				
198	Shell-Thin	SLE-ENVE	Min	0	0	0	-0,006	-8,6071	0,9739	-7,38	1,98
198	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,1213	-8,3834	0,925	-7,38	1,96
199	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,239	-9,7101	1,7489	-9,46	2,9
199	Shell-Thin	SLU-ENVE	Max	0	0	0	-0,0072	-9,9135	1,8281	-9,46	2,53
199	Shell-Thin	SLU-ENVE	Max	0	0	0	0,0063	-10,6823	1,0751	-9,77	2,53
199	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,3811	-10,6107	0,996	-9,77	2,9
199	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,6208	-14,9056	1,1684	-11,71	1,72
199	Shell-Thin	SLU-ENVE	Min	0	-	0	-0,0114	-15,4626	1,2111	-11,71	1,45
				1,404E-20							
199	Shell-Thin	SLU-ENVE	Min	0	-1,4E-20	0	0,0053	-16,8046	0,7113	-12,17	1,45
199	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,8321	-16,4367	0,6687	-12,17	1,72
199	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,3493	-5,4893	0,9753	-6,14	1,62
199	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0042	-5,5175	1,0191	-6,14	1,39
199	Shell-Thin	SLE-ENVE	Max	0	0	0	0,004	-5,9374	0,6001	-6,31	1,39
199	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,4285	-5,9902	0,5562	-6,31	1,62
199	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,1211	-8,3827	0,6514	-7,39	0,95
199	Shell-Thin	SLE-ENVE	Min	0	0	0	-0,0065	-8,6094	0,6749	-7,39	0,79
199	Shell-Thin	SLE-ENVE	Min	0	0	0	0,0034	-9,3476	0,3976	-7,65	0,79
199	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,2386	-9,2342	0,3742	-7,65	0,95

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
224	Shell-Thin	SLU-ENVE	Max	0	0	0	-33,3367	-6,5216	0,4716	42,44	2,87
224	Shell-Thin	SLU-ENVE	Max	0	0	0	-42,7492	-8,6401	0,6087	42,44	1,4
224	Shell-Thin	SLU-ENVE	Max	0	0	0	-41,8526	-8,0938	0,5646	43,38	1,4
224	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,7856	-6,4106	0,4275	43,38	2,87
224	Shell-Thin	SLU-ENVE	Min	0	0	0	-42,3425	-8,6786	-1,0787	37,74	-0,77
224	Shell-Thin	SLU-ENVE	Min	0	0	0	-53,143	-10,768	-1,5088	37,74	-1,64
224	Shell-Thin	SLU-ENVE	Min	0	0	0	-55,3672	-10,6083	-1,1242	36,36	-1,64
224	Shell-Thin	SLU-ENVE	Min	0	0	0	-44,3304	-9,253	-0,6941	36,36	-0,77
224	Shell-Thin	SLE-ENVE	Max	0	0	0	-22,6105	-4,4396	0,2547	27,93	1,61
224	Shell-Thin	SLE-ENVE	Max	0	0	0	-28,9636	-5,8577	0,33	27,93	0,68
224	Shell-Thin	SLE-ENVE	Max	0	0	0	-28,4456	-5,4888	0,3195	28,35	0,68
224	Shell-Thin	SLE-ENVE	Max	0	0	0	-22,321	-4,3862	0,2442	28,35	1,61
224	Shell-Thin	SLE-ENVE	Min	0	0	0	-27,6241	-5,6405	-0,6052	25,44	-0,41
224	Shell-Thin	SLE-ENVE	Min	0	0	0	-34,7185	-7,0324	-0,8445	25,44	-1,04
224	Shell-Thin	SLE-ENVE	Min	0	0	0	-35,9379	-6,894	-0,6202	24,52	-1,04
224	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,7396	-5,9656	-0,3809	24,52	-0,41
225	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,7914	-6,4397	0,4875	44,31	1,04
225	Shell-Thin	SLU-ENVE	Max	0	0	0	-41,8302	-7,9819	0,5608	44,31	7,44
225	Shell-Thin	SLU-ENVE	Max	0	0	0	-42,2665	-9,6847	0,114	54,84	7,44
225	Shell-Thin	SLU-ENVE	Max	0	0	0	-31,9614	-6,2861	0,0408	54,84	1,04
225	Shell-Thin	SLU-ENVE	Min	0	0	0	-44,3405	-9,3035	-0,235	37,05	-0,6
225	Shell-Thin	SLU-ENVE	Min	0	0	0	-55,3233	-10,3884	-0,4267	37,05	3,11
225	Shell-Thin	SLU-ENVE	Min	0	0	0	-57,9063	-13,7247	-0,6144	42,12	3,11
225	Shell-Thin	SLU-ENVE	Min	0	0	0	-44,2923	-9,4399	-0,4227	42,12	-0,6
225	Shell-Thin	SLE-ENVE	Max	0	0	0	-22,3252	-4,4073	0,3046	28,95	0,55
225	Shell-Thin	SLE-ENVE	Max	0	0	0	-28,4292	-5,4071	0,3468	28,95	4,58
225	Shell-Thin	SLE-ENVE	Max	0	0	0	-28,806	-6,6543	0,0483	35,48	4,58
225	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,7733	-4,3106	0,0061	35,48	0,55
225	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,7459	-5,9974	-0,1052	25,02	-0,36
225	Shell-Thin	SLE-ENVE	Min	0	0	0	-35,9106	-6,7571	-0,2105	25,02	2,33
225	Shell-Thin	SLE-ENVE	Min	0	0	0	-37,4467	-8,8379	-0,3528	28,73	2,33
225	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,6498	-6,0638	-0,2475	28,73	-0,36
250	Shell-Thin	SLU-ENVE	Max	0	0	0	-42,7499	-8,6402	0,9581	-24,39	1,12
250	Shell-Thin	SLU-ENVE	Max	0	0	0	-24,0681	-3,8787	1,2103	-24,39	0,59
250	Shell-Thin	SLU-ENVE	Max	0	0	0	-25,1127	-3,4617	0,9369	-23,38	0,59
250	Shell-Thin	SLU-ENVE	Max	0	0	0	-41,888	-8,1009	0,6847	-23,38	1,12
250	Shell-Thin	SLU-ENVE	Min	0	0	0	-53,1214	-10,7636	-2,2313	-53,65	-1,54
250	Shell-Thin	SLU-ENVE	Min	0	0	0	-29,0373	-6,3056	-3,0152	-53,65	-0,06033
250	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,7456	-6,5047	-2,6042	-55,86	-0,06033
250	Shell-Thin	SLU-ENVE	Min	0	0	0	-55,3838	-10,6116	-1,8203	-55,86	-1,54
250	Shell-Thin	SLE-ENVE	Max	0	0	0	-28,9629	-5,8576	0,5351	-19,21	0,53
250	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,6837	-2,814	0,6742	-19,21	0,36
250	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,2709	-2,5965	0,515	-18,6	0,36
250	Shell-Thin	SLE-ENVE	Max	0	0	0	-28,4695	-5,4936	0,376	-18,6	0,53
250	Shell-Thin	SLE-ENVE	Min	0	0	0	-34,7057	-7,0298	-1,237	-33,21	-0,98
250	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,2298	-3,9163	-1,6729	-33,21	0,006461
250	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,0905	-4,0459	-1,4503	-34,41	0,006461
250	Shell-Thin	SLE-ENVE	Min	0	0	0	-35,9504	-6,8965	-1,0144	-34,41	-0,98
251	Shell-Thin	SLU-ENVE	Max	0	0	0	-41,8656	-7,989	0,4159	-23,64	7,36
251	Shell-Thin	SLU-ENVE	Max	0	0	0	-25,1294	-3,5452	0,5145	-23,64	-0,76
251	Shell-Thin	SLU-ENVE	Max	0	0	0	-25,0612	-2,6212	0,4042	-25,11	-0,76
251	Shell-Thin	SLU-ENVE	Max	0	0	0	-42,1928	-9,6699	0,3056	-25,11	7,36
251	Shell-Thin	SLU-ENVE	Min	0	0	0	-55,3399	-10,3918	-1,5245	-56,95	3,18

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
251	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,7567	-6,5599	-1,9461	-56,95	-1,08
251	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,2905	-6,2704	-0,9349	-61,41	-1,08
251	Shell-Thin	SLU-ENVE	Min	0	0	0	-57,7219	-13,6879	-0,5134	-61,41	3,18
251	Shell-Thin	SLE-ENVE	Max	0	0	0	-28,4532	-5,4119	0,213	-18,81	4,54
251	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,2815	-2,6498	0,2644	-18,81	-0,53
251	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,2033	-2,0932	0,2314	-19,93	-0,53
251	Shell-Thin	SLE-ENVE	Max	0	0	0	-28,7507	-6,6433	0,1799	-19,93	4,54
251	Shell-Thin	SLE-ENVE	Min	0	0	0	-35,9231	-6,7596	-0,8604	-35,06	2,37
251	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,0985	-4,0856	-1,097	-35,06	-0,68
251	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,7866	-3,8677	-0,5141	-37,77	-0,68
251	Shell-Thin	SLE-ENVE	Min	0	0	0	-37,3334	-8,8153	-0,2776	-37,77	2,37
276	Shell-Thin	SLU-ENVE	Max	0	0	0	-24,0922	-3,8835	1,418	-15,8	0,17
276	Shell-Thin	SLU-ENVE	Max	0	0	0	2,6712	2,7354	1,5583	-15,8	0,68
276	Shell-Thin	SLU-ENVE	Max	0	0	0	2,9644	5,1995	1,2455	-15,33	0,68
276	Shell-Thin	SLU-ENVE	Max	0	0	0	-25,0701	-3,4532	1,1052	-15,33	0,17
276	Shell-Thin	SLU-ENVE	Min	0	0	0	-29,0392	-6,306	-3,7073	-42,55	-0,33
276	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,3619	-5,0477	-4,0496	-42,55	-4,4
276	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,3193	-5,4974	-3,3587	-44,51	-4,4
276	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,7068	-6,497	-3,0164	-44,51	-0,33
276	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,698	-2,8168	0,7844	-12,99	0,13
276	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,2172	1,1775	0,8634	-12,99	0,37
276	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0513	2,5484	0,6909	-12,74	0,37
276	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,2429	-2,5909	0,6119	-12,74	0,13
276	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,2323	-3,9167	-2,0609	-26,12	-0,16
276	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,5588	-2,676	-2,2501	-26,12	-2,45
276	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,531	-2,9235	-1,8657	-27,21	-2,45
276	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,0633	-4,0405	-1,6765	-27,21	-0,16
277	Shell-Thin	SLU-ENVE	Max	0	0	0	-25,0868	-3,5367	0,7993	-15,19	-0,63
277	Shell-Thin	SLU-ENVE	Max	0	0	0	2,9707	5,231	0,8705	-15,19	0,43
277	Shell-Thin	SLU-ENVE	Max	0	0	0	2,9771	6,412	0,4755	-14,58	0,43
277	Shell-Thin	SLU-ENVE	Max	0	0	0	-25,2913	-2,6672	0,4043	-14,58	-0,63
277	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,7179	-6,5522	-2,1517	-45,27	-1,49
277	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,3163	-5,4826	-2,3165	-45,27	-2,11
277	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,3835	-5,7521	-1,2618	-45,59	-2,11
277	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,4054	-6,293	-1,0971	-45,59	-1,49
277	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,2536	-2,6442	0,446	-12,66	-0,45
277	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0474	2,568	0,4869	-12,66	0,25
277	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0539	3,2184	0,2671	-12,26	0,25
277	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,3463	-2,1218	0,2262	-12,26	-0,45
277	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,0713	-4,0802	-1,1934	-27,64	-0,91
277	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,5288	-2,9125	-1,2838	-27,64	-1,16
277	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,5795	-3,0698	-0,6985	-27,77	-1,16
277	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,8704	-3,8843	-0,6081	-27,77	-0,91
302	Shell-Thin	SLU-ENVE	Max	0	0	0	2,6602	2,7331	1,6345	-6,52	0,91
302	Shell-Thin	SLU-ENVE	Max	0	0	0	19,9189	7,2355	1,6322	-6,52	1,73
302	Shell-Thin	SLU-ENVE	Max	0	0	0	21,7541	11,9183	1,298	-5,91	1,73
302	Shell-Thin	SLU-ENVE	Max	0	0	0	2,9499	5,1966	1,3003	-5,91	0,91
302	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,3533	-5,0459	-4,1815	-32,9	-5,22
302	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,3995	-4,9659	-4,0221	-32,9	-9,66
302	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,7029	-5,8279	-3,2623	-35,71	-9,66
302	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,3224	-5,498	-3,4218	-35,71	-5,22
302	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,2231	1,1763	0,9072	-6,37	0,5
302	Shell-Thin	SLE-ENVE	Max	0	0	0	10,2141	3,8484	0,9063	-6,37	0,96

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
302	Shell-Thin	SLE-ENVE	Max	0	0	0	11,233	6,4505	0,7213	-6,03	0,96
302	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0608	2,5465	0,7222	-6,03	0,5
302	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,5538	-2,675	-2,3224	-19,82	-2,9
302	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,847	-2,3261	-2,2338	-19,82	-5,37
302	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,0155	-2,8045	-1,8115	-21,38	-5,37
302	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,5347	-2,9242	-1,9001	-21,38	-2,9
303	Shell-Thin	SLU-ENVE	Max	0	0	0	2,9562	5,228	0,9035	-5,71	0,52
303	Shell-Thin	SLU-ENVE	Max	0	0	0	21,746	11,8781	0,9026	-5,71	0,82
303	Shell-Thin	SLU-ENVE	Max	0	0	0	23,3438	13,5055	0,4716	-5,51	0,82
303	Shell-Thin	SLU-ENVE	Max	0	0	0	2,9763	6,4118	0,4725	-5,51	0,52
303	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,3195	-5,4832	-2,4108	-36,4	-2,81
303	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,7041	-5,8337	-2,1688	-36,4	-3,69
303	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,8272	-6,2425	-1,0491	-39,27	-3,69
303	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,3338	-5,7421	-1,291	-39,27	-2,81
303	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0569	2,5661	0,5023	-5,92	0,3
303	Shell-Thin	SLE-ENVE	Max	0	0	0	11,2284	6,4276	0,5014	-5,92	0,45
303	Shell-Thin	SLE-ENVE	Max	0	0	0	12,1173	7,3331	0,2624	-5,82	0,45
303	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0491	3,2194	0,2634	-5,82	0,3
303	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,5325	-2,9133	-1,3384	-21,76	-1,55
303	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,0163	-2,8084	-1,2044	-21,76	-2,05
303	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,0829	-3,0336	-0,5823	-23,37	-2,05
303	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,545	-3,0629	-0,7163	-23,37	-1,55
328	Shell-Thin	SLU-ENVE	Max	0	0	0	19,9021	7,2321	1,5505	2,18	1,98
328	Shell-Thin	SLU-ENVE	Max	0	0	0	32,3323	10,0679	1,421	2,18	2,89
328	Shell-Thin	SLU-ENVE	Max	0	0	0	38,9131	18,4743	1,1307	3,1	2,89
328	Shell-Thin	SLU-ENVE	Max	0	0	0	21,7028	11,9081	1,2603	3,1	1,98
328	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,3953	-4,965	-3,5199	-26,31	-11,75
328	Shell-Thin	SLU-ENVE	Min	0	0	0	-15,1971	-5,6405	-2,3188	-26,31	-19,22
328	Shell-Thin	SLU-ENVE	Min	0	0	0	-15,9539	-6,9561	-1,5951	-35,87	-19,22
328	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,6957	-5,8265	-2,7961	-35,87	-11,75
328	Shell-Thin	SLE-ENVE	Max	0	0	0	10,2047	3,8465	0,8613	-0,25	1,1
328	Shell-Thin	SLE-ENVE	Max	0	0	0	17,4715	5,4943	0,7896	-0,25	1,6
328	Shell-Thin	SLE-ENVE	Max	0	0	0	21,1273	10,1648	0,6285	0,25	1,6
328	Shell-Thin	SLE-ENVE	Max	0	0	0	11,2048	6,4448	0,7002	0,25	1,1
328	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,8447	-2,3256	-1,9548	-15,34	-6,53
328	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,5566	-2,5537	-1,2877	-15,34	-10,68
328	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,9762	-3,2843	-0,8856	-20,65	-10,68
328	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,0112	-2,8036	-1,5527	-20,65	-6,53
329	Shell-Thin	SLU-ENVE	Max	0	0	0	21,6948	11,8678	0,8655	3,32	0,93
329	Shell-Thin	SLU-ENVE	Max	0	0	0	38,9064	18,4411	0,8091	3,32	1,39
329	Shell-Thin	SLU-ENVE	Max	0	0	0	40,9825	17,4931	0,4079	3,77	1,39
329	Shell-Thin	SLU-ENVE	Max	0	0	0	23,2877	13,4943	0,4643	3,77	0,93
329	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,6968	-5,8323	-1,4496	-35,92	-4,73
329	Shell-Thin	SLU-ENVE	Min	0	0	0	-15,9537	-6,9552	-0,7135	-35,92	0,42
329	Shell-Thin	SLU-ENVE	Min	0	0	0	-16,306	-7,5925	0,0346	-36,89	0,42
329	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,8245	-6,242	-0,7015	-36,89	-4,73
329	Shell-Thin	SLE-ENVE	Max	0	0	0	11,2002	6,4219	0,4811	0,37	0,51
329	Shell-Thin	SLE-ENVE	Max	0	0	0	21,1236	10,1465	0,4499	0,37	0,77
329	Shell-Thin	SLE-ENVE	Max	0	0	0	22,2766	9,6199	0,2271	0,63	0,77
329	Shell-Thin	SLE-ENVE	Max	0	0	0	12,0856	7,3268	0,2584	0,63	0,51
329	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,0119	-2,8076	-0,8047	-20,68	-2,63
329	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,976	-3,2836	-0,3958	-20,68	0,24
329	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,172	-3,6373	0,0198	-21,21	0,24

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
329	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,0821	-3,0334	-0,3891	-21,21	-2,63
354	Shell-Thin	SLU-ENVE	Max	0	0	0	32,3183	10,0651	1,1406	11,05	3,35
354	Shell-Thin	SLU-ENVE	Max	0	0	0	28,8373	8,6786	2,5192	11,05	4,44
354	Shell-Thin	SLU-ENVE	Max	0	0	0	37,9981	18,7022	2,461	12,77	4,44
354	Shell-Thin	SLU-ENVE	Max	0	0	0	38,7783	18,4474	0,9738	12,77	3,35
354	Shell-Thin	SLU-ENVE	Min	0	0	0	-15,1902	-5,6391	0,0318	7,08	-21,74
354	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,9257	-6,9257	0,6414	7,08	-25,02
354	Shell-Thin	SLU-ENVE	Min	0	0	0	-22,1633	-8,7842	0,4992	1,68	-25,02
354	Shell-Thin	SLU-ENVE	Min	0	0	0	-15,945	-6,9543	-0,0264	1,68	-21,74
354	Shell-Thin	SLE-ENVE	Max	0	0	0	17,4637	5,4928	0,6342	5,89	1,86
354	Shell-Thin	SLE-ENVE	Max	0	0	0	15,7848	4,7738	1,3998	5,89	2,47
354	Shell-Thin	SLE-ENVE	Max	0	0	0	20,8738	10,3427	1,3675	6,84	2,47
354	Shell-Thin	SLE-ENVE	Max	0	0	0	21,0524	10,1499	0,5415	6,84	1,86
354	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,5527	-2,5529	0,018	3,42	-12,08
354	Shell-Thin	SLE-ENVE	Min	0	0	0	-8,4047	-3,2428	0,3571	3,42	-13,9
354	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,3003	-4,275	0,278	0,42	-13,9
354	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,9713	-3,2833	-0,0142	0,42	-12,08
355	Shell-Thin	SLU-ENVE	Max	0	0	0	38,7717	18,4141	0,7885	12,98	1,62
355	Shell-Thin	SLU-ENVE	Max	0	0	0	37,9962	18,6925	1,7279	12,98	5,89
355	Shell-Thin	SLU-ENVE	Max	0	0	0	39,3222	14,8085	1,3281	13,87	5,89
355	Shell-Thin	SLU-ENVE	Max	0	0	0	40,9939	17,4954	0,3918	13,87	1,62
355	Shell-Thin	SLU-ENVE	Min	0	0	0	-15,9448	-6,9534	0,55	2,35	-0,04116
355	Shell-Thin	SLU-ENVE	Min	0	0	0	-22,1625	-8,7797	0,3917	2,35	1,81
355	Shell-Thin	SLU-ENVE	Min	0	0	0	-22,9523	-9,6478	0,1627	4,14	1,81
355	Shell-Thin	SLU-ENVE	Min	0	0	0	-16,2918	-7,5896	0,321	4,14	-0,04116
355	Shell-Thin	SLE-ENVE	Max	0	0	0	21,0487	10,1315	0,4386	6,96	0,9
355	Shell-Thin	SLE-ENVE	Max	0	0	0	20,8727	10,3373	0,9604	6,96	3,27
355	Shell-Thin	SLE-ENVE	Max	0	0	0	21,6094	8,1794	0,7383	7,45	3,27
355	Shell-Thin	SLE-ENVE	Max	0	0	0	22,283	9,6212	0,2179	7,45	0,9
355	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,9711	-3,2826	0,3059	0,8	-0,02297
355	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,2998	-4,2726	0,2179	0,8	1
355	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,7385	-4,7545	0,0905	1,79	1
355	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,1639	-3,6357	0,1785	1,79	-0,02297
380	Shell-Thin	SLU-ENVE	Max	0	0	0	28,8643	8,684	5,6363	63,19	5,25
380	Shell-Thin	SLU-ENVE	Max	0	0	0	4,632	2,5943	7,3658	63,19	6,27
380	Shell-Thin	SLU-ENVE	Max	0	0	0	9,1556	9,1593	6,0591	74,81	6,27
380	Shell-Thin	SLU-ENVE	Max	0	0	0	38,0355	18,7097	4,3297	74,81	5,25
380	Shell-Thin	SLU-ENVE	Min	0	0	0	-20,5484	-6,9254	0,1058	18,74	-24,38
380	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,4466	-8,2943	-0,4456	18,74	-17,45
380	Shell-Thin	SLU-ENVE	Min	0	0	0	-31,3501	-10,665	-0,3838	21,5	-17,45
380	Shell-Thin	SLU-ENVE	Min	0	0	0	-22,1609	-8,7837	0,1676	21,5	-24,38
380	Shell-Thin	SLE-ENVE	Max	0	0	0	15,7998	4,7767	3,1313	34,28	2,91
380	Shell-Thin	SLE-ENVE	Max	0	0	0	2,6697	1,4603	4,0919	34,28	3,48
380	Shell-Thin	SLE-ENVE	Max	0	0	0	5,1823	5,1081	3,3662	40,73	3,48
380	Shell-Thin	SLE-ENVE	Max	0	0	0	20,8946	10,3469	2,4056	40,73	2,91
380	Shell-Thin	SLE-ENVE	Min	0	0	0	-8,4039	-3,2426	0,06	11,29	-13,54
380	Shell-Thin	SLE-ENVE	Min	0	0	0	-13,1292	-4,0711	-0,246	11,29	-9,7
380	Shell-Thin	SLE-ENVE	Min	0	0	0	-14,7415	-5,3883	-0,2121	12,83	-9,7
380	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,2989	-4,2747	0,0939	12,83	-13,54
381	Shell-Thin	SLU-ENVE	Max	0	0	0	38,0335	18,7	3,1657	75,71	6,7
381	Shell-Thin	SLU-ENVE	Max	0	0	0	9,1582	9,1727	3,5864	75,71	5,9
381	Shell-Thin	SLU-ENVE	Max	0	0	0	8,8487	5,6963	1,8234	79,89	5,9
381	Shell-Thin	SLU-ENVE	Max	0	0	0	39,3963	14,8234	1,4028	79,89	6,7



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1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
381	Shell-Thin	SLU-ENVE	Min	0	0	0	-22,16	-8,7792	0,0562	21,57	2,18
381	Shell-Thin	SLU-ENVE	Min	0	0	0	-31,3459	-10,6439	-0,2249	21,57	2,38
381	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,8489	-11,5773	-0,2191	23,05	2,38
381	Shell-Thin	SLU-ENVE	Min	0	0	0	-22,9408	-9,6455	0,0814	23,05	2,18
381	Shell-Thin	SLE-ENVE	Max	0	0	0	20,8935	10,3415	1,7591	41,23	3,72
381	Shell-Thin	SLE-ENVE	Max	0	0	0	5,1838	5,1156	1,9929	41,23	3,28
381	Shell-Thin	SLE-ENVE	Max	0	0	0	5,012	3,1833	1,0136	43,55	3,28
381	Shell-Thin	SLE-ENVE	Max	0	0	0	21,6505	8,1876	0,7798	43,55	3,72
381	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,2985	-4,2723	0,0317	12,86	1,21
381	Shell-Thin	SLE-ENVE	Min	0	0	0	-14,7391	-5,3766	-0,1244	12,86	1,32
381	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,5742	-5,8945	-0,1215	13,68	1,32
381	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,7321	-4,7532	0,0452	13,68	1,21
432	Shell-Thin	SLU-ENVE	Max	0	0	0	-39,3244	-7,968	4,1662	124,68	13,78
432	Shell-Thin	SLU-ENVE	Max	0	0	0	-54,9796	-11,2219	-0,5774	124,68	16
432	Shell-Thin	SLU-ENVE	Max	0	0	0	-63,6812	-11,8963	-0,6411	155,83	16
432	Shell-Thin	SLU-ENVE	Max	0	0	0	-44,6806	-8,9279	4,1024	155,83	13,78
432	Shell-Thin	SLU-ENVE	Min	0	0	0	-47,2219	-9,9149	-5,3601	36,58	10,49
432	Shell-Thin	SLU-ENVE	Min	0	0	0	-91,8215	-18,7452	-8,1296	36,58	6,95
432	Shell-Thin	SLU-ENVE	Min	0	0	0	-112,5852	-20,8153	-6,5973	44,94	6,95
432	Shell-Thin	SLU-ENVE	Min	0	0	0	-54,9357	-12,9851	-3,8278	44,94	10,49
432	Shell-Thin	SLE-ENVE	Max	0	0	0	-20,143	-4,3066	2,3153	67,83	7,65
432	Shell-Thin	SLE-ENVE	Max	0	0	0	-30,0217	-6,1338	-0,32	67,83	8,92
432	Shell-Thin	SLE-ENVE	Max	0	0	0	-34,8483	-6,4912	-0,3572	85,16	8,92
432	Shell-Thin	SLE-ENVE	Max	0	0	0	-23,1238	-4,837	2,2781	85,16	7,65
432	Shell-Thin	SLE-ENVE	Min	0	0	0	-24,6236	-5,1407	-2,9763	23,27	5,83
432	Shell-Thin	SLE-ENVE	Min	0	0	0	-49,8295	-10,174	-4,515	23,27	3,82
432	Shell-Thin	SLE-ENVE	Min	0	0	0	-61,372	-11,3395	-3,6633	27,88	3,82
432	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,9107	-6,8479	-2,1246	27,88	5,83
433	Shell-Thin	SLU-ENVE	Max	0	0	0	-44,7345	-9,5181	2,7956	158,57	4,32
433	Shell-Thin	SLU-ENVE	Max	0	0	0	-63,5649	-11,3149	0,993	158,57	32,58
433	Shell-Thin	SLU-ENVE	Max	0	0	0	-70,6814	-18,3865	-0,8717	190,55	32,58
433	Shell-Thin	SLU-ENVE	Max	0	0	0	-45,642	-9,3852	0,9309	190,55	4,32
433	Shell-Thin	SLU-ENVE	Min	0	0	0	-55,0325	-13,3248	-2,5755	45,3	2,27
433	Shell-Thin	SLU-ENVE	Min	0	0	0	-112,3581	-19,6799	-3,5683	45,3	16,88
433	Shell-Thin	SLU-ENVE	Min	0	0	0	-125,5532	-33,7166	-2,6051	60,82	16,88
433	Shell-Thin	SLU-ENVE	Min	0	0	0	-55,7592	-13,221	-1,6122	60,82	2,27
433	Shell-Thin	SLE-ENVE	Max	0	0	0	-23,1545	-5,1613	1,547	86,67	2,39
433	Shell-Thin	SLE-ENVE	Max	0	0	0	-34,7823	-6,1611	0,5464	86,67	17,95
433	Shell-Thin	SLE-ENVE	Max	0	0	0	-38,7774	-10,1736	-0,4817	104,3	17,95
433	Shell-Thin	SLE-ENVE	Max	0	0	0	-23,638	-5,0959	0,5189	104,3	2,39
433	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,9648	-7,0385	-1,4267	28,1	1,26
433	Shell-Thin	SLE-ENVE	Min	0	0	0	-61,2471	-10,7151	-1,9788	28,1	9,55
433	Shell-Thin	SLE-ENVE	Min	0	0	0	-68,541	-18,4385	-1,4483	36,88	9,55
433	Shell-Thin	SLE-ENVE	Min	0	0	0	-29,3612	-6,9764	-0,8962	36,88	1,26
484	Shell-Thin	SLU-ENVE	Max	0	0	0	-4,9379	1,6434	-12,5362	-102,91	-4,46
484	Shell-Thin	SLU-ENVE	Max	0	0	0	31,8024	11,5664	-11,8161	-102,91	-16,12
484	Shell-Thin	SLU-ENVE	Max	0	0	0	40,0096	21,6554	-9,3495	-118,83	-16,12
484	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,7029	6,8082	-10,0922	-118,83	-4,46
484	Shell-Thin	SLU-ENVE	Min	0	0	0	-31,4	-4,489	-13,8849	-120,77	-13,41
484	Shell-Thin	SLU-ENVE	Min	0	0	0	11,2916	6,2669	-14,0257	-120,77	-23,26
484	Shell-Thin	SLU-ENVE	Min	0	0	0	17,9143	15,9406	-11,3121	-143,22	-23,26
484	Shell-Thin	SLU-ENVE	Min	0	0	0	-33,9603	-1,0152	-11,1713	-143,22	-13,41
484	Shell-Thin	SLE-ENVE	Max	0	0	0	-2,9806	0,8648	-6,9645	-54,88	-2,47

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
484	Shell-Thin	SLE-ENVE	Max	0	0	0	16,5736	6,2046	-6,563	-54,88	-8,95
484	Shell-Thin	SLE-ENVE	Max	0	0	0	21,1328	11,8093	-5,1933	-63,73	-8,95
484	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,7393	3,733	-5,6065	-63,73	-2,47
484	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,5392	-2,3134	-7,7128	-65,63	-7,45
484	Shell-Thin	SLE-ENVE	Min	0	0	0	7,0027	3,6279	-7,7911	-65,63	-12,92
484	Shell-Thin	SLE-ENVE	Min	0	0	0	10,6022	9,0031	-6,284	-79,1	-12,92
484	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,9616	-0,3813	-6,2057	-79,1	-7,45
485	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,7195	6,7254	-6,3902	-120,77	8,67
485	Shell-Thin	SLU-ENVE	Max	0	0	0	40,0142	21,6788	-6,5521	-120,77	8,91
485	Shell-Thin	SLU-ENVE	Max	0	0	0	40,6573	18,1972	-3,0672	-126,43	8,91
485	Shell-Thin	SLU-ENVE	Max	0	0	0	-4,1971	3,3621	-2,9022	-126,43	8,67
485	Shell-Thin	SLU-ENVE	Min	0	0	0	-33,9879	-1,1533	-7,3902	-145,39	-0,28
485	Shell-Thin	SLU-ENVE	Min	0	0	0	17,9181	15,9594	-7,6305	-145,39	1,91
485	Shell-Thin	SLU-ENVE	Min	0	0	0	18,2147	11,8694	-3,7497	-155,92	1,91
485	Shell-Thin	SLU-ENVE	Min	0	0	0	-37,6391	-5,1267	-3,5094	-155,92	-0,28
485	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,7486	3,6863	-3,5504	-64,81	4,82
485	Shell-Thin	SLE-ENVE	Max	0	0	0	21,1354	11,8224	-3,6394	-64,81	4,95
485	Shell-Thin	SLE-ENVE	Max	0	0	0	21,492	9,8889	-1,7026	-67,95	4,95
485	Shell-Thin	SLE-ENVE	Max	0	0	0	-2,5688	1,8185	-1,6135	-67,95	4,82
485	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,9767	-0,4568	-4,1052	-80,3	-0,16
485	Shell-Thin	SLE-ENVE	Min	0	0	0	10,6024	9,0134	-4,2387	-80,3	1,06
485	Shell-Thin	SLE-ENVE	Min	0	0	0	10,8488	6,7401	-2,0827	-86,16	1,06
485	Shell-Thin	SLE-ENVE	Min	0	0	0	-20,007	-2,6655	-1,9492	-86,16	-0,16
510	Shell-Thin	SLU-ENVE	Max	0	0	0	31,7709	11,5601	-9,1689	-48,77	-20,63
510	Shell-Thin	SLU-ENVE	Max	0	0	0	60,3514	20,0173	-6,8801	-48,77	-26,33
510	Shell-Thin	SLU-ENVE	Max	0	0	0	71,2951	33,45	-5,5602	-46,44	-26,33
510	Shell-Thin	SLU-ENVE	Max	0	0	0	39,9444	21,6423	-7,849	-46,44	-20,63
510	Shell-Thin	SLU-ENVE	Min	0	0	0	11,2478	6,2581	-12,7737	-85,38	-24,74
510	Shell-Thin	SLU-ENVE	Min	0	0	0	41,6012	14,8944	-10,5976	-85,38	-33
510	Shell-Thin	SLU-ENVE	Min	0	0	0	51,5717	27,975	-8,328	-97,22	-33
510	Shell-Thin	SLU-ENVE	Min	0	0	0	17,8045	15,9187	-10,5042	-97,22	-24,74
510	Shell-Thin	SLE-ENVE	Max	0	0	0	16,5561	6,2011	-5,0927	-25,12	-11,46
510	Shell-Thin	SLE-ENVE	Max	0	0	0	31,6749	10,7464	-3,8214	-25,12	-14,63
510	Shell-Thin	SLE-ENVE	Max	0	0	0	37,7538	18,4145	-3,0884	-23,82	-14,63
510	Shell-Thin	SLE-ENVE	Max	0	0	0	21,0966	11,8021	-4,3597	-23,82	-11,46
510	Shell-Thin	SLE-ENVE	Min	0	0	0	6,9783	3,623	-7,0957	-45,28	-13,74
510	Shell-Thin	SLE-ENVE	Min	0	0	0	23,7632	8,4053	-5,8869	-45,28	-18,33
510	Shell-Thin	SLE-ENVE	Min	0	0	0	29,3024	15,6726	-4,6263	-51,86	-18,33
510	Shell-Thin	SLE-ENVE	Min	0	0	0	10,5438	8,9909	-5,8351	-51,86	-13,74
511	Shell-Thin	SLU-ENVE	Max	0	0	0	39,9491	21,6657	-5,4911	-48,23	6,22
511	Shell-Thin	SLU-ENVE	Max	0	0	0	71,2942	33,4327	-4,7046	-48,23	2,73
511	Shell-Thin	SLU-ENVE	Max	0	0	0	73,2193	31,9891	-2,1927	-51,92	2,73
511	Shell-Thin	SLU-ENVE	Max	0	0	0	40,5998	18,1857	-2,9804	-51,92	6,22
511	Shell-Thin	SLU-ENVE	Min	0	0	0	17,8083	15,9374	-6,8866	-98,98	0,63
511	Shell-Thin	SLU-ENVE	Min	0	0	0	51,5606	27,9193	-5,9076	-98,98	-2,25
511	Shell-Thin	SLU-ENVE	Min	0	0	0	54,7177	25,9188	-2,7456	-104,28	-2,25
511	Shell-Thin	SLU-ENVE	Min	0	0	0	18,1245	11,8514	-3,7246	-104,28	0,63
511	Shell-Thin	SLE-ENVE	Max	0	0	0	21,0992	11,8151	-3,05	-24,82	3,46
511	Shell-Thin	SLE-ENVE	Max	0	0	0	37,7533	18,3844	-2,6133	-24,82	1,51
511	Shell-Thin	SLE-ENVE	Max	0	0	0	38,8224	17,6032	-1,2178	-26,87	1,51
511	Shell-Thin	SLE-ENVE	Max	0	0	0	21,4603	9,8825	-1,6552	-26,87	3,46
511	Shell-Thin	SLE-ENVE	Min	0	0	0	10,544	9,0012	-3,8255	-52,84	0,35
511	Shell-Thin	SLE-ENVE	Min	0	0	0	29,2962	15,6416	-3,2817	-52,84	-1,25

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
511	Shell-Thin	SLE-ENVE	Min	0	0	0	31,0502	14,5301	-1,5253	-55,79	-1,25
511	Shell-Thin	SLE-ENVE	Min	0	0	0	10,7985	6,73	-2,069	-55,79	0,35
536	Shell-Thin	SLU-ENVE	Max	0	0	0	60,3344	20,0139	-4,2723	-15,08	-24,81
536	Shell-Thin	SLU-ENVE	Max	0	0	0	72,1872	24,2352	-1,3437	-15,08	-22,98
536	Shell-Thin	SLU-ENVE	Max	0	0	0	84,8354	40,6162	-0,9194	-9,19	-22,98
536	Shell-Thin	SLU-ENVE	Max	0	0	0	71,2847	33,4348	-3,848	-9,19	-24,81
536	Shell-Thin	SLU-ENVE	Min	0	0	0	41,5832	14,8908	-6,893	-37,61	-35,69
536	Shell-Thin	SLU-ENVE	Min	0	0	0	48,8208	17,3931	-3,3626	-37,61	-39,82
536	Shell-Thin	SLU-ENVE	Min	0	0	0	58,0691	30,2561	-2,4714	-42,04	-39,82
536	Shell-Thin	SLU-ENVE	Min	0	0	0	51,5821	27,9771	-5,9079	-42,04	-35,69
536	Shell-Thin	SLE-ENVE	Max	0	0	0	31,6654	10,7445	-2,3739	-6,76	-13,78
536	Shell-Thin	SLE-ENVE	Max	0	0	0	38,0897	13,0585	-0,7469	-6,76	-12,77
536	Shell-Thin	SLE-ENVE	Max	0	0	0	45,1157	22,1595	-0,5113	-3,48	-12,77
536	Shell-Thin	SLE-ENVE	Max	0	0	0	37,7481	18,4048	-2,1383	-3,48	-13,78
536	Shell-Thin	SLE-ENVE	Min	0	0	0	23,7533	8,4033	-3,8291	-18,54	-19,83
536	Shell-Thin	SLE-ENVE	Min	0	0	0	27,5903	9,7565	-1,8681	-18,54	-22,12
536	Shell-Thin	SLE-ENVE	Min	0	0	0	32,7282	16,9029	-1,3732	-20,99	-22,12
536	Shell-Thin	SLE-ENVE	Min	0	0	0	29,3081	15,6737	-3,282	-20,99	-19,83
537	Shell-Thin	SLU-ENVE	Max	0	0	0	71,2838	33,4306	-2,5807	-10,25	2,18
537	Shell-Thin	SLU-ENVE	Max	0	0	0	84,8297	40,588	-1,2296	-10,25	-0,65
537	Shell-Thin	SLU-ENVE	Max	0	0	0	88,0419	39,4314	-0,4329	-12,6	-0,65
537	Shell-Thin	SLU-ENVE	Max	0	0	0	73,1848	31,9806	-1,784	-12,6	2,18
537	Shell-Thin	SLU-ENVE	Min	0	0	0	51,5709	27,9214	-3,601	-42,86	-2,66
537	Shell-Thin	SLU-ENVE	Min	0	0	0	58,0614	30,2181	-2,1386	-42,86	-9,04
537	Shell-Thin	SLU-ENVE	Min	0	0	0	61,007	30,0023	-1,0785	-42,52	-9,04
537	Shell-Thin	SLU-ENVE	Min	0	0	0	54,6648	25,9083	-2,2095	-42,52	-2,66
537	Shell-Thin	SLE-ENVE	Max	0	0	0	37,7476	18,3747	-1,4343	-4,07	1,21
537	Shell-Thin	SLE-ENVE	Max	0	0	0	45,1126	22,1438	-0,6837	-4,07	-0,36
537	Shell-Thin	SLE-ENVE	Max	0	0	0	46,8968	21,5017	-0,2411	-5,36	-0,36
537	Shell-Thin	SLE-ENVE	Max	0	0	0	38,8032	17,5985	-0,9917	-5,36	1,21
537	Shell-Thin	SLE-ENVE	Min	0	0	0	29,3019	15,6428	-2,0005	-21,45	-1,48
537	Shell-Thin	SLE-ENVE	Min	0	0	0	32,724	16,8818	-1,1882	-21,45	-5,02
537	Shell-Thin	SLE-ENVE	Min	0	0	0	34,3603	16,7621	-0,5994	-21,26	-5,02
537	Shell-Thin	SLE-ENVE	Min	0	0	0	31,0208	14,5243	-1,2275	-21,26	-1,48
562	Shell-Thin	SLU-ENVE	Max	0	0	0	72,1919	24,2361	1,9206	21,91	-23,23
562	Shell-Thin	SLU-ENVE	Max	0	0	0	65,7719	22,4673	4,2905	21,91	-22,99
562	Shell-Thin	SLU-ENVE	Max	0	0	0	73,8015	34,9271	3,5928	29,15	-22,99
562	Shell-Thin	SLU-ENVE	Max	0	0	0	84,8607	40,6213	1,232	29,15	-23,23
562	Shell-Thin	SLU-ENVE	Min	0	0	0	48,8306	17,395	-1,7789	-8,55	-38,97
562	Shell-Thin	SLU-ENVE	Min	0	0	0	38,5663	14,8544	-0,1623	-8,55	-32,11
562	Shell-Thin	SLU-ENVE	Min	0	0	0	44,2261	24,6702	0,1937	-16,2	-32,11
562	Shell-Thin	SLU-ENVE	Min	0	0	0	58,1103	30,2643	-1,4229	-16,2	-38,97
562	Shell-Thin	SLE-ENVE	Max	0	0	0	38,0923	13,059	1,0665	13,32	-12,9
562	Shell-Thin	SLE-ENVE	Max	0	0	0	33,0145	11,7732	2,3829	13,32	-12,77
562	Shell-Thin	SLE-ENVE	Max	0	0	0	37,4746	18,7985	1,9954	18,13	-12,77
562	Shell-Thin	SLE-ENVE	Max	0	0	0	45,1298	22,1623	0,6839	18,13	-12,9
562	Shell-Thin	SLE-ENVE	Min	0	0	0	27,5957	9,7576	-0,9889	-3,49	-21,65
562	Shell-Thin	SLE-ENVE	Min	0	0	0	21,3192	8,231	-0,0912	-3,49	-17,84
562	Shell-Thin	SLE-ENVE	Min	0	0	0	24,4636	13,6846	0,1067	-7,73	-17,84
562	Shell-Thin	SLE-ENVE	Min	0	0	0	32,7512	16,9075	-0,7911	-7,73	-21,65
563	Shell-Thin	SLU-ENVE	Max	0	0	0	84,8551	40,593	0,7841	29,33	-0,28
563	Shell-Thin	SLU-ENVE	Max	0	0	0	73,7946	34,8889	1,7937	29,33	-4,2
563	Shell-Thin	SLU-ENVE	Max	0	0	0	76,5333	36,2136	1,0085	30,9	-4,2

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
563	Shell-Thin	SLU-ENVE	Max	0	0	0	88,0591	39,4349	-0,0011	30,9	-0,28
563	Shell-Thin	SLU-ENVE	Min	0	0	0	58,1027	30,2263	-0,6003	-15,94	-9,17
563	Shell-Thin	SLU-ENVE	Min	0	0	0	44,2208	24,6435	0,5	-15,94	-9,06
563	Shell-Thin	SLU-ENVE	Min	0	0	0	46,3781	26,1139	0,5082	-14,53	-9,06
563	Shell-Thin	SLU-ENVE	Min	0	0	0	61,042	30,0093	-0,597	-14,53	-9,17
563	Shell-Thin	SLE-ENVE	Max	0	0	0	45,1267	22,1466	0,435	18,14	-0,16
563	Shell-Thin	SLE-ENVE	Max	0	0	0	37,4708	18,7773	0,9958	18,14	-2,33
563	Shell-Thin	SLE-ENVE	Max	0	0	0	38,992	19,5138	0,5596	18,31	-2,33
563	Shell-Thin	SLE-ENVE	Max	0	0	0	46,9064	21,5036	-0,0012	18,31	-0,16
563	Shell-Thin	SLE-ENVE	Min	0	0	0	32,7469	16,8864	-0,334	-7,59	-5,1
563	Shell-Thin	SLE-ENVE	Min	0	0	0	24,4606	13,6697	0,2771	-7,59	-5,04
563	Shell-Thin	SLE-ENVE	Min	0	0	0	25,6592	14,4874	0,2819	-6,81	-5,04
563	Shell-Thin	SLE-ENVE	Min	0	0	0	34,3798	16,766	-0,3318	-6,81	-5,1
588	Shell-Thin	SLU-ENVE	Max	0	0	0	65,7611	22,4651	7,0342	52,12	-21,51
588	Shell-Thin	SLU-ENVE	Max	0	0	0	54,3208	18,6585	8,4579	52,12	-14,13
588	Shell-Thin	SLU-ENVE	Max	0	0	0	65,0735	31,9106	6,8693	62,86	-14,13
588	Shell-Thin	SLU-ENVE	Max	0	0	0	73,6318	34,9606	5,4456	62,86	-21,51
588	Shell-Thin	SLU-ENVE	Min	0	0	0	38,5855	14,8582	2,5583	23,07	-30,35
588	Shell-Thin	SLU-ENVE	Min	0	0	0	18,3811	9,2452	4,8918	23,07	-32,13
588	Shell-Thin	SLU-ENVE	Min	0	0	0	20,2587	15,3889	4,292	17,49	-32,13
588	Shell-Thin	SLU-ENVE	Min	0	0	0	44,327	24,6904	1,9906	17,49	-30,35
588	Shell-Thin	SLE-ENVE	Max	0	0	0	33,0085	11,772	3,9069	30,61	-11,95
588	Shell-Thin	SLE-ENVE	Max	0	0	0	26,1966	9,5664	4,6977	30,61	-7,85
588	Shell-Thin	SLE-ENVE	Max	0	0	0	32,1707	16,9297	3,8153	36,57	-7,85
588	Shell-Thin	SLE-ENVE	Max	0	0	0	37,3803	18,8171	3,0245	36,57	-11,95
588	Shell-Thin	SLE-ENVE	Min	0	0	0	21,3299	8,2331	1,4199	14,1	-16,86
588	Shell-Thin	SLE-ENVE	Min	0	0	0	9,1405	4,921	2,7161	14,1	-17,85
588	Shell-Thin	SLE-ENVE	Min	0	0	0	10,1845	8,3352	2,3832	11	-17,85
588	Shell-Thin	SLE-ENVE	Min	0	0	0	24,5196	13,6958	1,1047	11	-16,86
589	Shell-Thin	SLU-ENVE	Max	0	0	0	73,6248	34,9224	3,4697	63,87	-4,16
589	Shell-Thin	SLU-ENVE	Max	0	0	0	65,0725	31,9058	4,4709	63,87	2,4
589	Shell-Thin	SLU-ENVE	Max	0	0	0	66,8459	29,6664	2,3862	64,24	2,4
589	Shell-Thin	SLU-ENVE	Max	0	0	0	76,5937	36,2127	1,3851	64,24	-4,16
589	Shell-Thin	SLU-ENVE	Min	0	0	0	44,3216	24,6636	2,2648	18,65	-8,9
589	Shell-Thin	SLU-ENVE	Min	0	0	0	20,2506	15,3481	3,3026	18,65	-7,23
589	Shell-Thin	SLU-ENVE	Min	0	0	0	22,0227	17,4369	1,975	21,17	-7,23
589	Shell-Thin	SLU-ENVE	Min	0	0	0	46,4007	26,1184	1,1399	21,17	-8,9
589	Shell-Thin	SLE-ENVE	Max	0	0	0	37,3764	18,7959	1,927	37,13	-2,31
589	Shell-Thin	SLE-ENVE	Max	0	0	0	32,1701	16,927	2,483	37,13	1,33
589	Shell-Thin	SLE-ENVE	Max	0	0	0	33,1545	15,6833	1,325	37,34	1,33
589	Shell-Thin	SLE-ENVE	Max	0	0	0	39,0256	19,5133	0,769	37,34	-2,31
589	Shell-Thin	SLE-ENVE	Min	0	0	0	24,5166	13,6809	1,2573	11,64	-4,94
589	Shell-Thin	SLE-ENVE	Min	0	0	0	10,1799	8,3124	1,8336	11,64	-4,01
589	Shell-Thin	SLE-ENVE	Min	0	0	0	11,1635	9,4732	1,0961	12,99	-4,01
589	Shell-Thin	SLE-ENVE	Min	0	0	0	25,6718	14,4899	0,6325	12,99	-4,94
614	Shell-Thin	SLU-ENVE	Max	0	0	0	54,3409	18,6625	9,2453	83,93	-13,03
614	Shell-Thin	SLU-ENVE	Max	0	0	0	22,0182	9,2918	11,5107	83,93	-9,81
614	Shell-Thin	SLU-ENVE	Max	0	0	0	29,8207	18,8444	9,3872	96,88	-9,81
614	Shell-Thin	SLU-ENVE	Max	0	0	0	65,09	31,9139	7,531	96,88	-13,03
614	Shell-Thin	SLU-ENVE	Min	0	0	0	18,3974	9,2484	7,2113	48,33	-31,03
614	Shell-Thin	SLU-ENVE	Min	0	0	0	-4,4842	2,4175	7,6255	48,33	-23,5
614	Shell-Thin	SLU-ENVE	Min	0	0	0	-2,4258	6,9498	6,3429	47,94	-23,5
614	Shell-Thin	SLU-ENVE	Min	0	0	0	20,2612	15,3894	5,8201	47,94	-31,03

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
614	Shell-Thin	SLE-ENVE	Max	0	0	0	26,2079	9,5686	5,135	47,18	-7,24
614	Shell-Thin	SLE-ENVE	Max	0	0	0	7,4614	4,207	6,3943	47,18	-5,44
614	Shell-Thin	SLE-ENVE	Max	0	0	0	11,7983	9,5105	5,2142	54,37	-5,44
614	Shell-Thin	SLE-ENVE	Max	0	0	0	32,1797	16,9315	4,1828	54,37	-7,24
614	Shell-Thin	SLE-ENVE	Min	0	0	0	9,1497	4,9229	4,005	29,56	-17,24
614	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,9183	0,8579	4,2376	29,56	-13,05
614	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,7723	3,37	3,524	29,34	-13,05
614	Shell-Thin	SLE-ENVE	Min	0	0	0	10,1856	8,3354	3,2319	29,34	-17,24
615	Shell-Thin	SLU-ENVE	Max	0	0	0	65,0891	31,9092	5,5913	98,15	2,99
615	Shell-Thin	SLU-ENVE	Max	0	0	0	29,833	18,9056	6,0674	98,15	5,65
615	Shell-Thin	SLU-ENVE	Max	0	0	0	29,9866	15,4047	3,4633	99,51	5,65
615	Shell-Thin	SLU-ENVE	Max	0	0	0	66,8845	29,6741	2,9873	99,51	2,99
615	Shell-Thin	SLU-ENVE	Min	0	0	0	20,253	15,3486	4,3966	49,42	-6,2
615	Shell-Thin	SLU-ENVE	Min	0	0	0	-2,4166	6,9958	4,665	49,42	0,37
615	Shell-Thin	SLU-ENVE	Min	0	0	0	-2,6243	6,5424	2,6267	53,48	0,37
615	Shell-Thin	SLU-ENVE	Min	0	0	0	22,0781	17,448	2,2759	53,48	-6,2
615	Shell-Thin	SLE-ENVE	Max	0	0	0	32,1792	16,9288	3,1051	55,08	1,66
615	Shell-Thin	SLE-ENVE	Max	0	0	0	11,8053	9,5453	3,3692	55,08	3,12
615	Shell-Thin	SLE-ENVE	Max	0	0	0	11,8906	7,6077	1,923	55,84	3,12
615	Shell-Thin	SLE-ENVE	Max	0	0	0	33,1761	15,6876	1,6588	55,84	1,66
615	Shell-Thin	SLE-ENVE	Min	0	0	0	10,1811	8,3126	2,4411	30,16	-3,45
615	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,7669	3,3967	2,5895	30,16	0,18
615	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,8825	3,156	1,4574	32,42	0,18
615	Shell-Thin	SLE-ENVE	Min	0	0	0	11,1945	9,4794	1,2633	32,42	-3,45
640	Shell-Thin	SLU-ENVE	Max	0	0	0	22,02	9,2922	12,7762	119,57	-8,71
640	Shell-Thin	SLU-ENVE	Max	0	0	0	-35,2884	-5,4857	12,5229	119,57	0,74
640	Shell-Thin	SLU-ENVE	Max	0	0	0	-38,6886	-3,4292	10,0463	142,32	0,74
640	Shell-Thin	SLU-ENVE	Max	0	0	0	29,9945	18,8792	10,29	142,32	-8,71
640	Shell-Thin	SLU-ENVE	Min	0	0	0	-4,4873	2,4169	8,0705	73,38	-20,11
640	Shell-Thin	SLU-ENVE	Min	0	0	0	-41,5508	-6,9857	7,8864	73,38	-5,05
640	Shell-Thin	SLU-ENVE	Min	0	0	0	-47,573	-6,502	6,4245	81,1	-5,05
640	Shell-Thin	SLU-ENVE	Min	0	0	0	-2,3983	6,9553	6,6087	81,1	-20,11
640	Shell-Thin	SLE-ENVE	Max	0	0	0	7,4617	4,207	7,0977	66,99	-4,83
640	Shell-Thin	SLE-ENVE	Max	0	0	0	-24,6578	-4,0565	6,9569	66,99	0,42
640	Shell-Thin	SLE-ENVE	Max	0	0	0	-26,5532	-2,9161	5,5827	79,65	0,42
640	Shell-Thin	SLE-ENVE	Max	0	0	0	11,8975	9,5304	5,7185	79,65	-4,83
640	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,9212	0,8573	4,485	44,24	-11,17
640	Shell-Thin	SLE-ENVE	Min	0	0	0	-27,8352	-4,7122	4,3822	44,24	-2,8
640	Shell-Thin	SLE-ENVE	Min	0	0	0	-31,1889	-4,5631	3,5722	48,57	-2,8
640	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,7529	3,3739	3,675	48,57	-11,17
641	Shell-Thin	SLU-ENVE	Max	0	0	0	30,0068	18,9404	6,5716	144,5	7,37
641	Shell-Thin	SLU-ENVE	Max	0	0	0	-38,7434	-3,703	6,554	144,5	7,51
641	Shell-Thin	SLU-ENVE	Max	0	0	0	-40,2869	-6,5526	3,0285	147,1	7,51
641	Shell-Thin	SLU-ENVE	Max	0	0	0	29,763	15,3599	3,1872	147,1	7,37
641	Shell-Thin	SLU-ENVE	Min	0	0	0	-2,3891	7,0013	4,7419	82,95	1,72
641	Shell-Thin	SLU-ENVE	Min	0	0	0	-47,6232	-6,7532	4,3688	82,95	1,5
641	Shell-Thin	SLU-ENVE	Min	0	0	0	-48,6389	-7,9571	2,0295	86,09	1,5
641	Shell-Thin	SLU-ENVE	Min	0	0	0	-2,7737	6,5125	2,4026	86,09	1,72
641	Shell-Thin	SLE-ENVE	Max	0	0	0	11,9044	9,5651	3,6505	80,88	4,08
641	Shell-Thin	SLE-ENVE	Max	0	0	0	-26,5849	-3,0749	3,6451	80,88	4,18
641	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,4157	-4,6667	1,6804	82,25	4,18
641	Shell-Thin	SLE-ENVE	Max	0	0	0	11,7591	7,5814	1,7664	82,25	4,08
641	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,7476	3,4006	2,6346	49,63	0,93

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
641	Shell-Thin	SLE-ENVE	Min	0	0	0	-31,2184	-4,7106	2,4327	49,63	0,85
641	Shell-Thin	SLE-ENVE	Min	0	0	0	-31,7506	-5,2791	1,1249	51,26	0,85
641	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,9768	3,1372	1,3268	51,26	0,93
666	Shell-Thin	SLU-ENVE	Max	0	0	0	-35,2236	-5,4727	11,3408	155,81	6,37
666	Shell-Thin	SLU-ENVE	Max	0	0	0	-65,9915	-13,3962	9,6432	155,81	9,38
666	Shell-Thin	SLU-ENVE	Max	0	0	0	-74,6717	-14,0909	7,5242	192,71	9,38
666	Shell-Thin	SLU-ENVE	Max	0	0	0	-38,6892	-3,4293	9,2218	192,71	6,37
666	Shell-Thin	SLU-ENVE	Min	0	0	0	-41,5028	-6,9783	7,1476	107,87	1,55
666	Shell-Thin	SLU-ENVE	Min	0	0	0	-73,2973	-14,9106	6,0356	107,87	5,84
666	Shell-Thin	SLU-ENVE	Min	0	0	0	-85,7905	-16,1381	4,749	135,21	5,84
666	Shell-Thin	SLU-ENVE	Min	0	0	0	-47,7231	-6,532	5,8609	135,21	1,55
666	Shell-Thin	SLE-ENVE	Max	0	0	0	-24,6207	-4,0491	6,2969	87,26	3,54
666	Shell-Thin	SLE-ENVE	Max	0	0	0	-41,8558	-8,4936	5,3539	87,26	5,14
666	Shell-Thin	SLE-ENVE	Max	0	0	0	-46,6521	-8,8263	4,1818	107,64	5,14
666	Shell-Thin	SLE-ENVE	Max	0	0	0	-26,5572	-2,9169	5,1248	107,64	3,54
666	Shell-Thin	SLE-ENVE	Min	0	0	0	-27,8073	-4,7078	3,966	64,01	0,87
666	Shell-Thin	SLE-ENVE	Min	0	0	0	-45,848	-9,3155	3,348	64,01	3,14
666	Shell-Thin	SLE-ENVE	Min	0	0	0	-52,8721	-9,9846	2,641	79,02	3,14
666	Shell-Thin	SLE-ENVE	Min	0	0	0	-31,2768	-4,5807	3,259	79,02	0,87
667	Shell-Thin	SLU-ENVE	Max	0	0	0	-38,744	-3,7031	6,2116	195,24	9,12
667	Shell-Thin	SLU-ENVE	Max	0	0	0	-74,537	-13,4174	5,5001	195,24	21,35
667	Shell-Thin	SLU-ENVE	Max	0	0	0	-79,8318	-20,4353	2,0322	222,82	21,35
667	Shell-Thin	SLU-ENVE	Max	0	0	0	-39,8133	-6,4579	2,8227	222,82	9,12
667	Shell-Thin	SLU-ENVE	Min	0	0	0	-47,7733	-6,7832	4,0749	137,18	4,38
667	Shell-Thin	SLU-ENVE	Min	0	0	0	-85,6239	-15,3052	3,5522	137,18	16,13
667	Shell-Thin	SLU-ENVE	Min	0	0	0	-93,585	-24,3799	0,9278	152,14	16,13
667	Shell-Thin	SLU-ENVE	Min	0	0	0	-48,164	-7,8862	1,4504	152,14	4,38
667	Shell-Thin	SLE-ENVE	Max	0	0	0	-26,5889	-3,0757	3,4738	109,08	5,08
667	Shell-Thin	SLE-ENVE	Max	0	0	0	-46,5719	-8,4253	3,072	109,08	12,15
667	Shell-Thin	SLE-ENVE	Max	0	0	0	-49,6717	-12,5983	1,122	124,98	12,15
667	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,1414	-4,6118	1,5642	124,98	5,08
667	Shell-Thin	SLE-ENVE	Min	0	0	0	-31,3063	-4,7282	2,293	80,18	2,46
667	Shell-Thin	SLE-ENVE	Min	0	0	0	-52,776	-9,5043	1,9987	80,18	9,52
667	Shell-Thin	SLE-ENVE	Min	0	0	0	-57,3016	-14,6759	0,5065	89,37	9,52
667	Shell-Thin	SLE-ENVE	Min	0	0	0	-31,4732	-5,2363	0,8009	89,37	2,46
692	Shell-Thin	SLU-ENVE	Max	0	0	0	-65,996	-13,3971	6,9515	-50,21	11,43
692	Shell-Thin	SLU-ENVE	Max	0	0	0	-51,547	-10,9062	4,7349	-50,21	14,53
692	Shell-Thin	SLU-ENVE	Max	0	0	0	-56,6997	-12,3783	3,2497	-57,45	14,53
692	Shell-Thin	SLU-ENVE	Max	0	0	0	-74,6302	-14,0826	5,4662	-57,45	11,43
692	Shell-Thin	SLU-ENVE	Min	0	0	0	-73,3031	-14,9118	4,2668	-63,91	6,94
692	Shell-Thin	SLU-ENVE	Min	0	0	0	-59,5949	-12,8324	2,8751	-63,91	8,51
692	Shell-Thin	SLU-ENVE	Min	0	0	0	-69,0574	-15,6672	1,9252	-84,61	8,51
692	Shell-Thin	SLU-ENVE	Min	0	0	0	-85,7394	-16,1279	3,3168	-84,61	6,94
692	Shell-Thin	SLE-ENVE	Max	0	0	0	-41,8586	-8,4941	3,8662	-32,37	6,28
692	Shell-Thin	SLE-ENVE	Max	0	0	0	-32,7338	-6,8771	2,6351	-32,37	8,08
692	Shell-Thin	SLE-ENVE	Max	0	0	0	-35,6154	-7,7025	1,8032	-36,24	8,08
692	Shell-Thin	SLE-ENVE	Max	0	0	0	-46,628	-8,8215	3,0343	-36,24	6,28
692	Shell-Thin	SLE-ENVE	Min	0	0	0	-45,8514	-9,3162	2,3765	-39,58	3,75
692	Shell-Thin	SLE-ENVE	Min	0	0	0	-37,2162	-7,95	1,6033	-39,58	4,74
692	Shell-Thin	SLE-ENVE	Min	0	0	0	-42,4836	-9,5296	1,0654	-50,99	4,74
692	Shell-Thin	SLE-ENVE	Min	0	0	0	-52,843	-9,9788	1,8386	-50,99	3,75
693	Shell-Thin	SLU-ENVE	Max	0	0	0	-74,4955	-13,4091	2,6068	-58,65	21,33
693	Shell-Thin	SLU-ENVE	Max	0	0	0	-56,7219	-12,4893	1,806	-58,65	5,19

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
693	Shell-Thin	SLU-ENVE	Max	0	0	0	-57,6561	-13,146	1,5253	-89,2	5,19
693	Shell-Thin	SLU-ENVE	Max	0	0	0	-79,918	-20,4526	2,3262	-89,2	21,33
693	Shell-Thin	SLU-ENVE	Min	0	0	0	-85,5729	-15,295	1,4746	-86,55	16,09
693	Shell-Thin	SLU-ENVE	Min	0	0	0	-69,0861	-15,8104	0,9727	-86,55	3,32
693	Shell-Thin	SLU-ENVE	Min	0	0	0	-70,5661	-16,43	1,064	-108,69	3,32
693	Shell-Thin	SLU-ENVE	Min	0	0	0	-93,6816	-24,4028	1,5659	-108,69	16,09
693	Shell-Thin	SLE-ENVE	Max	0	0	0	-46,5477	-8,4205	1,4302	-36,97	12,14
693	Shell-Thin	SLE-ENVE	Max	0	0	0	-35,6286	-7,7686	0,9844	-36,97	2,87
693	Shell-Thin	SLE-ENVE	Max	0	0	0	-36,0515	-8,1229	0,8551	-54,85	2,87
693	Shell-Thin	SLE-ENVE	Max	0	0	0	-49,7231	-12,6086	1,3009	-54,85	12,14
693	Shell-Thin	SLE-ENVE	Min	0	0	0	-52,7469	-9,4985	0,7915	-52,11	9,5
693	Shell-Thin	SLE-ENVE	Min	0	0	0	-42,5001	-9,6121	0,5112	-52,11	1,83
693	Shell-Thin	SLE-ENVE	Min	0	0	0	-43,2586	-9,9483	0,6025	-64,94	1,83
693	Shell-Thin	SLE-ENVE	Min	0	0	0	-57,3576	-14,689	0,8828	-64,94	9,5
707	Shell-Thin	SLU-ENVE	Max	0	0	0	0,0092	2,4021	0,0774	6,9	0,9
707	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,0005	1,5738	0,0879	6,9	-0,09531
707	Shell-Thin	SLU-ENVE	Max	0	0	0	-1,9952	1,6056	0,0257	6,88	-0,09531
707	Shell-Thin	SLU-ENVE	Max	0	0	0	-0,0104	2,1728	0,0152	6,88	0,9
707	Shell-Thin	SLU-ENVE	Min	0	0	0	-0,0019	-3,9782	-0,1218	4,27	0,77
707	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,6786	-4,2776	-0,1096	4,27	-0,15
707	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,6767	-4,2598	0,0036	4,22	-0,15
707	Shell-Thin	SLU-ENVE	Min	0	0	0	-0,0109	-4,1775	-0,0086	4,22	0,77
707	Shell-Thin	SLE-ENVE	Max	0	0	0	0,0056	1,3382	0,0388	4,71	0,59
707	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5478	0,7833	0,0458	4,71	-0,06719
707	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5445	0,8041	0,0125	4,69	-0,06719
707	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0069	1,1871	0,0055	4,69	0,59
707	Shell-Thin	SLE-ENVE	Min	0	0	0	-	-2,2148	-0,0715	3,24	0,52
							0,0005383				
707	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4838	-2,4741	-0,0634	3,24	-0,09725
707	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4822	-2,4614	0,0012	3,21	-0,09725
707	Shell-Thin	SLE-ENVE	Min	0	0	0	-0,0072	-2,3495	-0,0068	3,21	0,52
708	Shell-Thin	SLU-ENVE	Max	0	0	0	-0,0107	2,1714	0,1369	6,92	-0,9
708	Shell-Thin	SLU-ENVE	Max	0	0	0	-1,9949	1,6072	0,1118	6,92	0,36
708	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,0139	1,5218	0,2152	6,93	0,36
708	Shell-Thin	SLU-ENVE	Max	0	0	0	0,012	2,4025	0,2403	6,93	-0,9
708	Shell-Thin	SLU-ENVE	Min	0	0	0	-0,0114	-4,18	-0,0192	4,24	-1,53
708	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,6762	-4,2572	-0,0298	4,24	-0,25
708	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,6632	-4,1829	-0,0968	4,32	-0,25
708	Shell-Thin	SLU-ENVE	Min	0	0	0	0,0094	-3,785	-0,0862	4,32	-1,53
708	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0071	1,1861	0,0788	4,72	-0,62
708	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5443	0,8053	0,0634	4,72	0,22
708	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5555	0,7539	0,1218	4,73	0,22
708	Shell-Thin	SLE-ENVE	Max	0	0	0	0,0079	1,346	0,1372	4,73	-0,62
708	Shell-Thin	SLE-ENVE	Min	0	0	0	-0,0075	-2,3511	-0,0093	3,22	-0,97
708	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4819	-2,4597	-0,0167	3,22	-0,12
708	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4754	-2,4229	-0,0535	3,27	-0,12
708	Shell-Thin	SLE-ENVE	Min	0	0	0	0,0065	-2,1005	-0,046	3,27	-0,97
709	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,0051	1,5729	0,0962	16,28	-0,08287
709	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,0147	0,0347	0,0979	16,28	-0,08258
709	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,014	0,0544	0,0267	16,28	-0,08258
709	Shell-Thin	SLU-ENVE	Max	0	0	0	-1,991	1,6064	0,025	16,28	-0,08287
709	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,6766	-4,2772	-0,1	12,3	-0,14
709	Shell-Thin	SLU-ENVE	Min	0	0	0	-12,0213	-5,4711	-0,0969	12,3	-0,17

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
709	Shell-Thin	SLU-ENVE	Min	0	0	0	-12,011	-5,431	0,0043	12,33	-0,17
709	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,6676	-4,258	0,0011	12,33	-0,14
709	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5506	0,7828	0,0512	10,86	-0,05905
709	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,7945	-0,2516	0,0523	10,86	-0,06298
709	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,7932	-0,2364	0,0132	10,86	-0,06298
709	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5416	0,8047	0,012	10,86	-0,05905
709	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,483	-2,474	-0,0571	8,64	-0,09011
709	Shell-Thin	SLE-ENVE	Min	0	0	0	-8,0268	-3,315	-0,0551	8,64	-0,1
709	Shell-Thin	SLE-ENVE	Min	0	0	0	-8,0207	-3,29	0,0018	8,66	-0,1
709	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4765	-2,4602	-	8,66	-0,09011
									0,000184		
710	Shell-Thin	SLU-ENVE	Max	0	0	0	-1,9906	1,608	0,1041	16,28	0,39
710	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,0147	0,0509	0,106	16,28	0,24
710	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,0502	-0,0017	0,2089	16,21	0,24
710	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,0235	1,5199	0,2071	16,21	0,39
710	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,6671	-4,2554	-0,0378	12,33	-0,29
710	Shell-Thin	SLU-ENVE	Min	0	0	0	-12,012	-5,4361	-0,0546	12,33	-0,37
710	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,9766	-5,3455	-0,1242	12,33	-0,37
710	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,6655	-4,1834	-0,1075	12,33	-0,29
710	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5413	0,8058	0,0584	10,86	0,23
710	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,7937	-0,2389	0,0585	10,86	0,15
710	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,8153	-0,2703	0,1167	10,82	0,15
710	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5616	0,7527	0,1165	10,82	0,23
710	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4761	-2,4585	-0,0219	8,66	-0,14
710	Shell-Thin	SLE-ENVE	Min	0	0	0	-8,0213	-3,2932	-0,0323	8,66	-0,2
710	Shell-Thin	SLE-ENVE	Min	0	0	0	-8,0027	-3,2444	-0,0705	8,66	-0,2
710	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4776	-2,4233	-0,0601	8,66	-0,14
711	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,0145	0,0347	0,1065	26,99	-0,07864
711	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,3589	-2,4218	0,1094	26,99	0,8
711	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,3642	-2,5375	0,0197	27,04	0,8
711	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,0217	0,0529	0,0179	27,04	-0,07864
711	Shell-Thin	SLU-ENVE	Min	0	0	0	-12,0084	-5,4685	-0,1091	21,07	-0,15
711	Shell-Thin	SLU-ENVE	Min	0	0	0	-25,7508	-7,5068	-0,1078	21,07	0,46
711	Shell-Thin	SLU-ENVE	Min	0	0	0	-25,779	-7,707	0,0147	21,06	0,46
711	Shell-Thin	SLU-ENVE	Min	0	0	0	-12,0093	-5,4307	0,0118	21,06	-0,15
711	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,7939	-0,2515	0,0574	17,28	-0,06006
711	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,6818	-1,8354	0,0594	17,28	0,5
711	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,6868	-1,9198	0,0096	17,31	0,5
711	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,7982	-0,2374	0,0082	17,31	-0,06006
711	Shell-Thin	SLE-ENVE	Min	0	0	0	-8,0192	-3,3135	-0,0618	13,99	-0,09649
711	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,7966	-4,6658	-0,0608	13,99	0,33
711	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,8133	-4,7914	0,0061	13,99	0,33
711	Shell-Thin	SLE-ENVE	Min	0	0	0	-8,0203	-3,2899	0,0042	13,99	-0,09649
712	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,0225	0,0494	0,1083	26,97	0,29
712	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,3613	-2,5234	0,1464	26,97	-0,38
712	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,427	-2,4063	0,2862	26,78	-0,38
712	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,0468	-	0,2481	26,78	0,29
									0,0009739		
712	Shell-Thin	SLU-ENVE	Min	0	0	0	-12,0103	-5,4358	-0,0669	21,03	-0,45
712	Shell-Thin	SLU-ENVE	Min	0	0	0	-25,7748	-7,6858	-0,1099	21,03	-1,87
712	Shell-Thin	SLU-ENVE	Min	0	0	0	-25,6268	-7,2362	-0,1968	21,11	-1,87
712	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,9582	-5,3418	-0,1538	21,11	-0,45
712	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,7987	-0,2399	0,0592	17,26	0,17



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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
712	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,6848	-1,9097	0,0786	17,26	-0,33
712	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,7204	-1,8144	0,1574	17,16	-0,33
712	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,8124	-0,2698	0,138	17,16	0,17
712	Shell-Thin	SLE-ENVE	Min	0	0	0	-8,0209	-3,2932	-0,0401	13,96	-0,24
712	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,8106	-4,7779	-0,0661	13,96	-1,12
712	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,7289	-4,5068	-0,1135	14,01	-1,12
712	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,9917	-3,2422	-0,0875	14,01	-0,24
713	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,4903	-2,4481	0,1684	35,61	1,4
713	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,0698	-6,0075	-0,1684	35,61	-1,59
713	Shell-Thin	SLU-ENVE	Max	0	0	0	-33,1836	-5,4405	-0,2499	40,83	-1,59
713	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,078	-2,4803	0,2284	40,83	1,4
713	Shell-Thin	SLU-ENVE	Min	0	0	0	-25,9551	-7,5476	-0,1153	27,48	0,8
713	Shell-Thin	SLU-ENVE	Min	0	0	0	-44,4467	-10,453	-0,7084	27,48	-3,37
713	Shell-Thin	SLU-ENVE	Min	0	0	0	-46,3546	-9,3151	-0,3646	30,54	-3,37
713	Shell-Thin	SLU-ENVE	Min	0	0	0	-25,2538	-7,6019	0,0869	30,54	0,8
713	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,7763	-1,8543	0,0974	22,85	0,88
713	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,8504	-4,1724	-0,1468	22,85	-1,21
713	Shell-Thin	SLE-ENVE	Max	0	0	0	-22,6544	-3,7487	-0,1821	26,14	-1,21
713	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,4784	-1,8781	0,1381	26,14	0,88
713	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,9263	-4,6918	-0,0605	18,29	0,58
713	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,7483	-6,6379	-0,4332	18,29	-2,09
713	Shell-Thin	SLE-ENVE	Min	0	0	0	-29,9501	-5,9303	-0,2346	20,49	-2,09
713	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,4841	-4,7256	0,0621	20,49	0,58
714	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,0752	-2,4662	-0,0358	41,01	-0,65
714	Shell-Thin	SLU-ENVE	Max	0	0	0	-33,1949	-5,4973	0,7987	41,01	1,73
714	Shell-Thin	SLU-ENVE	Max	0	0	0	-31,8474	-5,9438	1,1084	33,71	1,73
714	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,7324	-2,4674	0,2739	33,71	-0,65
714	Shell-Thin	SLU-ENVE	Min	0	0	0	-25,2496	-7,5807	-0,2688	30,6	-2,64
714	Shell-Thin	SLU-ENVE	Min	0	0	0	-46,3731	-9,4074	0,0562	30,6	1,14
714	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,6085	-10,2572	-0,0335	26,59	1,14
714	Shell-Thin	SLU-ENVE	Min	0	0	0	-26,1326	-7,3374	-0,3584	26,59	-2,64
714	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,4764	-1,868	-0,04	26,25	-0,53
714	Shell-Thin	SLE-ENVE	Max	0	0	0	-22,6625	-3,7896	0,4729	26,25	1,1
714	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,6724	-4,1273	0,651	21,67	1,1
714	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,9411	-1,8585	0,138	21,67	-0,53
714	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,4814	-4,7121	-0,1767	20,54	-1,59
714	Shell-Thin	SLE-ENVE	Min	0	0	0	-29,9618	-5,9887	0,0696	20,54	0,86
714	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,2416	-6,5196	0,0273	17,63	0,86
714	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,0484	-4,5708	-0,219	17,63	-1,59
715	Shell-Thin	SLU-ENVE	Max	0	0	0	-58,0606	-16,0079	2,3891	-44,5	-8,16
715	Shell-Thin	SLU-ENVE	Max	0	0	0	-34,057	-13,3943	0,6926	-44,5	4,15
715	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,379	-13,5013	-0,4859	-56,63	4,15
715	Shell-Thin	SLU-ENVE	Max	0	0	0	-62,4471	-13,2952	1,1509	-56,63	-8,16
715	Shell-Thin	SLU-ENVE	Min	0	0	0	-71,0529	-20,6478	1,7355	-53,3	-11,24
715	Shell-Thin	SLU-ENVE	Min	0	0	0	-41,5851	-18,8458	0,3898	-53,3	3,12
715	Shell-Thin	SLU-ENVE	Min	0	0	0	-39,561	-19,0353	-0,7153	-68,16	3,12
715	Shell-Thin	SLU-ENVE	Min	0	0	0	-76,4549	-16,9894	0,8597	-68,16	-11,24
715	Shell-Thin	SLE-ENVE	Max	0	0	0	-36,2964	-9,7317	1,3601	-27,75	-4,85
715	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,4298	-7,9382	0,3811	-27,75	2,39
715	Shell-Thin	SLE-ENVE	Max	0	0	0	-20,4292	-8,004	-0,2841	-34,99	2,39
715	Shell-Thin	SLE-ENVE	Max	0	0	0	-38,9152	-8,1165	0,6599	-34,99	-4,85
715	Shell-Thin	SLE-ENVE	Min	0	0	0	-43,5422	-12,3021	1,0156	-32,7	-6,42
715	Shell-Thin	SLE-ENVE	Min	0	0	0	-25,6137	-10,9718	0,2123	-32,7	1,87

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
715	Shell-Thin	SLE-ENVE	Min	0	0	0	-24,4435	-11,0801	-0,4076	-41,29	1,87
715	Shell-Thin	SLE-ENVE	Min	0	0	0	-46,6649	-10,2085	0,5171	-41,29	-6,42
716	Shell-Thin	SLU-ENVE	Max	0	0	0	-62,5033	-13,5763	-2,0278	-57,4	8,41
716	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,3672	-13,4422	0,2696	-57,4	-7,71
716	Shell-Thin	SLU-ENVE	Max	0	0	0	-34,7743	-12,6222	-0,5297	-37,65	-7,71
716	Shell-Thin	SLU-ENVE	Max	0	0	0	-55,0341	-15,6769	-2,7456	-37,65	8,41
716	Shell-Thin	SLU-ENVE	Min	0	0	0	-76,5143	-17,2866	-3,0084	-69,22	3,97
716	Shell-Thin	SLU-ENVE	Min	0	0	0	-39,5492	-18,9762	-0,1836	-69,22	-10,51
716	Shell-Thin	SLU-ENVE	Min	0	0	0	-41,9999	-17,8869	-1,3346	-46,71	-10,51
716	Shell-Thin	SLU-ENVE	Min	0	0	0	-67,7095	-20,8137	-4,1853	-46,71	3,97
716	Shell-Thin	SLE-ENVE	Max	0	0	0	-38,9485	-8,2825	-1,1654	-35,43	4,78
716	Shell-Thin	SLE-ENVE	Max	0	0	0	-20,4221	-7,9689	0,1633	-35,43	-4,46
716	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,8616	-7,5015	-0,2737	-23,77	-4,46
716	Shell-Thin	SLE-ENVE	Max	0	0	0	-34,5555	-9,544	-1,5704	-23,77	4,78
716	Shell-Thin	SLE-ENVE	Min	0	0	0	-46,6992	-10,3802	-1,6969	-41,89	2,45
716	Shell-Thin	SLE-ENVE	Min	0	0	0	-24,4366	-11,0457	-0,0815	-41,89	-5,92
716	Shell-Thin	SLE-ENVE	Min	0	0	0	-25,8666	-10,4351	-0,7291	-28,93	-5,92
716	Shell-Thin	SLE-ENVE	Min	0	0	0	-41,646	-12,3887	-2,3553	-28,93	2,45
717	Shell-Thin	SLU-ENVE	Max	0	0	0	-33,6074	-13,3044	0,5152	-33,7	2,53
717	Shell-Thin	SLU-ENVE	Max	0	0	0	-16,1536	-11,5407	0,5001	-33,7	-0,43
717	Shell-Thin	SLU-ENVE	Max	0	0	0	-16,1454	-11,4263	0,046	-33,95	-0,43
717	Shell-Thin	SLU-ENVE	Max	0	0	0	-33,7232	-13,7701	0,0697	-33,95	2,53
717	Shell-Thin	SLU-ENVE	Min	0	0	0	-41,0276	-18,7343	0,3418	-40,41	1,89
717	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,8301	-17,2377	0,3262	-40,41	-0,58
717	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,8075	-17,1028	-0,0021	-40,77	-0,58
717	Shell-Thin	SLU-ENVE	Min	0	0	0	-41,1847	-19,3601	0,005	-40,77	1,89
717	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,1587	-7,8839	0,2868	-21,01	1,46
717	Shell-Thin	SLE-ENVE	Max	0	0	0	-10,3205	-6,6858	0,2786	-21,01	-0,25
717	Shell-Thin	SLE-ENVE	Max	0	0	0	-10,316	-6,6183	0,0258	-21,15	-0,25
717	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,2256	-8,1633	0,0387	-21,15	1,46
717	Shell-Thin	SLE-ENVE	Min	0	0	0	-25,29	-10,907	0,191	-24,74	1,13
717	Shell-Thin	SLE-ENVE	Min	0	0	0	-12,3698	-9,8558	0,1826	-24,74	-0,33
717	Shell-Thin	SLE-ENVE	Min	0	0	0	-12,3578	-9,7788	-	-24,94	-0,33
									0,000492		
717	Shell-Thin	SLE-ENVE	Min	0	0	0	-25,3781	-11,2671	0,0032	-24,94	1,13
718	Shell-Thin	SLU-ENVE	Max	0	0	0	-33,7113	-13,7111	-0,2852	-33,64	-5,67
718	Shell-Thin	SLU-ENVE	Max	0	0	0	-16,1477	-11,4381	-0,2099	-33,64	-1,13
718	Shell-Thin	SLU-ENVE	Max	0	0	0	-16,0356	-11,1943	-0,5807	-33,08	-1,13
718	Shell-Thin	SLU-ENVE	Max	0	0	0	-33,3181	-12,3309	-0,656	-33,08	-5,67
718	Shell-Thin	SLU-ENVE	Min	0	0	0	-41,1729	-19,3009	-0,5659	-40,5	-7,75
718	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,81	-17,1152	-0,3443	-40,5	-2,24
718	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,6232	-16,6724	-0,8888	-39,25	-2,24
718	Shell-Thin	SLU-ENVE	Min	0	0	0	-40,3607	-17,559	-1,123	-39,25	-7,75
718	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,2186	-8,1282	-0,154	-20,97	-3,28
718	Shell-Thin	SLE-ENVE	Max	0	0	0	-10,3175	-6,6253	-0,1144	-20,97	-0,61
718	Shell-Thin	SLE-ENVE	Max	0	0	0	-10,2557	-6,4924	-0,3217	-20,66	-0,61
718	Shell-Thin	SLE-ENVE	Max	0	0	0	-20,9989	-7,3289	-0,3613	-20,66	-3,28
718	Shell-Thin	SLE-ENVE	Min	0	0	0	-25,3712	-11,2326	-0,3129	-24,78	-4,36
718	Shell-Thin	SLE-ENVE	Min	0	0	0	-12,3593	-9,7861	-0,191	-24,78	-1,24
718	Shell-Thin	SLE-ENVE	Min	0	0	0	-12,2554	-9,5415	-0,4955	-24,09	-1,24
718	Shell-Thin	SLE-ENVE	Min	0	0	0	-24,9208	-10,246	-0,6238	-24,09	-4,36
719	Shell-Thin	SLU-ENVE	Max	0	0	0	-16,1805	-11,5461	0,4459	-20,58	-0,48
719	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,3669	-10,587	0,449	-20,58	0,03867

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
719	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,3765	-10,5818	0,0672	-20,49	0,03867
719	Shell-Thin	SLU-ENVE	Max	0	0	0	-16,1474	-11,4267	0,0663	-20,49	-0,48
719	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,8856	-17,2488	0,3019	-24,63	-0,65
719	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,8066	-16,3966	0,3013	-24,63	-0,01938
719	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,823	-16,4078	0,0395	-24,5	-0,01938
719	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,8358	-17,1084	0,0402	-24,5	-0,65
719	Shell-Thin	SLE-ENVE	Max	0	0	0	-10,3358	-6,6889	0,2486	-13,25	-0,28
719	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,4209	-5,9775	0,2506	-13,25	0,009279
719	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,4252	-5,9715	0,0373	-13,2	0,009279
719	Shell-Thin	SLE-ENVE	Max	0	0	0	-10,3165	-6,6184	0,0366	-13,2	-0,28
719	Shell-Thin	SLE-ENVE	Min	0	0	0	-12,4008	-9,862	0,1695	-15,5	-0,37
719	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,2248	-9,2123	0,1694	-15,5	-0,02379
719	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,2323	-9,2156	0,0233	-15,43	-0,02379
719	Shell-Thin	SLE-ENVE	Min	0	0	0	-12,3731	-9,7818	0,0234	-15,43	-0,37
720	Shell-Thin	SLU-ENVE	Max	0	0	0	-16,1498	-11,4385	-0,2293	-20,5	-0,94
720	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,3756	-10,577	-0,2275	-20,5	-1,16
720	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,3271	-10,2869	-0,4907	-20,47	-1,16
720	Shell-Thin	SLU-ENVE	Max	0	0	0	-16,089	-11,205	-0,4926	-20,47	-0,94
720	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,8383	-17,1209	-0,3375	-24,5	-1,77
720	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,8219	-16,4024	-0,3185	-24,5	-2,06
720	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,7425	-15,8952	-0,7008	-24,36	-2,06
720	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,6914	-16,6861	-0,7168	-24,36	-1,77
720	Shell-Thin	SLE-ENVE	Max	0	0	0	-10,3179	-6,6254	-0,1264	-13,2	-0,51
720	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,4246	-5,9685	-0,1265	-13,2	-0,63
720	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,3996	-5,8117	-0,2736	-13,19	-0,63
720	Shell-Thin	SLE-ENVE	Max	0	0	0	-10,2864	-6,4986	-0,2736	-13,19	-0,51
720	Shell-Thin	SLE-ENVE	Min	0	0	0	-12,3745	-9,7891	-0,1881	-15,43	-0,98
720	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,2317	-9,2124	-0,1785	-15,43	-1,12
720	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,19	-8,9357	-0,3923	-15,35	-1,12
720	Shell-Thin	SLE-ENVE	Min	0	0	0	-12,2939	-9,5492	-0,4002	-15,35	-0,98
721	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,3768	-10,589	0,4607	-9,6	0,01769
721	Shell-Thin	SLU-ENVE	Max	0	0	0	-0,0144	-10,7828	0,4728	-9,6	0,63
721	Shell-Thin	SLU-ENVE	Max	0	0	0	-0,0115	-10,9467	0,0589	-9,62	0,63
721	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,3862	-10,5838	0,0467	-9,62	0,01769
721	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,8248	-16,4002	0,307	-11,94	-0,04179
721	Shell-Thin	SLU-ENVE	Min	0	-	0	-0,0257	-16,9594	0,3175	-11,94	0,54
					1,472E-20						
721	Shell-Thin	SLU-ENVE	Min	0	-	0	-0,0141	-17,1009	0,0358	-11,99	0,54
					1,468E-20						
721	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,8377	-16,4108	0,0253	-11,99	-0,04179
721	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,4262	-5,9785	0,2582	-6,21	-
											0,003645
721	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0075	-5,9928	0,2662	-6,21	0,45
721	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0075	-6,1077	0,0341	-6,21	0,45
721	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,4311	-5,9727	0,026	-6,21	-
											0,003645
721	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,2346	-9,2142	0,1733	-7,51	-0,0375
721	Shell-Thin	SLE-ENVE	Min	0	0	0	-0,0137	-9,4333	0,1804	-7,51	0,39
721	Shell-Thin	SLE-ENVE	Min	0	0	0	-0,0089	-9,536	0,0223	-7,54	0,39
721	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,2412	-9,2174	0,0152	-7,54	-0,0375
722	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,3853	-10,5789	-0,2379	-9,67	-1,06
722	Shell-Thin	SLU-ENVE	Max	0	0	0	-0,0123	-10,9507	-0,2851	-9,67	-2,28

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
722	Shell-Thin	SLU-ENVE	Max	0	0	0	0,0044	-10,3575	-0,5542	-9,61	-2,28
722	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,3386	-10,2892	-0,507	-9,61	-1,06
722	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,8366	-16,4054	-0,3327	-12,05	-1,88
722	Shell-Thin	SLU-ENVE	Min	0	-	0	-0,015	-17,1056	-0,4045	-12,05	-3,06
					1,442E-20						
722	Shell-Thin	SLU-ENVE	Min	0	-1,45E-20	0	-	-16,3049	-0,8027	-11,93	-3,06
							0,0001491				
722	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,7622	-15,8991	-0,7309	-11,93	-1,88
722	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,4305	-5,9697	-0,133	-6,24	-0,57
722	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,008	-6,1101	-0,1607	-6,24	-1,39
722	Shell-Thin	SLE-ENVE	Max	0	0	0	0,0037	-5,7493	-0,3111	-6,22	-1,39
722	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,4053	-5,8129	-0,2833	-6,22	-0,57
722	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,2405	-9,2142	-0,1872	-7,57	-1,02
722	Shell-Thin	SLE-ENVE	Min	0	0	0	-0,0095	-9,5388	-0,2286	-7,57	-1,82
722	Shell-Thin	SLE-ENVE	Min	0	0	0	0,0012	-9,0631	-0,4512	-7,51	-1,82
722	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,2001	-8,9378	-0,4098	-7,51	-1,02
723	Shell-Thin	SLU-ENVE	Max	0	0	0	-31,9558	-6,2583	-0,527	51,9	0,23
723	Shell-Thin	SLU-ENVE	Max	0	0	0	-42,2913	-9,8087	-0,5425	51,9	-19,34
723	Shell-Thin	SLU-ENVE	Max	0	0	0	-39,9085	-4,9586	-0,3032	25,05	-19,34
723	Shell-Thin	SLU-ENVE	Max	0	0	0	-33,4514	-6,2992	-0,2877	25,05	0,23
723	Shell-Thin	SLU-ENVE	Min	0	0	0	-44,2777	-9,3667	-1,118	40,39	0,16
723	Shell-Thin	SLU-ENVE	Min	0	0	0	-57,9621	-14,0039	-1,1401	40,39	-34,11
723	Shell-Thin	SLU-ENVE	Min	0	0	0	-53,7899	-5,4554	-0,4282	24,87	-34,11
723	Shell-Thin	SLU-ENVE	Min	0	0	0	-46,85	-9,3844	-0,4061	24,87	0,16
723	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,7691	-4,2892	-0,3919	33,62	0,14
723	Shell-Thin	SLE-ENVE	Max	0	0	0	-28,8244	-6,7465	-0,4026	33,62	-14,04
723	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,0956	-3,2247	-0,2167	16,65	-14,04
723	Shell-Thin	SLE-ENVE	Max	0	0	0	-22,8499	-4,3143	-0,206	16,65	0,14
723	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,6408	-6,0185	-0,6962	27,48	0,11
723	Shell-Thin	SLE-ENVE	Min	0	0	0	-37,4812	-9,0106	-0,7102	27,48	-21,44
723	Shell-Thin	SLE-ENVE	Min	0	0	0	-34,8569	-3,6369	-0,2745	16,24	-21,44
723	Shell-Thin	SLE-ENVE	Min	0	0	0	-30,2605	-6,0326	-0,2605	16,24	0,11
724	Shell-Thin	SLU-ENVE	Max	0	0	0	-33,4551	-6,3178	1,1166	27,29	-0,51
724	Shell-Thin	SLU-ENVE	Max	0	0	0	-39,8972	-4,9021	1,3045	27,29	46,91
724	Shell-Thin	SLU-ENVE	Max	0	0	0	-43,2132	-11,8232	1,3967	62,7	46,91
724	Shell-Thin	SLU-ENVE	Max	0	0	0	-31,5667	-6,1742	1,2088	62,7	-0,51
724	Shell-Thin	SLU-ENVE	Min	0	0	0	-46,856	-9,4146	0,4718	26,28	-1,89
724	Shell-Thin	SLU-ENVE	Min	0	0	0	-53,7711	-5,3614	0,4568	26,28	27,74
724	Shell-Thin	SLU-ENVE	Min	0	0	0	-58,9081	-17,2775	0,3285	47,1	27,74
724	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,1435	-9,1307	0,3435	47,1	-1,89
724	Shell-Thin	SLE-ENVE	Max	0	0	0	-22,8526	-4,3276	0,6899	18,15	-0,39
724	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,0874	-3,1839	0,798	18,15	29,59
724	Shell-Thin	SLE-ENVE	Max	0	0	0	-29,4702	-8,2004	0,8427	40,47	29,59
724	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,4696	-4,2262	0,7347	40,47	-0,39
724	Shell-Thin	SLE-ENVE	Min	0	0	0	-30,2643	-6,0517	0,3539	17,26	-1,14
724	Shell-Thin	SLE-ENVE	Min	0	0	0	-34,845	-3,5775	0,3504	17,26	20,08
724	Shell-Thin	SLE-ENVE	Min	0	0	0	-38,1081	-11,0821	0,2705	32,33	20,08
724	Shell-Thin	SLE-ENVE	Min	0	0	0	-27,9479	-5,8744	0,274	32,33	-1,14
725	Shell-Thin	SLU-ENVE	Max	0	0	0	-42,2176	-9,7939	0,3101	-24,14	-19,54
725	Shell-Thin	SLU-ENVE	Max	0	0	0	-25,0419	-2,5247	0,52	-24,14	4,31
725	Shell-Thin	SLU-ENVE	Max	0	0	0	-26,5116	-3,7612	0,6274	-18,8	4,31
725	Shell-Thin	SLU-ENVE	Max	0	0	0	-40,1195	-5,0008	0,275	-18,8	-19,54

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
725	Shell-Thin	SLU-ENVE	Min	0	0	0	-57,7778	-13,967	0,1676	-59,95	-34,44
725	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,2765	-6,2012	0,5135	-59,95	2,48
725	Shell-Thin	SLU-ENVE	Min	0	0	0	-29,1267	-6,9143	0,1994	-50,58	2,48
725	Shell-Thin	SLU-ENVE	Min	0	0	0	-54,0965	-5,5167	-0,0044	-50,58	-34,44
725	Shell-Thin	SLE-ENVE	Max	0	0	0	-28,7692	-6,7355	0,2098	-19,24	-14,19
725	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,191	-2,0314	0,3578	-19,24	2,71
725	Shell-Thin	SLE-ENVE	Max	0	0	0	-18,1148	-2,8098	0,3814	-15,36	2,71
725	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,2464	-3,2549	0,1592	-15,36	-14,19
725	Shell-Thin	SLE-ENVE	Min	0	0	0	-37,3679	-8,988	0,1214	-36,84	-21,65
725	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,7767	-3,8184	0,3435	-36,84	1,8
725	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,3904	-4,3356	0,1543	-30,95	1,8
725	Shell-Thin	SLE-ENVE	Min	0	0	0	-35,0528	-3,6761	0,0063	-30,95	-21,65
726	Shell-Thin	SLU-ENVE	Max	0	0	0	-40,1082	-4,9443	0,1267	-19,57	47,36
726	Shell-Thin	SLU-ENVE	Max	0	0	0	-26,5208	-3,8073	-0,0127	-19,57	-4
726	Shell-Thin	SLU-ENVE	Max	0	0	0	-24,3748	-1,9532	0,4155	-26,81	-4
726	Shell-Thin	SLU-ENVE	Max	0	0	0	-43,0125	-11,7831	0,5549	-26,81	47,36
726	Shell-Thin	SLU-ENVE	Min	0	0	0	-54,0777	-5,4227	-0,3424	-51,82	27,93
726	Shell-Thin	SLU-ENVE	Min	0	0	0	-29,1322	-6,9415	-0,6564	-51,82	-7,16
726	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,0286	-5,798	-0,7715	-63,78	-7,16
726	Shell-Thin	SLU-ENVE	Min	0	0	0	-58,5122	-17,1983	-0,4575	-63,78	27,93
726	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,2382	-3,214	0,0466	-15,92	29,86
726	Shell-Thin	SLE-ENVE	Max	0	0	0	-18,1206	-2,8389	-0,0605	-15,92	-2,92
726	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,7822	-1,6639	0,1807	-21,15	-2,92
726	Shell-Thin	SLE-ENVE	Max	0	0	0	-29,3232	-8,171	0,2878	-21,15	29,86
726	Shell-Thin	SLE-ENVE	Min	0	0	0	-35,0409	-3,6166	-0,2217	-31,73	20,22
726	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,3944	-4,3554	-0,435	-31,73	-4,5
726	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,5884	-3,5282	-0,4945	-39,29	-4,5
726	Shell-Thin	SLE-ENVE	Min	0	0	0	-37,8612	-11,0327	-0,2812	-39,29	20,22
727	Shell-Thin	SLU-ENVE	Max	0	0	0	-25,272	-2,5707	0,1467	-14,57	4,64
727	Shell-Thin	SLU-ENVE	Max	0	0	0	2,9695	6,3739	0,0606	-14,57	-0,45
727	Shell-Thin	SLU-ENVE	Max	0	0	0	3,301	6,6476	0,1843	-15,54	-0,45
727	Shell-Thin	SLU-ENVE	Max	0	0	0	-26,0554	-3,67	0,3397	-15,54	4,64
727	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,3915	-6,2238	-0,2806	-45,92	2,67
727	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,3871	-5,7701	-0,436	-45,92	-0,86
727	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,1995	-5,6241	-0,134	-47,64	-0,86
727	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,8424	-6,8582	-0,0479	-47,64	2,67
727	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,3339	-2,06	0,0862	-12,26	2,92
727	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0587	3,1947	0,0242	-12,26	-0,33
727	Shell-Thin	SLE-ENVE	Max	0	0	0	0,15	3,3656	0,0968	-12,96	-0,33
727	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,8261	-2,752	0,1939	-12,96	2,92
727	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,8605	-3,835	-0,1523	-27,96	1,94
727	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,5822	-3,0833	-0,2494	-27,96	-0,53
727	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,4454	-2,977	-0,0815	-29,04	-0,53
727	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,1861	-4,2952	-0,0194	-29,04	1,94
728	Shell-Thin	SLU-ENVE	Max	0	0	0	-26,0647	-3,7161	0,7997	-15,45	-4,2
728	Shell-Thin	SLU-ENVE	Max	0	0	0	3,3042	6,6637	1,0717	-15,45	2,72
728	Shell-Thin	SLU-ENVE	Max	0	0	0	2,7897	5,8783	1,6249	-14,22	2,72
728	Shell-Thin	SLU-ENVE	Max	0	0	0	-24,8725	-2,0527	1,3529	-14,22	-4,2
728	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,8479	-6,8854	-0,2738	-47,39	-7,07
728	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,1975	-5,6142	-0,2313	-47,39	0,52
728	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,4696	-5,7595	-0,4493	-44,76	0,52
728	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,3044	-5,8523	-0,4919	-44,76	-7,07
728	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,8319	-2,7811	0,4441	-12,9	-3,05

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
728	Shell-Thin	SLE-ENVE	Max	0	0	0	0,1521	3,3759	0,6068	-12,9	1,61
728	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,1674	2,9112	0,9123	-11,99	1,61
728	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,094	-1,7263	0,7496	-11,99	-3,05
728	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,1901	-4,3149	-0,1519	-28,89	-4,47
728	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,444	-2,9699	-0,1128	-28,89	0,41
728	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,6399	-3,0881	-0,2362	-27,26	0,41
728	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,7882	-3,5677	-0,2753	-27,26	-4,47
729	Shell-Thin	SLU-ENVE	Max	0	0	0	2,9687	6,3738	0,1336	-5,44	-0,48
729	Shell-Thin	SLU-ENVE	Max	0	0	0	23,3457	13,5152	0,136	-5,44	0,08096
729	Shell-Thin	SLU-ENVE	Max	0	0	0	23,3144	13,5381	0,2523	-5,29	0,08096
729	Shell-Thin	SLU-ENVE	Max	0	0	0	3,0633	6,6	0,2462	-5,29	-0,48
729	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,3374	-5,7602	-0,3176	-39,3	-0,92
729	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,8263	-6,2383	-0,3115	-39,3	-0,1
729	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,8558	-6,2593	-0,0992	-39,08	-0,1
729	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,2829	-5,6407	-0,1017	-39,08	-0,92
729	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0539	3,1957	0,0755	-5,78	-0,35
729	Shell-Thin	SLE-ENVE	Max	0	0	0	12,1185	7,3393	0,0779	-5,78	0,05695
729	Shell-Thin	SLE-ENVE	Max	0	0	0	12,0979	7,3493	0,1415	-5,67	0,05695
729	Shell-Thin	SLE-ENVE	Max	0	0	0	0,0061	3,3368	0,1374	-5,67	-0,35
729	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,5477	-3,0764	-0,1755	-23,38	-0,57
729	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,0822	-3,0302	-0,1713	-23,38	-0,0478
729	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,1029	-3,0453	-0,0532	-23,24	-0,0478
729	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,5076	-2,9894	-0,0555	-23,24	-0,57
730	Shell-Thin	SLU-ENVE	Max	0	0	0	3,0665	6,6162	0,9271	-5,33	3,3
730	Shell-Thin	SLU-ENVE	Max	0	0	0	23,3152	13,5421	0,682	-5,33	1,97
730	Shell-Thin	SLU-ENVE	Max	0	0	0	22,7189	13,1614	1,2667	-5,63	1,97
730	Shell-Thin	SLU-ENVE	Max	0	0	0	2,9093	5,9022	1,5117	-5,63	3,3
730	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,2809	-5,6309	-0,3336	-39,15	0,47
730	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,8564	-6,2624	-0,3515	-39,15	-0,7
730	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,7867	-6,0798	-0,5762	-38,36	-0,7
730	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,3751	-5,7406	-0,5584	-38,36	0,47
730	Shell-Thin	SLE-ENVE	Max	0	0	0	0,0081	3,3471	0,5152	-5,69	1,93
730	Shell-Thin	SLE-ENVE	Max	0	0	0	12,0983	7,3511	0,3778	-5,69	1,08
730	Shell-Thin	SLE-ENVE	Max	0	0	0	11,7713	7,1445	0,7028	-5,89	1,08
730	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,09	2,9266	0,8401	-5,89	1,93
730	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,5062	-2,9823	-0,1847	-23,28	0,39
730	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,1033	-3,0476	-0,1964	-23,28	-0,41
730	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,0591	-2,9395	-0,3207	-22,87	-0,41
730	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,5728	-3,0747	-0,309	-22,87	0,39
731	Shell-Thin	SLU-ENVE	Max	0	0	0	23,2896	13,504	0,116	3,85	0,09044
731	Shell-Thin	SLU-ENVE	Max	0	0	0	40,9966	17,5639	0,1083	3,85	0,22
731	Shell-Thin	SLU-ENVE	Max	0	0	0	41,0058	17,5075	0,0074	3,82	0,22
731	Shell-Thin	SLU-ENVE	Max	0	0	0	23,2787	13,531	0,0057	3,82	0,09044
731	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,8237	-6,2378	-0,0932	-35,81	-0,11
731	Shell-Thin	SLU-ENVE	Min	0	0	0	-16,3077	-7,6011	-0,0915	-35,81	-0,01078
731	Shell-Thin	SLU-ENVE	Min	0	0	0	-16,3112	-7,5946	-0,1116	-35,85	-0,01078
731	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,841	-6,2564	-0,1039	-35,85	-0,11
731	Shell-Thin	SLE-ENVE	Max	0	0	0	12,0868	7,3329	0,065	0,67	0,0633
731	Shell-Thin	SLE-ENVE	Max	0	0	0	22,2844	9,6591	0,0603	0,67	0,12
731	Shell-Thin	SLE-ENVE	Max	0	0	0	22,2901	9,6282	0,0043	0,65	0,12
731	Shell-Thin	SLE-ENVE	Max	0	0	0	12,0791	7,3456	0,0037	0,65	0,0633
731	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,0814	-3,0301	-0,0512	-20,61	-0,05188

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
731	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,173	-3,6424	-0,0506	-20,61	-
											0,008426
731	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,1743	-3,6379	-0,0618	-20,64	-
											0,008426
731	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,0933	-3,0434	-0,0571	-20,64	-0,05188
732	Shell-Thin	SLU-ENVE	Max	0	0	0	23,2795	13,5349	0,3979	3,79	2,63
732	Shell-Thin	SLU-ENVE	Max	0	0	0	41,0062	17,5098	-0,1432	3,79	-0,8
732	Shell-Thin	SLU-ENVE	Max	0	0	0	40,5281	18,8581	0,1239	3,7	-0,8
732	Shell-Thin	SLU-ENVE	Max	0	0	0	22,6513	13,1479	0,665	3,7	2,63
732	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,8416	-6,2595	-0,3399	-36,52	-0,78
732	Shell-Thin	SLU-ENVE	Min	0	0	0	-16,311	-7,5936	-0,3095	-36,52	-4,31
732	Shell-Thin	SLU-ENVE	Min	0	0	0	-16,2122	-7,3749	-0,5231	-36,82	-4,31
732	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,788	-6,08	-0,5535	-36,82	-0,78
732	Shell-Thin	SLE-ENVE	Max	0	0	0	12,0795	7,3474	0,2214	0,64	1,44
732	Shell-Thin	SLE-ENVE	Max	0	0	0	22,2904	9,6296	-0,079	0,64	-0,44
732	Shell-Thin	SLE-ENVE	Max	0	0	0	22,0238	10,3778	0,0693	0,59	-0,44
732	Shell-Thin	SLE-ENVE	Max	0	0	0	11,7328	7,1368	0,3696	0,59	1,44
732	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,0937	-3,0457	-0,1882	-21,01	-0,46
732	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,1741	-3,6372	-0,1712	-21,01	-2,39
732	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,1208	-3,5166	-0,29	-21,17	-2,39
732	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,0611	-2,9399	-0,307	-21,17	-0,46
733	Shell-Thin	SLU-ENVE	Max	0	0	0	41,008	17,5662	0,2169	13,93	0,2
733	Shell-Thin	SLU-ENVE	Max	0	0	0	39,3489	14,9422	0,2313	13,93	0,71
733	Shell-Thin	SLU-ENVE	Max	0	0	0	39,3267	14,7567	-0,0788	13,95	0,71
733	Shell-Thin	SLU-ENVE	Max	0	0	0	41,0164	17,5096	-0,0699	13,95	0,2
733	Shell-Thin	SLU-ENVE	Min	0	0	0	-16,2935	-7,5983	0,0585	5,28	-
											0,003417
733	Shell-Thin	SLU-ENVE	Min	0	0	0	-22,9556	-9,6645	0,0496	5,28	-0,04287
733	Shell-Thin	SLU-ENVE	Min	0	0	0	-22,971	-9,6484	-0,259	5,34	-0,04287
733	Shell-Thin	SLU-ENVE	Min	0	0	0	-16,2995	-7,5922	-0,2734	5,34	-
											0,003417
733	Shell-Thin	SLE-ENVE	Max	0	0	0	22,2909	9,6603	0,1209	7,49	0,11
733	Shell-Thin	SLE-ENVE	Max	0	0	0	21,6243	8,2537	0,129	7,49	0,4
733	Shell-Thin	SLE-ENVE	Max	0	0	0	21,6119	8,1503	-0,0439	7,5	0,4
733	Shell-Thin	SLE-ENVE	Max	0	0	0	22,2958	9,6293	-0,0388	7,5	0,11
733	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,1649	-3,6408	0,0326	2,42	-
											0,004825
733	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,7403	-4,7637	0,0275	2,42	-0,02386
733	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,7491	-4,7546	-0,1434	2,46	-0,02386
733	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,1681	-3,6367	-0,1515	2,46	-
											0,004825
734	Shell-Thin	SLU-ENVE	Max	0	0	0	41,0168	17,5119	-0,248	13,92	-0,93
734	Shell-Thin	SLU-ENVE	Max	0	0	0	39,3239	14,7427	-0,1545	13,92	-1,26
734	Shell-Thin	SLU-ENVE	Max	0	0	0	39,4825	17,9566	-0,2764	13,62	-1,26
734	Shell-Thin	SLU-ENVE	Max	0	0	0	40,4566	18,8438	-0,3699	13,62	-0,93
734	Shell-Thin	SLU-ENVE	Min	0	0	0	-16,2993	-7,5912	-0,4656	4,69	-4,24
734	Shell-Thin	SLU-ENVE	Min	0	0	0	-22,9711	-9,6491	-1,0117	4,69	-11,76
734	Shell-Thin	SLU-ENVE	Min	0	0	0	-22,7193	-9,3373	-1,337	3,25	-11,76
734	Shell-Thin	SLU-ENVE	Min	0	0	0	-16,1974	-7,372	-0,7909	3,25	-4,24
734	Shell-Thin	SLE-ENVE	Max	0	0	0	22,296	9,6307	-0,1378	7,48	-0,51
734	Shell-Thin	SLE-ENVE	Max	0	0	0	21,6103	8,1425	-0,0862	7,48	-0,7
734	Shell-Thin	SLE-ENVE	Max	0	0	0	21,6987	9,928	-0,154	7,32	-0,7
734	Shell-Thin	SLE-ENVE	Max	0	0	0	21,9844	10,3699	-0,2056	7,32	-0,51
734	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,168	-3,6359	-0,2583	2,09	-2,35

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
734	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,7492	-4,7551	-0,5618	2,09	-6,54
734	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,6093	-4,5816	-0,7426	1,29	-6,54
734	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,1122	-3,5149	-0,4392	1,29	-2,35
735	Shell-Thin	SLU-ENVE	Max	0	0	0	39,423	14,9571	0,3936	79,58	0,73
735	Shell-Thin	SLU-ENVE	Max	0	0	0	8,862	5,763	0,3972	79,58	0,5
735	Shell-Thin	SLU-ENVE	Max	0	0	0	8,8344	5,6355	-0,0317	79,59	0,5
735	Shell-Thin	SLU-ENVE	Max	0	0	0	39,3987	14,7711	-0,0206	79,59	0,73
735	Shell-Thin	SLU-ENVE	Min	0	0	0	-22,9441	-9,6622	-0,0378	23,06	-0,02559
735	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,8564	-11,615	-0,0521	23,06	-0,08456
735	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,8711	-11,5849	-0,3977	23,05	-0,08456
735	Shell-Thin	SLU-ENVE	Min	0	0	0	-22,9632	-9,6469	-0,4013	23,05	-0,02559
735	Shell-Thin	SLE-ENVE	Max	0	0	0	21,6654	8,2619	0,2192	43,38	0,41
735	Shell-Thin	SLE-ENVE	Max	0	0	0	5,0194	3,2204	0,2212	43,38	0,28
735	Shell-Thin	SLE-ENVE	Max	0	0	0	5,004	3,1493	-0,0181	43,39	0,28
735	Shell-Thin	SLE-ENVE	Max	0	0	0	21,6519	8,1583	-0,0118	43,39	0,41
735	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,7339	-4,7624	-0,021	13,69	-0,01427
735	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,5784	-5,9155	-0,0291	13,69	-0,04747
735	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,5866	-5,8986	-0,2205	13,69	-0,04747
735	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,7448	-4,7538	-0,2225	13,69	-0,01427
736	Shell-Thin	SLU-ENVE	Max	0	0	0	39,3959	14,7571	-0,0967	79,81	-1,49
736	Shell-Thin	SLU-ENVE	Max	0	0	0	8,8326	5,6265	0,0745	79,81	-1,81
736	Shell-Thin	SLU-ENVE	Max	0	0	0	9,3765	8,4186	0,0899	78,82	-1,81
736	Shell-Thin	SLU-ENVE	Max	0	0	0	39,5421	17,9685	-0,0786	78,82	-1,49
736	Shell-Thin	SLU-ENVE	Min	0	0	0	-22,9634	-9,6476	-1,1131	23,02	-12,42
736	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,8708	-11,5835	-1,2832	23,02	-10,74
736	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,3994	-11,2007	-2,1341	22,58	-10,74
736	Shell-Thin	SLU-ENVE	Min	0	0	0	-22,7072	-9,3349	-1,9639	22,58	-12,42
736	Shell-Thin	SLE-ENVE	Max	0	0	0	21,6503	8,1505	-0,0542	43,51	-0,83
736	Shell-Thin	SLE-ENVE	Max	0	0	0	5,003	3,1443	0,0409	43,51	-1
736	Shell-Thin	SLE-ENVE	Max	0	0	0	5,3052	4,695	0,0493	42,96	-1
736	Shell-Thin	SLE-ENVE	Max	0	0	0	21,7317	9,9346	-0,0442	42,96	-0,83
736	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,7449	-4,7542	-0,618	13,67	-6,9
736	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,5864	-5,8978	-0,7124	13,67	-5,97
736	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,3248	-5,6849	-1,1852	13,43	-5,97
736	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,6027	-4,5802	-1,0908	13,43	-6,9
739	Shell-Thin	SLU-ENVE	Max	0	0	0	-45,5727	-8,6508	-2,1628	183	8,19
739	Shell-Thin	SLU-ENVE	Max	0	0	0	-70,8488	-19,2235	-1,5727	183	-71,66
739	Shell-Thin	SLU-ENVE	Max	0	0	0	-61,872	0,3838	-0,0315	117,13	-71,66
739	Shell-Thin	SLU-ENVE	Max	0	0	0	-49,5353	-11,4422	-0,6216	117,13	8,19
739	Shell-Thin	SLU-ENVE	Min	0	0	0	-55,6386	-12,7714	-3,3199	57,03	3,83
739	Shell-Thin	SLU-ENVE	Min	0	0	0	-125,9153	-35,5269	-2,1307	57,03	-146,62
739	Shell-Thin	SLU-ENVE	Min	0	0	0	-107,6457	-1,678	-0,8578	20,31	-146,62
739	Shell-Thin	SLU-ENVE	Min	0	0	0	-62,3835	-14,5224	-2,047	20,31	3,83
739	Shell-Thin	SLE-ENVE	Max	0	0	0	-23,5984	-4,6928	-1,2241	100,15	4,51
739	Shell-Thin	SLE-ENVE	Max	0	0	0	-38,8723	-10,6479	-0,8882	100,15	-40,76
739	Shell-Thin	SLE-ENVE	Max	0	0	0	-33,7663	0,4016	-0,0228	63,94	-40,76
739	Shell-Thin	SLE-ENVE	Max	0	0	0	-25,852	-6,2276	-0,3587	63,94	4,51
739	Shell-Thin	SLE-ENVE	Min	0	0	0	-29,2939	-6,724	-1,8243	34,72	2,18
739	Shell-Thin	SLE-ENVE	Min	0	0	0	-68,7405	-19,4359	-1,1708	34,72	-80,61
739	Shell-Thin	SLE-ENVE	Min	0	0	0	-58,6969	-0,669	-0,4721	14,04	-80,61
739	Shell-Thin	SLE-ENVE	Min	0	0	0	-33,0593	-7,7053	-1,1255	14,04	2,18
740	Shell-Thin	SLU-ENVE	Max	0	0	0	-49,577	-11,8821	3,2354	123,77	-11,17
740	Shell-Thin	SLU-ENVE	Max	0	0	0	-61,8082	1,0988	2,7945	123,77	204,5



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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
740	Shell-Thin	SLU-ENVE	Max	0	0	0	-72,7142	-25,6559	3,4997	214,55	204,5
740	Shell-Thin	SLU-ENVE	Max	0	0	0	-43,1744	-5,8743	3,9406	214,55	-11,17
740	Shell-Thin	SLU-ENVE	Min	0	0	0	-62,4561	-14,806	2,5691	24,32	-22,55
740	Shell-Thin	SLU-ENVE	Min	0	0	0	-107,5027	-1,3587	2,2212	24,32	97,36
740	Shell-Thin	SLU-ENVE	Min	0	0	0	-131,0237	-49,6552	1,6907	71	97,36
740	Shell-Thin	SLU-ENVE	Min	0	0	0	-51,7011	-11,2738	2,2847	71	-22,55
740	Shell-Thin	SLE-ENVE	Max	0	0	0	-25,8757	-6,4694	1,8076	67,59	-6,32
740	Shell-Thin	SLE-ENVE	Max	0	0	0	-33,73	0,7012	1,5581	67,59	112,42
740	Shell-Thin	SLE-ENVE	Max	0	0	0	-39,9505	-14,3134	1,9488	117,49	112,42
740	Shell-Thin	SLE-ENVE	Max	0	0	0	-22,2447	-3,1621	2,1983	117,49	-6,32
740	Shell-Thin	SLE-ENVE	Min	0	0	0	-33,0998	-7,8642	1,4493	16,29	-12,43
740	Shell-Thin	SLE-ENVE	Min	0	0	0	-58,6183	-0,4873	1,2224	16,29	55,43
740	Shell-Thin	SLE-ENVE	Min	0	0	0	-71,5413	-27,2029	0,9293	42,69	55,43
740	Shell-Thin	SLE-ENVE	Min	0	0	0	-27,099	-5,8857	1,2508	42,69	-12,43
743	Shell-Thin	SLU-ENVE	Max	0	0	0	-4,1647	3,5242	-0,4922	-125,7	-1,12
743	Shell-Thin	SLU-ENVE	Max	0	0	0	40,6789	18,305	-0,7201	-125,7	0,97
743	Shell-Thin	SLU-ENVE	Max	0	0	0	40,7336	18,1539	0,8419	-126,93	0,97
743	Shell-Thin	SLU-ENVE	Max	0	0	0	-4,5711	3,8865	1,0389	-126,93	-1,12
743	Shell-Thin	SLU-ENVE	Min	0	0	0	-37,605	-4,9563	-0,7104	-154,69	-2,47
743	Shell-Thin	SLU-ENVE	Min	0	0	0	18,2285	11,9389	-0,9074	-154,69	0,45
743	Shell-Thin	SLU-ENVE	Min	0	0	0	18,3302	11,8494	0,679	-156,81	0,45
743	Shell-Thin	SLU-ENVE	Min	0	0	0	-38,2999	-4,186	0,7945	-156,81	-2,47
743	Shell-Thin	SLE-ENVE	Max	0	0	0	-2,5506	1,9092	-0,2758	-67,54	-0,63
743	Shell-Thin	SLE-ENVE	Max	0	0	0	21,504	9,9487	-0,4012	-67,54	0,54
743	Shell-Thin	SLE-ENVE	Max	0	0	0	21,5348	9,8651	0,4676	-68,23	0,54
743	Shell-Thin	SLE-ENVE	Max	0	0	0	-2,7785	2,1134	0,5776	-68,23	-0,63
743	Shell-Thin	SLE-ENVE	Min	0	0	0	-19,9883	-2,572	-0,3939	-85,48	-1,36
743	Shell-Thin	SLE-ENVE	Min	0	0	0	10,8566	6,7787	-0,5039	-85,48	0,25
743	Shell-Thin	SLE-ENVE	Min	0	0	0	10,9123	6,7285	0,3772	-86,65	0,25
743	Shell-Thin	SLE-ENVE	Min	0	0	0	-20,3706	-2,1497	0,4429	-86,65	-1,36
744	Shell-Thin	SLU-ENVE	Max	0	0	0	-4,5806	3,8388	2,4345	-127,22	0,22
744	Shell-Thin	SLU-ENVE	Max	0	0	0	40,7321	18,1462	2,8162	-127,22	-5,89
744	Shell-Thin	SLU-ENVE	Max	0	0	0	41,0111	21,2166	4,6163	-123,98	-5,89
744	Shell-Thin	SLU-ENVE	Max	0	0	0	-3,0845	6,1407	4,2346	-123,98	0,22
744	Shell-Thin	SLU-ENVE	Min	0	0	0	-38,3129	-4,2512	1,9673	-157,19	-10,69
744	Shell-Thin	SLU-ENVE	Min	0	0	0	18,3307	11,8519	2,167	-157,19	-14,84
744	Shell-Thin	SLU-ENVE	Min	0	0	0	18,5508	15,2258	3,7847	-151,02	-14,84
744	Shell-Thin	SLU-ENVE	Min	0	0	0	-35,7798	-1,9156	3,502	-151,02	-10,69
744	Shell-Thin	SLE-ENVE	Max	0	0	0	-2,7838	2,0868	1,3518	-68,39	0,13
744	Shell-Thin	SLE-ENVE	Max	0	0	0	21,5339	9,8608	1,5644	-68,39	-3,28
744	Shell-Thin	SLE-ENVE	Max	0	0	0	21,6887	11,5667	2,564	-66,59	-3,28
744	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,9505	3,3638	2,3514	-66,59	0,13
744	Shell-Thin	SLE-ENVE	Min	0	0	0	-20,3778	-2,1857	1,0936	-86,85	-5,95
744	Shell-Thin	SLE-ENVE	Min	0	0	0	10,9126	6,7298	1,2039	-86,85	-8,24
744	Shell-Thin	SLE-ENVE	Min	0	0	0	10,9666	8,6041	2,1016	-83,44	-8,24
744	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,9746	-0,8848	1,947	-83,44	-5,95
745	Shell-Thin	SLU-ENVE	Max	0	0	0	40,6214	18,2935	-0,6885	-53,38	0,68
745	Shell-Thin	SLU-ENVE	Max	0	0	0	73,2503	32,1081	-0,6809	-53,38	0,8
745	Shell-Thin	SLU-ENVE	Max	0	0	0	73,2393	32,0148	0,7369	-53,47	0,8
745	Shell-Thin	SLU-ENVE	Max	0	0	0	40,5803	18,1232	0,7401	-53,47	0,68
745	Shell-Thin	SLU-ENVE	Min	0	0	0	18,1384	11,9209	-0,8529	-104,36	0,16
745	Shell-Thin	SLU-ENVE	Min	0	0	0	54,7411	26,0357	-0,856	-104,36	0,16
745	Shell-Thin	SLU-ENVE	Min	0	0	0	54,7508	25,9403	0,5598	-104,47	0,16

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1° LOTTO – Piovene Rocchette – Valle dell’Astico

Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
745	Shell-Thin	SLU-ENVE	Min	0	0	0	18,0766	11,7987	0,5522	-104,47	0,16
745	Shell-Thin	SLE-ENVE	Max	0	0	0	21,4722	9,9424	-0,3822	-27,68	0,37
745	Shell-Thin	SLE-ENVE	Max	0	0	0	38,8396	17,6693	-0,3781	-27,68	0,44
745	Shell-Thin	SLE-ENVE	Max	0	0	0	38,8335	17,6176	0,4093	-27,73	0,44
745	Shell-Thin	SLE-ENVE	Max	0	0	0	21,4493	9,848	0,4111	-27,73	0,37
745	Shell-Thin	SLE-ENVE	Min	0	0	0	10,8062	6,7687	-0,4738	-55,83	0,08896
745	Shell-Thin	SLE-ENVE	Min	0	0	0	31,0631	14,595	-0,4756	-55,83	0,08768
745	Shell-Thin	SLE-ENVE	Min	0	0	0	31,0685	14,5418	0,311	-55,89	0,08768
745	Shell-Thin	SLE-ENVE	Min	0	0	0	10,7721	6,7005	0,3069	-55,89	0,08896
746	Shell-Thin	SLU-ENVE	Max	0	0	0	40,5787	18,1156	2,6536	-52,72	-5,12
746	Shell-Thin	SLU-ENVE	Max	0	0	0	73,2358	32,0142	2,0054	-52,72	-2,9
746	Shell-Thin	SLU-ENVE	Max	0	0	0	73,253	34,2128	3,6174	-50,61	-2,9
746	Shell-Thin	SLU-ENVE	Max	0	0	0	40,9871	21,2118	4,2657	-50,61	-5,12
746	Shell-Thin	SLU-ENVE	Min	0	0	0	18,0771	11,8011	2,0059	-104,55	-12,47
746	Shell-Thin	SLU-ENVE	Min	0	0	0	54,7505	25,939	1,5947	-104,55	-9,75
746	Shell-Thin	SLU-ENVE	Min	0	0	0	54,0414	28,3372	2,9312	-102,92	-9,75
746	Shell-Thin	SLU-ENVE	Min	0	0	0	18,5109	15,2178	3,3424	-102,92	-12,47
746	Shell-Thin	SLE-ENVE	Max	0	0	0	21,4484	9,8437	1,4739	-27,31	-2,85
746	Shell-Thin	SLE-ENVE	Max	0	0	0	38,8315	17,6173	1,1139	-27,31	-1,61
746	Shell-Thin	SLE-ENVE	Max	0	0	0	38,8412	18,8387	2,0093	-26,14	-1,61
746	Shell-Thin	SLE-ENVE	Max	0	0	0	21,6755	11,564	2,3694	-26,14	-2,85
746	Shell-Thin	SLE-ENVE	Min	0	0	0	10,7723	6,7017	1,1141	-55,93	-6,93
746	Shell-Thin	SLE-ENVE	Min	0	0	0	31,0683	14,5411	0,8858	-55,93	-5,42
746	Shell-Thin	SLE-ENVE	Min	0	0	0	30,6744	15,8734	1,6281	-55,03	-5,42
746	Shell-Thin	SLE-ENVE	Min	0	0	0	10,9385	8,5995	1,8564	-55,03	-6,93
747	Shell-Thin	SLU-ENVE	Max	0	0	0	73,2158	32,0996	-0,299	-13,81	0,78
747	Shell-Thin	SLU-ENVE	Max	0	0	0	88,074	39,592	-0,2807	-13,81	0,64
747	Shell-Thin	SLU-ENVE	Max	0	0	0	88,0684	39,4189	0,3971	-13,87	0,64
747	Shell-Thin	SLU-ENVE	Max	0	0	0	73,2021	32,0065	0,3919	-13,87	0,78
747	Shell-Thin	SLU-ENVE	Min	0	0	0	54,6882	26,0251	-0,4491	-42,65	0,16
747	Shell-Thin	SLU-ENVE	Min	0	0	0	61,0281	30,1076	-0,4427	-42,65	-0,5
747	Shell-Thin	SLU-ENVE	Min	0	0	0	61,029	30,0245	0,3071	-42,62	-0,5
747	Shell-Thin	SLU-ENVE	Min	0	0	0	54,6956	25,9292	0,2888	-42,62	0,16
747	Shell-Thin	SLE-ENVE	Max	0	0	0	38,8204	17,6646	-0,1666	-6,04	0,43
747	Shell-Thin	SLE-ENVE	Max	0	0	0	46,9147	21,5909	-0,1564	-6,04	0,36
747	Shell-Thin	SLE-ENVE	Max	0	0	0	46,9116	21,4948	0,2205	-6,07	0,36
747	Shell-Thin	SLE-ENVE	Max	0	0	0	38,8128	17,613	0,2175	-6,07	0,43
747	Shell-Thin	SLE-ENVE	Min	0	0	0	31,0338	14,5892	-0,2495	-21,33	0,0884
747	Shell-Thin	SLE-ENVE	Min	0	0	0	34,3721	16,8207	-0,2461	-21,33	-0,28
747	Shell-Thin	SLE-ENVE	Min	0	0	0	34,3725	16,7746	0,1702	-21,31	-0,28
747	Shell-Thin	SLE-ENVE	Min	0	0	0	31,0378	14,5357	0,16	-21,31	0,0884
748	Shell-Thin	SLU-ENVE	Max	0	0	0	73,1986	32,0059	1,618	-13,22	-2,28
748	Shell-Thin	SLU-ENVE	Max	0	0	0	88,0662	39,4082	0,8768	-13,22	5,52
748	Shell-Thin	SLU-ENVE	Max	0	0	0	87,58	41,7734	1,5291	-11,44	5,52
748	Shell-Thin	SLU-ENVE	Max	0	0	0	73,226	34,1955	2,2935	-11,44	-2,28
748	Shell-Thin	SLU-ENVE	Min	0	0	0	54,6953	25,9279	1,3125	-42,62	-9,36
748	Shell-Thin	SLU-ENVE	Min	0	0	0	61,0287	30,0229	0,4281	-42,62	-7,63
748	Shell-Thin	SLU-ENVE	Min	0	0	0	60,363	31,4686	0,9172	-43,25	-7,63
748	Shell-Thin	SLU-ENVE	Min	0	0	0	54,0081	28,3305	1,8016	-43,25	-9,36
748	Shell-Thin	SLE-ENVE	Max	0	0	0	38,8109	17,6126	0,8986	-5,71	-1,27
748	Shell-Thin	SLE-ENVE	Max	0	0	0	46,9104	21,4888	0,4871	-5,71	3,07
748	Shell-Thin	SLE-ENVE	Max	0	0	0	46,6403	22,8028	0,8494	-4,74	3,07
748	Shell-Thin	SLE-ENVE	Max	0	0	0	38,8262	18,8291	1,2739	-4,74	-1,27

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
748	Shell-Thin	SLE-ENVE	Min	0	0	0	31,0377	14,535	0,7288	-21,32	-5,2
748	Shell-Thin	SLE-ENVE	Min	0	0	0	34,3723	16,7737	0,2375	-21,32	-4,24
748	Shell-Thin	SLE-ENVE	Min	0	0	0	34,0024	17,5768	0,5093	-21,66	-4,24
748	Shell-Thin	SLE-ENVE	Min	0	0	0	30,6559	15,8697	1,0007	-21,66	-5,2
749	Shell-Thin	SLU-ENVE	Max	0	0	0	88,0912	39,5955	0,1305	30,16	0,65
749	Shell-Thin	SLU-ENVE	Max	0	0	0	76,5494	36,2949	0,1394	30,16	0,17
749	Shell-Thin	SLU-ENVE	Max	0	0	0	76,5493	36,2544	0,0336	30,18	0,17
749	Shell-Thin	SLU-ENVE	Max	0	0	0	88,0902	39,4232	0,0266	30,18	0,65
749	Shell-Thin	SLU-ENVE	Min	0	0	0	61,0631	30,1146	-0,0371	-13,58	-0,5
749	Shell-Thin	SLU-ENVE	Min	0	0	0	46,3891	26,1687	-0,03	-13,58	-0,47
749	Shell-Thin	SLU-ENVE	Min	0	0	0	46,3851	26,151	-0,0784	-13,52	-0,47
749	Shell-Thin	SLU-ENVE	Min	0	0	0	61,0684	30,0324	-0,0853	-13,52	-0,5
749	Shell-Thin	SLE-ENVE	Max	0	0	0	46,9242	21,5928	0,072	17,9	0,36
749	Shell-Thin	SLE-ENVE	Max	0	0	0	39,0009	19,5589	0,0768	17,9	0,09581
749	Shell-Thin	SLE-ENVE	Max	0	0	0	39,0006	19,5365	0,0186	17,92	0,09581
749	Shell-Thin	SLE-ENVE	Max	0	0	0	46,9237	21,4972	0,0147	17,92	0,36
749	Shell-Thin	SLE-ENVE	Min	0	0	0	34,3915	16,8246	-0,0207	-6,28	-0,28
749	Shell-Thin	SLE-ENVE	Min	0	0	0	25,6652	14,5178	-0,0169	-6,28	-0,26
749	Shell-Thin	SLE-ENVE	Min	0	0	0	25,6626	14,5081	-0,0438	-6,24	-0,26
749	Shell-Thin	SLE-ENVE	Min	0	0	0	34,3945	16,779	-0,0475	-6,24	-0,28
750	Shell-Thin	SLU-ENVE	Max	0	0	0	88,0881	39,4126	0,503	30,65	5,6
750	Shell-Thin	SLU-ENVE	Max	0	0	0	76,5499	36,2581	-0,3377	30,65	5,47
750	Shell-Thin	SLU-ENVE	Max	0	0	0	75,8929	36,8964	-0,413	30,49	5,47
750	Shell-Thin	SLU-ENVE	Max	0	0	0	87,599	41,7772	0,4277	30,49	5,6
750	Shell-Thin	SLU-ENVE	Min	0	0	0	61,0681	30,0308	0,0446	-14,08	-7,86
750	Shell-Thin	SLU-ENVE	Min	0	0	0	46,3856	26,1535	-0,6253	-14,08	-1,27
750	Shell-Thin	SLU-ENVE	Min	0	0	0	45,7986	26,4012	-0,9419	-15,57	-1,27
750	Shell-Thin	SLU-ENVE	Min	0	0	0	60,3999	31,4759	-0,2778	-15,57	-7,86
750	Shell-Thin	SLE-ENVE	Max	0	0	0	46,9225	21,4913	0,2794	18,18	3,11
750	Shell-Thin	SLE-ENVE	Max	0	0	0	39,0009	19,5386	-0,1875	18,18	3,04
750	Shell-Thin	SLE-ENVE	Max	0	0	0	38,6362	19,8935	-0,2292	18,46	3,04
750	Shell-Thin	SLE-ENVE	Max	0	0	0	46,6508	22,8049	0,2377	18,46	3,11
750	Shell-Thin	SLE-ENVE	Min	0	0	0	34,3943	16,7781	0,0244	-6,56	-4,37
750	Shell-Thin	SLE-ENVE	Min	0	0	0	25,6629	14,5096	-0,3474	-6,56	-0,71
750	Shell-Thin	SLE-ENVE	Min	0	0	0	25,337	14,6477	-0,5236	-7,39	-0,71
750	Shell-Thin	SLE-ENVE	Min	0	0	0	34,0229	17,5809	-0,1546	-7,39	-4,37
751	Shell-Thin	SLU-ENVE	Max	0	0	0	76,6098	36,294	0,4792	63,67	0,16
751	Shell-Thin	SLU-ENVE	Max	0	0	0	66,8782	29,8279	0,4877	63,67	0,57
751	Shell-Thin	SLU-ENVE	Max	0	0	0	66,903	29,6729	-0,3549	63,51	0,57
751	Shell-Thin	SLU-ENVE	Max	0	0	0	76,6087	36,2501	-0,3577	63,51	0,16
751	Shell-Thin	SLU-ENVE	Min	0	0	0	46,4117	26,1732	0,4301	22,39	-0,48
751	Shell-Thin	SLU-ENVE	Min	0	0	0	22,0231	17,4389	0,4329	22,39	-0,79
751	Shell-Thin	SLU-ENVE	Min	0	0	0	22,0696	17,5817	-0,437	22,33	-0,79
751	Shell-Thin	SLU-ENVE	Min	0	0	0	46,3964	26,1532	-0,4503	22,33	-0,48
751	Shell-Thin	SLE-ENVE	Max	0	0	0	39,0345	19,5584	0,2658	37,02	0,0878
751	Shell-Thin	SLE-ENVE	Max	0	0	0	33,1725	15,7734	0,2705	37,02	0,31
751	Shell-Thin	SLE-ENVE	Max	0	0	0	33,1873	15,6893	-0,1981	36,93	0,31
751	Shell-Thin	SLE-ENVE	Max	0	0	0	39,0334	19,5341	-0,1996	36,93	0,0878
751	Shell-Thin	SLE-ENVE	Min	0	0	0	25,6779	14,5203	0,2379	13,67	-0,27
751	Shell-Thin	SLE-ENVE	Min	0	0	0	11,1638	9,4748	0,2394	13,67	-0,45
751	Shell-Thin	SLE-ENVE	Min	0	0	0	11,1908	9,5567	-0,243	13,64	-0,45
751	Shell-Thin	SLE-ENVE	Min	0	0	0	25,6687	14,5093	-0,2504	13,64	-0,27
752	Shell-Thin	SLU-ENVE	Max	0	0	0	76,6093	36,2538	-0,884	63,97	5,37

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
752	Shell-Thin	SLU-ENVE	Max	0	0	0	66,8979	29,6474	-1,4073	63,97	4,71
752	Shell-Thin	SLU-ENVE	Max	0	0	0	66,9268	32,2477	-2,2673	65,02	4,71
752	Shell-Thin	SLU-ENVE	Max	0	0	0	75,8202	36,9185	-1,678	65,02	5,37
752	Shell-Thin	SLU-ENVE	Min	0	0	0	46,3969	26,1558	-0,9857	21,69	-1,65
752	Shell-Thin	SLU-ENVE	Min	0	0	0	22,0702	17,5848	-1,7298	21,69	-9,22
752	Shell-Thin	SLU-ENVE	Min	0	0	0	21,2572	16,942	-2,7098	20,04	-9,22
752	Shell-Thin	SLU-ENVE	Min	0	0	0	45,8778	26,417	-1,9218	20,04	-1,65
752	Shell-Thin	SLE-ENVE	Max	0	0	0	39,0337	19,5362	-0,4915	37,19	2,98
752	Shell-Thin	SLE-ENVE	Max	0	0	0	33,1844	15,6748	-0,7827	37,19	2,62
752	Shell-Thin	SLE-ENVE	Max	0	0	0	33,1988	17,1178	-1,2604	37,78	2,62
752	Shell-Thin	SLE-ENVE	Max	0	0	0	38,596	19,9058	-0,9317	37,78	2,98
752	Shell-Thin	SLE-ENVE	Min	0	0	0	25,669	14,5108	-0,5474	13,28	-0,92
752	Shell-Thin	SLE-ENVE	Min	0	0	0	11,1911	9,5581	-0,961	13,28	-5,11
752	Shell-Thin	SLE-ENVE	Min	0	0	0	10,7374	9,1989	-1,5053	12,38	-5,11
752	Shell-Thin	SLE-ENVE	Min	0	0	0	25,3812	14,6566	-1,0673	12,38	-0,92
753	Shell-Thin	SLU-ENVE	Max	0	0	0	66,9169	29,8357	0,895	99,24	0,59
753	Shell-Thin	SLU-ENVE	Max	0	0	0	29,9969	15,456	0,8943	99,24	2,23
753	Shell-Thin	SLU-ENVE	Max	0	0	0	29,8935	14,8888	-0,562	99,4	2,23
753	Shell-Thin	SLU-ENVE	Max	0	0	0	66,9304	29,6784	-0,5838	99,4	0,59
753	Shell-Thin	SLU-ENVE	Min	0	0	0	22,0785	17,45	0,6931	54,6	-0,76
753	Shell-Thin	SLU-ENVE	Min	0	0	0	-2,6315	6,5064	0,6902	54,6	1,25
753	Shell-Thin	SLU-ENVE	Min	0	0	0	-2,7065	6,196	-0,7887	54,82	1,25
753	Shell-Thin	SLU-ENVE	Min	0	0	0	22,1125	17,5903	-0,7879	54,82	-0,76
753	Shell-Thin	SLE-ENVE	Max	0	0	0	33,1941	15,7777	0,4971	55,68	0,32
753	Shell-Thin	SLE-ENVE	Max	0	0	0	11,8961	7,6349	0,4966	55,68	1,27
753	Shell-Thin	SLE-ENVE	Max	0	0	0	11,8367	7,3124	-0,3128	55,78	1,27
753	Shell-Thin	SLE-ENVE	Max	0	0	0	33,2023	15,6923	-0,3248	55,78	0,32
753	Shell-Thin	SLE-ENVE	Min	0	0	0	11,1948	9,481	0,3846	33,04	-0,43
753	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,8869	3,134	0,3828	33,04	0,74
753	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,9315	2,9503	-0,4385	33,17	0,74
753	Shell-Thin	SLE-ENVE	Min	0	0	0	11,2145	9,5615	-0,438	33,17	-0,43
754	Shell-Thin	SLU-ENVE	Max	0	0	0	66,9253	29,6529	-1,686	99,65	3,97
754	Shell-Thin	SLU-ENVE	Max	0	0	0	29,8999	14,9206	-2,0266	99,65	-5,13
754	Shell-Thin	SLU-ENVE	Max	0	0	0	30,6305	18,6955	-3,1692	99,95	-5,13
754	Shell-Thin	SLU-ENVE	Max	0	0	0	66,9736	32,257	-2,9165	99,95	3,97
754	Shell-Thin	SLU-ENVE	Min	0	0	0	22,1131	17,5934	-2,2618	54,19	-9,61
754	Shell-Thin	SLU-ENVE	Min	0	0	0	-2,6982	6,2374	-2,6835	54,19	-14,37
754	Shell-Thin	SLU-ENVE	Min	0	0	0	-2,3446	7,6461	-4,1516	51,87	-14,37
754	Shell-Thin	SLU-ENVE	Min	0	0	0	21,3064	16,9518	-3,7298	51,87	-9,61
754	Shell-Thin	SLE-ENVE	Max	0	0	0	33,1994	15,6778	-0,9377	55,92	2,21
754	Shell-Thin	SLE-ENVE	Max	0	0	0	11,8405	7,3312	-1,1286	55,92	-2,92
754	Shell-Thin	SLE-ENVE	Max	0	0	0	12,2482	9,4408	-1,7629	56,08	-2,92
754	Shell-Thin	SLE-ENVE	Max	0	0	0	33,2253	17,1231	-1,6218	56,08	2,21
754	Shell-Thin	SLE-ENVE	Min	0	0	0	11,2147	9,5628	-1,2572	32,82	-5,33
754	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,9266	2,9749	-1,4919	32,82	-8,03
754	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,7271	3,7766	-2,307	31,52	-8,03
754	Shell-Thin	SLE-ENVE	Min	0	0	0	10,7653	9,2045	-2,0723	31,52	-5,33
755	Shell-Thin	SLU-ENVE	Max	0	0	0	29,7733	15,4113	0,9256	145,04	2,96
755	Shell-Thin	SLU-ENVE	Max	0	0	0	-40,2097	-6,1664	0,1912	145,04	-4,2
755	Shell-Thin	SLU-ENVE	Max	0	0	0	-42,9114	-4,2596	-0,9833	152,57	-4,2
755	Shell-Thin	SLU-ENVE	Max	0	0	0	30,8375	15,0775	-0,3237	152,57	2,96
755	Shell-Thin	SLU-ENVE	Min	0	0	0	-2,7809	6,4765	0,6943	85,32	1,78
755	Shell-Thin	SLU-ENVE	Min	0	0	0	-48,5874	-7,5955	0,0347	85,32	-6,07

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
755	Shell-Thin	SLU-ENVE	Min	0	0	0	-50,8966	-6,2152	-1,3024	91,58	-6,07
755	Shell-Thin	SLU-ENVE	Min	0	0	0	-1,8801	6,3613	-0,4425	91,58	1,78
755	Shell-Thin	SLE-ENVE	Max	0	0	0	11,7645	7,6086	0,515	81,07	1,69
755	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,3711	-4,4433	0,0859	81,07	-2,55
755	Shell-Thin	SLE-ENVE	Max	0	0	0	-28,9289	-3,3398	-0,5665	85,42	-2,55
755	Shell-Thin	SLE-ENVE	Max	0	0	0	12,3783	7,4207	-0,1729	85,42	1,69
755	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,9812	3,1151	0,3871	50,79	1,06
755	Shell-Thin	SLE-ENVE	Min	0	0	0	-31,7198	-5,0646	-0,0065	50,79	-3,54
755	Shell-Thin	SLE-ENVE	Min	0	0	0	-33,0715	-4,2302	-0,7338	54,51	-3,54
755	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,446	3,0474	-0,24	54,51	1,06
756	Shell-Thin	SLU-ENVE	Max	0	0	0	30,8438	15,1094	-2,2595	153,71	-7,12
756	Shell-Thin	SLU-ENVE	Max	0	0	0	-42,9588	-4,4965	-0,852	153,71	4,12
756	Shell-Thin	SLU-ENVE	Max	0	0	0	-37,7064	-4,7805	-1,9522	141,01	4,12
756	Shell-Thin	SLU-ENVE	Max	0	0	0	29,7434	18,518	-3,3598	141,01	-7,12
756	Shell-Thin	SLU-ENVE	Min	0	0	0	-1,8718	6,4027	-3,0158	92,02	-16,57
756	Shell-Thin	SLU-ENVE	Min	0	0	0	-50,9313	-6,4426	-1,5118	92,02	-4,37
756	Shell-Thin	SLU-ENVE	Min	0	0	0	-46,9736	-7,0632	-3,0784	79,62	-4,37
756	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,1838	7,4783	-4,4876	79,62	-16,57
756	Shell-Thin	SLE-ENVE	Max	0	0	0	12,3821	7,4395	-1,2687	86,06	-4,06
756	Shell-Thin	SLE-ENVE	Max	0	0	0	-28,9562	-3,4762	-0,4509	86,06	2,44
756	Shell-Thin	SLE-ENVE	Max	0	0	0	-25,9545	-3,6762	-1,0597	78,76	2,44
756	Shell-Thin	SLE-ENVE	Max	0	0	0	11,7354	9,3382	-1,8776	78,76	-4,06
756	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,4411	3,072	-1,6821	54,77	-9,27
756	Shell-Thin	SLE-ENVE	Min	0	0	0	-33,092	-4,3638	-0,8218	54,77	-2,33
756	Shell-Thin	SLE-ENVE	Min	0	0	0	-30,792	-4,8862	-1,6901	47,51	-2,33
756	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,2239	3,6773	-2,4984	47,51	-9,27
757	Shell-Thin	SLU-ENVE	Max	0	0	0	-39,7361	-6,0717	-1,6781	215,54	-7,44
757	Shell-Thin	SLU-ENVE	Max	0	0	0	-80,0473	-21,5125	-0,8378	215,54	-81,04
757	Shell-Thin	SLU-ENVE	Max	0	0	0	-68,5111	0,2145	-0,6948	141,02	-81,04
757	Shell-Thin	SLU-ENVE	Max	0	0	0	-44,2129	-4,5199	-1,4693	141,02	-7,44
757	Shell-Thin	SLU-ENVE	Min	0	0	0	-48,1124	-7,5246	-2,5752	146,23	-10,06
757	Shell-Thin	SLU-ENVE	Min	0	0	0	-93,8514	-25,8379	-1,5473	146,23	-108,32
757	Shell-Thin	SLU-ENVE	Min	0	0	0	-79,7055	-3,6912	-1,0531	85,25	-108,32
757	Shell-Thin	SLU-ENVE	Min	0	0	0	-51,9274	-6,4387	-1,9393	85,25	-10,06
757	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,0968	-4,3884	-1,0045	120,81	-4,49
757	Shell-Thin	SLE-ENVE	Max	0	0	0	-49,7982	-13,2309	-0,512	120,81	-48,21
757	Shell-Thin	SLE-ENVE	Max	0	0	0	-42,9251	-0,6364	-0,4054	77,82	-48,21
757	Shell-Thin	SLE-ENVE	Max	0	0	0	-29,6784	-3,4897	-0,8681	77,82	-4,49
757	Shell-Thin	SLE-ENVE	Min	0	0	0	-31,4424	-5,0218	-1,4778	85,89	-5,82
757	Shell-Thin	SLE-ENVE	Min	0	0	0	-57,4541	-15,5036	-0,8899	85,89	-61,82
757	Shell-Thin	SLE-ENVE	Min	0	0	0	-49,2918	-2,6836	-0,6002	49,58	-61,82
757	Shell-Thin	SLE-ENVE	Min	0	0	0	-33,6761	-4,3625	-1,111	49,58	-5,82
758	Shell-Thin	SLU-ENVE	Max	0	0	0	-44,2603	-4,7568	2,3311	148,04	6,79
758	Shell-Thin	SLU-ENVE	Max	0	0	0	-68,414	0,8785	1,3383	148,04	160,84
758	Shell-Thin	SLU-ENVE	Max	0	0	0	-84,9815	-30,6701	-0,2686	259,01	160,84
758	Shell-Thin	SLU-ENVE	Max	0	0	0	-36,1772	-4,4747	0,6678	259,01	6,79
758	Shell-Thin	SLU-ENVE	Min	0	0	0	-51,9621	-6,6661	0,6198	91,38	0,77
758	Shell-Thin	SLU-ENVE	Min	0	0	0	-79,5988	-3,2913	0,0167	91,38	115,61
758	Shell-Thin	SLU-ENVE	Min	0	0	0	-99,3056	-38,3393	-1,5294	186,89	115,61
758	Shell-Thin	SLU-ENVE	Min	0	0	0	-45,7856	-6,8256	-0,9263	186,89	0,77
758	Shell-Thin	SLE-ENVE	Max	0	0	0	-29,7057	-3,6261	1,3466	81,84	4,05
758	Shell-Thin	SLE-ENVE	Max	0	0	0	-42,868	-0,2592	0,7747	81,84	91,7
758	Shell-Thin	SLE-ENVE	Max	0	0	0	-52,7022	-18,6343	-0,1005	145,45	91,7

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1° LOTTO – Piovene Rocchette – Valle dell’Astico

Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
758	Shell-Thin	SLE-ENVE	Max	0	0	0	-25,029	-3,5003	0,4163	145,45	4,05
758	Shell-Thin	SLE-ENVE	Min	0	0	0	-33,6965	-4,4961	0,4232	53,18	0,61
758	Shell-Thin	SLE-ENVE	Min	0	0	0	-49,2304	-2,4489	0,0572	53,18	67,81
758	Shell-Thin	SLE-ENVE	Min	0	0	0	-60,449	-22,6119	-0,8112	109,62	67,81
758	Shell-Thin	SLE-ENVE	Min	0	0	0	-30,0959	-4,7469	-0,4452	109,62	0,61
759	Shell-Thin	SLU-ENVE	Max	0	0	0	-80,1334	-21,5297	3,0008	-83,47	-79,53
759	Shell-Thin	SLU-ENVE	Max	0	0	0	-57,6191	-12,9609	3,4522	-83,47	-1
759	Shell-Thin	SLU-ENVE	Max	0	0	0	-63,9328	-13,05	1,2447	3,64	-1
759	Shell-Thin	SLU-ENVE	Max	0	0	0	-68,3051	0,2693	0,7933	3,64	-79,53
759	Shell-Thin	SLU-ENVE	Min	0	0	0	-93,9479	-25,8608	2,2449	-101,03	-106,33
759	Shell-Thin	SLU-ENVE	Min	0	0	0	-70,5219	-16,2089	2,5832	-101,03	-1,67
759	Shell-Thin	SLU-ENVE	Min	0	0	0	-78,2651	-16,2083	0,9437	-10,93	-1,67
759	Shell-Thin	SLU-ENVE	Min	0	0	0	-79,449	-3,6457	0,6054	-10,93	-106,33
759	Shell-Thin	SLE-ENVE	Max	0	0	0	-49,8496	-13,2411	1,7086	-51,44	-47,3
759	Shell-Thin	SLE-ENVE	Max	0	0	0	-36,0298	-8,0142	1,9661	-51,44	-0,59
759	Shell-Thin	SLE-ENVE	Max	0	0	0	-39,7954	-8,0681	0,7162	-0,98	-0,59
759	Shell-Thin	SLE-ENVE	Max	0	0	0	-42,8022	-0,605	0,4587	-0,98	-47,3
759	Shell-Thin	SLE-ENVE	Min	0	0	0	-57,5101	-15,5168	1,3261	-60,57	-60,68
759	Shell-Thin	SLE-ENVE	Min	0	0	0	-43,2333	-9,8215	1,5277	-60,57	-0,94
759	Shell-Thin	SLE-ENVE	Min	0	0	0	-47,7062	-9,8275	0,5721	-8,2	-0,94
759	Shell-Thin	SLE-ENVE	Min	0	0	0	-49,1436	-2,657	0,3704	-8,2	-60,68
760	Shell-Thin	SLU-ENVE	Max	0	0	0	-68,2081	0,9333	-2,8161	-2,63	158,34
760	Shell-Thin	SLU-ENVE	Max	0	0	0	-63,9512	-13,1419	-2,9892	-2,63	-2,58
760	Shell-Thin	SLU-ENVE	Max	0	0	0	-53,4258	-12,2119	-3,0611	-115,3	-2,58
760	Shell-Thin	SLU-ENVE	Max	0	0	0	-85,2215	-30,7181	-2,888	-115,3	158,34
760	Shell-Thin	SLU-ENVE	Min	0	0	0	-79,3422	-3,2458	-3,7872	-16,73	113,06
760	Shell-Thin	SLU-ENVE	Min	0	0	0	-78,2845	-16,3054	-4,0343	-16,73	-4,05
760	Shell-Thin	SLU-ENVE	Min	0	0	0	-65,8888	-15,5551	-4,1107	-161,09	-4,05
760	Shell-Thin	SLU-ENVE	Min	0	0	0	-99,6272	-38,4036	-3,9725	-161,09	113,06
760	Shell-Thin	SLE-ENVE	Max	0	0	0	-42,7451	-0,2279	-1,6404	-4,59	90,26
760	Shell-Thin	SLE-ENVE	Max	0	0	0	-39,8063	-8,1224	-1,7527	-4,59	-1,47
760	Shell-Thin	SLE-ENVE	Max	0	0	0	-33,6033	-7,5814	-1,7829	-70,09	-1,47
760	Shell-Thin	SLE-ENVE	Max	0	0	0	-52,8448	-18,6629	-1,6706	-70,09	90,26
760	Shell-Thin	SLE-ENVE	Min	0	0	0	-49,0823	-2,4222	-2,1437	-11,63	66,33
760	Shell-Thin	SLE-ENVE	Min	0	0	0	-47,7174	-9,8836	-2,2892	-11,63	-2,29
760	Shell-Thin	SLE-ENVE	Min	0	0	0	-40,5963	-9,4464	-2,3267	-94,6	-2,29
760	Shell-Thin	SLE-ENVE	Min	0	0	0	-60,6327	-22,6486	-2,2506	-94,6	66,33
761	Shell-Thin	SLU-ENVE	Max	0	0	0	0,0121	2,4029	0,3139	6,94	1,41
761	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,014	1,5212	0,303	6,94	0,14
761	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,0331	1,479	0,4037	6,83	0,14
761	Shell-Thin	SLU-ENVE	Max	0	0	0	-0,0107	2,0426	0,4146	6,83	1,41
761	Shell-Thin	SLU-ENVE	Min	0	0	0	0,0094	-3,785	-0,1878	4,32	0,21
761	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,6633	-4,1836	-0,1717	4,32	-1,01
761	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,6261	-3,9249	-0,238	4,31	-1,01
761	Shell-Thin	SLU-ENVE	Min	0	0	0	-0,0119	-3,8327	-0,254	4,31	0,21
761	Shell-Thin	SLE-ENVE	Max	0	0	0	0,008	1,3463	0,1753	4,74	0,9
761	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5556	0,7535	0,1703	4,74	0,05313
761	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5659	0,7352	0,2271	4,67	0,05313
761	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0072	1,117	0,232	4,67	0,9
761	Shell-Thin	SLE-ENVE	Min	0	0	0	0,0065	-2,1005	-0,1058	3,27	0,23
761	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4755	-2,4234	-0,0958	3,27	-0,58
761	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4545	-2,2747	-0,1323	3,26	-0,58
761	Shell-Thin	SLE-ENVE	Min	0	0	0	-0,0078	-2,1567	-0,1423	3,26	0,23

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
762	Shell-Thin	SLU-ENVE	Max	0	0	0	-0,0107	2,043	0,5496	6,83	-0,52
762	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,0332	1,4789	0,5104	6,83	0,69
762	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,0704	1,3075	0,6089	6,77	0,69
762	Shell-Thin	SLU-ENVE	Max	0	0	0	0,0118	2,1746	0,6481	6,77	-0,52
762	Shell-Thin	SLU-ENVE	Min	0	0	0	-0,012	-3,833	-0,2884	4,3	-2,23
762	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,6261	-3,9248	-0,2912	4,3	-0,99
762	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,5734	-3,6575	-0,3547	4,42	-0,99
762	Shell-Thin	SLU-ENVE	Min	0	0	0	0,0102	-3,2556	-0,3519	4,42	-2,23
762	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0071	1,1172	0,3113	4,67	-0,41
762	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5659	0,7351	0,2884	4,67	0,4
762	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5866	0,6356	0,3439	4,64	0,4
762	Shell-Thin	SLE-ENVE	Max	0	0	0	0,0078	1,2204	0,3669	4,64	-0,41
762	Shell-Thin	SLE-ENVE	Min	0	0	0	-0,0079	-2,1568	-0,1576	3,26	-1,36
762	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4545	-2,2747	-0,1603	3,26	-0,53
762	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4256	-2,1312	-0,1953	3,33	-0,53
762	Shell-Thin	SLE-ENVE	Min	0	0	0	0,0069	-1,8065	-0,1926	3,33	-1,36
763	Shell-Thin	SLU-ENVE	Max	0	0	0	0,0119	2,175	0,7154	6,78	1,77
763	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,0703	1,3079	0,6944	6,78	0,44
763	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,1066	1,1867	0,7911	6,59	0,44
763	Shell-Thin	SLU-ENVE	Max	0	0	0	-0,0103	1,7219	0,8121	6,59	1,77
763	Shell-Thin	SLU-ENVE	Min	0	0	0	0,0101	-3,2564	-0,448	4,4	-0,39
763	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,5732	-3,6564	-0,4247	4,4	-1,65
763	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,497	-3,2334	-0,4838	4,43	-1,65
763	Shell-Thin	SLU-ENVE	Min	0	0	0	-0,0108	-3,148	-0,507	4,43	-0,39
763	Shell-Thin	SLE-ENVE	Max	0	0	0	0,0079	1,2206	0,4014	4,65	1,1
763	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5865	0,636	0,3913	4,65	0,22
763	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,6058	0,5734	0,446	4,53	0,22
763	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0069	0,9385	0,4561	4,53	1,1
763	Shell-Thin	SLE-ENVE	Min	0	0	0	0,0069	-1,807	-0,2493	3,32	-0,09527
763	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4255	-2,1305	-0,2349	3,32	-0,94
763	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,3824	-1,8912	-0,2673	3,33	-0,94
763	Shell-Thin	SLE-ENVE	Min	0	0	0	-0,0072	-1,7781	-0,2817	3,33	-0,09527
764	Shell-Thin	SLU-ENVE	Max	0	0	0	-0,01	1,7242	0,9446	6,57	-0,07555
764	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,107	1,1848	0,894	6,57	0,89
764	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,1647	0,9621	0,9949	6,43	0,89
764	Shell-Thin	SLU-ENVE	Max	0	0	0	0,0078	1,7428	1,0454	6,43	-0,07555
764	Shell-Thin	SLU-ENVE	Min	0	0	0	-0,0104	-3,1464	-0,53	4,39	-2,52
764	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,4974	-3,2357	-0,5294	4,39	-1,58
764	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,4145	-2,8145	-0,578	4,54	-1,58
764	Shell-Thin	SLU-ENVE	Min	0	0	0	0,0009926	-2,4916	-0,5785	4,54	-2,52
764	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0067	0,9399	0,5345	4,52	-0,14
764	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,6061	0,5722	0,5052	4,52	0,51
764	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,6382	0,4462	0,563	4,45	0,51
764	Shell-Thin	SLE-ENVE	Max	0	0	0	0,0049	0,9752	0,5923	4,45	-0,14
764	Shell-Thin	SLE-ENVE	Min	0	0	0	-0,0069	-1,777	-0,2902	3,3	-1,49
764	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,3827	-1,8927	-0,2912	3,3	-0,87
764	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,3372	-1,6617	-0,317	3,39	-0,87
764	Shell-Thin	SLE-ENVE	Min	0	0	0	0,0011	-1,3893	-0,3161	3,39	-1,49
765	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,0237	1,5193	0,2991	16,2	0,19
765	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,0497	0,0009651	0,3256	16,2	0,3
765	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,1112	-0,0662	0,4303	16,06	0,3
765	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,0266	1,4803	0,4038	16,06	0,19
765	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,6657	-4,1841	-0,1733	12,32	-1,1

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
765	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,9758	-5,3415	-0,1913	12,32	-1,14
765	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,8563	-5,0704	-0,2583	12,44	-1,14
765	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,615	-3,9227	-0,2403	12,44	-1,1
765	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5616	0,7523	0,1684	10,81	0,08431
765	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,8149	-0,2685	0,1832	10,81	0,15
765	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,8486	-0,3016	0,2425	10,74	0,15
765	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5614	0,7361	0,2276	10,74	0,08431
765	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4777	-2,4238	-0,0966	8,65	-0,63
765	Shell-Thin	SLE-ENVE	Min	0	0	0	-8,0022	-3,2419	-0,1064	8,65	-0,64
765	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,9361	-3,0889	-0,1429	8,72	-0,64
765	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4474	-2,2733	-0,1331	8,72	-0,63
766	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,0266	1,4802	0,5029	16,07	0,76
766	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,1112	-0,0662	0,5399	16,07	0,61
766	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,1919	-0,2047	0,644	15,82	0,61
766	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,0797	1,3056	0,607	15,82	0,76
766	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,6149	-3,9225	-0,3021	12,43	-1,13
766	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,8563	-5,0702	-0,3318	12,43	-1,22
766	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,6953	-4,7831	-0,3961	12,48	-1,22
766	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,5768	-3,6581	-0,3664	12,48	-1,13
766	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5614	0,736	0,2838	10,74	0,44
766	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,8486	-0,3016	0,3041	10,74	0,35
766	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,8935	-0,382	0,363	10,6	0,35
766	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5925	0,6345	0,3427	10,6	0,44
766	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4474	-2,2733	-0,1667	8,71	-0,61
766	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,9361	-3,0888	-0,1832	8,71	-0,67
766	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,8466	-2,9318	-0,2183	8,74	-0,67
766	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4283	-2,1317	-0,2018	8,74	-0,61
767	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,0796	1,3061	0,6979	15,84	0,53
767	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,1925	-0,2072	0,759	15,84	0,64
767	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,2942	-0,3516	0,859	15,56	0,64
767	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,1019	1,1877	0,7979	15,56	0,53
767	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,5766	-3,6571	-0,4275	12,47	-1,82
767	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,6961	-4,7872	-0,4573	12,47	-1,83
767	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,4671	-4,361	-0,5189	12,63	-1,83
767	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,4888	-3,2318	-0,4891	12,63	-1,82
767	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5924	0,6348	0,3939	10,61	0,27
767	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,8938	-0,3839	0,4286	10,61	0,34
767	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,948	-0,4611	0,4852	10,46	0,34
767	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,6026	0,5741	0,4505	10,46	0,27
767	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,4282	-2,1311	-0,2357	8,74	-1,03
767	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,8471	-2,9344	-0,251	8,74	-1,02
767	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,719	-2,6963	-0,2848	8,83	-1,02
767	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,3772	-1,8902	-0,2695	8,83	-1,03
768	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,1023	1,1858	0,8957	15,57	0,99
768	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,2935	-0,348	0,9568	15,57	0,91
768	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,4254	-0,5524	1,0519	15,24	0,91
768	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,1685	0,9614	0,9908	15,24	0,99
768	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,4892	-3,2341	-0,542	12,61	-1,8
768	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,4661	-4,3558	-0,5887	12,61	-1,8
768	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,2266	-3,9375	-0,6469	12,75	-1,8
768	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,4145	-2,8145	-0,6001	12,75	-1,8
768	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,6028	0,5728	0,5061	10,47	0,56
768	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,9475	-0,4586	0,5397	10,47	0,52



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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
768	Shell-Thin	SLE-ENVE	Max	0	0	0	-6,0212	-0,5756	0,5934	10,28	0,52
768	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,6405	0,4457	0,5598	10,28	0,56
768	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,3775	-1,8917	-0,2979	8,82	-0,99
768	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,7184	-2,693	-0,324	8,82	-0,99
768	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,5859	-2,4635	-0,356	8,89	-0,99
768	Shell-Thin	SLE-ENVE	Min	0	0	0	-2,3374	-1,6618	-0,33	8,89	-0,99
769	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,0463	0,0016	0,3629	26,77	0,38
769	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,4288	-2,4154	0,4965	26,77	0,77
769	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,5178	-2,5847	0,6403	26,39	0,77
769	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,1211	-0,0682	0,5067	26,39	0,38
769	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,9574	-5,3378	-0,2256	21,09	-1,33
769	Shell-Thin	SLU-ENVE	Min	0	0	0	-25,6298	-7,2511	-0,274	21,09	-0,44
769	Shell-Thin	SLU-ENVE	Min	0	0	0	-25,3438	-7,2083	-0,355	21,12	-0,44
769	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,8608	-5,0713	-0,3066	21,12	-1,33
769	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,812	-0,2679	0,203	17,15	0,19
769	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,7217	-1,8209	0,2782	17,15	0,5
769	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,7688	-1,9336	0,3597	16,93	0,5
769	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,8553	-0,3029	0,2844	16,93	0,19
769	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,9912	-3,2397	-0,1263	13,99	-0,75
769	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,7308	-4,5163	-0,1516	13,99	-0,19
769	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,5697	-4,5052	-0,1952	14	-0,19
769	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,9395	-3,0896	-0,1699	14	-0,75
770	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,1211	-0,0682	0,6184	26,42	0,73
770	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,5177	-2,584	0,7777	26,42	0,27
770	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,7037	-2,6056	0,9154	26,04	0,27
770	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,1877	-0,2038	0,7562	26,04	0,73
770	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,8608	-5,0711	-0,3717	21,1	-1,48
770	Shell-Thin	SLU-ENVE	Min	0	0	0	-25,3443	-7,2106	-0,4638	21,1	-2,47
770	Shell-Thin	SLU-ENVE	Min	0	0	0	-24,9769	-6,6739	-0,5404	21,34	-2,47
770	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,6804	-4,7801	-0,4482	21,34	-1,48
770	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,8553	-0,3029	0,3481	16,95	0,42
770	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,7687	-1,9333	0,4353	16,95	0,07616
770	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,8738	-1,9261	0,5133	16,75	0,07616
770	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,8901	-0,3813	0,4261	16,75	0,42
770	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,9395	-3,0895	-0,2049	13,99	-0,81
770	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,5699	-4,5065	-0,2573	13,99	-1,42
770	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,3686	-4,1958	-0,2985	14,13	-1,42
770	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,8375	-2,93	-0,2461	14,13	-0,81
771	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,1883	-0,2064	0,8696	26,07	0,77
771	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,7018	-2,5962	1,1059	26,07	1,44
771	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,9025	-2,91	1,2347	25,56	1,44
771	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,3011	-0,3529	0,9983	25,56	0,77
771	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,6813	-4,7842	-0,5142	21,33	-2,16
771	Shell-Thin	SLU-ENVE	Min	0	0	0	-24,9741	-6,6599	-0,6065	21,33	-1,05
771	Shell-Thin	SLU-ENVE	Min	0	0	0	-24,5056	-6,5154	-0,6819	21,5	-1,05
771	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,469	-4,3613	-0,5896	21,5	-2,16
771	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,8905	-0,3832	0,4904	16,77	0,41
771	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,8724	-1,9194	0,6232	16,77	0,91
771	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,9842	-2,1235	0,6958	16,48	0,91
771	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,9525	-0,462	0,563	16,48	0,41
771	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,8381	-2,9326	-0,2816	14,13	-1,21
771	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,3668	-4,1868	-0,3305	14,13	-0,5
771	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,1065	-4,128	-0,3716	14,23	-0,5

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
771	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,7206	-2,6966	-0,3228	14,23	-1,21
772	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,3004	-0,3494	1,0917	25,66	1,07
772	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,9052	-2,9235	1,3421	25,66	0,48
772	Shell-Thin	SLU-ENVE	Max	0	0	0	-19,1475	-2,9784	1,4491	25,02	0,48
772	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,4238	-0,5521	1,1986	25,02	1,07
772	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,468	-4,3561	-0,6574	21,52	-2,18
772	Shell-Thin	SLU-ENVE	Min	0	0	0	-24,5102	-6,5381	-0,7883	21,52	-3,13
772	Shell-Thin	SLU-ENVE	Min	0	0	0	-23,9418	-5,8802	-0,8648	21,75	-3,13
772	Shell-Thin	SLU-ENVE	Min	0	0	0	-11,2198	-3,9361	-0,734	21,75	-2,18
772	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,952	-0,4595	0,6151	16,54	0,61
772	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,9861	-2,1332	0,7537	16,54	0,19
772	Shell-Thin	SLE-ENVE	Max	0	0	0	-13,1179	-2,1432	0,8132	16,18	0,19
772	Shell-Thin	SLE-ENVE	Max	0	0	0	-6,0198	-0,5753	0,6746	16,18	0,61
772	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,72	-2,6933	-0,3612	14,24	-1,2
772	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,1094	-4,1424	-0,4339	14,24	-1,8
772	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,7931	-3,7626	-0,4771	14,37	-1,8
772	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,5817	-2,4627	-0,4044	14,37	-1,2
773	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,7342	-2,4765	0,902	34,23	0,91
773	Shell-Thin	SLU-ENVE	Max	0	0	0	-31,8443	-5,9284	0,8068	34,23	1,77
773	Shell-Thin	SLU-ENVE	Max	0	0	0	-33,2279	-6,1965	0,9826	39,59	1,77
773	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,2495	-2,531	1,0778	39,59	0,91
773	Shell-Thin	SLU-ENVE	Min	0	0	0	-26,1356	-7,3523	-0,18	26,85	-0,76
773	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,6043	-10,2362	-0,5276	26,85	-0,5
773	Shell-Thin	SLU-ENVE	Min	0	0	0	-45,0153	-10,0645	-0,6839	30,58	-0,5
773	Shell-Thin	SLU-ENVE	Min	0	0	0	-24,871	-7,1138	-0,3362	30,58	-0,76
773	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,9424	-1,865	0,5231	22	0,58
773	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,6702	-4,1162	0,4403	22	1,12
773	Shell-Thin	SLE-ENVE	Max	0	0	0	-22,635	-4,279	0,5349	25,42	1,12
773	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,5738	-1,8946	0,6177	25,42	0,58
773	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,0503	-4,5802	-0,0734	17,82	-0,37
773	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,2388	-6,506	-0,3058	17,82	-0,14
773	Shell-Thin	SLE-ENVE	Min	0	0	0	-29,1735	-6,4299	-0,3972	20,49	-0,14
773	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,2723	-4,4457	-0,1648	20,49	-0,37
774	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,2493	-2,5304	0,8197	39,62	0,42
774	Shell-Thin	SLU-ENVE	Max	0	0	0	-33,2284	-6,1987	1,6554	39,62	-0,51
774	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,3151	-6,1035	1,8212	32,96	-0,51
774	Shell-Thin	SLU-ENVE	Max	0	0	0	-19,0154	-2,668	0,9856	32,96	0,42
774	Shell-Thin	SLU-ENVE	Min	0	0	0	-24,8715	-7,1161	-0,6869	30,56	-3,06
774	Shell-Thin	SLU-ENVE	Min	0	0	0	-45,0137	-10,0564	-0,622	30,56	-3,38
774	Shell-Thin	SLU-ENVE	Min	0	0	0	-42,2675	-9,6285	-0,7729	27,2	-3,38
774	Shell-Thin	SLU-ENVE	Min	0	0	0	-25,4572	-6,77	-0,8377	27,2	-3,06
774	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,5737	-1,8942	0,4432	25,44	0,16
774	Shell-Thin	SLE-ENVE	Max	0	0	0	-22,6353	-4,2802	0,9369	25,44	-0,42
774	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,931	-4,2133	1,026	21,29	-0,42
774	Shell-Thin	SLE-ENVE	Max	0	0	0	-13,098	-1,9709	0,5322	21,29	0,16
774	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,2726	-4,447	-0,4007	20,48	-1,75
774	Shell-Thin	SLE-ENVE	Min	0	0	0	-29,1726	-6,4254	-0,3249	20,48	-2,01
774	Shell-Thin	SLE-ENVE	Min	0	0	0	-27,4969	-6,1685	-0,4134	18,02	-2,01
774	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,6739	-4,2568	-0,4892	18,02	-1,75
775	Shell-Thin	SLU-ENVE	Max	0	0	0	-19,0136	-2,6586	1,5726	32,65	2
775	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,3179	-6,1176	1,5056	32,65	-0,04445
775	Shell-Thin	SLU-ENVE	Max	0	0	0	-34,1787	-5,7988	1,7519	38,01	-0,04445
775	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,604	-2,8503	1,8189	38,01	2

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
775	Shell-Thin	SLU-ENVE	Min	0	0	0	-25,4544	-6,7559	-0,6431	26,87	-1,2
775	Shell-Thin	SLU-ENVE	Min	0	0	0	-42,2735	-9,6582	-1,2583	26,87	-4,82
775	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,5366	-8,4191	-1,3241	31,41	-4,82
775	Shell-Thin	SLU-ENVE	Min	0	0	0	-24,0373	-6,4217	-0,7089	31,41	-1,2
775	Shell-Thin	SLE-ENVE	Max	0	0	0	-13,0966	-1,9642	0,8946	21,09	1,28
775	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,9331	-4,2236	0,8075	21,09	-0,25
775	Shell-Thin	SLE-ENVE	Max	0	0	0	-23,2076	-3,9567	0,9503	24,59	-0,25
775	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,7689	-2,0804	1,0374	24,59	1,28
775	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,6721	-4,2479	-0,3346	17,79	-0,54
775	Shell-Thin	SLE-ENVE	Min	0	0	0	-27,5006	-6,1869	-0,7416	17,79	-2,81
775	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,3876	-5,4399	-0,7709	20,99	-2,81
775	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,8089	-4,0685	-0,3638	20,99	-0,54
776	Shell-Thin	SLU-ENVE	Max	0	0	0	-18,6067	-2,8638	1,5683	37,95	0,38
776	Shell-Thin	SLU-ENVE	Max	0	0	0	-34,1674	-5,7426	2,7116	37,95	2,82
776	Shell-Thin	SLU-ENVE	Max	0	0	0	-33,4445	-6,4955	2,9613	32,07	2,82
776	Shell-Thin	SLU-ENVE	Max	0	0	0	-19,2815	-3,0052	1,818	32,07	0,38
776	Shell-Thin	SLU-ENVE	Min	0	0	0	-24,0418	-6,4445	-1,0544	31,3	-4,39
776	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,5182	-8,327	-0,9598	31,3	-0,23
776	Shell-Thin	SLU-ENVE	Min	0	0	0	-40,6755	-8,8421	-1,004	28,5	-0,23
776	Shell-Thin	SLU-ENVE	Min	0	0	0	-24,1386	-5,9196	-1,0986	28,5	-4,39
776	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,7708	-2,0902	0,8669	24,54	0,06835
776	Shell-Thin	SLE-ENVE	Max	0	0	0	-23,1995	-3,9161	1,5447	24,54	1,89
776	Shell-Thin	SLE-ENVE	Max	0	0	0	-22,6119	-4,4427	1,6912	20,89	1,89
776	Shell-Thin	SLE-ENVE	Max	0	0	0	-13,2138	-2,1623	1,0134	20,89	0,06835
776	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,8118	-4,0829	-0,597	20,92	-2,54
776	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,3759	-5,3817	-0,4868	20,92	0,09117
776	Shell-Thin	SLE-ENVE	Min	0	0	0	-26,6556	-5,7434	-0,5015	18,85	0,09117
776	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,9187	-3,7878	-0,6117	18,85	-2,54
777	Shell-Thin	SLU-ENVE	Max	0	0	0	-55,0164	-15,5885	-1,7361	-38,15	-8,03
777	Shell-Thin	SLU-ENVE	Max	0	0	0	-34,781	-12,6555	-2,2647	-38,15	-1,02
777	Shell-Thin	SLU-ENVE	Max	0	0	0	-31,182	-12,1368	-2,8441	-53,97	-1,02
777	Shell-Thin	SLU-ENVE	Max	0	0	0	-59,3261	-13,3172	-2,3156	-53,97	-8,03
777	Shell-Thin	SLU-ENVE	Min	0	0	0	-67,6909	-20,7205	-3,3855	-48,02	-11,66
777	Shell-Thin	SLU-ENVE	Min	0	0	0	-42,0091	-17,9329	-3,4393	-48,02	-3,69
777	Shell-Thin	SLU-ENVE	Min	0	0	0	-37,4619	-17,0894	-4,2758	-65,14	-3,69
777	Shell-Thin	SLU-ENVE	Min	0	0	0	-71,7058	-18,2568	-4,222	-65,14	-11,66
777	Shell-Thin	SLE-ENVE	Max	0	0	0	-34,5451	-9,4918	-0,9468	-24,08	-4,41
777	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,8656	-7,5215	-1,286	-24,08	-0,46
777	Shell-Thin	SLE-ENVE	Max	0	0	0	-19,7616	-7,2357	-1,6047	-33,51	-0,46
777	Shell-Thin	SLE-ENVE	Max	0	0	0	-37,1518	-8,2203	-1,2654	-33,51	-4,41
777	Shell-Thin	SLE-ENVE	Min	0	0	0	-41,6352	-12,3348	-1,8714	-29,67	-6,38
777	Shell-Thin	SLE-ENVE	Min	0	0	0	-25,8719	-10,4616	-1,9315	-29,67	-1,97
777	Shell-Thin	SLE-ENVE	Min	0	0	0	-23,2768	-9,9926	-2,3946	-39,61	-1,97
777	Shell-Thin	SLE-ENVE	Min	0	0	0	-44,0081	-10,9722	-2,3346	-39,61	-6,38
778	Shell-Thin	SLU-ENVE	Max	0	0	0	-59,3182	-13,278	-4,7109	-54,07	-2,94
778	Shell-Thin	SLU-ENVE	Max	0	0	0	-31,1842	-12,1478	-2,0675	-54,07	-9,94
778	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,8688	-10,9852	-2,6173	-34,41	-9,94
778	Shell-Thin	SLU-ENVE	Max	0	0	0	-51,1743	-13,8651	-5,2607	-34,41	-2,94
778	Shell-Thin	SLU-ENVE	Min	0	0	0	-71,6928	-18,1918	-7,1202	-65,38	-8,37
778	Shell-Thin	SLU-ENVE	Min	0	0	0	-37,4656	-17,1079	-3,5022	-65,38	-14,99
778	Shell-Thin	SLU-ENVE	Min	0	0	0	-38,694	-15,1687	-4,2717	-42,3	-14,99
778	Shell-Thin	SLU-ENVE	Min	0	0	0	-61,3709	-18,0786	-7,8896	-42,3	-8,37
778	Shell-Thin	SLE-ENVE	Max	0	0	0	-37,1475	-8,1985	-2,6436	-33,56	-1,68

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
778	Shell-Thin	SLE-ENVE	Max	0	0	0	-19,7628	-7,2418	-1,1297	-33,56	-5,62
778	Shell-Thin	SLE-ENVE	Max	0	0	0	-20,8035	-6,5935	-1,4319	-22,01	-5,62
778	Shell-Thin	SLE-ENVE	Max	0	0	0	-32,4109	-8,5344	-2,9458	-22,01	-1,68
778	Shell-Thin	SLE-ENVE	Min	0	0	0	-44,0009	-10,9361	-3,9751	-39,74	-4,72
778	Shell-Thin	SLE-ENVE	Min	0	0	0	-23,2789	-10,0029	-1,9363	-39,74	-8,38
778	Shell-Thin	SLE-ENVE	Min	0	0	0	-24,0316	-8,9267	-2,3622	-26,49	-8,38
778	Shell-Thin	SLE-ENVE	Min	0	0	0	-38,126	-10,8676	-4,401	-26,49	-4,72
779	Shell-Thin	SLU-ENVE	Max	0	0	0	-51,2023	-14,0049	-4,2318	-34,68	-12,6
779	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,8619	-10,9507	-4,1897	-34,68	-3,46
779	Shell-Thin	SLU-ENVE	Max	0	0	0	-29,2095	-10,1059	-4,6891	-47,5	-3,46
779	Shell-Thin	SLU-ENVE	Max	0	0	0	-53,9587	-10,8751	-4,7312	-47,5	-12,6
779	Shell-Thin	SLU-ENVE	Min	0	0	0	-61,4026	-18,2374	-7,0397	-42,42	-22,3
779	Shell-Thin	SLU-ENVE	Min	0	0	0	-38,6859	-15,1282	-6,0542	-42,42	-9,3
779	Shell-Thin	SLU-ENVE	Min	0	0	0	-34,0252	-13,2953	-6,8076	-53,57	-9,3
779	Shell-Thin	SLU-ENVE	Min	0	0	0	-62,3151	-13,1551	-7,7931	-53,57	-22,3
779	Shell-Thin	SLE-ENVE	Max	0	0	0	-32,4271	-8,6152	-2,3113	-22,12	-7,25
779	Shell-Thin	SLE-ENVE	Max	0	0	0	-20,7994	-6,5729	-2,3539	-22,12	-1,75
779	Shell-Thin	SLE-ENVE	Max	0	0	0	-18,6683	-6,1153	-2,6376	-29,93	-1,75
779	Shell-Thin	SLE-ENVE	Max	0	0	0	-34,2023	-6,7819	-2,595	-29,93	-7,25
779	Shell-Thin	SLE-ENVE	Min	0	0	0	-38,1441	-10,9579	-3,8893	-26,54	-12,5
779	Shell-Thin	SLE-ENVE	Min	0	0	0	-24,0269	-8,9031	-3,3857	-26,54	-5,06
779	Shell-Thin	SLE-ENVE	Min	0	0	0	-21,3706	-7,891	-3,8089	-33,2	-5,06
779	Shell-Thin	SLE-ENVE	Min	0	0	0	-38,8148	-8,0857	-4,3125	-33,2	-12,5
780	Shell-Thin	SLU-ENVE	Max	0	0	0	-53,903	-10,5964	-6,8	-46,99	-2,45
780	Shell-Thin	SLU-ENVE	Max	0	0	0	-29,2219	-10,1678	-4,1912	-46,99	-10,81
780	Shell-Thin	SLU-ENVE	Max	0	0	0	-29,1014	-8,7698	-4,7843	-34,67	-10,81
780	Shell-Thin	SLU-ENVE	Max	0	0	0	-47,6212	-11,2884	-7,393	-34,67	-2,45
780	Shell-Thin	SLU-ENVE	Min	0	0	0	-62,2578	-12,8684	-10,4102	-52,88	-10,17
780	Shell-Thin	SLU-ENVE	Min	0	0	0	-34,0378	-13,3586	-6,3952	-52,88	-18,14
780	Shell-Thin	SLU-ENVE	Min	0	0	0	-33,2578	-10,8301	-7,2846	-36,37	-18,14
780	Shell-Thin	SLU-ENVE	Min	0	0	0	-52,7889	-12,6453	-11,2996	-36,37	-10,17
780	Shell-Thin	SLE-ENVE	Max	0	0	0	-34,1693	-6,6172	-3,8249	-29,63	-1,04
780	Shell-Thin	SLE-ENVE	Max	0	0	0	-18,6756	-6,152	-2,3201	-29,63	-6,14
780	Shell-Thin	SLE-ENVE	Max	0	0	0	-18,6774	-5,369	-2,6593	-22,28	-6,14
780	Shell-Thin	SLE-ENVE	Max	0	0	0	-30,4979	-7,1098	-4,1641	-22,28	-1,04
780	Shell-Thin	SLE-ENVE	Min	0	0	0	-38,7816	-7,9199	-5,8186	-32,8	-5,48
780	Shell-Thin	SLE-ENVE	Min	0	0	0	-21,378	-7,9277	-3,5529	-32,8	-10,16
780	Shell-Thin	SLE-ENVE	Min	0	0	0	-20,9917	-6,5207	-4,0537	-23,27	-10,16
780	Shell-Thin	SLE-ENVE	Min	0	0	0	-33,4016	-7,8532	-6,3194	-23,27	-5,48
781	Shell-Thin	SLU-ENVE	Max	0	0	0	-33,3248	-12,3642	-1,2344	-33,07	-0,42
781	Shell-Thin	SLU-ENVE	Max	0	0	0	-16,0339	-11,1858	-0,8906	-33,07	-3,86
781	Shell-Thin	SLU-ENVE	Max	0	0	0	-15,7383	-10,3919	-1,268	-32,31	-3,86
781	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,6497	-12,4303	-1,6118	-32,31	-0,42
781	Shell-Thin	SLU-ENVE	Min	0	0	0	-40,3699	-17,605	-1,9416	-39,34	-2,37
781	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,6212	-16,6623	-1,3338	-39,34	-6,31
781	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,124	-15,3899	-1,8729	-37,83	-6,31
781	Shell-Thin	SLU-ENVE	Min	0	0	0	-39,1169	-17,4204	-2,4807	-37,83	-2,37
781	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,0029	-7,349	-0,6879	-20,65	-0,15
781	Shell-Thin	SLE-ENVE	Max	0	0	0	-10,2547	-6,4873	-0,4956	-20,65	-2,17
781	Shell-Thin	SLE-ENVE	Max	0	0	0	-10,0918	-6,0422	-0,7069	-20,23	-2,17
781	Shell-Thin	SLE-ENVE	Max	0	0	0	-20,6273	-7,4088	-0,8992	-20,23	-0,15
781	Shell-Thin	SLE-ENVE	Min	0	0	0	-24,9262	-10,2725	-1,0826	-24,14	-1,25
781	Shell-Thin	SLE-ENVE	Min	0	0	0	-12,2542	-9,5356	-0,7443	-24,14	-3,51

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
781	Shell-Thin	SLE-ENVE	Min	0	0	0	-11,9798	-8,8271	-1,0455	-23,29	-3,51
781	Shell-Thin	SLE-ENVE	Min	0	0	0	-24,229	-10,183	-1,3838	-23,29	-1,25
782	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,6519	-12,4414	-1,9664	-32,38	-7,76
782	Shell-Thin	SLU-ENVE	Max	0	0	0	-15,7379	-10,3903	-1,5316	-32,38	-3,96
782	Shell-Thin	SLU-ENVE	Max	0	0	0	-15,3122	-9,6182	-1,8937	-31	-3,96
782	Shell-Thin	SLU-ENVE	Max	0	0	0	-31,5351	-10,7184	-2,3285	-31	-7,76
782	Shell-Thin	SLU-ENVE	Min	0	0	0	-39,1206	-17,4389	-2,9868	-37,99	-11,68
782	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,1237	-15,3881	-2,2577	-37,99	-7,07
782	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,4389	-13,9861	-2,7595	-35,64	-7,07
782	Shell-Thin	SLU-ENVE	Min	0	0	0	-37,2639	-14,8827	-3,4885	-35,64	-11,68
782	Shell-Thin	SLE-ENVE	Max	0	0	0	-20,6285	-7,4149	-1,0945	-20,26	-4,4
782	Shell-Thin	SLE-ENVE	Max	0	0	0	-10,0916	-6,0413	-0,8544	-20,26	-2,18
782	Shell-Thin	SLE-ENVE	Max	0	0	0	-9,8538	-5,6163	-1,0572	-19,5	-2,18
782	Shell-Thin	SLE-ENVE	Max	0	0	0	-20,0089	-6,4346	-1,2973	-19,5	-4,4
782	Shell-Thin	SLE-ENVE	Min	0	0	0	-24,2311	-10,1933	-1,6646	-23,38	-6,54
782	Shell-Thin	SLE-ENVE	Min	0	0	0	-11,9796	-8,8262	-1,261	-23,38	-3,91
782	Shell-Thin	SLE-ENVE	Min	0	0	0	-11,5982	-8,0497	-1,5415	-22,09	-3,91
782	Shell-Thin	SLE-ENVE	Min	0	0	0	-23,202	-8,7607	-1,9451	-22,09	-6,54
783	Shell-Thin	SLU-ENVE	Max	0	0	0	-31,5282	-10,684	-2,8512	-31	-2,74
783	Shell-Thin	SLU-ENVE	Max	0	0	0	-15,314	-9,6272	-2,2117	-31	-6,03
783	Shell-Thin	SLU-ENVE	Max	0	0	0	-14,7264	-8,4399	-2,5676	-29,66	-6,03
783	Shell-Thin	SLU-ENVE	Max	0	0	0	-30,2704	-10,318	-3,2071	-29,66	-2,74
783	Shell-Thin	SLU-ENVE	Min	0	0	0	-37,2558	-14,8421	-4,1705	-35,58	-7,12
783	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,4409	-13,9961	-3,2191	-35,58	-9,9
783	Shell-Thin	SLU-ENVE	Min	0	0	0	-17,5164	-11,9957	-3,7315	-33,39	-9,9
783	Shell-Thin	SLU-ENVE	Min	0	0	0	-35,236	-13,5374	-4,6829	-33,39	-7,12
783	Shell-Thin	SLE-ENVE	Max	0	0	0	-20,0048	-6,414	-1,593	-19,5	-1,4
783	Shell-Thin	SLE-ENVE	Max	0	0	0	-9,8549	-5,6217	-1,2357	-19,5	-3,36
783	Shell-Thin	SLE-ENVE	Max	0	0	0	-9,5279	-4,9596	-1,4346	-18,76	-3,36
783	Shell-Thin	SLE-ENVE	Max	0	0	0	-19,3074	-6,2432	-1,792	-18,76	-1,4
783	Shell-Thin	SLE-ENVE	Min	0	0	0	-23,1973	-8,7372	-2,328	-22,05	-3,88
783	Shell-Thin	SLE-ENVE	Min	0	0	0	-11,5994	-8,0555	-1,7985	-22,05	-5,51
783	Shell-Thin	SLE-ENVE	Min	0	0	0	-11,0867	-6,9437	-2,0847	-20,83	-5,51
783	Shell-Thin	SLE-ENVE	Min	0	0	0	-22,0758	-8,032	-2,6142	-20,83	-3,88
784	Shell-Thin	SLU-ENVE	Max	0	0	0	-30,2828	-10,38	-3,5014	-30	-8,12
784	Shell-Thin	SLU-ENVE	Max	0	0	0	-14,7241	-8,428	-2,8169	-30	-5,95
784	Shell-Thin	SLU-ENVE	Max	0	0	0	-14,0845	-7,2828	-3,0956	-28,14	-5,95
784	Shell-Thin	SLU-ENVE	Max	0	0	0	-28,713	-8,6921	-3,7801	-28,14	-8,12
784	Shell-Thin	SLU-ENVE	Min	0	0	0	-35,2486	-13,6007	-5,1642	-33,63	-13,55
784	Shell-Thin	SLU-ENVE	Min	0	0	0	-17,5137	-11,9823	-4,1204	-33,63	-10,13
784	Shell-Thin	SLU-ENVE	Min	0	0	0	-16,5002	-9,9725	-4,5811	-30,72	-10,13
784	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,7819	-10,7349	-5,6249	-30,72	-13,55
784	Shell-Thin	SLE-ENVE	Max	0	0	0	-19,3148	-6,2799	-1,9526	-18,96	-4,59
784	Shell-Thin	SLE-ENVE	Max	0	0	0	-9,5265	-4,9524	-1,5727	-18,96	-3,29
784	Shell-Thin	SLE-ENVE	Max	0	0	0	-9,1711	-4,3201	-1,7271	-17,92	-3,29
784	Shell-Thin	SLE-ENVE	Max	0	0	0	-18,4402	-5,3215	-2,1071	-17,92	-4,59
784	Shell-Thin	SLE-ENVE	Min	0	0	0	-22,0831	-8,0688	-2,8804	-20,97	-7,57
784	Shell-Thin	SLE-ENVE	Min	0	0	0	-11,0852	-6,9358	-2,3016	-20,97	-5,61
784	Shell-Thin	SLE-ENVE	Min	0	0	0	-10,5222	-5,8223	-2,558	-19,36	-5,61
784	Shell-Thin	SLE-ENVE	Min	0	0	0	-20,7133	-6,465	-3,1369	-19,36	-7,57
785	Shell-Thin	SLU-ENVE	Max	0	0	0	-16,0873	-11,1965	-0,7837	-20,43	-3,35
785	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,3274	-10,2883	-0,7223	-20,43	-2,63
785	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,2491	-9,6617	-0,9943	-19,88	-2,63

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
785	Shell-Thin	SLU-ENVE	Max	0	0	0	-15,7317	-10,3906	-1,0557	-19,88	-3,35
785	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,6894	-16,6759	-1,1353	-24,32	-5,33
785	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,7428	-15,897	-1,0425	-24,32	-4,32
785	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,6256	-14,8629	-1,4366	-23,41	-4,32
785	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,1197	-15,389	-1,5294	-23,41	-5,33
785	Shell-Thin	SLE-ENVE	Max	0	0	0	-10,2853	-6,4934	-0,4369	-13,16	-1,88
785	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,3997	-5,8126	-0,4026	-13,16	-1,48
785	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,3546	-5,4594	-0,5548	-12,86	-1,48
785	Shell-Thin	SLE-ENVE	Max	0	0	0	-10,087	-6,0412	-0,5891	-12,86	-1,88
785	Shell-Thin	SLE-ENVE	Min	0	0	0	-12,2927	-9,5433	-0,6349	-15,32	-2,97
785	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,1902	-8,9368	-0,5833	-15,32	-2,42
785	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,1231	-8,3574	-0,8037	-14,83	-2,42
785	Shell-Thin	SLE-ENVE	Min	0	0	0	-11,9767	-8,8265	-0,8553	-14,83	-2,97
786	Shell-Thin	SLU-ENVE	Max	0	0	0	-15,7313	-10,389	-1,3497	-19,87	-3,23
786	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,2491	-9,6616	-1,2626	-19,87	-3,45
786	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,1047	-8,8433	-1,5372	-19,39	-3,45
786	Shell-Thin	SLU-ENVE	Max	0	0	0	-15,3505	-9,6258	-1,6242	-19,39	-3,23
786	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,1193	-15,3872	-1,9522	-23,38	-5,82
786	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,6256	-14,8626	-1,8272	-23,38	-5,86
786	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,4085	-13,4599	-2,2286	-22,53	-5,86
786	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,4771	-13,9937	-2,3537	-22,53	-5,82
786	Shell-Thin	SLE-ENVE	Max	0	0	0	-10,0869	-6,0403	-0,7533	-12,85	-1,77
786	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,3546	-5,4594	-0,7051	-12,85	-1,89
786	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,276	-5,0097	-0,8587	-12,59	-1,89
786	Shell-Thin	SLE-ENVE	Max	0	0	0	-9,8761	-5,6208	-0,9068	-12,59	-1,77
786	Shell-Thin	SLE-ENVE	Min	0	0	0	-11,9765	-8,8255	-1,0912	-14,81	-3,22
786	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,1231	-8,3572	-1,0222	-14,81	-3,23
786	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,0048	-7,5839	-1,2467	-14,33	-3,23
786	Shell-Thin	SLE-ENVE	Min	0	0	0	-11,6201	-8,054	-1,3157	-14,33	-3,22
787	Shell-Thin	SLU-ENVE	Max	0	0	0	-15,3523	-9,6348	-1,9201	-19,44	-5,08
787	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,1043	-8,8409	-1,7716	-19,44	-4,58
787	Shell-Thin	SLU-ENVE	Max	0	0	0	-4,9239	-7,7703	-2,0369	-18,54	-4,58
787	Shell-Thin	SLU-ENVE	Max	0	0	0	-14,7231	-8,4393	-2,1854	-18,54	-5,08
787	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,4791	-14,0038	-2,7834	-22,55	-8,43
787	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,4079	-13,4569	-2,5861	-22,55	-7,5
787	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,1386	-11,6812	-2,9849	-21,16	-7,5
787	Shell-Thin	SLU-ENVE	Min	0	0	0	-17,5182	-11,996	-3,1822	-21,16	-8,43
787	Shell-Thin	SLE-ENVE	Max	0	0	0	-9,8772	-5,6262	-1,0729	-12,61	-2,84
787	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,2757	-5,0083	-0,9893	-12,61	-2,56
787	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,1736	-4,4091	-1,1375	-12,11	-2,56
787	Shell-Thin	SLE-ENVE	Max	0	0	0	-9,5255	-4,9591	-1,2211	-12,11	-2,84
787	Shell-Thin	SLE-ENVE	Min	0	0	0	-11,6212	-8,0599	-1,5566	-14,34	-4,68
787	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,0044	-7,5822	-1,4464	-14,34	-4,18
787	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,8527	-6,5916	-1,6694	-13,58	-4,18
787	Shell-Thin	SLE-ENVE	Min	0	0	0	-11,0873	-6,9438	-1,7795	-13,58	-4,68
788	Shell-Thin	SLU-ENVE	Max	0	0	0	-14,7207	-8,4273	-2,4599	-18,55	-4,9
788	Shell-Thin	SLU-ENVE	Max	0	0	0	-4,9246	-7,7741	-2,298	-18,55	-5,05
788	Shell-Thin	SLU-ENVE	Max	0	0	0	-4,7008	-6,5934	-2,5577	-17,74	-5,05
788	Shell-Thin	SLU-ENVE	Max	0	0	0	-14,0911	-7,2841	-2,7197	-17,74	-4,9
788	Shell-Thin	SLU-ENVE	Min	0	0	0	-17,5155	-11,9827	-3,6032	-21,15	-8,48
788	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,1394	-11,685	-3,3776	-21,15	-8,36
788	Shell-Thin	SLU-ENVE	Min	0	0	0	-5,7978	-9,7081	-3,779	-19,84	-8,36
788	Shell-Thin	SLU-ENVE	Min	0	0	0	-16,5189	-9,9763	-4,0047	-19,84	-8,48

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
788	Shell-Thin	SLE-ENVE	Max	0	0	0	-9,524	-4,9519	-1,3737	-12,12	-2,7
788	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,1741	-4,4114	-1,284	-12,12	-2,79
788	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,0508	-3,7585	-1,429	-11,67	-2,79
788	Shell-Thin	SLE-ENVE	Max	0	0	0	-9,1752	-4,3209	-1,5187	-11,67	-2,7
788	Shell-Thin	SLE-ENVE	Min	0	0	0	-11,0857	-6,936	-2,0141	-13,57	-4,7
788	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,8532	-6,5939	-1,8893	-13,57	-4,63
788	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,6653	-5,4996	-2,1136	-12,84	-4,63
788	Shell-Thin	SLE-ENVE	Min	0	0	0	-10,5329	-5,8244	-2,2384	-12,84	-4,7
789	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,3389	-10,2906	-0,7504	-9,63	-2,4
789	Shell-Thin	SLU-ENVE	Max	0	0	0	0,0044	-10,3573	-0,8044	-9,63	-1,23
789	Shell-Thin	SLU-ENVE	Max	0	0	0	-0,0122	-10,0237	-1,0695	-9,43	-1,23
789	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,2598	-9,6639	-1,0155	-9,43	-2,4
789	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,7626	-15,9009	-1,092	-11,95	-3,94
789	Shell-Thin	SLU-ENVE	Min	0	-	0	-6,205E-05	-16,3045	-1,194	-11,95	-2,72
					1,385E-20						
789	Shell-Thin	SLU-ENVE	Min	0	-	0	-0,0148	-15,5725	-1,5885	-11,67	-2,72
					1,382E-20						
789	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,6392	-14,8656	-1,4865	-11,67	-3,94
789	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,4054	-5,8137	-0,4183	-6,23	-1,35
789	Shell-Thin	SLE-ENVE	Max	0	0	0	0,0037	-5,7492	-0,4471	-6,23	-0,57
789	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,008	-5,5933	-0,5951	-6,11	-0,57
789	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,3613	-5,4608	-0,5662	-6,11	-1,35
789	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,2003	-8,9388	-0,6106	-7,52	-2,21
789	Shell-Thin	SLE-ENVE	Min	0	0	0	0,0012	-9,0629	-0,6661	-7,52	-1,4
789	Shell-Thin	SLE-ENVE	Min	0	0	0	-0,0095	-8,6864	-0,8865	-7,36	-1,4
789	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,1315	-8,3591	-0,831	-7,36	-2,21
790	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,2598	-9,6637	-1,2803	-9,45	-3,09
790	Shell-Thin	SLU-ENVE	Max	0	0	0	-0,0123	-10,0243	-1,3717	-9,45	-4,24
790	Shell-Thin	SLU-ENVE	Max	0	0	0	0,0072	-8,9181	-1,6329	-9,2	-4,24
790	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,1136	-8,8451	-1,5415	-9,2	-3,09
790	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,6391	-14,8653	-1,8724	-11,68	-5,3
790	Shell-Thin	SLU-ENVE	Min	0	-	0	-0,0149	-15,573	-2,0293	-11,68	-6,35
					1,277E-20						
790	Shell-Thin	SLU-ENVE	Min	0	-	0	0,0048	-13,907	-2,4212	-11,29	-6,35
					1,289E-20						
790	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,4216	-13,4626	-2,2643	-11,29	-5,3
790	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,3613	-5,4607	-0,7153	-6,12	-1,7
790	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,008	-5,5936	-0,7672	-6,12	-2,47
790	Shell-Thin	SLE-ENVE	Max	0	0	0	0,0052	-4,9495	-0,913	-5,99	-2,47
790	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,2803	-5,0106	-0,8611	-5,99	-1,7
790	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,1315	-8,3589	-1,0478	-7,37	-2,92
790	Shell-Thin	SLE-ENVE	Min	0	0	0	-0,0095	-8,6866	-1,1361	-7,37	-3,64
790	Shell-Thin	SLE-ENVE	Min	0	0	0	0,0039	-7,7321	-1,3551	-7,15	-3,64
790	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,0112	-7,5852	-1,2668	-7,15	-2,92
791	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,1131	-8,8427	-1,7839	-9,21	-4,11
791	Shell-Thin	SLU-ENVE	Max	0	0	0	0,0068	-8,9198	-1,8684	-9,21	-2,91
791	Shell-Thin	SLU-ENVE	Max	0	0	0	-0,008	-8,1501	-2,125	-8,82	-2,91
791	Shell-Thin	SLU-ENVE	Max	0	0	0	-4,9323	-7,772	-2,0405	-8,82	-4,11
791	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,421	-13,4595	-2,6325	-11,3	-6,78

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
791	Shell-Thin	SLU-ENVE	Min	0	-	0	0,0044	-13,9089	-2,7943	-11,3	-5,5
					1,148E-20						
791	Shell-Thin	SLU-ENVE	Min	0	-	0	-0,0088	-12,4523	-3,183	-10,73	-5,5
					1,149E-20						
791	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,1501	-11,6835	-3,0212	-10,73	-6,78
791	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,28	-5,0091	-0,9954	-6	-2,31
791	Shell-Thin	SLE-ENVE	Max	0	0	0	0,005	-4,9505	-1,0409	-6	-1,5
791	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0056	-4,554	-1,1843	-5,77	-1,5
791	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,1788	-4,4101	-1,1388	-5,77	-2,31
791	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,0109	-7,5835	-1,4716	-7,16	-3,79
791	Shell-Thin	SLE-ENVE	Min	0	0	0	0,0037	-7,7332	-1,5599	-7,16	-2,93
791	Shell-Thin	SLE-ENVE	Min	0	0	0	-0,0061	-6,956	-1,7773	-6,84	-2,93
791	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,8598	-6,593	-1,6889	-6,84	-3,79
792	Shell-Thin	SLU-ENVE	Max	0	0	0	-4,933	-7,7758	-2,2981	-8,82	-4,49
792	Shell-Thin	SLU-ENVE	Max	0	0	0	-0,0076	-8,1482	-2,4164	-8,82	-5,31
792	Shell-Thin	SLU-ENVE	Max	0	0	0	-0,006	-6,7612	-2,673	-8,37	-5,31
792	Shell-Thin	SLU-ENVE	Max	0	0	0	-4,7056	-6,5944	-2,5548	-8,37	-4,49
792	Shell-Thin	SLU-ENVE	Min	0	0	0	-6,1508	-11,6873	-3,4083	-10,72	-7,51
792	Shell-Thin	SLU-ENVE	Min	0	0	0	-0,0084	-12,4501	-3,6097	-10,72	-8,17
792	Shell-Thin	SLU-ENVE	Min	0	-	0	-0,0114	-10,3081	-4,0002	-10,03	-8,17
					1,002E-20						
792	Shell-Thin	SLU-ENVE	Min	0	0	0	-5,8069	-9,7099	-3,7988	-10,03	-7,51
792	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,1793	-4,4125	-1,2839	-5,77	-2,48
792	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0054	-4,5527	-1,3508	-5,77	-3,04
792	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0028	-3,758	-1,495	-5,52	-3,04
792	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,0532	-3,759	-1,4281	-5,52	-2,48
792	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,8603	-6,5953	-1,9065	-6,83	-4,15
792	Shell-Thin	SLE-ENVE	Min	0	0	0	-0,0058	-6,9546	-2,0197	-6,83	-4,63
792	Shell-Thin	SLE-ENVE	Min	0	0	0	-0,0058	-5,7416	-2,2388	-6,45	-4,63
792	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,67	-5,5005	-2,1257	-6,45	-4,15
793	Shell-Thin	SLU-ENVE	Max	0	0	0	-31,5656	-6,1691	-0,1629	62,73	2
793	Shell-Thin	SLU-ENVE	Max	0	0	0	-43,2141	-11,8278	0,0505	62,73	-26,36
793	Shell-Thin	SLU-ENVE	Max	0	0	0	-40,635	-5,1156	0,1374	31,1	-26,36
793	Shell-Thin	SLU-ENVE	Max	0	0	0	-33,4679	-6,5468	-0,076	31,1	2
793	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,1422	-9,1238	-0,5635	46,99	0,39
793	Shell-Thin	SLU-ENVE	Min	0	0	0	-58,9088	-17,2813	-0,6865	46,99	-47,63
793	Shell-Thin	SLU-ENVE	Min	0	0	0	-53,3059	-5,5868	-0,7832	29,06	-47,63
793	Shell-Thin	SLU-ENVE	Min	0	0	0	-45,4443	-9,4359	-0,6603	29,06	0,39
793	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,4688	-4,2226	-0,1365	40,47	1,33
793	Shell-Thin	SLE-ENVE	Max	0	0	0	-29,4709	-8,2036	-0,0226	40,47	-19,19
793	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,5621	-3,3324	0,022	20,6	-19,19
793	Shell-Thin	SLE-ENVE	Max	0	0	0	-22,8099	-4,4809	-0,0919	20,6	1,33
793	Shell-Thin	SLE-ENVE	Min	0	0	0	-27,947	-5,87	-0,3743	32,25	0,4
793	Shell-Thin	SLE-ENVE	Min	0	0	0	-38,1086	-11,0847	-0,4482	32,25	-29,89
793	Shell-Thin	SLE-ENVE	Min	0	0	0	-34,6363	-3,7253	-0,5069	19,25	-29,89
793	Shell-Thin	SLE-ENVE	Min	0	0	0	-29,4431	-6,0832	-0,433	19,25	0,4
794	Shell-Thin	SLU-ENVE	Max	0	0	0	-33,468	-6,5475	1,3508	30,98	-0,67
794	Shell-Thin	SLU-ENVE	Max	0	0	0	-40,6345	-5,1131	1,7883	30,98	42,21
794	Shell-Thin	SLU-ENVE	Max	0	0	0	-43,8354	-12,018	1,9091	59,73	42,21
794	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,0308	-6,2886	1,4716	59,73	-0,67
794	Shell-Thin	SLU-ENVE	Min	0	0	0	-45,4438	-9,4332	0,0862	29,09	-4,48



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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
794	Shell-Thin	SLU-ENVE	Min	0	0	0	-53,3082	-5,598	-0,0043	29,09	27,98
794	Shell-Thin	SLU-ENVE	Min	0	0	0	-56,8831	-16,5891	-0,1086	47,64	27,98
794	Shell-Thin	SLU-ENVE	Min	0	0	0	-41,8303	-8,7502	-0,0181	47,64	-4,48
794	Shell-Thin	SLE-ENVE	Max	0	0	0	-22,81	-4,4813	0,802	20,53	-0,59
794	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,5618	-3,331	1,0493	20,53	26,89
794	Shell-Thin	SLE-ENVE	Max	0	0	0	-29,8155	-8,3091	1,1127	38,81	26,89
794	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,7265	-4,2888	0,8654	38,81	-0,59
794	Shell-Thin	SLE-ENVE	Min	0	0	0	-29,4428	-6,0817	0,1154	19,26	-2,67
794	Shell-Thin	SLE-ENVE	Min	0	0	0	-34,6376	-3,7315	0,071	19,26	20,09
794	Shell-Thin	SLE-ENVE	Min	0	0	0	-36,9841	-10,7003	0,0081	32,61	20,09
794	Shell-Thin	SLE-ENVE	Min	0	0	0	-27,219	-5,6626	0,0525	32,61	-2,67
795	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,0317	-6,2932	0,1618	60,19	1,8
795	Shell-Thin	SLU-ENVE	Max	0	0	0	-43,8349	-12,0154	0,5831	60,19	-27,25
795	Shell-Thin	SLU-ENVE	Max	0	0	0	-40,9869	-5,0108	0,5863	26,58	-27,25
795	Shell-Thin	SLU-ENVE	Max	0	0	0	-34,4506	-6,5511	0,165	26,58	1,8
795	Shell-Thin	SLU-ENVE	Min	0	0	0	-41,8322	-8,7599	-0,9376	47,65	-1,93
795	Shell-Thin	SLU-ENVE	Min	0	0	0	-56,8808	-16,578	-1,1293	47,65	-47,33
795	Shell-Thin	SLU-ENVE	Min	0	0	0	-50,4277	-5,1673	-1,2364	25,83	-47,33
795	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,9689	-8,6995	-1,0447	25,83	-1,93
795	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,7272	-4,2921	0,0285	39,07	1,1
795	Shell-Thin	SLE-ENVE	Max	0	0	0	-29,815	-8,307	0,2586	39,07	-19,81
795	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,6916	-3,244	0,2539	17,43	-19,81
795	Shell-Thin	SLE-ENVE	Max	0	0	0	-23,4041	-4,4569	0,0239	17,43	1,1
795	Shell-Thin	SLE-ENVE	Min	0	0	0	-27,2202	-5,6686	-0,6028	32,63	-0,98
795	Shell-Thin	SLE-ENVE	Min	0	0	0	-36,9827	-10,6937	-0,7138	32,63	-29,81
795	Shell-Thin	SLE-ENVE	Min	0	0	0	-32,9893	-3,47	-0,7819	17,33	-29,81
795	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,6619	-5,6547	-0,6709	17,33	-0,98
796	Shell-Thin	SLU-ENVE	Max	0	0	0	-34,4469	-6,5327	1,5269	25,12	0,98
796	Shell-Thin	SLU-ENVE	Max	0	0	0	-40,9981	-5,0669	2,065	25,12	27,6
796	Shell-Thin	SLU-ENVE	Max	0	0	0	-43,9976	-10,2078	2,6438	46,56	27,6
796	Shell-Thin	SLU-ENVE	Max	0	0	0	-33,3294	-6,6026	2,1057	46,56	0,98
796	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,9628	-8,6694	-0,2444	23,62	-3,49
796	Shell-Thin	SLU-ENVE	Min	0	0	0	-50,447	-5,2641	-0,4194	23,62	21,26
796	Shell-Thin	SLU-ENVE	Min	0	0	0	-52,7322	-12,7015	-0,1475	41,59	21,26
796	Shell-Thin	SLU-ENVE	Min	0	0	0	-40,515	-8,3341	0,0274	41,59	-3,49
796	Shell-Thin	SLE-ENVE	Max	0	0	0	-23,4015	-4,4437	0,885	16,38	0,52
796	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,6997	-3,2847	1,1853	16,38	17,83
796	Shell-Thin	SLE-ENVE	Max	0	0	0	-29,7705	-6,9679	1,547	30,66	17,83
796	Shell-Thin	SLE-ENVE	Max	0	0	0	-22,5299	-4,4799	1,2467	30,66	0,52
796	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,6581	-5,6357	-0,0884	15,93	-1,96
796	Shell-Thin	SLE-ENVE	Min	0	0	0	-33,0015	-3,5309	-0,1832	15,93	15,11
796	Shell-Thin	SLE-ENVE	Min	0	0	0	-34,5784	-8,2877	0,0207	28,15	15,11
796	Shell-Thin	SLE-ENVE	Min	0	0	0	-26,5528	-5,4453	0,1156	28,15	-1,96
797	Shell-Thin	SLU-ENVE	Max	0	0	0	-43,0134	-11,7876	1,3054	-26,81	-26,5
797	Shell-Thin	SLU-ENVE	Max	0	0	0	-24,3745	-1,9516	2,0655	-26,81	8,18
797	Shell-Thin	SLU-ENVE	Max	0	0	0	-25,7901	-4,3419	2,4599	-20,81	8,18
797	Shell-Thin	SLU-ENVE	Max	0	0	0	-40,8425	-5,1571	1,6998	-20,81	-26,5
797	Shell-Thin	SLU-ENVE	Min	0	0	0	-58,513	-17,2022	-0,269	-63,65	-47,6
797	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,028	-5,7947	-0,2829	-63,65	5,05
797	Shell-Thin	SLU-ENVE	Min	0	0	0	-29,1567	-7,0499	-0,4005	-52,15	5,05
797	Shell-Thin	SLU-ENVE	Min	0	0	0	-53,6061	-5,6469	-0,3865	-52,15	-47,6
797	Shell-Thin	SLE-ENVE	Max	0	0	0	-29,3239	-8,1742	0,7418	-21,14	-19,28
797	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,7819	-1,6627	1,1827	-21,14	5,16

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
797	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,6974	-3,1541	1,4043	-16,76	5,16
797	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,7103	-3,362	0,9634	-16,76	-19,28
797	Shell-Thin	SLE-ENVE	Min	0	0	0	-37,8617	-11,0353	-0,1273	-39,21	-29,89
797	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,5879	-3,5258	-0,1099	-39,21	3,62
797	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,3848	-4,4396	-0,1718	-32,03	3,62
797	Shell-Thin	SLE-ENVE	Min	0	0	0	-34,8281	-3,7637	-0,1892	-32,03	-29,89
798	Shell-Thin	SLU-ENVE	Max	0	0	0	-40,842	-5,1546	1,4295	-20,89	42,6
798	Shell-Thin	SLU-ENVE	Max	0	0	0	-25,7895	-4,3391	1,8888	-20,89	-4,65
798	Shell-Thin	SLU-ENVE	Max	0	0	0	-23,6811	-2,5137	2,1909	-27,5	-4,65
798	Shell-Thin	SLU-ENVE	Max	0	0	0	-43,6278	-11,9765	1,7316	-27,5	42,6
798	Shell-Thin	SLU-ENVE	Min	0	0	0	-53,6083	-5,6581	-0,773	-51,79	27,98
798	Shell-Thin	SLU-ENVE	Min	0	0	0	-29,1568	-7,0506	-1,1557	-51,79	-8,14
798	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,2833	-5,714	-1,2545	-60,92	-8,14
798	Shell-Thin	SLU-ENVE	Min	0	0	0	-56,5213	-16,5168	-0,8718	-60,92	27,98
798	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,71	-3,3606	0,7761	-16,8	27,11
798	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,6971	-3,1526	1,0119	-16,8	-3,4
798	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,3973	-1,9752	1,1822	-21,53	-3,4
798	Shell-Thin	SLE-ENVE	Max	0	0	0	-29,6646	-8,2789	0,9464	-21,53	27,11
798	Shell-Thin	SLE-ENVE	Min	0	0	0	-34,8294	-3,7699	-0,4531	-31,83	20,1
798	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,3849	-4,44	-0,6905	-31,83	-5,14
798	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,7239	-3,481	-0,742	-37,7	-5,14
798	Shell-Thin	SLE-ENVE	Min	0	0	0	-36,7561	-10,6548	-0,5046	-37,7	20,1
799	Shell-Thin	SLU-ENVE	Max	0	0	0	-43,6273	-11,9739	2,384	-27,56	-27,58
799	Shell-Thin	SLU-ENVE	Max	0	0	0	-23,6831	-2,5234	3,6025	-27,56	6,47
799	Shell-Thin	SLU-ENVE	Max	0	0	0	-24,9911	-4,6958	3,8676	-20,62	6,47
799	Shell-Thin	SLU-ENVE	Max	0	0	0	-41,2002	-5,0534	2,6491	-20,62	-27,58
799	Shell-Thin	SLU-ENVE	Min	0	0	0	-56,5191	-16,5056	-0,6624	-60,76	-47,33
799	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,2836	-5,7156	-0,7189	-60,76	4,55
799	Shell-Thin	SLU-ENVE	Min	0	0	0	-29,6722	-6,8268	-0,8032	-47,86	4,55
799	Shell-Thin	SLU-ENVE	Min	0	0	0	-50,7313	-5,2281	-0,7466	-47,86	-47,33
799	Shell-Thin	SLE-ENVE	Max	0	0	0	-29,6642	-8,2768	1,3458	-21,57	-20,02
799	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,3984	-1,9809	2,0518	-21,57	4,12
799	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,272	-3,3329	2,2023	-16,5	4,12
799	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,8437	-3,2744	1,4964	-16,5	-20,02
799	Shell-Thin	SLE-ENVE	Min	0	0	0	-36,7548	-10,6481	-0,3391	-37,61	-29,84
799	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,7241	-3,4824	-0,3313	-37,61	3,22
799	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,6841	-4,2916	-0,3737	-29,53	3,22
799	Shell-Thin	SLE-ENVE	Min	0	0	0	-33,1835	-3,5088	-0,3814	-29,53	-29,84
800	Shell-Thin	SLU-ENVE	Max	0	0	0	-41,2114	-5,1096	2,3946	-19,93	28,28
800	Shell-Thin	SLU-ENVE	Max	0	0	0	-24,9825	-4,6525	3,0127	-19,93	-2,13
800	Shell-Thin	SLU-ENVE	Max	0	0	0	-23,0959	-3,8502	2,8652	-25,98	-2,13
800	Shell-Thin	SLU-ENVE	Max	0	0	0	-43,9143	-10,1911	2,2472	-25,98	28,28
800	Shell-Thin	SLU-ENVE	Min	0	0	0	-50,7507	-5,3249	-1,0628	-46,26	21,34
800	Shell-Thin	SLU-ENVE	Min	0	0	0	-29,6666	-6,799	-1,6231	-46,26	-4,33
800	Shell-Thin	SLU-ENVE	Min	0	0	0	-29,0451	-6,0126	-1,8877	-53,05	-4,33
800	Shell-Thin	SLU-ENVE	Min	0	0	0	-52,5983	-12,6748	-1,3274	-53,05	21,34
800	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,8518	-3,3151	1,3248	-15,99	18,23
800	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,2665	-3,3054	1,6411	-15,99	-1,6
800	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,1116	-2,7684	1,5373	-20,25	-1,6
800	Shell-Thin	SLE-ENVE	Max	0	0	0	-29,71	-6,9558	1,221	-20,25	18,23
800	Shell-Thin	SLE-ENVE	Min	0	0	0	-33,1957	-3,5698	-0,5973	-28,55	15,19
800	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,6801	-4,2716	-0,943	-28,55	-2,72
800	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,1836	-3,7137	-1,1188	-33,01	-2,72

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
800	Shell-Thin	SLE-ENVE	Min	0	0	0	-34,4932	-8,2706	-0,7731	-33,01	15,19
801	Shell-Thin	SLU-ENVE	Max	0	0	0	-24,8721	-2,0511	1,8431	-14,34	8,59
801	Shell-Thin	SLU-ENVE	Max	0	0	0	2,7892	5,8757	2,0043	-14,34	1,17
801	Shell-Thin	SLU-ENVE	Max	0	0	0	3,0908	5,521	2,5235	-15,6	1,17
801	Shell-Thin	SLU-ENVE	Max	0	0	0	-25,3892	-4,2617	2,3623	-15,6	8,59
801	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,3038	-5,849	-0,6736	-44,63	4,8
801	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,47	-5,7617	-0,8029	-44,63	-1,48
801	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,2523	-5,3427	-0,9908	-45,89	-1,48
801	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,9016	-6,9995	-0,8615	-45,89	4,8
801	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,0938	-1,7251	1,0213	-12,07	5,38
801	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,1678	2,9094	1,1058	-12,07	0,52
801	Shell-Thin	SLE-ENVE	Max	0	0	0	0,0295	2,7469	1,3946	-12,96	0,52
801	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,4434	-3,1033	1,3102	-12,96	5,38
801	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,7877	-3,5654	-0,3767	-27,19	3,47
801	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,6402	-3,0897	-0,4552	-27,19	-0,99
801	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,4798	-2,8111	-0,5589	-28,03	-0,99
801	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,2019	-4,4033	-0,4804	-28,03	3,47
802	Shell-Thin	SLU-ENVE	Max	0	0	0	-25,3887	-4,2589	2,8352	-15,68	-4,79
802	Shell-Thin	SLU-ENVE	Max	0	0	0	3,0905	5,5195	3,2374	-15,68	5,7
802	Shell-Thin	SLU-ENVE	Max	0	0	0	2,6014	3,9395	3,6603	-14,79	5,7
802	Shell-Thin	SLU-ENVE	Max	0	0	0	-24,1426	-2,606	3,2582	-14,79	-4,79
802	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,9017	-7,0002	-0,9915	-45,5	-7,23
802	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,2522	-5,3421	-1,0802	-45,5	0,4
802	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,5068	-5,4084	-1,2499	-42,83	0,4
802	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,5612	-5,7696	-1,1612	-42,83	-7,23
802	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,4431	-3,1018	1,5771	-13	-3,46
802	Shell-Thin	SLE-ENVE	Max	0	0	0	0,0294	2,746	1,8053	-13	3,3
802	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,2723	1,8335	2,0406	-12,32	3,3
802	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,6891	-2,0335	1,8124	-12,32	-3,46
802	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,2019	-4,4038	-0,5467	-27,82	-4,62
802	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,4798	-2,8108	-0,5895	-27,82	0,4
802	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,661	-2,8935	-0,683	-26,19	0,4
802	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,9269	-3,5213	-0,6403	-26,19	-4,62
803	Shell-Thin	SLU-ENVE	Max	0	0	0	-24,1446	-2,6157	3,5735	-14,82	7,59
803	Shell-Thin	SLU-ENVE	Max	0	0	0	2,602	3,9422	3,8303	-14,82	3,58
803	Shell-Thin	SLU-ENVE	Max	0	0	0	2,9033	2,9474	4,0925	-16,47	3,58
803	Shell-Thin	SLU-ENVE	Max	0	0	0	-24,57	-4,6116	3,8357	-16,47	7,59
803	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,5615	-5,7712	-1,3116	-42,19	4,38
803	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,5064	-5,4062	-1,5623	-42,19	-1,54
803	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,252	-4,9247	-1,7248	-43,31	-1,54
803	Shell-Thin	SLU-ENVE	Min	0	0	0	-29,3819	-6,7687	-1,4741	-43,31	4,38
803	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,6902	-2,0393	1,9871	-12,32	4,76
803	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,2719	1,8353	2,1178	-12,32	1,9
803	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,071	1,3107	2,2616	-13,46	1,9
803	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,0027	-3,279	2,1308	-13,46	4,76
803	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,9272	-3,5226	-0,7243	-25,83	3,15
803	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,6607	-2,8919	-0,8791	-25,83	-0,98
803	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,4751	-2,587	-0,9717	-26,62	-0,98
803	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,4749	-4,25	-0,8168	-26,62	3,15
804	Shell-Thin	SLU-ENVE	Max	0	0	0	-24,5613	-4,5683	3,985	-16,69	-2,68
804	Shell-Thin	SLU-ENVE	Max	0	0	0	2,8997	2,9295	4,5194	-16,69	5,82
804	Shell-Thin	SLU-ENVE	Max	0	0	0	2,4256	1,2677	4,6811	-16,04	5,82
804	Shell-Thin	SLU-ENVE	Max	0	0	0	-23,2976	-3,8906	4,1468	-16,04	-2,68

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
804	Shell-Thin	SLU-ENVE	Min	0	0	0	-29,3763	-6,7409	-1,6427	-42,89	-3,53
804	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,2539	-4,9343	-1,7311	-42,89	-0,41
804	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,4622	-4,799	-1,8369	-40,22	-0,41
804	Shell-Thin	SLU-ENVE	Min	0	0	0	-29,1632	-6,0363	-1,7485	-40,22	-3,53
804	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,9972	-3,2515	2,2083	-13,6	-1,94
804	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0732	1,2995	2,5156	-13,6	3,3
804	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,3613	0,3572	2,6071	-13,07	3,3
804	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,2388	-2,7939	2,2998	-13,07	-1,94
804	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,4709	-4,23	-0,9174	-26,4	-2,3
804	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,4765	-2,594	-0,9524	-26,4	-0,15
804	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,6251	-2,5441	-1,0088	-24,79	-0,15
804	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,2693	-3,7308	-0,9738	-24,79	-2,3
805	Shell-Thin	SLU-ENVE	Max	0	0	0	2,9088	5,8996	2,1346	-5,67	2,1
805	Shell-Thin	SLU-ENVE	Max	0	0	0	22,722	13,1771	1,866	-5,67	5,03
805	Shell-Thin	SLU-ENVE	Max	0	0	0	21,7685	12,0404	2,4435	-5,63	5,03
805	Shell-Thin	SLU-ENVE	Max	0	0	0	2,9683	5,4965	2,7121	-5,63	2,1
805	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,3755	-5,7428	-0,7693	-38,33	-1,54
805	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,7865	-6,0786	-0,778	-38,33	-0,92
805	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,7436	-5,8458	-0,9919	-36,49	-0,92
805	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,3133	-5,3549	-0,9831	-36,49	-1,54
805	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0903	2,9249	1,1872	-5,91	1,04
805	Shell-Thin	SLE-ENVE	Max	0	0	0	11,7731	7,1533	1,0382	-5,91	2,82
805	Shell-Thin	SLE-ENVE	Max	0	0	0	11,2389	6,5161	1,3586	-5,86	2,82
805	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0473	2,7315	1,5076	-5,86	1,04
805	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,5731	-3,0763	-0,4246	-22,85	-1,02
805	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,059	-2,9387	-0,4294	-22,85	-0,48
805	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,0414	-2,817	-0,5486	-21,8	-0,48
805	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,5255	-2,8202	-0,5438	-21,8	-1,02
806	Shell-Thin	SLU-ENVE	Max	0	0	0	2,968	5,495	3,2016	-5,74	6,44
806	Shell-Thin	SLU-ENVE	Max	0	0	0	21,7698	12,0467	3,0152	-5,74	8,44
806	Shell-Thin	SLU-ENVE	Max	0	0	0	20,8719	10,021	3,5094	-6,2	8,44
806	Shell-Thin	SLU-ENVE	Max	0	0	0	2,749	3,969	3,6958	-6,2	6,44
806	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,3132	-5,3543	-1,202	-36,16	0,16
806	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,7436	-5,8457	-1,2114	-36,16	-1,73
806	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,5861	-5,4099	-1,3999	-34,93	-1,73
806	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,411	-5,3892	-1,3905	-34,93	0,16
806	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,0475	2,7306	1,7771	-5,91	3,7
806	Shell-Thin	SLE-ENVE	Max	0	0	0	11,2396	6,5196	1,6734	-5,91	4,67
806	Shell-Thin	SLE-ENVE	Max	0	0	0	10,7454	5,3997	1,9475	-6,21	4,67
806	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,1793	1,8521	2,0512	-6,21	3,7
806	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,5254	-2,8199	-0,6683	-21,62	0,25
806	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,0414	-2,8169	-0,6741	-21,62	-0,99
806	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,9483	-2,5673	-0,7792	-20,96	-0,99
806	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,5932	-2,8799	-0,7734	-20,96	0,25
807	Shell-Thin	SLU-ENVE	Max	0	0	0	2,7496	3,9717	4,0813	-6,35	4,37
807	Shell-Thin	SLU-ENVE	Max	0	0	0	20,8706	10,0142	4,0024	-6,35	11,55
807	Shell-Thin	SLU-ENVE	Max	0	0	0	19,9237	7,1623	4,3082	-6,46	11,55
807	Shell-Thin	SLU-ENVE	Max	0	0	0	2,7426	2,9153	4,3871	-6,46	4,37
807	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,4105	-5,3871	-1,5568	-34,17	-1,8
807	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,5863	-5,4105	-1,5456	-34,17	-1,77
807	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,4549	-4,9729	-1,6968	-32,46	-1,77
807	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,3411	-4,9425	-1,7079	-32,46	-1,8
807	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,1789	1,8539	2,2663	-6,29	2,33

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
807	Shell-Thin	SLE-ENVE	Max	0	0	0	10,7446	5,3958	2,2238	-6,29	6,44
807	Shell-Thin	SLE-ENVE	Max	0	0	0	10,2144	3,8063	2,3938	-6,32	6,44
807	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,1721	1,2905	2,4364	-6,32	2,33
807	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,5929	-2,8784	-0,8642	-20,54	-1,13
807	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,9484	-2,5679	-0,8567	-20,54	-0,96
807	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,8817	-2,3315	-0,9402	-19,56	-0,96
807	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,5404	-2,6001	-0,9477	-19,56	-1,13
808	Shell-Thin	SLU-ENVE	Max	0	0	0	2,739	2,8973	4,597	-6,59	6,81
808	Shell-Thin	SLU-ENVE	Max	0	0	0	19,922	7,1538	4,4222	-6,59	11,89
808	Shell-Thin	SLU-ENVE	Max	0	0	0	18,9214	4,2603	4,4708	-7,15	11,89
808	Shell-Thin	SLU-ENVE	Max	0	0	0	2,4547	1,2735	4,6456	-7,15	6,81
808	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,3431	-4,9521	-1,8538	-31,44	-0,67
808	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,4543	-4,9695	-1,8435	-31,44	-2,23
808	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,2182	-4,4167	-1,963	-30,13	-2,23
808	Shell-Thin	SLU-ENVE	Min	0	0	0	-18,4136	-4,7893	-1,9732	-30,13	-0,67
808	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,1744	1,2793	2,5526	-6,39	3,85
808	Shell-Thin	SLE-ENVE	Max	0	0	0	10,2135	3,8019	2,4547	-6,39	6,6
808	Shell-Thin	SLE-ENVE	Max	0	0	0	9,6609	2,1969	2,4813	-6,72	6,6
808	Shell-Thin	SLE-ENVE	Max	0	0	0	-0,3399	0,3615	2,5791	-6,72	3,85
808	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,5418	-2,6071	-1,029	-18,99	-0,29
808	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,8812	-2,3291	-1,0248	-18,99	-1,25
808	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,7465	-2,0188	-1,0915	-18,29	-1,25
808	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,5912	-2,5373	-1,0957	-18,29	-0,29
809	Shell-Thin	SLU-ENVE	Max	0	0	0	22,6544	13,1635	1,2802	3,62	6,37
809	Shell-Thin	SLU-ENVE	Max	0	0	0	40,5284	18,8596	0,3614	3,62	4
809	Shell-Thin	SLU-ENVE	Max	0	0	0	38,9202	18,3194	0,8791	3,28	4
809	Shell-Thin	SLU-ENVE	Max	0	0	0	21,7229	12,0313	1,7979	3,28	6,37
809	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,7877	-6,0788	-0,7778	-37,82	-1,07
809	Shell-Thin	SLU-ENVE	Min	0	0	0	-16,2122	-7,3752	-0,7154	-37,82	-1,86
809	Shell-Thin	SLU-ENVE	Min	0	0	0	-15,9849	-6,9419	-0,9091	-36,47	-1,86
809	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,7316	-5,8434	-0,9714	-36,47	-1,07
809	Shell-Thin	SLE-ENVE	Max	0	0	0	11,7345	7,1456	0,7111	0,55	3,56
809	Shell-Thin	SLE-ENVE	Max	0	0	0	22,024	10,3787	0,2004	0,55	2,22
809	Shell-Thin	SLE-ENVE	Max	0	0	0	21,1318	10,0794	0,4879	0,35	2,22
809	Shell-Thin	SLE-ENVE	Max	0	0	0	11,2143	6,5111	0,9986	0,35	3,56
809	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,0609	-2,9391	-0,4317	-21,73	-0,56
809	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,1208	-3,5168	-0,3977	-21,73	-1,04
809	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,9934	-3,2749	-0,5054	-20,98	-1,04
809	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,0338	-2,8154	-0,5394	-20,98	-0,56
810	Shell-Thin	SLU-ENVE	Max	0	0	0	21,7241	12,0376	2,4779	3,16	10,37
810	Shell-Thin	SLU-ENVE	Max	0	0	0	38,9211	18,3238	1,3462	3,16	13,5
810	Shell-Thin	SLU-ENVE	Max	0	0	0	36,143	15,5145	1,8969	2,82	13,5
810	Shell-Thin	SLU-ENVE	Max	0	0	0	20,8188	10,0104	3,0286	2,82	10,37
810	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,7316	-5,8433	-1,1705	-36,6	-1,94
810	Shell-Thin	SLU-ENVE	Min	0	0	0	-15,9849	-6,9418	-1,0647	-36,6	-2,57
810	Shell-Thin	SLU-ENVE	Min	0	0	0	-15,6692	-6,3514	-1,2285	-32,85	-2,57
810	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,5886	-5,4104	-1,3344	-32,85	-1,94
810	Shell-Thin	SLE-ENVE	Max	0	0	0	11,215	6,5146	1,3763	0,28	5,74
810	Shell-Thin	SLE-ENVE	Max	0	0	0	21,1323	10,0818	0,748	0,28	7,5
810	Shell-Thin	SLE-ENVE	Max	0	0	0	19,5879	8,52	1,0538	0,1	7,5
810	Shell-Thin	SLE-ENVE	Max	0	0	0	10,7149	5,3936	1,6821	0,1	5,74
810	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,0337	-2,8154	-0,6499	-21,06	-1,11
810	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,9933	-3,2748	-0,591	-21,06	-1,42

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
810	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,82	-2,9482	-0,682	-18,97	-1,42
810	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,951	-2,5679	-0,7409	-18,97	-1,11
811	Shell-Thin	SLU-ENVE	Max	0	0	0	20,8175	10,0036	3,5789	2,67	13,91
811	Shell-Thin	SLU-ENVE	Max	0	0	0	36,1446	15,5225	2,3068	2,67	24,7
811	Shell-Thin	SLU-ENVE	Max	0	0	0	32,3097	9,9833	2,5982	2,1	24,7
811	Shell-Thin	SLU-ENVE	Max	0	0	0	19,9233	7,1622	3,8703	2,1	13,91
811	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,5888	-5,411	-1,5023	-31,82	-2,05
811	Shell-Thin	SLU-ENVE	Min	0	0	0	-15,6691	-6,351	-1,3587	-31,82	-3,2
811	Shell-Thin	SLU-ENVE	Min	0	0	0	-15,2376	-5,6224	-1,4855	-25,94	-3,2
811	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,4417	-4,9703	-1,6291	-25,94	-2,05
811	Shell-Thin	SLE-ENVE	Max	0	0	0	10,7141	5,3897	1,9876	0,01971	7,75
811	Shell-Thin	SLE-ENVE	Max	0	0	0	19,5888	8,5245	1,2808	0,01971	13,72
811	Shell-Thin	SLE-ENVE	Max	0	0	0	17,4594	5,4477	1,4425	-0,3	13,72
811	Shell-Thin	SLE-ENVE	Max	0	0	0	10,2152	3,8064	2,1493	-0,3	7,75
811	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,9511	-2,5684	-0,8344	-18,4	-1,11
811	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,8199	-2,9479	-0,7553	-18,4	-1,78
811	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,5794	-2,5425	-0,8258	-15,14	-1,78
811	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,873	-2,3298	-0,9049	-15,14	-1,11
812	Shell-Thin	SLU-ENVE	Max	0	0	0	19,9216	7,1537	4,0164	1,93	14,41
812	Shell-Thin	SLU-ENVE	Max	0	0	0	32,3111	9,9903	2,5936	1,93	25,94
812	Shell-Thin	SLU-ENVE	Max	0	0	0	28,1544	4,2179	2,4342	1,36	25,94
812	Shell-Thin	SLU-ENVE	Max	0	0	0	18,9308	4,2621	3,857	1,36	14,41
812	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,441	-4,9669	-1,7576	-24,14	-2,59
812	Shell-Thin	SLU-ENVE	Min	0	0	0	-15,2378	-5,6234	-1,5647	-24,14	-3,56
812	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,7289	-4,83	-1,6489	-17,81	-3,56
812	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,2183	-4,4167	-1,8418	-17,81	-2,59
812	Shell-Thin	SLE-ENVE	Max	0	0	0	10,2143	3,8021	2,2303	-0,4	8
812	Shell-Thin	SLE-ENVE	Max	0	0	0	17,4602	5,4515	1,4403	-0,4	14,41
812	Shell-Thin	SLE-ENVE	Max	0	0	0	15,1506	2,2439	1,3517	-0,71	14,41
812	Shell-Thin	SLE-ENVE	Max	0	0	0	9,6657	2,1978	2,1417	-0,71	8
812	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,8725	-2,3274	-0,9763	-14,14	-1,45
812	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,5796	-2,5431	-0,8693	-14,14	-1,97
812	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,2983	-2,1035	-0,916	-10,62	-1,97
812	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,7472	-2,0189	-1,0231	-10,62	-1,45
813	Shell-Thin	SLU-ENVE	Max	0	0	0	40,4569	18,8453	-0,5362	13,55	4,84
813	Shell-Thin	SLU-ENVE	Max	0	0	0	39,4787	17,9376	-0,3407	13,55	1,49
813	Shell-Thin	SLU-ENVE	Max	0	0	0	37,9179	18,2253	-0,4468	12,99	1,49
813	Shell-Thin	SLU-ENVE	Max	0	0	0	38,8015	18,2957	-0,6302	12,99	4,84
813	Shell-Thin	SLU-ENVE	Min	0	0	0	-16,1974	-7,3723	-0,6269	2,21	-2,16
813	Shell-Thin	SLU-ENVE	Min	0	0	0	-22,7194	-9,3377	-1,8854	2,21	-2,82
813	Shell-Thin	SLU-ENVE	Min	0	0	0	-22,2208	-8,7396	-1,9485	2,02	-2,82
813	Shell-Thin	SLU-ENVE	Min	0	0	0	-15,9771	-6,9403	-0,7531	2,02	-2,16
813	Shell-Thin	SLE-ENVE	Max	0	0	0	21,9845	10,3708	-0,298	7,28	2,68
813	Shell-Thin	SLE-ENVE	Max	0	0	0	21,6966	9,9175	-0,1896	7,28	0,83
813	Shell-Thin	SLE-ENVE	Max	0	0	0	20,8292	10,077	-0,2486	6,97	0,83
813	Shell-Thin	SLE-ENVE	Max	0	0	0	21,0655	10,0661	-0,3501	6,97	2,68
813	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,1122	-3,5151	-0,3484	0,72	-1,2
813	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,6094	-4,5818	-1,0472	0,72	-1,57
813	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,333	-4,2497	-1,0823	0,61	-1,57
813	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,9895	-3,2741	-0,4186	0,61	-1,2
814	Shell-Thin	SLU-ENVE	Max	0	0	0	38,8023	18,3	-0,1858	12,88	15,59
814	Shell-Thin	SLU-ENVE	Max	0	0	0	37,9175	18,2233	-0,4948	12,88	14,86
814	Shell-Thin	SLU-ENVE	Max	0	0	0	34,3603	15,5998	-0,5775	12,08	14,86

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
814	Shell-Thin	SLU-ENVE	Max	0	0	0	36,04	15,4939	-0,1293	12,08	15,59
814	Shell-Thin	SLU-ENVE	Min	0	0	0	-15,9771	-6,9403	-0,9171	1,54	-2,99
814	Shell-Thin	SLU-ENVE	Min	0	0	0	-22,221	-8,7404	-2,3664	1,54	-3,96
814	Shell-Thin	SLU-ENVE	Min	0	0	0	-21,5013	-7,9071	-2,3099	3,13	-3,96
814	Shell-Thin	SLU-ENVE	Min	0	0	0	-15,6585	-6,3493	-1,0151	3,13	-2,99
814	Shell-Thin	SLE-ENVE	Max	0	0	0	21,066	10,0685	-0,1033	6,91	8,66
814	Shell-Thin	SLE-ENVE	Max	0	0	0	20,829	10,0759	-0,2756	6,91	8,25
814	Shell-Thin	SLE-ENVE	Max	0	0	0	18,8531	8,6185	-0,3216	6,46	8,25
814	Shell-Thin	SLE-ENVE	Max	0	0	0	19,531	8,5086	-0,072	6,46	8,66
814	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,9895	-3,2741	-0,5097	0,35	-1,66
814	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,3331	-4,2501	-1,3147	0,35	-2,2
814	Shell-Thin	SLE-ENVE	Min	0	0	0	-8,9334	-3,7871	-1,2835	1,23	-2,2
814	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,8136	-2,9469	-0,5643	1,23	-1,66
815	Shell-Thin	SLU-ENVE	Max	0	0	0	36,0416	15,5019	0,2817	11,93	27,82
815	Shell-Thin	SLU-ENVE	Max	0	0	0	34,3644	15,6203	-0,6013	11,93	33,75
815	Shell-Thin	SLU-ENVE	Max	0	0	0	28,7267	8,6155	-0,655	10,98	33,75
815	Shell-Thin	SLU-ENVE	Max	0	0	0	32,2953	9,9804	0,2611	10,98	27,82
815	Shell-Thin	SLU-ENVE	Min	0	0	0	-15,6584	-6,3489	-1,1424	3,44	-3,72
815	Shell-Thin	SLU-ENVE	Min	0	0	0	-21,5015	-7,908	-2,5845	3,44	-4,88
815	Shell-Thin	SLU-ENVE	Min	0	0	0	-20,601	-6,8925	-2,6051	7,22	-4,88
815	Shell-Thin	SLU-ENVE	Min	0	0	0	-15,2327	-5,6215	-1,2037	7,22	-3,72
815	Shell-Thin	SLE-ENVE	Max	0	0	0	19,5319	8,5131	0,1561	6,38	15,45
815	Shell-Thin	SLE-ENVE	Max	0	0	0	18,8554	8,6299	-0,3347	6,38	18,75
815	Shell-Thin	SLE-ENVE	Max	0	0	0	15,7233	4,7382	-0,3646	5,85	18,75
815	Shell-Thin	SLE-ENVE	Max	0	0	0	17,4512	5,4461	0,1447	5,85	15,45
815	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,8135	-2,9467	-0,6351	1,4	-2,07
815	Shell-Thin	SLE-ENVE	Min	0	0	0	-8,9336	-3,7877	-1,436	1,4	-2,71
815	Shell-Thin	SLE-ENVE	Min	0	0	0	-8,4341	-3,2239	-1,4474	3,5	-2,71
815	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,577	-2,542	-0,6693	3,5	-2,07
816	Shell-Thin	SLU-ENVE	Max	0	0	0	32,2967	9,9874	0,242	11,46	29,2
816	Shell-Thin	SLU-ENVE	Max	0	0	0	28,7341	8,6526	-0,6529	11,46	35,15
816	Shell-Thin	SLU-ENVE	Max	0	0	0	22,7696	1,4124	-0,6748	13,59	35,15
816	Shell-Thin	SLU-ENVE	Max	0	0	0	28,2386	4,2347	-0,0028	13,59	29,2
816	Shell-Thin	SLU-ENVE	Min	0	0	0	-15,2329	-5,6224	-1,2876	8,1	-4,16
816	Shell-Thin	SLU-ENVE	Min	0	0	0	-20,601	-6,8925	-2,8513	8,1	-5,41
816	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,5469	-5,7859	-3,0962	9,13	-5,41
816	Shell-Thin	SLU-ENVE	Min	0	0	0	-14,7225	-4,8287	-1,3073	9,13	-4,16
816	Shell-Thin	SLE-ENVE	Max	0	0	0	17,4519	5,4499	0,134	5,76	16,22
816	Shell-Thin	SLE-ENVE	Max	0	0	0	15,7274	4,7588	-0,3637	5,76	19,53
816	Shell-Thin	SLE-ENVE	Max	0	0	0	12,4141	0,7366	-0,3759	6,75	19,53
816	Shell-Thin	SLE-ENVE	Max	0	0	0	15,1975	2,2533	-0,0021	6,75	16,22
816	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,5772	-2,5426	-0,7159	3,99	-2,31
816	Shell-Thin	SLE-ENVE	Min	0	0	0	-8,4341	-3,2238	-1,5844	3,99	-3,01
816	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,849	-2,6094	-1,7204	4,86	-3,01
816	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,2946	-2,1028	-0,7269	4,86	-2,31
817	Shell-Thin	SLU-ENVE	Max	0	0	0	39,5383	17,9495	-0,1472	79,08	0,6
817	Shell-Thin	SLU-ENVE	Max	0	0	0	9,3728	8,3998	0,2114	79,08	-0,4
817	Shell-Thin	SLU-ENVE	Max	0	0	0	9,0325	8,9323	0,2257	75,98	-0,4
817	Shell-Thin	SLU-ENVE	Max	0	0	0	37,9609	18,2339	-0,1237	75,98	0,6
817	Shell-Thin	SLU-ENVE	Min	0	0	0	-22,7073	-9,3353	-2,6072	22,56	-3,39
817	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,4001	-11,2045	-3,3008	22,56	-3,67
817	Shell-Thin	SLU-ENVE	Min	0	0	0	-31,4209	-10,5408	-4,2165	21,55	-3,67
817	Shell-Thin	SLU-ENVE	Min	0	0	0	-22,2206	-8,7395	-3,5228	21,55	-3,39

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
817	Shell-Thin	SLE-ENVE	Max	0	0	0	21,7295	9,9241	-0,0824	43,1	0,33
817	Shell-Thin	SLE-ENVE	Max	0	0	0	5,3032	4,6846	0,1166	43,1	-0,22
817	Shell-Thin	SLE-ENVE	Max	0	0	0	5,1139	4,9806	0,1245	41,38	-0,22
817	Shell-Thin	SLE-ENVE	Max	0	0	0	20,8533	10,0818	-0,0695	41,38	0,33
817	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,6027	-4,5805	-1,4482	13,41	-1,88
817	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,3252	-5,687	-1,8336	13,41	-2,04
817	Shell-Thin	SLE-ENVE	Min	0	0	0	-14,7813	-5,3184	-2,3424	12,85	-2,04
817	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,3328	-4,2496	-1,957	12,85	-1,88
818	Shell-Thin	SLU-ENVE	Max	0	0	0	37,9605	18,2319	-0,1695	75,61	14,1
818	Shell-Thin	SLU-ENVE	Max	0	0	0	9,0316	8,9278	0,3213	75,61	9,61
818	Shell-Thin	SLU-ENVE	Max	0	0	0	7,4507	7,4261	0,3532	70,64	9,61
818	Shell-Thin	SLU-ENVE	Max	0	0	0	34,3931	15,6063	-0,1376	70,64	14,1
818	Shell-Thin	SLU-ENVE	Min	0	0	0	-22,2207	-8,7403	-4,0494	21,52	-4,72
818	Shell-Thin	SLU-ENVE	Min	0	0	0	-31,4216	-10,5443	-5,4903	21,52	-5,52
818	Shell-Thin	SLU-ENVE	Min	0	0	0	-30,1162	-9,5102	-6,312	20,29	-5,52
818	Shell-Thin	SLU-ENVE	Min	0	0	0	-21,4968	-7,9062	-4,871	20,29	-4,72
818	Shell-Thin	SLE-ENVE	Max	0	0	0	20,8531	10,0807	-0,095	41,18	7,84
818	Shell-Thin	SLE-ENVE	Max	0	0	0	5,1134	4,9781	0,1773	41,18	5,34
818	Shell-Thin	SLE-ENVE	Max	0	0	0	4,2355	4,1436	0,195	38,42	5,34
818	Shell-Thin	SLE-ENVE	Max	0	0	0	18,8713	8,6221	-0,0774	38,42	7,84
818	Shell-Thin	SLE-ENVE	Min	0	0	0	-9,3329	-4,25	-2,2496	12,83	-2,62
818	Shell-Thin	SLE-ENVE	Min	0	0	0	-14,7817	-5,3203	-3,05	12,83	-3,06
818	Shell-Thin	SLE-ENVE	Min	0	0	0	-14,057	-4,7459	-3,5065	12,15	-3,06
818	Shell-Thin	SLE-ENVE	Min	0	0	0	-8,931	-3,7866	-2,7061	12,15	-2,62
819	Shell-Thin	SLU-ENVE	Max	0	0	0	34,3972	15,6268	-0,1639	69,46	33,16
819	Shell-Thin	SLU-ENVE	Max	0	0	0	7,4537	7,4409	0,4603	69,46	24,69
819	Shell-Thin	SLU-ENVE	Max	0	0	0	4,5618	2,5535	0,5083	62,56	24,69
819	Shell-Thin	SLU-ENVE	Max	0	0	0	28,747	8,6196	-0,1159	62,56	33,16
819	Shell-Thin	SLU-ENVE	Min	0	0	0	-21,497	-7,9071	-5,2738	20,22	-5,78
819	Shell-Thin	SLU-ENVE	Min	0	0	0	-30,1162	-9,5104	-7,3281	20,22	-6,77
819	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,4857	-8,2482	-7,8524	18,64	-6,77
819	Shell-Thin	SLU-ENVE	Min	0	0	0	-20,6022	-6,8928	-5,798	18,64	-5,78
819	Shell-Thin	SLE-ENVE	Max	0	0	0	18,8735	8,6335	-0,0921	37,76	18,43
819	Shell-Thin	SLE-ENVE	Max	0	0	0	4,2371	4,1518	0,2544	37,76	13,71
819	Shell-Thin	SLE-ENVE	Max	0	0	0	2,6305	1,4369	0,281	33,93	13,71
819	Shell-Thin	SLE-ENVE	Max	0	0	0	15,7347	4,7405	-0,0656	33,93	18,43
819	Shell-Thin	SLE-ENVE	Min	0	0	0	-8,9311	-3,7872	-2,9299	12,11	-3,21
819	Shell-Thin	SLE-ENVE	Min	0	0	0	-14,057	-4,7459	-4,0712	12,11	-3,76
819	Shell-Thin	SLE-ENVE	Min	0	0	0	-13,1516	-4,045	-4,3625	11,24	-3,76
819	Shell-Thin	SLE-ENVE	Min	0	0	0	-8,4347	-3,224	-3,2212	11,24	-3,21
820	Shell-Thin	SLU-ENVE	Max	0	0	0	28,7545	8,6567	-0,1121	60,9	34,4
820	Shell-Thin	SLU-ENVE	Max	0	0	0	4,5667	2,5781	0,6148	60,9	25,43
820	Shell-Thin	SLU-ENVE	Max	0	0	0	1,5608	-2,419	0,6782	53,49	25,43
820	Shell-Thin	SLU-ENVE	Max	0	0	0	22,7852	1,4156	-0,0486	53,49	34,4
820	Shell-Thin	SLU-ENVE	Min	0	0	0	-20,6022	-6,8927	-6,0571	18,58	-6,42
820	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,4864	-8,2514	-8,2329	18,58	-7,55
820	Shell-Thin	SLU-ENVE	Min	0	0	0	-26,6509	-6,863	-8,3411	16,89	-7,55
820	Shell-Thin	SLU-ENVE	Min	0	0	0	-19,5474	-5,786	-6,1653	16,89	-6,42
820	Shell-Thin	SLE-ENVE	Max	0	0	0	15,7388	4,7611	-0,0635	33	19,11
820	Shell-Thin	SLE-ENVE	Max	0	0	0	2,6333	1,4505	0,34	33	14,13
820	Shell-Thin	SLE-ENVE	Max	0	0	0	0,9635	-1,3255	0,3751	28,89	14,13
820	Shell-Thin	SLE-ENVE	Max	0	0	0	12,4228	0,7384	-0,0284	28,89	19,11
820	Shell-Thin	SLE-ENVE	Min	0	0	0	-8,4347	-3,224	-3,3652	11,2	-3,56



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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
820	Shell-Thin	SLE-ENVE	Min	0	0	0	-13,152	-4,0468	-4,5739	11,2	-4,19
820	Shell-Thin	SLE-ENVE	Min	0	0	0	-12,1329	-3,2759	-4,634	10,26	-4,19
820	Shell-Thin	SLE-ENVE	Min	0	0	0	-7,8493	-2,6095	-3,4253	10,26	-3,56
825	Shell-Thin	SLU-ENVE	Max	0	0	0	-43,1693	-5,7937	0,9568	214,63	15,82
825	Shell-Thin	SLU-ENVE	Max	0	0	0	-72,718	-25,6752	2,8364	214,63	-100,35
825	Shell-Thin	SLU-ENVE	Max	0	0	0	-59,2511	1,2827	3,6341	121,44	-100,35
825	Shell-Thin	SLU-ENVE	Max	0	0	0	-46,8144	-11,9337	1,5942	121,44	15,82
825	Shell-Thin	SLU-ENVE	Min	0	0	0	-51,689	-11,2197	-4,5991	71,33	6,03
825	Shell-Thin	SLU-ENVE	Min	0	0	0	-131,0297	-49,6852	-1,1012	71,33	-212,62
825	Shell-Thin	SLU-ENVE	Min	0	0	0	-102,6604	-1,7485	-1,6395	27,01	-212,62
825	Shell-Thin	SLU-ENVE	Min	0	0	0	-58,742	-14,8782	-5,1374	27,01	6,03
825	Shell-Thin	SLE-ENVE	Max	0	0	0	-22,2417	-3,1179	0,5142	117,54	8,63
825	Shell-Thin	SLE-ENVE	Max	0	0	0	-39,9528	-14,3249	1,57	117,54	-57,05
825	Shell-Thin	SLE-ENVE	Max	0	0	0	-32,3248	0,9177	2,0126	66,25	-57,05
825	Shell-Thin	SLE-ENVE	Max	0	0	0	-24,3383	-6,487	0,8761	66,25	8,63
825	Shell-Thin	SLE-ENVE	Min	0	0	0	-27,0922	-5,8553	-2,5404	42,87	3,52
825	Shell-Thin	SLE-ENVE	Min	0	0	0	-71,5445	-27,2189	-0,6032	42,87	-116,96
825	Shell-Thin	SLE-ENVE	Min	0	0	0	-55,9145	-0,7119	-0,9014	17,8	-116,96
825	Shell-Thin	SLE-ENVE	Min	0	0	0	-31,0356	-7,9102	-2,8387	17,8	3,52
826	Shell-Thin	SLU-ENVE	Max	0	0	0	-46,8063	-11,8281	5,2773	119,63	-20,05
826	Shell-Thin	SLU-ENVE	Max	0	0	0	-59,2665	1,1979	6,956	119,63	167,7
826	Shell-Thin	SLU-ENVE	Max	0	0	0	-65,0839	-22,6076	7,8912	183,17	167,7
826	Shell-Thin	SLU-ENVE	Max	0	0	0	-39,7682	-5,1794	6,2125	183,17	-20,05
826	Shell-Thin	SLU-ENVE	Min	0	0	0	-58,7249	-14,827	-1,0747	26,53	-34,18
826	Shell-Thin	SLU-ENVE	Min	0	0	0	-102,6945	-1,8252	1,9576	26,53	79,33
826	Shell-Thin	SLU-ENVE	Min	0	0	0	-114,5724	-42,7071	1,9061	60,4	79,33
826	Shell-Thin	SLU-ENVE	Min	0	0	0	-47,1859	-9,6965	-1,1262	60,4	-34,18
826	Shell-Thin	SLE-ENVE	Max	0	0	0	-24,3338	-6,4283	2,9382	65,25	-11,31
826	Shell-Thin	SLE-ENVE	Max	0	0	0	-32,3333	0,872	3,8675	65,25	92,01
826	Shell-Thin	SLE-ENVE	Max	0	0	0	-35,7116	-12,6207	4,3863	100,06	92,01
826	Shell-Thin	SLE-ENVE	Max	0	0	0	-20,3526	-2,7767	3,457	100,06	-11,31
826	Shell-Thin	SLE-ENVE	Min	0	0	0	-31,0261	-7,8818	-0,612	17,53	-18,83
826	Shell-Thin	SLE-ENVE	Min	0	0	0	-55,9334	-0,7545	1,0787	17,53	45,37
826	Shell-Thin	SLE-ENVE	Min	0	0	0	-62,4015	-23,3422	1,0509	36,8	45,37
826	Shell-Thin	SLE-ENVE	Min	0	0	0	-24,5908	-5,0091	-0,6398	36,8	-18,83
827	Shell-Thin	SLU-ENVE	Max	0	0	0	-39,7875	-5,4202	3,3575	185,42	2,16
827	Shell-Thin	SLU-ENVE	Max	0	0	0	-65,062	-22,4984	7,2789	185,42	-91,15
827	Shell-Thin	SLU-ENVE	Max	0	0	0	-50,1747	0,0901	7,52	93,46	-91,15
827	Shell-Thin	SLU-ENVE	Max	0	0	0	-41,5248	-10,0725	3,5986	93,46	2,16
827	Shell-Thin	SLU-ENVE	Min	0	0	0	-47,2246	-9,8417	-6,9523	62,03	-4,48
827	Shell-Thin	SLU-ENVE	Min	0	0	0	-114,518	-42,4351	-0,3732	62,03	-185,67
827	Shell-Thin	SLU-ENVE	Min	0	0	0	-82,4922	-1,6515	-1,0498	18,48	-185,67
827	Shell-Thin	SLU-ENVE	Min	0	0	0	-50,7569	-11,5373	-7,6289	18,48	-4,48
827	Shell-Thin	SLE-ENVE	Max	0	0	0	-20,3635	-2,9099	1,8529	101,31	1,1
827	Shell-Thin	SLE-ENVE	Max	0	0	0	-35,6993	-12,5592	4,036	101,31	-51,97
827	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,2671	0,2604	4,1688	50,75	-51,97
827	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,4031	-5,3805	1,9858	50,75	1,1
827	Shell-Thin	SLE-ENVE	Min	0	0	0	-24,6124	-5,0901	-3,8433	37,7	-2,44
827	Shell-Thin	SLE-ENVE	Min	0	0	0	-62,3714	-23,1917	-0,1968	37,7	-101,96
827	Shell-Thin	SLE-ENVE	Min	0	0	0	-44,7236	-0,6371	-0,5711	13,04	-101,96
827	Shell-Thin	SLE-ENVE	Min	0	0	0	-26,601	-6,0911	-4,2176	13,04	-2,44
828	Shell-Thin	SLU-ENVE	Max	0	0	0	-41,4869	-9,6748	6,427	86,5	-15,76
828	Shell-Thin	SLU-ENVE	Max	0	0	0	-50,2393	-0,3889	9,4412	86,5	76,31

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
828	Shell-Thin	SLU-ENVE	Max	0	0	0	-51,1155	-13,8806	10,4686	108,76	76,31
828	Shell-Thin	SLU-ENVE	Max	0	0	0	-35,5103	-7,2399	7,4543	108,76	-15,76
828	Shell-Thin	SLU-ENVE	Min	0	0	0	-50,6914	-11,2096	-3,9493	15,7	-22,69
828	Shell-Thin	SLU-ENVE	Min	0	0	0	-82,64	-2,2494	1,23	15,7	41,92
828	Shell-Thin	SLU-ENVE	Min	0	0	0	-81,3101	-23,1853	2,4346	34,15	41,92
828	Shell-Thin	SLU-ENVE	Min	0	0	0	-41,6243	-8,6852	-2,7448	34,15	-22,69
828	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,2457	-5,2457	3,5738	46,92	-8,8
828	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,3038	-0,0078	5,2444	46,92	41,55
828	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,9095	-7,6796	5,8194	58,9	41,55
828	Shell-Thin	SLE-ENVE	Max	0	0	0	-18,0094	-3,8678	4,1487	58,9	-8,8
828	Shell-Thin	SLE-ENVE	Min	0	0	0	-26,5644	-5,9081	-2,2052	11,48	-12,56
828	Shell-Thin	SLE-ENVE	Min	0	0	0	-44,8049	-0,9708	0,6794	11,48	24,23
828	Shell-Thin	SLE-ENVE	Min	0	0	0	-43,96	-12,5795	1,3402	21,93	24,23
828	Shell-Thin	SLE-ENVE	Min	0	0	0	-21,5092	-4,4995	-1,5444	21,93	-12,56
833	Shell-Thin	SLU-ENVE	Max	0	0	0	-3,092	6,1031	6,2175	-124,6	1,56
833	Shell-Thin	SLU-ENVE	Max	0	0	0	41,0057	21,1894	6,5041	-124,6	2,03
833	Shell-Thin	SLU-ENVE	Max	0	0	0	39,9776	21,2647	8,4904	-121,03	2,03
833	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,7817	6,376	8,2037	-121,03	1,56
833	Shell-Thin	SLU-ENVE	Min	0	0	0	-35,79	-1,9664	5,3448	-152,14	-2,87
833	Shell-Thin	SLU-ENVE	Min	0	0	0	18,5467	15,2049	5,4734	-152,14	-2,68
833	Shell-Thin	SLU-ENVE	Min	0	0	0	17,8856	15,6991	7,2239	-145,82	-2,68
833	Shell-Thin	SLU-ENVE	Min	0	0	0	-34,0817	-1,4231	7,1549	-145,82	-2,87
833	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,9547	3,3429	3,453	-66,93	0,88
833	Shell-Thin	SLE-ENVE	Max	0	0	0	21,6856	11,5515	3,6124	-66,93	1,13
833	Shell-Thin	SLE-ENVE	Max	0	0	0	21,1152	11,5933	4,7159	-64,95	1,13
833	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,7824	3,4923	4,5565	-64,95	0,88
833	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,9802	-0,9128	2,9705	-84,06	-1,61
833	Shell-Thin	SLE-ENVE	Min	0	0	0	10,9658	8,5925	3,0394	-84,06	-1,49
833	Shell-Thin	SLE-ENVE	Min	0	0	0	10,6043	8,8671	4,0119	-80,54	-1,49
833	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,0306	-0,6069	3,9757	-80,54	-1,61
834	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,7813	6,3781	10,2154	-120,29	5,56
834	Shell-Thin	SLU-ENVE	Max	0	0	0	39,9762	21,2573	10,4077	-120,29	13,28
834	Shell-Thin	SLU-ENVE	Max	0	0	0	36,8121	18,5254	12,1671	-112,83	13,28
834	Shell-Thin	SLU-ENVE	Max	0	0	0	-3,1485	5,5767	11,9749	-112,83	5,56
834	Shell-Thin	SLU-ENVE	Min	0	0	0	-34,0799	-1,4143	9,1382	-145,09	0,06948
834	Shell-Thin	SLU-ENVE	Min	0	0	0	17,8842	15,6924	8,6312	-145,09	10,38
834	Shell-Thin	SLU-ENVE	Min	0	0	0	15,3069	13,1439	10,1985	-133,27	10,38
834	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,2245	-1,3863	10,7684	-133,27	0,06948
834	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,7822	3,4935	5,6744	-64,54	3,08
834	Shell-Thin	SLE-ENVE	Max	0	0	0	21,1144	11,5892	5,7811	-64,54	7,38
834	Shell-Thin	SLE-ENVE	Max	0	0	0	19,3565	10,0714	6,7585	-60,4	7,38
834	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,9858	3,0504	6,6518	-60,4	3,08
834	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,0296	-0,602	5,0764	-80,14	0,05417
834	Shell-Thin	SLE-ENVE	Min	0	0	0	10,6041	8,8634	4,7937	-80,14	5,76
834	Shell-Thin	SLE-ENVE	Min	0	0	0	9,2334	7,4474	5,6644	-73,58	5,76
834	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,9994	-0,5906	5,9817	-73,58	0,05417
835	Shell-Thin	SLU-ENVE	Max	0	0	0	-3,147	5,5841	13,5438	-110,66	19,38
835	Shell-Thin	SLU-ENVE	Max	0	0	0	36,8172	18,5509	13,5667	-110,66	32,15
835	Shell-Thin	SLU-ENVE	Max	0	0	0	31,7555	11,5338	14,6629	-102,51	32,15
835	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,1494	1,7598	14,64	-102,51	19,38
835	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,2251	-1,3893	12,3401	-130,64	6,04
835	Shell-Thin	SLU-ENVE	Min	0	0	0	15,3117	13,1679	11,2261	-130,64	21,67
835	Shell-Thin	SLU-ENVE	Min	0	0	0	11,2659	6,1931	12,2492	-120,4	21,67

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
835	Shell-Thin	SLU-ENVE	Min	0	0	0	-31,6959	-4,3223	13,3086	-120,4	6,04
835	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,9849	3,0546	7,5234	-59,19	10,76
835	Shell-Thin	SLE-ENVE	Max	0	0	0	19,3593	10,0856	7,5357	-59,19	17,86
835	Shell-Thin	SLE-ENVE	Max	0	0	0	16,5481	6,1871	8,1443	-54,66	17,86
835	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,0993	0,9317	8,1319	-54,66	10,76
835	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,9998	-0,5924	6,8546	-72,12	3,34
835	Shell-Thin	SLE-ENVE	Min	0	0	0	9,236	7,4607	6,2348	-72,12	12,04
835	Shell-Thin	SLE-ENVE	Min	0	0	0	6,9875	3,5859	6,8025	-65,43	12,04
835	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,7019	-2,2253	7,3934	-65,43	3,34
836	Shell-Thin	SLU-ENVE	Max	0	0	0	-5,138	1,817	15,2054	-99,82	21,26
836	Shell-Thin	SLU-ENVE	Max	0	0	0	31,7615	11,564	15,468	-99,82	33,12
836	Shell-Thin	SLU-ENVE	Max	0	0	0	26,2493	4,3698	15,7969	-89,2	33,12
836	Shell-Thin	SLU-ENVE	Max	0	0	0	-6,6646	-2,1132	15,5343	-89,2	21,26
836	Shell-Thin	SLU-ENVE	Min	0	0	0	-31,6832	-4,2587	13,7245	-117,3	7,67
836	Shell-Thin	SLU-ENVE	Min	0	0	0	11,2692	6,2095	12,9486	-117,3	22,34
836	Shell-Thin	SLU-ENVE	Min	0	0	0	6,8393	-1,0305	13,305	-103,81	22,34
836	Shell-Thin	SLU-ENVE	Min	0	0	0	-30,1389	-7,8619	13,9069	-103,81	7,67
836	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,0929	0,9637	8,4449	-53,17	11,82
836	Shell-Thin	SLE-ENVE	Max	0	0	0	16,5515	6,2038	8,5914	-53,17	18,4
836	Shell-Thin	SLE-ENVE	Max	0	0	0	13,4893	2,2894	8,7737	-47,26	18,4
836	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,9387	-1,1571	8,6271	-47,26	11,82
836	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,6949	-2,1901	7,6269	-63,71	4,28
836	Shell-Thin	SLE-ENVE	Min	0	0	0	6,9894	3,595	7,1909	-63,71	12,41
836	Shell-Thin	SLE-ENVE	Min	0	0	0	4,5289	-0,4267	7,3883	-56,21	12,41
836	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,8408	-4,1863	7,7288	-56,21	4,28
837	Shell-Thin	SLU-ENVE	Max	0	0	0	40,9816	21,1846	6,2125	-49,31	4,08
837	Shell-Thin	SLU-ENVE	Max	0	0	0	73,2485	34,2161	4,9272	-49,31	7,7
837	Shell-Thin	SLU-ENVE	Max	0	0	0	71,2355	33,204	6,5217	-47,77	7,7
837	Shell-Thin	SLU-ENVE	Max	0	0	0	39,8936	21,2479	7,807	-47,77	4,08
837	Shell-Thin	SLU-ENVE	Min	0	0	0	18,5067	15,1969	5,1168	-102,86	0,77
837	Shell-Thin	SLU-ENVE	Min	0	0	0	54,0421	28,3406	3,993	-102,86	5,13
837	Shell-Thin	SLU-ENVE	Min	0	0	0	51,5758	27,7249	4,9619	-99,13	5,13
837	Shell-Thin	SLU-ENVE	Min	0	0	0	17,7466	15,6713	6,0797	-99,13	0,77
837	Shell-Thin	SLE-ENVE	Max	0	0	0	21,6725	11,5489	3,4508	-25,42	2,27
837	Shell-Thin	SLE-ENVE	Max	0	0	0	38,8388	18,8405	2,7369	-25,42	4,28
837	Shell-Thin	SLE-ENVE	Max	0	0	0	37,7206	18,2782	3,6226	-24,56	4,28
837	Shell-Thin	SLE-ENVE	Max	0	0	0	21,0685	11,5839	4,3365	-24,56	2,27
837	Shell-Thin	SLE-ENVE	Min	0	0	0	10,9377	8,588	2,8417	-54,99	0,43
837	Shell-Thin	SLE-ENVE	Min	0	0	0	30,6748	15,8752	2,2178	-54,99	2,85
837	Shell-Thin	SLE-ENVE	Min	0	0	0	29,3047	15,533	2,7558	-52,92	2,85
837	Shell-Thin	SLE-ENVE	Min	0	0	0	10,5328	8,8517	3,3765	-52,92	0,43
838	Shell-Thin	SLU-ENVE	Max	0	0	0	39,8921	21,2405	9,6692	-46,73	14,83
838	Shell-Thin	SLU-ENVE	Max	0	0	0	71,2349	33,2105	7,717	-46,73	23,16
838	Shell-Thin	SLU-ENVE	Max	0	0	0	66,9584	28,79	9,1028	-46,99	23,16
838	Shell-Thin	SLU-ENVE	Max	0	0	0	36,8011	18,5232	11,055	-46,99	14,83
838	Shell-Thin	SLU-ENVE	Min	0	0	0	17,7453	15,6647	7,3359	-98,3	14,45
838	Shell-Thin	SLU-ENVE	Min	0	0	0	51,5772	27,7316	5,3692	-98,3	19,7
838	Shell-Thin	SLU-ENVE	Min	0	0	0	47,4057	23,4821	6,0713	-93,13	19,7
838	Shell-Thin	SLU-ENVE	Min	0	0	0	15,284	13,1393	8,038	-93,13	14,45
838	Shell-Thin	SLE-ENVE	Max	0	0	0	21,0677	11,5798	5,3709	-23,99	8,24
838	Shell-Thin	SLE-ENVE	Max	0	0	0	37,7203	18,2818	4,2865	-23,99	12,87
838	Shell-Thin	SLE-ENVE	Max	0	0	0	35,3452	15,6213	5,0562	-24,13	12,87
838	Shell-Thin	SLE-ENVE	Max	0	0	0	19,3505	10,0702	6,1406	-24,13	8,24

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
838	Shell-Thin	SLE-ENVE	Min	0	0	0	10,5326	8,848	4,0742	-52,46	8,02
838	Shell-Thin	SLE-ENVE	Min	0	0	0	29,3055	15,5368	2,9819	-52,46	10,95
838	Shell-Thin	SLE-ENVE	Min	0	0	0	26,9878	13,1759	3,3718	-49,59	10,95
838	Shell-Thin	SLE-ENVE	Min	0	0	0	9,2203	7,4448	4,4641	-49,59	8,02
839	Shell-Thin	SLU-ENVE	Max	0	0	0	36,8062	18,5487	12,4944	-46,4	33,64
839	Shell-Thin	SLU-ENVE	Max	0	0	0	66,9625	28,8108	10,0696	-46,4	42,54
839	Shell-Thin	SLU-ENVE	Max	0	0	0	60,2956	19,9683	11,0137	-48,57	42,54
839	Shell-Thin	SLU-ENVE	Max	0	0	0	31,6853	11,5197	13,4385	-48,57	33,64
839	Shell-Thin	SLU-ENVE	Min	0	0	0	15,2888	13,1633	8,9693	-91,36	26,93
839	Shell-Thin	SLU-ENVE	Min	0	0	0	47,4077	23,4923	6,3187	-91,36	33,03
839	Shell-Thin	SLU-ENVE	Min	0	0	0	41,5708	14,7546	6,8737	-84,65	33,03
839	Shell-Thin	SLU-ENVE	Min	0	0	0	11,1646	6,1729	9,5243	-84,65	26,93
839	Shell-Thin	SLE-ENVE	Max	0	0	0	19,3534	10,0844	6,9401	-23,8	18,69
839	Shell-Thin	SLE-ENVE	Max	0	0	0	35,3475	15,6328	5,5933	-23,8	23,63
839	Shell-Thin	SLE-ENVE	Max	0	0	0	31,6444	10,72	6,1176	-25,01	23,63
839	Shell-Thin	SLE-ENVE	Max	0	0	0	16,5088	6,1792	7,4644	-25,01	18,69
839	Shell-Thin	SLE-ENVE	Min	0	0	0	9,2229	7,4581	4,9811	-48,61	14,96
839	Shell-Thin	SLE-ENVE	Min	0	0	0	26,9889	13,1816	3,5091	-48,61	18,35
839	Shell-Thin	SLE-ENVE	Min	0	0	0	23,7461	8,3273	3,8172	-44,88	18,35
839	Shell-Thin	SLE-ENVE	Min	0	0	0	6,9319	3,5748	5,2892	-44,88	14,96
840	Shell-Thin	SLU-ENVE	Max	0	0	0	31,6914	11,55	14,2148	-48,42	34,98
840	Shell-Thin	SLU-ENVE	Max	0	0	0	60,3038	20,0094	11,5692	-48,42	44,62
840	Shell-Thin	SLU-ENVE	Max	0	0	0	53,115	11,4939	11,9493	-50,45	44,62
840	Shell-Thin	SLU-ENVE	Max	0	0	0	26,2491	4,386	14,5949	-50,45	34,98
840	Shell-Thin	SLU-ENVE	Min	0	0	0	11,1679	6,1892	10,1877	-82,4	28,35
840	Shell-Thin	SLU-ENVE	Min	0	0	0	41,574	14,7708	7,2884	-82,4	34,89
840	Shell-Thin	SLU-ENVE	Min	0	0	0	35,2824	5,6711	7,8066	-74,95	34,89
840	Shell-Thin	SLU-ENVE	Min	0	0	0	6,8577	-1,0268	10,7059	-74,95	28,35
840	Shell-Thin	SLE-ENVE	Max	0	0	0	16,5122	6,196	7,8953	-24,92	19,43
840	Shell-Thin	SLE-ENVE	Max	0	0	0	31,649	10,7428	6,4261	-24,92	24,79
840	Shell-Thin	SLE-ENVE	Max	0	0	0	27,6561	5,966	6,637	-26,05	24,79
840	Shell-Thin	SLE-ENVE	Max	0	0	0	13,4894	2,2985	8,1063	-26,05	19,43
840	Shell-Thin	SLE-ENVE	Min	0	0	0	6,9337	3,5839	5,6574	-43,63	15,75
840	Shell-Thin	SLE-ENVE	Min	0	0	0	23,7479	8,3363	4,0474	-43,63	19,39
840	Shell-Thin	SLE-ENVE	Min	0	0	0	20,2525	3,2809	4,335	-39,49	19,39
840	Shell-Thin	SLE-ENVE	Min	0	0	0	4,5388	-0,4247	5,945	-39,49	15,75
841	Shell-Thin	SLU-ENVE	Max	0	0	0	73,2215	34,1988	3,5106	-10,36	8,05
841	Shell-Thin	SLU-ENVE	Max	0	0	0	87,5774	41,7604	1,7786	-10,36	11,69
841	Shell-Thin	SLU-ENVE	Max	0	0	0	84,8222	40,1975	2,1839	-10,01	11,69
841	Shell-Thin	SLU-ENVE	Max	0	0	0	71,2274	33,1902	4,1916	-10,01	8,05
841	Shell-Thin	SLU-ENVE	Min	0	0	0	54,0088	28,3339	2,6455	-43,06	6
841	Shell-Thin	SLU-ENVE	Min	0	0	0	60,3628	31,468	0,8551	-43,06	9,22
841	Shell-Thin	SLU-ENVE	Min	0	0	0	58,0802	30,0591	1,1568	-42,7	9,22
841	Shell-Thin	SLU-ENVE	Min	0	0	0	51,5915	27,728	2,9472	-42,7	6
841	Shell-Thin	SLE-ENVE	Max	0	0	0	38,8238	18,8309	1,9501	-4,13	4,47
841	Shell-Thin	SLE-ENVE	Max	0	0	0	46,6389	22,7956	0,988	-4,13	6,49
841	Shell-Thin	SLE-ENVE	Max	0	0	0	45,1085	21,9272	1,2132	-3,94	6,49
841	Shell-Thin	SLE-ENVE	Max	0	0	0	37,7162	18,2705	2,3284	-3,94	4,47
841	Shell-Thin	SLE-ENVE	Min	0	0	0	30,6563	15,8715	1,4696	-21,56	3,34
841	Shell-Thin	SLE-ENVE	Min	0	0	0	34,0023	17,5765	0,4749	-21,56	5,12
841	Shell-Thin	SLE-ENVE	Min	0	0	0	32,7343	16,7938	0,6427	-21,36	5,12
841	Shell-Thin	SLE-ENVE	Min	0	0	0	29,3133	15,5348	1,6374	-21,36	3,34
842	Shell-Thin	SLU-ENVE	Max	0	0	0	71,2268	33,1967	5,3726	-9,34	25,5

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
842	Shell-Thin	SLU-ENVE	Max	0	0	0	84,8226	40,1992	2,4003	-9,34	28,1
842	Shell-Thin	SLU-ENVE	Max	0	0	0	79,6858	34,7327	2,8303	-11	28,1
842	Shell-Thin	SLU-ENVE	Max	0	0	0	66,9459	28,7875	5,9463	-11	25,5
842	Shell-Thin	SLU-ENVE	Min	0	0	0	51,5929	27,7347	3,5895	-42,27	18,63
842	Shell-Thin	SLU-ENVE	Min	0	0	0	58,0812	30,0637	0,9624	-42,27	20,76
842	Shell-Thin	SLU-ENVE	Min	0	0	0	54,2112	25,5573	1,1442	-40,79	20,76
842	Shell-Thin	SLU-ENVE	Min	0	0	0	47,4061	23,4822	3,7713	-40,79	18,63
842	Shell-Thin	SLE-ENVE	Max	0	0	0	37,7159	18,2741	2,9843	-3,57	14,17
842	Shell-Thin	SLE-ENVE	Max	0	0	0	45,1087	21,9282	1,3334	-3,57	15,61
842	Shell-Thin	SLE-ENVE	Max	0	0	0	42,2554	18,891	1,5723	-4,49	15,61
842	Shell-Thin	SLE-ENVE	Max	0	0	0	35,3382	15,6199	3,303	-4,49	14,17
842	Shell-Thin	SLE-ENVE	Min	0	0	0	29,3141	15,5385	1,9944	-21,12	10,35
842	Shell-Thin	SLE-ENVE	Min	0	0	0	32,7348	16,7963	0,5349	-21,12	11,53
842	Shell-Thin	SLE-ENVE	Min	0	0	0	30,5847	14,2925	0,636	-20,3	11,53
842	Shell-Thin	SLE-ENVE	Min	0	0	0	26,9881	13,176	2,0955	-20,3	10,35
843	Shell-Thin	SLU-ENVE	Max	0	0	0	66,95	28,8083	6,9053	-10,94	45,66
843	Shell-Thin	SLU-ENVE	Max	0	0	0	79,6896	34,7516	2,9017	-10,94	50,43
843	Shell-Thin	SLU-ENVE	Max	0	0	0	72,168	24,1458	3,3304	-15,11	50,43
843	Shell-Thin	SLU-ENVE	Max	0	0	0	60,2786	19,9649	7,3339	-15,11	45,66
843	Shell-Thin	SLU-ENVE	Min	0	0	0	47,4082	23,4924	4,2529	-40,22	30,85
843	Shell-Thin	SLU-ENVE	Min	0	0	0	54,2132	25,5675	0,9846	-40,22	26,79
843	Shell-Thin	SLU-ENVE	Min	0	0	0	48,8241	17,3052	1,1736	-37,36	26,79
843	Shell-Thin	SLU-ENVE	Min	0	0	0	41,5528	14,751	4,4418	-37,36	30,85
843	Shell-Thin	SLE-ENVE	Max	0	0	0	35,3405	15,6314	3,8357	-4,46	25,37
843	Shell-Thin	SLE-ENVE	Max	0	0	0	42,2575	18,9014	1,612	-4,46	28,02
843	Shell-Thin	SLE-ENVE	Max	0	0	0	38,0794	13,009	1,8501	-6,78	28,02
843	Shell-Thin	SLE-ENVE	Max	0	0	0	31,6349	10,7181	4,0738	-6,78	25,37
843	Shell-Thin	SLE-ENVE	Min	0	0	0	26,9892	13,1817	2,3631	-19,98	17,14
843	Shell-Thin	SLE-ENVE	Min	0	0	0	30,5858	14,2982	0,5474	-19,98	14,89
843	Shell-Thin	SLE-ENVE	Min	0	0	0	27,5919	9,7079	0,6525	-18,39	14,89
843	Shell-Thin	SLE-ENVE	Min	0	0	0	23,7361	8,3253	2,4682	-18,39	17,14
844	Shell-Thin	SLU-ENVE	Max	0	0	0	60,2868	20,006	7,8733	-15,56	48,12
844	Shell-Thin	SLU-ENVE	Max	0	0	0	72,1744	24,178	3,4614	-15,56	53,14
844	Shell-Thin	SLU-ENVE	Max	0	0	0	64,0104	15,2195	3,7005	-16,5	53,14
844	Shell-Thin	SLU-ENVE	Max	0	0	0	53,0931	11,4699	8,1124	-16,5	48,12
844	Shell-Thin	SLU-ENVE	Min	0	0	0	41,556	14,7672	4,8356	-36,6	32,73
844	Shell-Thin	SLU-ENVE	Min	0	0	0	48,8269	17,319	1,2375	-36,6	28,72
844	Shell-Thin	SLU-ENVE	Min	0	0	0	42,9573	8,6833	1,5057	-33,49	28,72
844	Shell-Thin	SLU-ENVE	Min	0	0	0	35,2422	5,6631	5,1038	-33,49	32,73
844	Shell-Thin	SLE-ENVE	Max	0	0	0	31,6395	10,7409	4,3733	-7,02	26,73
844	Shell-Thin	SLE-ENVE	Max	0	0	0	38,083	13,027	1,9229	-7,02	29,53
844	Shell-Thin	SLE-ENVE	Max	0	0	0	33,5482	7,8733	2,0556	-8,8	29,53
844	Shell-Thin	SLE-ENVE	Max	0	0	0	27,644	5,9527	4,5061	-8,8	26,73
844	Shell-Thin	SLE-ENVE	Min	0	0	0	23,7379	8,3343	2,687	-17,97	18,18
844	Shell-Thin	SLE-ENVE	Min	0	0	0	27,5935	9,7156	0,6881	-17,97	15,96
844	Shell-Thin	SLE-ENVE	Min	0	0	0	24,3326	4,9177	0,8371	-16,24	15,96
844	Shell-Thin	SLE-ENVE	Min	0	0	0	20,2302	3,2764	2,8361	-16,24	18,18
845	Shell-Thin	SLU-ENVE	Max	0	0	0	87,5964	41,7642	0,6136	31,19	11,85
845	Shell-Thin	SLU-ENVE	Max	0	0	0	75,8933	36,8989	-0,7142	31,19	11,75
845	Shell-Thin	SLU-ENVE	Max	0	0	0	73,8293	34,8678	-0,4983	29,77	11,75
845	Shell-Thin	SLU-ENVE	Max	0	0	0	84,8514	40,2033	0,8294	29,77	11,85
845	Shell-Thin	SLU-ENVE	Min	0	0	0	60,3997	31,4753	-0,3764	-16,4	8,31
845	Shell-Thin	SLU-ENVE	Min	0	0	0	45,7991	26,4034	-1,7146	-16,4	9,62

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
845	Shell-Thin	SLU-ENVE	Min	0	0	0	44,2334	24,6679	-2,2119	-16,17	9,62
845	Shell-Thin	SLU-ENVE	Min	0	0	0	58,125	30,0681	-0,8736	-16,17	8,31
845	Shell-Thin	SLE-ENVE	Max	0	0	0	46,6494	22,7977	0,3411	18,96	6,58
845	Shell-Thin	SLE-ENVE	Max	0	0	0	38,6365	19,8948	-0,3963	18,96	6,53
845	Shell-Thin	SLE-ENVE	Max	0	0	0	37,4898	18,7661	-0,2762	18,37	6,53
845	Shell-Thin	SLE-ENVE	Max	0	0	0	45,1248	21,9305	0,4611	18,37	6,58
845	Shell-Thin	SLE-ENVE	Min	0	0	0	34,0228	17,5806	-0,2092	-7,85	4,61
845	Shell-Thin	SLE-ENVE	Min	0	0	0	25,3372	14,6489	-0,9527	-7,85	5,35
845	Shell-Thin	SLE-ENVE	Min	0	0	0	24,467	13,6843	-1,2288	-7,72	5,35
845	Shell-Thin	SLE-ENVE	Min	0	0	0	32,7592	16,7988	-0,4853	-7,72	4,61
846	Shell-Thin	SLU-ENVE	Max	0	0	0	84,8518	40,2051	1,1929	29,79	27,31
846	Shell-Thin	SLU-ENVE	Max	0	0	0	73,8302	34,873	-0,3431	29,79	24,93
846	Shell-Thin	SLU-ENVE	Max	0	0	0	70,4687	30,1635	-0,0662	26,83	24,93
846	Shell-Thin	SLU-ENVE	Max	0	0	0	79,7029	34,7362	1,4697	26,83	27,31
846	Shell-Thin	SLU-ENVE	Min	0	0	0	58,1259	30,0726	-1,1085	-16,41	20,98
846	Shell-Thin	SLU-ENVE	Min	0	0	0	44,2342	24,6717	-3,143	-16,41	19,02
846	Shell-Thin	SLU-ENVE	Min	0	0	0	41,8283	20,8826	-3,6535	-13,97	19,02
846	Shell-Thin	SLU-ENVE	Min	0	0	0	54,2402	25,5631	-1,6107	-13,97	20,98
846	Shell-Thin	SLE-ENVE	Max	0	0	0	45,125	21,9314	0,6631	18,44	15,18
846	Shell-Thin	SLE-ENVE	Max	0	0	0	37,4903	18,769	-0,1897	18,44	13,85
846	Shell-Thin	SLE-ENVE	Max	0	0	0	35,6236	16,0624	-0,0357	16,55	13,85
846	Shell-Thin	SLE-ENVE	Max	0	0	0	42,2649	18,8929	0,817	16,55	15,18
846	Shell-Thin	SLE-ENVE	Min	0	0	0	32,7597	16,8013	-0,6157	-7,85	11,65
846	Shell-Thin	SLE-ENVE	Min	0	0	0	24,4675	13,6864	-1,7455	-7,85	10,56
846	Shell-Thin	SLE-ENVE	Min	0	0	0	23,1312	11,5816	-2,029	-6,5	10,56
846	Shell-Thin	SLE-ENVE	Min	0	0	0	30,6008	14,2958	-0,8945	-6,5	11,65
847	Shell-Thin	SLU-ENVE	Max	0	0	0	79,7067	34,755	1,7928	25,93	49,45
847	Shell-Thin	SLU-ENVE	Max	0	0	0	70,4701	30,1705	0,1415	25,93	39,41
847	Shell-Thin	SLU-ENVE	Max	0	0	0	65,8273	22,3935	0,2959	21,55	39,41
847	Shell-Thin	SLU-ENVE	Max	0	0	0	72,1714	24,1465	1,9472	21,55	49,45
847	Shell-Thin	SLU-ENVE	Min	0	0	0	54,2423	25,5733	-1,8098	-13,49	27,06
847	Shell-Thin	SLU-ENVE	Min	0	0	0	41,829	20,8864	-4,5027	-13,49	26,85
847	Shell-Thin	SLU-ENVE	Min	0	0	0	38,6075	14,8214	-4,7882	-8,33	26,85
847	Shell-Thin	SLU-ENVE	Min	0	0	0	48,8319	17,3068	-2,0853	-8,33	27,06
847	Shell-Thin	SLE-ENVE	Max	0	0	0	42,2669	18,9033	0,9966	16,05	27,47
847	Shell-Thin	SLE-ENVE	Max	0	0	0	35,6243	16,0662	0,0799	16,05	21,9
847	Shell-Thin	SLE-ENVE	Max	0	0	0	33,0454	11,733	0,1659	13,12	21,9
847	Shell-Thin	SLE-ENVE	Max	0	0	0	38,0814	13,0094	1,0826	13,12	27,47
847	Shell-Thin	SLE-ENVE	Min	0	0	0	30,6019	14,3014	-1,005	-6,23	15,04
847	Shell-Thin	SLE-ENVE	Min	0	0	0	23,1316	11,5837	-2,5006	-6,23	14,92
847	Shell-Thin	SLE-ENVE	Min	0	0	0	21,3416	8,2135	-2,6591	-3,36	14,92
847	Shell-Thin	SLE-ENVE	Min	0	0	0	27,5963	9,7087	-1,1579	-3,36	15,04
848	Shell-Thin	SLU-ENVE	Max	0	0	0	72,1779	24,1787	2,1083	20,07	52,14
848	Shell-Thin	SLU-ENVE	Max	0	0	0	65,8282	22,3982	0,1748	20,07	41,75
848	Shell-Thin	SLU-ENVE	Max	0	0	0	60,7226	14,8094	0,0602	15,4	41,75
848	Shell-Thin	SLU-ENVE	Max	0	0	0	63,9937	15,2181	1,9937	15,4	52,14
848	Shell-Thin	SLU-ENVE	Min	0	0	0	48,8347	17,3206	-2,0329	-7,27	29,05
848	Shell-Thin	SLU-ENVE	Min	0	0	0	38,6077	14,8226	-5,0723	-7,27	28,76
848	Shell-Thin	SLU-ENVE	Min	0	0	0	35,0467	8,4687	-4,9568	-1,9	28,76
848	Shell-Thin	SLU-ENVE	Min	0	0	0	42,9378	8,6794	-1,9376	-1,9	29,05
848	Shell-Thin	SLE-ENVE	Max	0	0	0	38,0849	13,0274	1,172	12,3	28,97
848	Shell-Thin	SLE-ENVE	Max	0	0	0	33,0459	11,7355	0,0988	12,3	23,19
848	Shell-Thin	SLE-ENVE	Max	0	0	0	30,2106	7,4908	0,0353	9,7	23,19

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
848	Shell-Thin	SLE-ENVE	Max	0	0	0	33,5389	7,8725	1,1085	9,7	28,97
848	Shell-Thin	SLE-ENVE	Min	0	0	0	27,5979	9,7165	-1,1288	-2,77	16,14
848	Shell-Thin	SLE-ENVE	Min	0	0	0	21,3417	8,2141	-2,8167	-2,77	15,98
848	Shell-Thin	SLE-ENVE	Min	0	0	0	19,3637	4,6837	-2,7525	0,21	15,98
848	Shell-Thin	SLE-ENVE	Min	0	0	0	24,3217	4,9155	-1,0758	0,21	16,14
849	Shell-Thin	SLU-ENVE	Max	0	0	0	75,8206	36,921	-1,8153	65,43	11,53
849	Shell-Thin	SLU-ENVE	Max	0	0	0	66,923	32,2287	-3,2636	65,43	8,8
849	Shell-Thin	SLU-ENVE	Max	0	0	0	65,0432	31,4606	-3,6979	63,91	8,8
849	Shell-Thin	SLU-ENVE	Max	0	0	0	73,6905	34,8947	-2,2451	63,91	11,53
849	Shell-Thin	SLU-ENVE	Min	0	0	0	45,8783	26,4192	-2,8341	18,9	8,51
849	Shell-Thin	SLU-ENVE	Min	0	0	0	21,2619	16,9651	-4,0337	18,9	5,98
849	Shell-Thin	SLU-ENVE	Min	0	0	0	20,3343	15,6863	-5,1482	18,29	5,98
849	Shell-Thin	SLU-ENVE	Min	0	0	0	44,3167	24,6845	-3,9486	18,29	8,51
849	Shell-Thin	SLE-ENVE	Max	0	0	0	38,5962	19,9071	-1,0081	38	6,41
849	Shell-Thin	SLE-ENVE	Max	0	0	0	33,1968	17,1074	-1,8125	38	4,88
849	Shell-Thin	SLE-ENVE	Max	0	0	0	32,1535	16,6833	-2,0535	37,15	4,88
849	Shell-Thin	SLE-ENVE	Max	0	0	0	37,4126	18,781	-1,2465	37,15	6,41
849	Shell-Thin	SLE-ENVE	Min	0	0	0	25,3815	14,6578	-1,5742	11,75	4,73
849	Shell-Thin	SLE-ENVE	Min	0	0	0	10,74	9,212	-2,2406	11,75	3,31
849	Shell-Thin	SLE-ENVE	Min	0	0	0	10,2259	8,505	-2,8594	11,44	3,31
849	Shell-Thin	SLE-ENVE	Min	0	0	0	24,5132	13,6935	-2,1931	11,44	4,73
850	Shell-Thin	SLU-ENVE	Max	0	0	0	73,6914	34,8999	-2,0901	63,49	23,27
850	Shell-Thin	SLU-ENVE	Max	0	0	0	65,0429	31,4589	-4,1578	63,49	21,39
850	Shell-Thin	SLU-ENVE	Max	0	0	0	60,8364	27,3227	-4,4344	59,74	21,39
850	Shell-Thin	SLU-ENVE	Max	0	0	0	70,3347	30,1367	-2,3473	59,74	23,27
850	Shell-Thin	SLU-ENVE	Min	0	0	0	44,3175	24,6884	-4,9444	17,57	16,91
850	Shell-Thin	SLU-ENVE	Min	0	0	0	20,3358	15,694	-6,3075	17,57	13,1
850	Shell-Thin	SLU-ENVE	Min	0	0	0	19,3051	12,859	-7,317	19,21	13,1
850	Shell-Thin	SLU-ENVE	Min	0	0	0	41,9146	20,8999	-5,9539	19,21	16,91
850	Shell-Thin	SLE-ENVE	Max	0	0	0	37,4131	18,7839	-1,1598	36,92	12,93
850	Shell-Thin	SLE-ENVE	Max	0	0	0	32,1533	16,6823	-2,3083	36,92	11,9
850	Shell-Thin	SLE-ENVE	Max	0	0	0	29,8154	14,3814	-2,4616	34,84	11,9
850	Shell-Thin	SLE-ENVE	Max	0	0	0	35,5493	16,0784	-1,3023	34,84	12,93
850	Shell-Thin	SLE-ENVE	Min	0	0	0	24,5136	13,6956	-2,7459	11,04	9,39
850	Shell-Thin	SLE-ENVE	Min	0	0	0	10,2267	8,5092	-3,503	11,04	7,29
850	Shell-Thin	SLE-ENVE	Min	0	0	0	9,6527	6,9306	-4,0636	11,95	7,29
850	Shell-Thin	SLE-ENVE	Min	0	0	0	23,1793	11,5912	-3,3065	11,95	9,39
851	Shell-Thin	SLU-ENVE	Max	0	0	0	70,3361	30,1437	-2,1553	58,41	37,47
851	Shell-Thin	SLU-ENVE	Max	0	0	0	60,8396	27,3382	-4,6934	58,41	41,19
851	Shell-Thin	SLU-ENVE	Max	0	0	0	54,3308	18,6545	-4,9484	51,43	41,19
851	Shell-Thin	SLU-ENVE	Max	0	0	0	65,8134	22,3908	-2,3997	51,43	37,47
851	Shell-Thin	SLU-ENVE	Min	0	0	0	41,9154	20,9036	-6,8307	19,12	26,13
851	Shell-Thin	SLU-ENVE	Min	0	0	0	19,3024	12,8458	-8,2505	19,12	16,23
851	Shell-Thin	SLU-ENVE	Min	0	0	0	18,4799	9,2436	-8,9234	22,97	16,23
851	Shell-Thin	SLU-ENVE	Min	0	0	0	38,6217	14,8242	-7,5035	22,97	26,13
851	Shell-Thin	SLE-ENVE	Max	0	0	0	35,55	16,0823	-1,1957	34,1	20,82
851	Shell-Thin	SLE-ENVE	Max	0	0	0	29,8171	14,3899	-2,6051	34,1	22,88
851	Shell-Thin	SLE-ENVE	Max	0	0	0	26,2029	9,5669	-2,7465	30,22	22,88
851	Shell-Thin	SLE-ENVE	Max	0	0	0	33,0375	11,7315	-1,3312	30,22	20,82
851	Shell-Thin	SLE-ENVE	Min	0	0	0	23,1798	11,5933	-3,7936	11,9	14,52
851	Shell-Thin	SLE-ENVE	Min	0	0	0	9,6512	6,923	-4,5819	11,9	9,01
851	Shell-Thin	SLE-ENVE	Min	0	0	0	9,1961	4,9237	-4,9555	14,04	9,01
851	Shell-Thin	SLE-ENVE	Min	0	0	0	21,3492	8,215	-4,1672	14,04	14,52

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
852	Shell-Thin	SLU-ENVE	Max	0	0	0	65,8143	22,3954	-2,5196	49,34	39,67
852	Shell-Thin	SLU-ENVE	Max	0	0	0	54,3406	18,7033	-5,3768	49,34	43,76
852	Shell-Thin	SLU-ENVE	Max	0	0	0	47,2657	10,2429	-5,7287	42,15	43,76
852	Shell-Thin	SLU-ENVE	Max	0	0	0	60,8412	14,8112	-2,8732	42,15	39,67
852	Shell-Thin	SLU-ENVE	Min	0	0	0	38,6219	14,8255	-7,7827	23,34	27,65
852	Shell-Thin	SLU-ENVE	Min	0	0	0	18,478	9,234	-9,4619	23,34	17,8
852	Shell-Thin	SLU-ENVE	Min	0	0	0	17,4124	5,3304	-9,6103	27,45	17,8
852	Shell-Thin	SLU-ENVE	Min	0	0	0	35,0058	8,4605	-7,9311	27,45	27,65
852	Shell-Thin	SLE-ENVE	Max	0	0	0	33,038	11,734	-1,3972	29,06	22,04
852	Shell-Thin	SLE-ENVE	Max	0	0	0	26,2084	9,5943	-2,9842	29,06	24,32
852	Shell-Thin	SLE-ENVE	Max	0	0	0	22,2772	4,8265	-3,1793	25,07	24,32
852	Shell-Thin	SLE-ENVE	Max	0	0	0	30,2765	7,4919	-1,5933	25,07	22,04
852	Shell-Thin	SLE-ENVE	Min	0	0	0	21,3493	8,2156	-4,3219	14,25	15,36
852	Shell-Thin	SLE-ENVE	Min	0	0	0	9,1951	4,9186	-5,2544	14,25	9,9
852	Shell-Thin	SLE-ENVE	Min	0	0	0	8,6018	2,7472	-5,3366	16,53	9,9
852	Shell-Thin	SLE-ENVE	Min	0	0	0	19,3411	4,6792	-4,4041	16,53	15,36
853	Shell-Thin	SLU-ENVE	Max	0	0	0	66,9698	32,238	-3,8832	100,28	7,52
853	Shell-Thin	SLU-ENVE	Max	0	0	0	30,6204	18,6448	-4,1709	100,28	5,1
853	Shell-Thin	SLU-ENVE	Max	0	0	0	29,7599	18,2941	-5,0998	98,22	5,1
853	Shell-Thin	SLU-ENVE	Max	0	0	0	65,0442	31,4608	-4,812	98,22	7,52
853	Shell-Thin	SLU-ENVE	Min	0	0	0	21,311	16,975	-4,9244	51,04	5,2
853	Shell-Thin	SLU-ENVE	Min	0	0	0	-2,3503	7,6172	-5,4509	51,04	3,34
853	Shell-Thin	SLU-ENVE	Min	0	0	0	-2,467	6,8346	-6,6419	49,29	3,34
853	Shell-Thin	SLU-ENVE	Min	0	0	0	20,3224	15,6839	-6,0995	49,29	5,2
853	Shell-Thin	SLE-ENVE	Max	0	0	0	33,2232	17,1127	-2,1579	56,26	4,17
853	Shell-Thin	SLE-ENVE	Max	0	0	0	12,2425	9,4121	-2,3167	56,26	2,88
853	Shell-Thin	SLE-ENVE	Max	0	0	0	11,7643	9,2066	-2,8323	55,11	2,88
853	Shell-Thin	SLE-ENVE	Max	0	0	0	32,1533	16,6833	-2,6735	55,11	4,17
853	Shell-Thin	SLE-ENVE	Min	0	0	0	10,7679	9,2175	-2,7354	31,06	2,88
853	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,7305	3,7597	-3,0273	31,06	1,9
853	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,7951	3,3089	-3,688	30,09	1,9
853	Shell-Thin	SLE-ENVE	Min	0	0	0	10,2184	8,5035	-3,3878	30,09	2,88
854	Shell-Thin	SLU-ENVE	Max	0	0	0	65,0438	31,459	-5,6429	97,66	20,4
854	Shell-Thin	SLU-ENVE	Max	0	0	0	29,7567	18,2784	-6,0086	97,66	12,29
854	Shell-Thin	SLU-ENVE	Max	0	0	0	26,976	16,2572	-6,7293	92,74	12,29
854	Shell-Thin	SLU-ENVE	Max	0	0	0	60,8665	27,3287	-6,368	92,74	20,4
854	Shell-Thin	SLU-ENVE	Min	0	0	0	20,324	15,6916	-7,136	48,47	12,04
854	Shell-Thin	SLU-ENVE	Min	0	0	0	-2,4688	6,8257	-8,522	48,47	4,97
854	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,1128	5,7638	-9,8277	47,75	4,97
854	Shell-Thin	SLU-ENVE	Min	0	0	0	19,3226	12,8625	-8,0424	47,75	12,04
854	Shell-Thin	SLE-ENVE	Max	0	0	0	32,1531	16,6823	-3,1334	54,8	11,34
854	Shell-Thin	SLE-ENVE	Max	0	0	0	11,7626	9,1979	-3,3393	54,8	6,78
854	Shell-Thin	SLE-ENVE	Max	0	0	0	10,2171	8,0852	-3,7393	52,07	6,78
854	Shell-Thin	SLE-ENVE	Max	0	0	0	29,8326	14,3849	-3,5373	52,07	11,34
854	Shell-Thin	SLE-ENVE	Min	0	0	0	10,2193	8,5077	-3,9633	29,63	6,7
854	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,7961	3,3039	-4,7339	29,63	2,7
854	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,1544	2,7299	-5,4587	29,23	2,7
854	Shell-Thin	SLE-ENVE	Min	0	0	0	9,663	6,9327	-4,4665	29,23	6,7
855	Shell-Thin	SLU-ENVE	Max	0	0	0	60,8696	27,3442	-6,6332	91,09	39,96
855	Shell-Thin	SLU-ENVE	Max	0	0	0	26,9866	16,31	-7,276	91,09	33,93
855	Shell-Thin	SLU-ENVE	Max	0	0	0	21,9869	9,0934	-7,7901	83,18	33,93
855	Shell-Thin	SLU-ENVE	Max	0	0	0	54,3436	18,657	-7,2002	83,18	39,96
855	Shell-Thin	SLU-ENVE	Min	0	0	0	19,32	12,8493	-8,764	46,91	15,06



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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
855	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,1063	5,7964	-11,2922	46,91	14,69
855	Shell-Thin	SLU-ENVE	Min	0	0	0	-4,4749	2,2847	-12,1864	47,98	14,69
855	Shell-Thin	SLU-ENVE	Min	0	0	0	18,4888	9,2454	-9,5794	47,98	15,06
855	Shell-Thin	SLE-ENVE	Max	0	0	0	29,8343	14,3933	-3,6822	51,15	22,2
855	Shell-Thin	SLE-ENVE	Max	0	0	0	10,223	8,1151	-4,0403	51,15	18,9
855	Shell-Thin	SLE-ENVE	Max	0	0	0	7,4429	4,0931	-4,3253	46,77	18,9
855	Shell-Thin	SLE-ENVE	Max	0	0	0	26,2098	9,5683	-3,9966	46,77	22,2
855	Shell-Thin	SLE-ENVE	Min	0	0	0	9,6615	6,9251	-4,8667	28,76	8,36
855	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,1506	2,7488	-6,27	28,76	8,24
855	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,9143	0,7786	-6,7661	29,37	8,24
855	Shell-Thin	SLE-ENVE	Min	0	0	0	9,2008	4,9246	-5,3181	29,37	8,36
856	Shell-Thin	SLU-ENVE	Max	0	0	0	54,3533	18,7059	-7,6565	80,97	42,31
856	Shell-Thin	SLU-ENVE	Max	0	0	0	21,9855	9,0864	-8,3242	80,97	32,52
856	Shell-Thin	SLU-ENVE	Max	0	0	0	16,8074	2,4508	-8,7211	72,13	32,52
856	Shell-Thin	SLU-ENVE	Max	0	0	0	47,2869	10,2697	-8,1947	72,13	42,31
856	Shell-Thin	SLU-ENVE	Min	0	0	0	18,4869	9,2357	-10,0944	47,53	16,45
856	Shell-Thin	SLU-ENVE	Min	0	0	0	-4,482	2,2495	-12,9525	47,53	12,81
856	Shell-Thin	SLU-ENVE	Min	0	0	0	-5,84	-0,7385	-13,2864	48,15	12,81
856	Shell-Thin	SLU-ENVE	Min	0	0	0	17,4428	5,3365	-10,5051	48,15	16,45
856	Shell-Thin	SLE-ENVE	Max	0	0	0	26,2153	9,5957	-4,2504	45,54	23,51
856	Shell-Thin	SLE-ENVE	Max	0	0	0	7,4419	4,0881	-4,6235	45,54	18,04
856	Shell-Thin	SLE-ENVE	Max	0	0	0	4,5664	0,5113	-4,8446	40,63	18,04
856	Shell-Thin	SLE-ENVE	Max	0	0	0	22,2891	4,8414	-4,5495	40,63	23,51
856	Shell-Thin	SLE-ENVE	Min	0	0	0	9,1998	4,9196	-5,6047	29,12	9,15
856	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,9186	0,7574	-7,1925	29,12	7,07
856	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,6704	-0,8915	-7,3782	29,46	7,07
856	Shell-Thin	SLE-ENVE	Min	0	0	0	8,6188	2,7506	-5,8339	29,46	9,15
857	Shell-Thin	SLU-ENVE	Max	0	0	0	29,7332	18,4674	-3,7382	142,07	3,21
857	Shell-Thin	SLU-ENVE	Max	0	0	0	-37,6973	-4,735	-4,0936	142,07	-2,26
857	Shell-Thin	SLU-ENVE	Max	0	0	0	-40,2258	-3,2777	-5,1821	149,15	-2,26
857	Shell-Thin	SLU-ENVE	Max	0	0	0	30,7461	18,4913	-4,8267	149,15	3,21
857	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,1896	7,4494	-5,2588	79,54	1,41
857	Shell-Thin	SLU-ENVE	Min	0	0	0	-46,9647	-7,0187	-5,7296	79,54	-5,57
857	Shell-Thin	SLU-ENVE	Min	0	0	0	-48,6707	-6,2196	-7,5516	87,06	-5,57
857	Shell-Thin	SLU-ENVE	Min	0	0	0	-1,6642	6,9952	-7,0842	87,06	1,41
857	Shell-Thin	SLE-ENVE	Max	0	0	0	11,7296	9,3095	-2,0615	79,37	1,82
857	Shell-Thin	SLE-ENVE	Max	0	0	0	-25,9492	-3,6495	-2,2872	79,37	-1,26
857	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,4369	-2,8296	-2,8942	83,55	-1,26
857	Shell-Thin	SLE-ENVE	Max	0	0	0	12,3318	9,3201	-2,6685	83,55	1,82
857	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,2273	3,6603	-2,9085	47,49	0,83
857	Shell-Thin	SLE-ENVE	Min	0	0	0	-30,7867	-4,8598	-3,191	47,49	-3,1
857	Shell-Thin	SLE-ENVE	Min	0	0	0	-31,8348	-4,4033	-4,2066	52,04	-3,1
857	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,3191	3,4041	-3,9243	52,04	0,83
858	Shell-Thin	SLU-ENVE	Max	0	0	0	30,743	18,4756	-6,4578	148,43	8,31
858	Shell-Thin	SLU-ENVE	Max	0	0	0	-40,2183	-3,2405	-5,3371	148,43	2,61
858	Shell-Thin	SLU-ENVE	Max	0	0	0	-34,8666	-4,1939	-6,2526	128,58	2,61
858	Shell-Thin	SLU-ENVE	Max	0	0	0	26,1729	16,0966	-7,3733	128,58	8,31
858	Shell-Thin	SLU-ENVE	Min	0	0	0	-1,666	6,9863	-9,5852	86,36	3,31
858	Shell-Thin	SLU-ENVE	Min	0	0	0	-48,6633	-6,1826	-8,4713	86,36	0,14
858	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,2584	-6,8123	-10,0969	72,78	0,14
858	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,9352	5,5993	-11,2187	72,78	3,31
858	Shell-Thin	SLE-ENVE	Max	0	0	0	12,33	9,3114	-3,6012	83,14	4,57
858	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,4328	-2,8089	-2,9506	83,14	1,46

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
858	Shell-Thin	SLE-ENVE	Max	0	0	0	-24,3782	-3,3493	-3,4615	71,88	1,46
858	Shell-Thin	SLE-ENVE	Max	0	0	0	9,7509	7,992	-4,1122	71,88	4,57
858	Shell-Thin	SLE-ENVE	Min	0	0	0	-3,3201	3,3991	-5,3345	51,65	1,77
858	Shell-Thin	SLE-ENVE	Min	0	0	0	-31,8306	-4,3828	-4,6959	51,65	0,08384
858	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,7293	-4,7455	-5,6005	43,73	0,08384
858	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,6419	2,6324	-6,2437	43,73	1,77
859	Shell-Thin	SLU-ENVE	Max	0	0	0	26,1834	16,1493	-7,3786	126,46	30,89
859	Shell-Thin	SLU-ENVE	Max	0	0	0	-34,8899	-4,3106	-8,1129	126,46	4,99
859	Shell-Thin	SLU-ENVE	Max	0	0	0	-36,7068	-4,7553	-8,7591	123,07	4,99
859	Shell-Thin	SLU-ENVE	Max	0	0	0	22,6704	9,2301	-8,0248	123,07	30,89
859	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,9287	5,6319	-12,1652	71,75	14,38
859	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,2778	-6,9092	-12,7868	71,75	-3,25
859	Shell-Thin	SLU-ENVE	Min	0	0	0	-42,7113	-6,3158	-13,8655	76,81	-3,25
859	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,8805	2,4036	-13,2259	76,81	14,38
859	Shell-Thin	SLE-ENVE	Max	0	0	0	9,7569	8,0219	-4,0887	70,69	17,23
859	Shell-Thin	SLE-ENVE	Max	0	0	0	-24,3914	-3,4155	-4,5329	70,69	2,65
859	Shell-Thin	SLE-ENVE	Max	0	0	0	-25,4862	-3,6207	-4,8894	69,04	2,65
859	Shell-Thin	SLE-ENVE	Max	0	0	0	7,8398	4,1725	-4,4453	69,04	17,23
859	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,6381	2,6513	-6,7484	43,15	8,09
859	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,7404	-4,801	-7,1194	43,15	-1,95
859	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,5286	-4,2989	-7,7169	46,32	-1,95
859	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,5577	0,85	-7,3355	46,32	8,09
860	Shell-Thin	SLU-ENVE	Max	0	0	0	22,669	9,223	-8,9967	119,43	27,98
860	Shell-Thin	SLU-ENVE	Max	0	0	0	-36,6617	-4,5295	-8,4024	119,43	12,39
860	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,9307	-7,4762	-8,6262	99,8	12,39
860	Shell-Thin	SLU-ENVE	Max	0	0	0	16,5843	2,3923	-9,2205	99,8	27,98
860	Shell-Thin	SLU-ENVE	Min	0	0	0	-3,8876	2,3684	-14,4012	75,02	11,34
860	Shell-Thin	SLU-ENVE	Min	0	0	0	-42,6812	-6,0889	-13,6273	75,02	3,48
860	Shell-Thin	SLU-ENVE	Min	0	0	0	-38,5315	-8,3804	-13,819	66,03	3,48
860	Shell-Thin	SLU-ENVE	Min	0	0	0	-5,9634	-0,7632	-14,625	66,03	11,34
860	Shell-Thin	SLE-ENVE	Max	0	0	0	7,8388	4,1675	-5,0056	67,01	15,5
860	Shell-Thin	SLE-ENVE	Max	0	0	0	-25,4601	-3,4905	-4,6485	67,01	7,03
860	Shell-Thin	SLE-ENVE	Max	0	0	0	-23,3322	-5,1132	-4,7673	55,94	7,03
860	Shell-Thin	SLE-ENVE	Max	0	0	0	4,4351	0,4771	-5,1243	55,94	15,5
860	Shell-Thin	SLE-ENVE	Min	0	0	0	-4,562	0,8288	-8,0043	45,31	6,23
860	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,5107	-4,2095	-7,5566	45,31	2,11
860	Shell-Thin	SLE-ENVE	Min	0	0	0	-25,5487	-5,5366	-7,6592	40,07	2,11
860	Shell-Thin	SLE-ENVE	Min	0	0	0	-5,7502	-0,9075	-8,124	40,07	6,23
861	Shell-Thin	SLU-ENVE	Max	0	0	0	-36,1681	-4,4292	-5,301	258,04	-8,21
861	Shell-Thin	SLU-ENVE	Max	0	0	0	-84,9998	-30,7612	-3,789	258,04	-120,89
861	Shell-Thin	SLU-ENVE	Max	0	0	0	-66,6292	4,0405	-4,7935	150,38	-120,89
861	Shell-Thin	SLU-ENVE	Max	0	0	0	-41,4611	-3,5248	-6,3054	150,38	-8,21
861	Shell-Thin	SLU-ENVE	Min	0	0	0	-45,7767	-6,7811	-7,152	186,12	-12,19
861	Shell-Thin	SLU-ENVE	Min	0	0	0	-99,331	-38,4661	-5,3202	186,12	-178,2
861	Shell-Thin	SLU-ENVE	Min	0	0	0	-77,3604	-3,1079	-7,0043	93,78	-178,2
861	Shell-Thin	SLU-ENVE	Min	0	0	0	-49,7521	-6,4358	-8,8361	93,78	-12,19
861	Shell-Thin	SLE-ENVE	Max	0	0	0	-25,0225	-3,4736	-3,0245	144,89	-4,65
861	Shell-Thin	SLE-ENVE	Max	0	0	0	-52,713	-18,6881	-2,1551	144,89	-70,72
861	Shell-Thin	SLE-ENVE	Max	0	0	0	-41,9303	1,4979	-2,714	83,26	-70,72
861	Shell-Thin	SLE-ENVE	Max	0	0	0	-28,1522	-2,9727	-3,5834	83,26	-4,65
861	Shell-Thin	SLE-ENVE	Min	0	0	0	-30,0906	-4,7205	-4,0249	109,15	-6,83
861	Shell-Thin	SLE-ENVE	Min	0	0	0	-60,4634	-22,6839	-2,9882	109,15	-101,33
861	Shell-Thin	SLE-ENVE	Min	0	0	0	-48,0231	-2,3465	-3,9243	54,68	-101,33

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
861	Shell-Thin	SLE-ENVE	Min	0	0	0	-32,4705	-4,5305	-4,961	54,68	-6,83
862	Shell-Thin	SLU-ENVE	Max	0	0	0	-41,4536	-3,4875	-2,9453	149,01	1,56
862	Shell-Thin	SLU-ENVE	Max	0	0	0	-66,6412	3,9573	-2,8609	149,01	156,02
862	Shell-Thin	SLU-ENVE	Max	0	0	0	-78,9988	-28,1568	-3,6173	235,31	156,02
862	Shell-Thin	SLU-ENVE	Max	0	0	0	-33,3773	-3,9139	-3,7018	235,31	1,56
862	Shell-Thin	SLU-ENVE	Min	0	0	0	-49,7447	-6,3989	-5,806	92,85	-2,3
862	Shell-Thin	SLU-ENVE	Min	0	0	0	-77,3794	-3,2014	-5,255	92,85	96,68
862	Shell-Thin	SLU-ENVE	Min	0	0	0	-91,1356	-35,1434	-6,5694	170	96,68
862	Shell-Thin	SLU-ENVE	Min	0	0	0	-42,2403	-6,6087	-7,0931	170	-2,3
862	Shell-Thin	SLE-ENVE	Max	0	0	0	-28,1481	-2,952	-1,557	82,49	0,92
862	Shell-Thin	SLE-ENVE	Max	0	0	0	-41,937	1,4517	-1,5397	82,49	89,01
862	Shell-Thin	SLE-ENVE	Max	0	0	0	-49,3796	-17,1305	-1,9608	132,26	89,01
862	Shell-Thin	SLE-ENVE	Max	0	0	0	-23,4412	-3,1878	-1,9781	132,26	0,92
862	Shell-Thin	SLE-ENVE	Min	0	0	0	-32,4664	-4,51	-3,1624	54,16	-1,19
862	Shell-Thin	SLE-ENVE	Min	0	0	0	-48,0337	-2,3985	-2,887	54,16	57,28
862	Shell-Thin	SLE-ENVE	Min	0	0	0	-55,912	-20,8384	-3,6177	99,26	57,28
862	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,1275	-4,6251	-3,8889	99,26	-1,19
863	Shell-Thin	SLU-ENVE	Max	0	0	0	-33,4054	-4,0306	-8,9212	237,39	-6,15
863	Shell-Thin	SLU-ENVE	Max	0	0	0	-78,9601	-28,0192	-6,8417	237,39	-109,73
863	Shell-Thin	SLU-ENVE	Max	0	0	0	-59,231	0,4936	-8,0263	116,71	-109,73
863	Shell-Thin	SLU-ENVE	Max	0	0	0	-37,6724	-4,9485	-10,1059	116,71	-6,15
863	Shell-Thin	SLU-ENVE	Min	0	0	0	-42,2597	-6,7056	-13,3599	171,48	-12,71
863	Shell-Thin	SLU-ENVE	Min	0	0	0	-91,0808	-34,8695	-10,4579	171,48	-152,64
863	Shell-Thin	SLU-ENVE	Min	0	0	0	-65,2691	-3,3193	-12,0293	74,25	-152,64
863	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,536	-6,489	-14,9313	74,25	-12,71
863	Shell-Thin	SLE-ENVE	Max	0	0	0	-23,457	-3,254	-5,0449	133,44	-3,76
863	Shell-Thin	SLE-ENVE	Max	0	0	0	-49,3575	-17,0516	-3,8509	133,44	-64,54
863	Shell-Thin	SLE-ENVE	Max	0	0	0	-37,7672	-0,4736	-4,521	64,44	-64,54
863	Shell-Thin	SLE-ENVE	Max	0	0	0	-26,049	-3,7332	-5,715	64,44	-3,76
863	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,1386	-4,6806	-7,4794	99,62	-7,33
863	Shell-Thin	SLE-ENVE	Min	0	0	0	-55,8813	-20,6846	-5,8423	99,62	-87,14
863	Shell-Thin	SLE-ENVE	Min	0	0	0	-41,2734	-2,465	-6,7231	43,66	-87,14
863	Shell-Thin	SLE-ENVE	Min	0	0	0	-29,0187	-4,3979	-8,3602	43,66	-7,33
864	Shell-Thin	SLU-ENVE	Max	0	0	0	-37,6273	-4,7227	-7,3393	107,57	7,29
864	Shell-Thin	SLU-ENVE	Max	0	0	0	-59,3324	-0,202	-6,5553	107,57	71,88
864	Shell-Thin	SLU-ENVE	Max	0	0	0	-62,4313	-16,7894	-5,7486	134,64	71,88
864	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,6473	-7,4071	-6,5327	134,64	7,29
864	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,5059	-6,262	-11,9689	66,87	-0,85
864	Shell-Thin	SLU-ENVE	Min	0	0	0	-65,3818	-3,7304	-10,5156	66,87	49,91
864	Shell-Thin	SLU-ENVE	Min	0	0	0	-68,0304	-19,2698	-9,645	93,46	49,91
864	Shell-Thin	SLU-ENVE	Min	0	0	0	-38,2687	-8,3278	-11,0984	93,46	-0,85
864	Shell-Thin	SLE-ENVE	Max	0	0	0	-26,023	-3,6031	-4,0267	59,24	4,24
864	Shell-Thin	SLE-ENVE	Max	0	0	0	-37,8267	-0,8683	-3,6237	59,24	41,58
864	Shell-Thin	SLE-ENVE	Max	0	0	0	-40,0131	-10,6072	-3,1356	75,87	41,58
864	Shell-Thin	SLE-ENVE	Max	0	0	0	-23,1635	-5,0722	-3,5386	75,87	4,24
864	Shell-Thin	SLE-ENVE	Min	0	0	0	-29,0008	-4,3076	-6,6154	39,37	-0,19
864	Shell-Thin	SLE-ENVE	Min	0	0	0	-41,338	-2,7061	-5,8301	39,37	30,25
864	Shell-Thin	SLE-ENVE	Min	0	0	0	-42,9944	-11,8557	-5,3204	56,58	30,25
864	Shell-Thin	SLE-ENVE	Min	0	0	0	-25,3856	-5,498	-6,1058	56,58	-0,19
865	Shell-Thin	SLU-ENVE	Max	0	0	0	-85,2397	-30,8092	-0,2106	-115,3	-120,27
865	Shell-Thin	SLU-ENVE	Max	0	0	0	-53,42	-12,183	1,2038	-115,3	-2,41
865	Shell-Thin	SLU-ENVE	Max	0	0	0	-60,9171	-12,6581	0,5865	-11,79	-2,41
865	Shell-Thin	SLU-ENVE	Max	0	0	0	-66,3714	4,1106	-0,6521	-11,79	-120,27

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**Table: Element Forces - Area Shells**

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
865	Shell-Thin	SLU-ENVE	Min	0	0	0	-99,6526	-38,5304	-1,5638	-159,06	-176,42
865	Shell-Thin	SLU-ENVE	Min	0	0	0	-65,8827	-15,5246	-0,101	-159,06	-4,68
865	Shell-Thin	SLU-ENVE	Min	0	0	0	-73,4745	-15,975	-0,6064	-20,04	-4,68
865	Shell-Thin	SLU-ENVE	Min	0	0	0	-77,0726	-3,0649	-2,0693	-20,04	-176,42
865	Shell-Thin	SLE-ENVE	Max	0	0	0	-52,8556	-18,7166	-0,0601	-70,07	-70,33
865	Shell-Thin	SLE-ENVE	Max	0	0	0	-33,5999	-7,5643	0,7043	-70,07	-1,2
865	Shell-Thin	SLE-ENVE	Max	0	0	0	-38,0906	-7,8764	0,3624	-9,88	-1,2
865	Shell-Thin	SLE-ENVE	Max	0	0	0	-41,7781	1,5378	-0,3032	-9,88	-70,33
865	Shell-Thin	SLE-ENVE	Min	0	0	0	-60,6471	-22,7207	-0,8237	-93,46	-100,31
865	Shell-Thin	SLE-ENVE	Min	0	0	0	-40,5928	-9,4288	-0,0018	-93,46	-2,47
865	Shell-Thin	SLE-ENVE	Min	0	0	0	-45,0263	-9,7149	-0,2809	-13,77	-2,47
865	Shell-Thin	SLE-ENVE	Min	0	0	0	-47,8572	-2,3213	-1,1028	-13,77	-100,31
866	Shell-Thin	SLU-ENVE	Max	0	0	0	-66,3834	4,0274	-4,6756	-10,79	152,47
866	Shell-Thin	SLU-ENVE	Max	0	0	0	-60,9145	-12,6453	-3,8684	-10,79	-9,3
866	Shell-Thin	SLU-ENVE	Max	0	0	0	-49,7042	-11,1276	-4,4799	-99,61	-9,3
866	Shell-Thin	SLU-ENVE	Max	0	0	0	-79,2126	-28,1982	-5,2871	-99,61	152,47
866	Shell-Thin	SLU-ENVE	Min	0	0	0	-77,0916	-3,1585	-6,726	-19,42	94,64
866	Shell-Thin	SLU-ENVE	Min	0	0	0	-73,4702	-15,9538	-5,2425	-19,42	-14,43
866	Shell-Thin	SLU-ENVE	Min	0	0	0	-59,7672	-13,851	-6,1439	-145,47	-14,43
866	Shell-Thin	SLU-ENVE	Min	0	0	0	-91,4202	-35,2003	-7,6492	-145,47	94,64
866	Shell-Thin	SLE-ENVE	Max	0	0	0	-41,7848	1,4916	-2,6582	-9,33	87,01
866	Shell-Thin	SLE-ENVE	Max	0	0	0	-38,0892	-7,8693	-2,2221	-9,33	-5,31
866	Shell-Thin	SLE-ENVE	Max	0	0	0	-31,5359	-6,9781	-2,5595	-61,36	-5,31
866	Shell-Thin	SLE-ENVE	Max	0	0	0	-49,5077	-17,1549	-2,9956	-61,36	87,01
866	Shell-Thin	SLE-ENVE	Min	0	0	0	-47,8678	-2,3732	-3,7767	-13,43	56,1
866	Shell-Thin	SLE-ENVE	Min	0	0	0	-45,024	-9,7031	-2,951	-13,43	-8,13
866	Shell-Thin	SLE-ENVE	Min	0	0	0	-37,1972	-8,4995	-3,4603	-85,91	-8,13
866	Shell-Thin	SLE-ENVE	Min	0	0	0	-56,0752	-20,871	-4,2882	-85,91	56,1
867	Shell-Thin	SLU-ENVE	Max	0	0	0	-79,1739	-28,0606	-2,8029	-102,03	-108,86
867	Shell-Thin	SLU-ENVE	Max	0	0	0	-49,7133	-11,1733	-0,8423	-102,03	-8,34
867	Shell-Thin	SLU-ENVE	Max	0	0	0	-55,1024	-11,0477	-0,6273	-5,87	-8,34
867	Shell-Thin	SLU-ENVE	Max	0	0	0	-59,0542	0,5403	-2,588	-5,87	-108,86
867	Shell-Thin	SLU-ENVE	Min	0	0	0	-91,3654	-34,9264	-5,2348	-149,91	-152,66
867	Shell-Thin	SLU-ENVE	Min	0	0	0	-59,7775	-13,903	-2,2514	-149,91	-15,74
867	Shell-Thin	SLU-ENVE	Min	0	0	0	-63,6235	-12,951	-2,2522	-16,66	-15,74
867	Shell-Thin	SLU-ENVE	Min	0	0	0	-65,0675	-3,2853	-5,2113	-16,66	-152,66
867	Shell-Thin	SLE-ENVE	Max	0	0	0	-49,4856	-17,076	-1,4925	-62,72	-63,99
867	Shell-Thin	SLE-ENVE	Max	0	0	0	-31,5412	-7,0045	-0,3873	-62,72	-4,6
867	Shell-Thin	SLE-ENVE	Max	0	0	0	-34,8911	-6,9591	-0,2581	-6,39	-4,6
867	Shell-Thin	SLE-ENVE	Max	0	0	0	-37,6606	-0,4467	-1,3633	-6,39	-63,99
867	Shell-Thin	SLE-ENVE	Min	0	0	0	-56,0444	-20,7172	-2,8659	-88,39	-87,11
867	Shell-Thin	SLE-ENVE	Min	0	0	0	-37,2031	-8,529	-1,1988	-88,39	-8,7
867	Shell-Thin	SLE-ENVE	Min	0	0	0	-39,5764	-8,0208	-1,1804	-11,59	-8,7
867	Shell-Thin	SLE-ENVE	Min	0	0	0	-41,1557	-2,4448	-2,8465	-11,59	-87,11
868	Shell-Thin	SLU-ENVE	Max	0	0	0	-59,1555	-0,1553	-5,2533	-0,69	68,14
868	Shell-Thin	SLU-ENVE	Max	0	0	0	-55,0841	-10,9566	-3,7518	-0,69	-9,72
868	Shell-Thin	SLU-ENVE	Max	0	0	0	-47,2568	-10,0281	-4,9626	-53,9	-9,72
868	Shell-Thin	SLU-ENVE	Max	0	0	0	-62,5072	-16,8046	-6,4641	-53,9	68,14
868	Shell-Thin	SLU-ENVE	Min	0	0	0	-65,1801	-3,6964	-8,356	-11,44	47,97
868	Shell-Thin	SLU-ENVE	Min	0	0	0	-63,6048	-12,8572	-5,846	-11,44	-17,25
868	Shell-Thin	SLU-ENVE	Min	0	0	0	-52,3694	-11,1173	-7,2477	-62,2	-17,25
868	Shell-Thin	SLU-ENVE	Min	0	0	0	-68,1314	-19,29	-9,7577	-62,2	47,97
868	Shell-Thin	SLE-ENVE	Max	0	0	0	-37,7201	-0,8415	-2,954	-3,38	39,47

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
868	Shell-Thin	SLE-ENVE	Max	0	0	0	-34,8803	-6,9052	-2,1337	-3,38	-5,36
868	Shell-Thin	SLE-ENVE	Max	0	0	0	-30,2741	-6,3851	-2,8512	-34,87	-5,36
868	Shell-Thin	SLE-ENVE	Max	0	0	0	-40,0588	-10,6164	-3,6715	-34,87	39,47
868	Shell-Thin	SLE-ENVE	Min	0	0	0	-41,2204	-2,6858	-4,6661	-8,48	29,11
868	Shell-Thin	SLE-ENVE	Min	0	0	0	-39,5656	-7,9666	-3,2812	-8,48	-9,57
868	Shell-Thin	SLE-ENVE	Min	0	0	0	-33,1546	-6,9937	-4,0895	-39	-9,57
868	Shell-Thin	SLE-ENVE	Min	0	0	0	-43,0524	-11,8673	-5,4744	-39	29,11
891	Shell-Thin	SLU-ENVE	Max	0	0	0	-55,0187	-11,2297	-5,8118	-116,12	17,57
891	Shell-Thin	SLU-ENVE	Max	0	0	0	-29,8522	-4,7499	-8,3269	-116,12	13,41
891	Shell-Thin	SLU-ENVE	Max	0	0	0	-34,2354	-2,9692	-6,9882	-130,17	13,41
891	Shell-Thin	SLU-ENVE	Max	0	0	0	-63,7062	-11,9013	-4,4731	-130,17	17,57
891	Shell-Thin	SLU-ENVE	Min	0	0	0	-91,8942	-18,7597	-11,026	-174,92	7,45
891	Shell-Thin	SLU-ENVE	Min	0	0	0	-59,594	-11,2337	-12,2623	-174,92	3,03
891	Shell-Thin	SLU-ENVE	Min	0	0	0	-71,3876	-11,2317	-9,8839	-223	3,03
891	Shell-Thin	SLU-ENVE	Min	0	0	0	-112,7043	-20,8392	-8,6476	-223	7,45
891	Shell-Thin	SLE-ENVE	Max	0	0	0	-30,0436	-6,1381	-3,2308	-63,6	9,79
891	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,355	-2,5936	-4,6279	-63,6	7,45
891	Shell-Thin	SLE-ENVE	Max	0	0	0	-18,7932	-1,603	-3,8819	-71,33	7,45
891	Shell-Thin	SLE-ENVE	Max	0	0	0	-34,8617	-6,4939	-2,4847	-71,33	9,79
891	Shell-Thin	SLE-ENVE	Min	0	0	0	-49,8697	-10,1821	-6,1227	-96,36	4,1
891	Shell-Thin	SLE-ENVE	Min	0	0	0	-32,0783	-6,0347	-6,8096	-96,36	1,68
891	Shell-Thin	SLE-ENVE	Min	0	0	0	-38,6251	-6,0361	-5,4901	-123,15	1,68
891	Shell-Thin	SLE-ENVE	Min	0	0	0	-61,4387	-11,3529	-4,8031	-123,15	4,1
892	Shell-Thin	SLU-ENVE	Max	0	0	0	-29,873	-4,754	-10,5609	-110,95	6,16
892	Shell-Thin	SLU-ENVE	Max	0	0	0	-4,935	1,644	-11,7216	-110,95	0,1
892	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,577	6,8334	-9,5903	-130,06	0,1
892	Shell-Thin	SLU-ENVE	Max	0	0	0	-34,2228	-2,9666	-8,4296	-130,06	6,16
892	Shell-Thin	SLU-ENVE	Min	0	0	0	-59,6276	-11,2404	-13,1711	-154,71	-2,16
892	Shell-Thin	SLU-ENVE	Min	0	0	0	-31,4143	-4,4918	-13,4357	-154,71	-8,97
892	Shell-Thin	SLU-ENVE	Min	0	0	0	-33,8439	-0,992	-10,7243	-204,26	-8,97
892	Shell-Thin	SLU-ENVE	Min	0	0	0	-71,3492	-11,2241	-10,4597	-204,26	-2,16
892	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,3666	-2,5959	-5,8683	-60,25	3,42
892	Shell-Thin	SLE-ENVE	Max	0	0	0	-2,979	0,8651	-6,5128	-60,25	0,05824
892	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,6692	3,747	-5,3266	-70,89	0,05824
892	Shell-Thin	SLE-ENVE	Max	0	0	0	-18,7859	-1,6016	-4,6821	-70,89	3,42
892	Shell-Thin	SLE-ENVE	Min	0	0	0	-32,0968	-6,0384	-7,3149	-85,29	-1,2
892	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,547	-2,315	-7,4622	-85,29	-4,98
892	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,8973	-0,3685	-5,9575	-112,79	-4,98
892	Shell-Thin	SLE-ENVE	Min	0	0	0	-38,6043	-6,0319	-5,8103	-112,79	-1,2
893	Shell-Thin	SLU-ENVE	Max	0	0	0	-63,5899	-11,3199	-3,9378	-132,86	33,55
893	Shell-Thin	SLU-ENVE	Max	0	0	0	-34,2846	-3,2151	-4,947	-132,86	15,96
893	Shell-Thin	SLU-ENVE	Max	0	0	0	-35,3984	-6,7682	-1,3006	-166,14	15,96
893	Shell-Thin	SLU-ENVE	Max	0	0	0	-70,8828	-18,4268	-0,2914	-166,14	33,55
893	Shell-Thin	SLU-ENVE	Min	0	0	0	-112,4772	-19,7038	-6,1868	-226	16,97
893	Shell-Thin	SLU-ENVE	Min	0	0	0	-71,4633	-11,61	-6,6027	-226	5,88
893	Shell-Thin	SLU-ENVE	Min	0	0	0	-74,8332	-16,899	-2,8573	-279,6	5,88
893	Shell-Thin	SLU-ENVE	Min	0	0	0	-125,8981	-33,7855	-2,3407	-279,6	16,97
893	Shell-Thin	SLE-ENVE	Max	0	0	0	-34,7957	-6,1638	-2,1801	-72,84	18,48
893	Shell-Thin	SLE-ENVE	Max	0	0	0	-18,8208	-1,7411	-2,7404	-72,84	8,84
893	Shell-Thin	SLE-ENVE	Max	0	0	0	-19,4318	-3,7227	-0,7246	-91,65	8,84
893	Shell-Thin	SLE-ENVE	Max	0	0	0	-38,8911	-10,1964	-0,1644	-91,65	18,48
893	Shell-Thin	SLE-ENVE	Min	0	0	0	-61,3138	-10,7284	-3,4404	-124,8	9,6
893	Shell-Thin	SLE-ENVE	Min	0	0	0	-38,6666	-6,2436	-3,6717	-124,8	3,3

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
893	Shell-Thin	SLE-ENVE	Min	0	0	0	-40,5539	-9,1675	-1,5849	-154,29	3,3
893	Shell-Thin	SLE-ENVE	Min	0	0	0	-68,731	-18,4765	-1,2974	-154,29	9,6
894	Shell-Thin	SLU-ENVE	Max	0	0	0	-34,272	-3,2126	-5,6486	-133,2	13,08
894	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,5936	6,7505	-6,094	-133,2	10,42
894	Shell-Thin	SLU-ENVE	Max	0	0	0	-4,2752	3,3465	-2,0418	-137,35	10,42
894	Shell-Thin	SLU-ENVE	Max	0	0	0	-35,5551	-6,7995	-1,5964	-137,35	13,08
894	Shell-Thin	SLU-ENVE	Min	0	0	0	-71,4249	-11,6023	-6,7543	-208,36	3,76
894	Shell-Thin	SLU-ENVE	Min	0	0	0	-33,8716	-1,13	-7,0343	-208,36	0,67
894	Shell-Thin	SLU-ENVE	Min	0	0	0	-37,7701	-5,1529	-3,0459	-207,17	0,67
894	Shell-Thin	SLU-ENVE	Min	0	0	0	-75,1015	-16,9526	-2,9397	-207,17	3,76
894	Shell-Thin	SLE-ENVE	Max	0	0	0	-18,8135	-1,7396	-3,1339	-72,66	7,24
894	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,6785	3,7003	-3,3827	-72,66	5,8
894	Shell-Thin	SLE-ENVE	Max	0	0	0	-2,6125	1,8098	-1,1378	-74,89	5,8
894	Shell-Thin	SLE-ENVE	Max	0	0	0	-19,5197	-3,7403	-0,889	-74,89	7,24
894	Shell-Thin	SLE-ENVE	Min	0	0	0	-38,6458	-6,2395	-3,754	-115,05	2,12
894	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,9124	-0,4439	-3,9087	-115,05	0,36
894	Shell-Thin	SLE-ENVE	Min	0	0	0	-20,0792	-2,6799	-1,6883	-114,46	0,36
894	Shell-Thin	SLE-ENVE	Min	0	0	0	-40,7014	-9,197	-1,6307	-114,46	2,12
915	Shell-Thin	SLU-ENVE	Max	0	0	0	-71,0502	-19,2638	3,3154	-161,78	-72,45
915	Shell-Thin	SLU-ENVE	Max	0	0	0	-35,3243	-6,3977	4,0366	-161,78	-17,29
915	Shell-Thin	SLU-ENVE	Max	0	0	0	-38,859	-1,8981	2,4738	-96,49	-17,29
915	Shell-Thin	SLU-ENVE	Max	0	0	0	-61,6318	0,4964	1,7526	-96,49	-72,45
915	Shell-Thin	SLU-ENVE	Min	0	0	0	-126,2601	-35,5958	1,0001	-268,56	-148,21
915	Shell-Thin	SLU-ENVE	Min	0	0	0	-74,7253	-16,3593	1,3592	-268,56	-34,27
915	Shell-Thin	SLU-ENVE	Min	0	0	0	-80,5482	-8,7532	1,7288	-135,34	-34,27
915	Shell-Thin	SLU-ENVE	Min	0	0	0	-107,0826	-1,63	1,3697	-135,34	-148,21
915	Shell-Thin	SLE-ENVE	Max	0	0	0	-38,9859	-10,6706	1,821	-89,16	-41,21
915	Shell-Thin	SLE-ENVE	Max	0	0	0	-19,3902	-3,5147	2,2173	-89,16	-9,83
915	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,3716	-0,9912	1,3609	-52,03	-9,83
915	Shell-Thin	SLE-ENVE	Max	0	0	0	-33,6287	0,4403	0,9646	-52,03	-41,21
915	Shell-Thin	SLE-ENVE	Min	0	0	0	-68,9305	-19,4739	0,5789	-148,21	-81,49
915	Shell-Thin	SLE-ENVE	Min	0	0	0	-40,4947	-8,8717	0,7832	-148,21	-18,84
915	Shell-Thin	SLE-ENVE	Min	0	0	0	-43,6966	-4,6907	0,9751	-74,92	-18,84
915	Shell-Thin	SLE-ENVE	Min	0	0	0	-58,3878	-0,6415	0,7708	-74,92	-81,49
916	Shell-Thin	SLU-ENVE	Max	0	0	0	-35,481	-6,429	1,7429	-133,99	-12,89
916	Shell-Thin	SLU-ENVE	Max	0	0	0	-4,2428	3,5086	0,6615	-133,99	2,35
916	Shell-Thin	SLU-ENVE	Max	0	0	0	-4,3958	3,9216	0,8315	-146,05	2,35
916	Shell-Thin	SLU-ENVE	Max	0	0	0	-38,4595	-1,8182	1,7697	-146,05	-12,89
916	Shell-Thin	SLU-ENVE	Min	0	0	0	-74,9936	-16,413	0,2746	-198,78	-25,39
916	Shell-Thin	SLU-ENVE	Min	0	0	0	-37,736	-4,9825	-0,2577	-198,78	0,52
916	Shell-Thin	SLU-ENVE	Min	0	0	0	-38,0182	-4,1297	0,6883	-223,46	0,52
916	Shell-Thin	SLU-ENVE	Min	0	0	0	-79,9027	-8,6242	1,3464	-223,46	-25,39
916	Shell-Thin	SLE-ENVE	Max	0	0	0	-19,4781	-3,5323	0,9546	-72,98	-7,33
916	Shell-Thin	SLE-ENVE	Max	0	0	0	-2,5944	1,9004	0,36	-72,98	1,3
916	Shell-Thin	SLE-ENVE	Max	0	0	0	-2,6802	2,1331	0,4624	-79,84	1,3
916	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,1477	-0,9464	0,9752	-79,84	-7,33
916	Shell-Thin	SLE-ENVE	Min	0	0	0	-40,6422	-8,9012	0,1677	-109,84	-13,96
916	Shell-Thin	SLE-ENVE	Min	0	0	0	-20,0605	-2,5864	-0,135	-109,84	0,3
916	Shell-Thin	SLE-ENVE	Min	0	0	0	-20,2159	-2,1187	0,3806	-123,4	0,3
916	Shell-Thin	SLE-ENVE	Min	0	0	0	-43,3417	-4,6197	0,7544	-123,4	-13,96
917	Shell-Thin	SLU-ENVE	Max	0	0	0	-61,5679	1,2114	-0,0088	-100,8	205,89
917	Shell-Thin	SLU-ENVE	Max	0	0	0	-38,9126	-2,166	-0,1307	-100,8	32,95
917	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,3108	-6,5006	1,4538	-189,15	32,95

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
917	Shell-Thin	SLU-ENVE	Max	0	0	0	-73,1256	-25,7382	1,5757	-189,15	205,89
917	Shell-Thin	SLU-ENVE	Min	0	0	0	-106,9396	-1,3106	-3,3601	-145,52	98,36
917	Shell-Thin	SLU-ENVE	Min	0	0	0	-80,633	-9,1776	-3,6836	-145,52	18,3
917	Shell-Thin	SLU-ENVE	Min	0	0	0	-69,5162	-16,9837	-2,3728	-337,89	18,3
917	Shell-Thin	SLU-ENVE	Min	0	0	0	-131,8962	-49,8297	-2,0493	-337,89	98,36
917	Shell-Thin	SLE-ENVE	Max	0	0	0	-33,5924	0,763	-0,0297	-54,48	113,18
917	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,4016	-1,1414	-0,1029	-54,48	18,06
917	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,7068	-3,5783	0,7804	-104,78	18,06
917	Shell-Thin	SLE-ENVE	Max	0	0	0	-40,1837	-14,36	0,8536	-104,78	113,18
917	Shell-Thin	SLE-ENVE	Min	0	0	0	-58,3091	-0,4597	-1,8451	-80,57	55,99
917	Shell-Thin	SLE-ENVE	Min	0	0	0	-43,7433	-4,924	-2,0199	-80,57	10,44
917	Shell-Thin	SLE-ENVE	Min	0	0	0	-37,6183	-9,2066	-1,2946	-186,36	10,44
917	Shell-Thin	SLE-ENVE	Min	0	0	0	-72,022	-27,2991	-1,1198	-186,36	55,99
918	Shell-Thin	SLU-ENVE	Max	0	0	0	-38,5131	-2,0861	1,15	-148,3	21,74
918	Shell-Thin	SLU-ENVE	Max	0	0	0	-4,4053	3,8739	1,9814	-148,3	-3,99
918	Shell-Thin	SLU-ENVE	Max	0	0	0	-3,2945	6,0987	3,5657	-125,25	-3,99
918	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,792	-6,5968	2,7343	-125,25	21,74
918	Shell-Thin	SLU-ENVE	Min	0	0	0	-79,9876	-9,0485	-0,9144	-229,05	11,97
918	Shell-Thin	SLU-ENVE	Min	0	0	0	-38,0313	-4,1949	1,0764	-229,05	-19,42
918	Shell-Thin	SLU-ENVE	Min	0	0	0	-36,1718	-1,994	2,4049	-187,23	-19,42
918	Shell-Thin	SLU-ENVE	Min	0	0	0	-70,2856	-17,1376	0,4141	-187,23	11,97
918	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,1777	-1,0966	0,6246	-81,12	11,9
918	Shell-Thin	SLE-ENVE	Max	0	0	0	-2,6855	2,1065	1,0961	-81,12	-2,25
918	Shell-Thin	SLE-ENVE	Max	0	0	0	-2,0685	3,3402	1,9758	-68,05	-2,25
918	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,9764	-3,6322	1,5043	-68,05	11,9
918	Shell-Thin	SLE-ENVE	Min	0	0	0	-43,3884	-4,8531	-0,4958	-126,48	6,74
918	Shell-Thin	SLE-ENVE	Min	0	0	0	-20,2231	-2,1547	0,6016	-126,48	-10,76
918	Shell-Thin	SLE-ENVE	Min	0	0	0	-19,1898	-0,9279	1,3399	-103,48	-10,76
918	Shell-Thin	SLE-ENVE	Min	0	0	0	-38,0416	-9,2912	0,2425	-103,48	6,74
919	Shell-Thin	SLU-ENVE	Max	0	0	0	-73,1295	-25,7575	6,3071	-188,85	-100,99
919	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,2959	-6,4259	7,2306	-188,85	-18,65
919	Shell-Thin	SLU-ENVE	Max	0	0	0	-36,7013	-1,3133	9,1145	-98,05	-18,65
919	Shell-Thin	SLU-ENVE	Max	0	0	0	-59,0067	1,3786	8,191	-98,05	-100,99
919	Shell-Thin	SLU-ENVE	Min	0	0	0	-131,9022	-49,8597	4,8751	-338,53	-214,97
919	Shell-Thin	SLU-ENVE	Min	0	0	0	-69,4951	-16,8784	6,6355	-338,53	-43,25
919	Shell-Thin	SLU-ENVE	Min	0	0	0	-75,2884	-8,5695	8,1268	-149,15	-43,25
919	Shell-Thin	SLU-ENVE	Min	0	0	0	-102,1811	-1,6996	6,3119	-149,15	-214,97
919	Shell-Thin	SLE-ENVE	Max	0	0	0	-40,186	-14,3716	3,5119	-104,61	-57,41
919	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,6984	-3,5364	4,0265	-104,61	-10,55
919	Shell-Thin	SLE-ENVE	Max	0	0	0	-20,1751	-0,6759	5,0731	-53,01	-10,55
919	Shell-Thin	SLE-ENVE	Max	0	0	0	-32,1845	0,9522	4,5585	-53,01	-57,41
919	Shell-Thin	SLE-ENVE	Min	0	0	0	-72,0252	-27,3151	2,6913	-186,73	-118,26
919	Shell-Thin	SLE-ENVE	Min	0	0	0	-37,6068	-9,1489	3,7077	-186,73	-23,86
919	Shell-Thin	SLE-ENVE	Min	0	0	0	-40,7704	-4,5708	4,5296	-82,55	-23,86
919	Shell-Thin	SLE-ENVE	Min	0	0	0	-55,6521	-0,6838	3,4891	-82,55	-118,26
920	Shell-Thin	SLU-ENVE	Max	0	0	0	-32,7771	-6,5221	6,1313	-126	-12,71
920	Shell-Thin	SLU-ENVE	Max	0	0	0	-3,302	6,0611	5,6683	-126	2,64
920	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,4165	6,4491	7,6834	-142,44	2,64
920	Shell-Thin	SLU-ENVE	Max	0	0	0	-36,298	-1,2327	8,2403	-142,44	-12,71
920	Shell-Thin	SLU-ENVE	Min	0	0	0	-70,2646	-17,0323	5,2958	-189,61	-31,34
920	Shell-Thin	SLU-ENVE	Min	0	0	0	-36,1819	-2,0448	4,7282	-189,61	0,13
920	Shell-Thin	SLU-ENVE	Min	0	0	0	-33,5742	-1,3216	6,6934	-226,85	0,13
920	Shell-Thin	SLU-ENVE	Min	0	0	0	-74,6414	-8,4401	7,2611	-226,85	-31,34

Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
920	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,968	-3,5903	3,4086	-68,48	-7,19
920	Shell-Thin	SLE-ENVE	Max	0	0	0	-2,0727	3,3193	3,1479	-68,48	1,53
920	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,578	3,5332	4,2678	-77,91	1,53
920	Shell-Thin	SLE-ENVE	Max	0	0	0	-19,9489	-0,6306	4,5807	-77,91	-7,19
920	Shell-Thin	SLE-ENVE	Min	0	0	0	-38,0301	-9,2336	2,9355	-104,8	-17,29
920	Shell-Thin	SLE-ENVE	Min	0	0	0	-19,1954	-0,9559	2,6278	-104,8	0,02148
920	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,7515	-0,5511	3,7184	-125,22	0,02148
920	Shell-Thin	SLE-ENVE	Min	0	0	0	-40,4151	-4,4998	4,026	-125,22	-17,29
921	Shell-Thin	SLU-ENVE	Max	0	0	0	-59,022	1,2592	6,0023	-96,4	167,54
921	Shell-Thin	SLU-ENVE	Max	0	0	0	-36,6922	-1,2677	6,6881	-96,4	14,07
921	Shell-Thin	SLU-ENVE	Max	0	0	0	-29,3388	-5,4967	8,1696	-165,58	14,07
921	Shell-Thin	SLU-ENVE	Max	0	0	0	-65,4278	-22,6764	7,4838	-165,58	167,54
921	Shell-Thin	SLU-ENVE	Min	0	0	0	-102,2151	-1,7763	1,1735	-146,85	79,49
921	Shell-Thin	SLU-ENVE	Min	0	0	0	-75,2711	-8,4832	2,8113	-146,85	7,69
921	Shell-Thin	SLU-ENVE	Min	0	0	0	-61,6248	-14,185	3,6035	-289,58	7,69
921	Shell-Thin	SLU-ENVE	Min	0	0	0	-115,3349	-42,8596	1,9656	-289,58	79,49
921	Shell-Thin	SLE-ENVE	Max	0	0	0	-32,1931	0,9065	3,3233	-52,08	91,91
921	Shell-Thin	SLE-ENVE	Max	0	0	0	-20,17	-0,6505	3,7028	-52,08	7,65
921	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,0555	-3,0202	4,5258	-91,68	7,65
921	Shell-Thin	SLE-ENVE	Max	0	0	0	-35,9073	-12,6598	4,1463	-91,68	91,91
921	Shell-Thin	SLE-ENVE	Min	0	0	0	-55,671	-0,7264	0,67	-81,27	45,47
921	Shell-Thin	SLE-ENVE	Min	0	0	0	-40,7608	-4,5229	1,5829	-81,27	4,46
921	Shell-Thin	SLE-ENVE	Min	0	0	0	-33,2345	-7,6526	2,0224	-159,53	4,46
921	Shell-Thin	SLE-ENVE	Min	0	0	0	-62,8211	-23,4261	1,1096	-159,53	45,47
922	Shell-Thin	SLU-ENVE	Max	0	0	0	-36,2889	-1,187	8,4122	-141,15	12,01
922	Shell-Thin	SLU-ENVE	Max	0	0	0	-2,4161	6,4512	9,4574	-141,15	-1,95
922	Shell-Thin	SLU-ENVE	Max	0	0	0	-3,3088	5,5447	11,3179	-112,66	-1,95
922	Shell-Thin	SLU-ENVE	Max	0	0	0	-29,7685	-5,5826	10,2727	-112,66	12,01
922	Shell-Thin	SLU-ENVE	Min	0	0	0	-74,6242	-8,3538	6,0121	-225,3	6,19
922	Shell-Thin	SLU-ENVE	Min	0	0	0	-33,5725	-1,3128	8,2913	-225,3	-11,6
922	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,5468	-1,4508	9,888	-164,97	-11,6
922	Shell-Thin	SLU-ENVE	Min	0	0	0	-62,2855	-14,3171	7,6089	-164,97	6,19
922	Shell-Thin	SLE-ENVE	Max	0	0	0	-19,9438	-0,6053	4,6673	-77,2	6,73
922	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,5778	3,5344	5,2521	-77,2	-1,11
922	Shell-Thin	SLE-ENVE	Max	0	0	0	-2,0762	3,0324	6,2861	-61,06	-1,11
922	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,2964	-3,0683	5,7013	-61,06	6,73
922	Shell-Thin	SLE-ENVE	Min	0	0	0	-40,4055	-4,4518	3,3484	-124,35	3,57
922	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,7505	-0,5462	4,6069	-124,35	-6,39
922	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,176	-0,6259	5,4928	-91,11	-6,39
922	Shell-Thin	SLE-ENVE	Min	0	0	0	-33,5973	-7,7252	4,2343	-91,11	3,57
923	Shell-Thin	SLU-ENVE	Max	0	0	0	-65,4059	-22,5671	12,2029	-165,81	-92,5
923	Shell-Thin	SLU-ENVE	Max	0	0	0	-29,3688	-5,6465	14,0268	-165,81	-21,74
923	Shell-Thin	SLU-ENVE	Max	0	0	0	-31,9151	-2,6429	15,6855	-81,68	-21,74
923	Shell-Thin	SLU-ENVE	Max	0	0	0	-49,9608	0,1442	13,8616	-81,68	-92,5
923	Shell-Thin	SLU-ENVE	Min	0	0	0	-115,2805	-42,5876	7,9876	-292,15	-188,71
923	Shell-Thin	SLU-ENVE	Min	0	0	0	-61,6753	-14,4374	11,4653	-292,15	-44,47
923	Shell-Thin	SLU-ENVE	Min	0	0	0	-62,8289	-7,9571	12,8148	-112,12	-44,47
923	Shell-Thin	SLU-ENVE	Min	0	0	0	-82,0686	-1,5813	9,5624	-112,12	-188,71
923	Shell-Thin	SLE-ENVE	Max	0	0	0	-35,895	-12,5983	6,7868	-91,81	-52,73
923	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,0722	-3,1039	7,8027	-91,81	-12,21
923	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,5139	-1,4064	8,7255	-43,86	-12,21
923	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,1441	0,2908	7,7096	-43,86	-52,73
923	Shell-Thin	SLE-ENVE	Min	0	0	0	-62,791	-23,2756	4,4194	-160,95	-103,64



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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
923	Shell-Thin	SLE-ENVE	Min	0	0	0	-33,2624	-7,792	6,3465	-160,95	-24,46
923	Shell-Thin	SLE-ENVE	Min	0	0	0	-33,8522	-4,246	7,1462	-60,22	-24,46
923	Shell-Thin	SLE-ENVE	Min	0	0	0	-44,4919	-0,6091	5,2913	-60,22	-103,64
924	Shell-Thin	SLU-ENVE	Max	0	0	0	-29,7985	-5,7325	13,7903	-111,13	-9,79
924	Shell-Thin	SLU-ENVE	Max	0	0	0	-3,3074	5,552	13,2644	-111,13	17,84
924	Shell-Thin	SLU-ENVE	Max	0	0	0	-4,9771	1,7942	14,6631	-118,16	17,84
924	Shell-Thin	SLU-ENVE	Max	0	0	0	-31,6156	-2,5831	15,189	-118,16	-9,79
924	Shell-Thin	SLU-ENVE	Min	0	0	0	-62,336	-14,5696	11,8087	-163,92	-27,08
924	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,5474	-1,4538	11,856	-163,92	4,4
924	Shell-Thin	SLU-ENVE	Min	0	0	0	-31,4424	-4,2716	13,1225	-169,94	4,4
924	Shell-Thin	SLU-ENVE	Min	0	0	0	-62,3603	-7,8634	12,9146	-169,94	-27,08
924	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,3132	-3,1521	7,6655	-60,21	-5,54
924	Shell-Thin	SLE-ENVE	Max	0	0	0	-2,0753	3,0365	7,3688	-60,21	9,92
924	Shell-Thin	SLE-ENVE	Max	0	0	0	-3,0026	0,9511	8,1454	-64,37	9,92
924	Shell-Thin	SLE-ENVE	Max	0	0	0	-1,3727	-1,3727	8,4421	-64,37	-5,54
924	Shell-Thin	SLE-ENVE	Min	0	0	0	-33,6252	-7,8646	6,5484	-90,53	-14,87
924	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,1763	-0,6277	6,5833	-90,53	2,48
924	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,5628	-2,1974	7,2881	-93,65	2,48
924	Shell-Thin	SLE-ENVE	Min	0	0	0	-33,5956	-4,1947	7,1857	-93,65	-14,87
925	Shell-Thin	SLU-ENVE	Max	0	0	0	-50,0253	-0,3348	11,9081	-75,87	75,51
925	Shell-Thin	SLU-ENVE	Max	0	0	0	-31,8654	-2,3946	13,1746	-75,87	10,92
925	Shell-Thin	SLU-ENVE	Max	0	0	0	-26,9215	-6,4559	12,3304	-112,22	10,92
925	Shell-Thin	SLU-ENVE	Max	0	0	0	-51,2127	-13,9	11,0639	-112,22	75,51
925	Shell-Thin	SLU-ENVE	Min	0	0	0	-82,2164	-2,1791	5,8018	-102,88	41,83
925	Shell-Thin	SLU-ENVE	Min	0	0	0	-62,7533	-7,5795	8,4628	-102,88	4,62
925	Shell-Thin	SLU-ENVE	Min	0	0	0	-51,9988	-12,5845	6,8107	-150,33	4,62
925	Shell-Thin	SLU-ENVE	Min	0	0	0	-81,4284	-23,2089	4,1496	-150,33	41,83
925	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,1808	0,0227	6,6077	-40,57	41,09
925	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,4861	-1,2671	7,309	-40,57	6,18
925	Shell-Thin	SLE-ENVE	Max	0	0	0	-14,7217	-3,5289	6,8334	-61,63	6,18
925	Shell-Thin	SLE-ENVE	Max	0	0	0	-27,9653	-7,6908	6,1321	-61,63	41,09
925	Shell-Thin	SLE-ENVE	Min	0	0	0	-44,5733	-0,9314	3,2328	-54,52	24,19
925	Shell-Thin	SLE-ENVE	Min	0	0	0	-33,8107	-4,0387	4,7155	-54,52	2,65
925	Shell-Thin	SLE-ENVE	Min	0	0	0	-27,8692	-6,7746	3,8095	-82,52	2,65
925	Shell-Thin	SLE-ENVE	Min	0	0	0	-44,0241	-12,5923	2,3267	-82,52	24,19
926	Shell-Thin	SLU-ENVE	Max	0	0	0	-31,566	-2,3347	14,3792	-113,77	14,23
926	Shell-Thin	SLU-ENVE	Max	0	0	0	-4,9657	1,8515	15,085	-113,77	13,8
926	Shell-Thin	SLU-ENVE	Max	0	0	0	-6,7744	-2,1212	14,8384	-94,18	13,8
926	Shell-Thin	SLU-ENVE	Max	0	0	0	-27,0185	-6,4759	14,1326	-94,18	14,23
926	Shell-Thin	SLU-ENVE	Min	0	0	0	-62,2848	-7,4858	11,1596	-161,71	4,78
926	Shell-Thin	SLU-ENVE	Min	0	0	0	-31,4297	-4,208	13,1977	-161,71	1,29
926	Shell-Thin	SLU-ENVE	Min	0	0	0	-30,2757	-7,8893	12,4915	-113,87	1,29
926	Shell-Thin	SLU-ENVE	Min	0	0	0	-52,1593	-12,6166	10,4534	-113,87	4,78
926	Shell-Thin	SLE-ENVE	Max	0	0	0	-17,3177	-1,2334	7,9812	-61,91	7,98
926	Shell-Thin	SLE-ENVE	Max	0	0	0	-2,9963	0,983	8,3766	-61,91	7,66
926	Shell-Thin	SLE-ENVE	Max	0	0	0	-4,0001	-1,1617	8,2363	-50,87	7,66
926	Shell-Thin	SLE-ENVE	Max	0	0	0	-14,7764	-3,5404	7,8408	-50,87	7,98
926	Shell-Thin	SLE-ENVE	Min	0	0	0	-33,5541	-3,9874	6,2082	-89,1	2,83
926	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,5557	-2,1623	7,3342	-89,1	0,71
926	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,9162	-4,2014	6,9476	-62,66	0,71
926	Shell-Thin	SLE-ENVE	Min	0	0	0	-27,9568	-6,7922	5,8216	-62,66	2,83
960	Shell-Thin	SLU-ENVE	Max	0	0	0	4,6479	2,5975	8,465	98,46	7,04
960	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,5578	-0,7134	8,6711	98,46	7,54

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
960	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,7516	3,3535	6,8	123,9	7,54
960	Shell-Thin	SLU-ENVE	Max	0	0	0	9,2699	9,1821	6,5939	123,9	7,04
960	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,4587	-8,2968	-1,0364	24,24	-14,54
960	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,3258	-8,8474	-1,3817	24,24	-9,51
960	Shell-Thin	SLU-ENVE	Min	0	0	0	-35,9435	-11,4681	-1,1467	28,26	-9,51
960	Shell-Thin	SLU-ENVE	Min	0	0	0	-31,365	-10,668	-0,8014	28,26	-14,54
960	Shell-Thin	SLE-ENVE	Max	0	0	0	2,6786	1,4621	4,7024	53,67	3,91
960	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,0594	-0,3466	4,8167	53,67	4,19
960	Shell-Thin	SLE-ENVE	Max	0	0	0	-4,6123	1,9142	3,7776	67,81	4,19
960	Shell-Thin	SLE-ENVE	Max	0	0	0	5,2458	5,1208	3,6633	67,81	3,91
960	Shell-Thin	SLE-ENVE	Min	0	0	0	-13,1359	-4,0725	-0,574	15,02	-8,08
960	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,5112	-4,4239	-0,7657	15,02	-5,28
960	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,5202	-5,8805	-0,6357	17,25	-5,28
960	Shell-Thin	SLE-ENVE	Min	0	0	0	-14,7498	-5,39	-0,444	17,25	-8,08
961	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,5547	-0,7127	8,6613	110,34	8,17
961	Shell-Thin	SLU-ENVE	Max	0	0	0	-25,5446	-4,286	8,4277	110,34	8,78
961	Shell-Thin	SLU-ENVE	Max	0	0	0	-29,0259	-3,0063	6,5662	138,96	8,78
961	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,7426	3,3553	6,7998	138,96	8,17
961	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,3242	-8,8471	-1,8522	27,31	-6,58
961	Shell-Thin	SLU-ENVE	Min	0	0	0	-36,7193	-9,3756	-2,2915	27,31	-1
961	Shell-Thin	SLU-ENVE	Min	0	0	0	-41,2383	-12,3035	-1,8927	32,38	-1
961	Shell-Thin	SLU-ENVE	Min	0	0	0	-35,9445	-11,4683	-1,4535	32,38	-6,58
961	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,0577	-0,3463	4,8113	60,16	4,54
961	Shell-Thin	SLE-ENVE	Max	0	0	0	-13,7708	-2,2979	4,6813	60,16	4,88
961	Shell-Thin	SLE-ENVE	Max	0	0	0	-15,7059	-1,5842	3,6474	76,07	4,88
961	Shell-Thin	SLE-ENVE	Max	0	0	0	-4,6073	1,9152	3,7773	76,07	4,54
961	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,5103	-4,4238	-1,027	17,09	-3,66
961	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,2337	-4,7737	-1,2709	17,09	-0,56
961	Shell-Thin	SLE-ENVE	Min	0	0	0	-20,7434	-6,4018	-1,0499	19,9	-0,56
961	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,5208	-5,8806	-0,806	19,9	-3,66
962	Shell-Thin	SLU-ENVE	Max	0	0	0	-25,553	-4,2877	7,7397	113,2	9,8
962	Shell-Thin	SLU-ENVE	Max	0	0	0	-39,3756	-7,9879	7,0016	113,2	10,1
962	Shell-Thin	SLU-ENVE	Max	0	0	0	-44,6954	-8,95	5,5735	145,75	10,1
962	Shell-Thin	SLU-ENVE	Max	0	0	0	-28,9844	-2,998	6,3115	145,75	9,8
962	Shell-Thin	SLU-ENVE	Min	0	0	0	-36,7249	-9,3767	-2,9451	29,58	2,34
962	Shell-Thin	SLU-ENVE	Min	0	0	0	-47,3078	-9,9267	-3,5376	29,58	6,85
962	Shell-Thin	SLU-ENVE	Min	0	0	0	-55,0152	-12,9994	-2,829	39,01	6,85
962	Shell-Thin	SLU-ENVE	Min	0	0	0	-41,2172	-12,2993	-2,2364	39,01	2,34
962	Shell-Thin	SLE-ENVE	Max	0	0	0	-13,7754	-2,2988	4,2994	61,65	5,45
962	Shell-Thin	SLE-ENVE	Max	0	0	0	-20,1717	-4,3177	3,8895	61,65	5,61
962	Shell-Thin	SLE-ENVE	Max	0	0	0	-23,1311	-4,8494	3,0952	79,71	5,61
962	Shell-Thin	SLE-ENVE	Max	0	0	0	-15,683	-1,5796	3,5052	79,71	5,45
962	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,2369	-4,7743	-1,6342	18,7	1,29
962	Shell-Thin	SLE-ENVE	Min	0	0	0	-24,6714	-5,1473	-1,9634	18,7	3,8
962	Shell-Thin	SLE-ENVE	Min	0	0	0	-28,9546	-6,8558	-1,5697	23,98	3,8
962	Shell-Thin	SLE-ENVE	Min	0	0	0	-20,7316	-6,3994	-1,2404	23,98	1,29
963	Shell-Thin	SLU-ENVE	Max	0	0	0	9,2726	9,1955	3,961	124,67	7,07
963	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,7455	3,3837	3,9492	124,67	4,99
963	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,7175	0,9289	1,6834	128,44	4,99
963	Shell-Thin	SLU-ENVE	Max	0	0	0	8,8663	5,6998	1,6952	128,44	7,07
963	Shell-Thin	SLU-ENVE	Min	0	0	0	-31,3608	-10,6469	-0,6696	28,13	2,77
963	Shell-Thin	SLU-ENVE	Min	0	0	0	-35,9357	-11,4291	-0,8632	28,13	2,68
963	Shell-Thin	SLU-ENVE	Min	0	0	0	-37,8766	-12,2534	-0,5423	30,46	2,68

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
963	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,8706	-11,5817	-0,3486	30,46	2,77
963	Shell-Thin	SLE-ENVE	Max	0	0	0	5,2473	5,1283	2,2011	68,23	3,93
963	Shell-Thin	SLE-ENVE	Max	0	0	0	-4,609	1,9308	2,1947	68,23	2,77
963	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,1484	0,5651	0,936	70,33	2,77
963	Shell-Thin	SLE-ENVE	Max	0	0	0	5,0218	3,1853	0,9424	70,33	3,93
963	Shell-Thin	SLE-ENVE	Min	0	0	0	-14,7474	-5,3782	-0,3714	17,18	1,54
963	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,5159	-5,8588	-0,479	17,18	1,48
963	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,5944	-6,3156	-0,3012	18,47	1,48
963	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,5862	-5,8969	-0,1936	18,47	1,54
964	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,7365	3,3855	3,8713	139,89	5,78
964	Shell-Thin	SLU-ENVE	Max	0	0	0	-29,0465	-3,1093	3,7409	139,89	2,97
964	Shell-Thin	SLU-ENVE	Max	0	0	0	-30,8489	-4,0862	1,5033	145,43	2,97
964	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,7084	0,9307	1,6338	145,43	5,78
964	Shell-Thin	SLU-ENVE	Min	0	0	0	-35,9367	-11,4293	-1,21	32,24	3,01
964	Shell-Thin	SLU-ENVE	Min	0	0	0	-41,2456	-12,3402	-1,4669	32,24	2,48
964	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,6693	-12,7438	-0,898	34,86	2,48
964	Shell-Thin	SLU-ENVE	Min	0	0	0	-37,8697	-12,252	-0,6411	34,86	3,01
964	Shell-Thin	SLE-ENVE	Max	0	0	0	-4,604	1,9319	2,1515	76,58	3,21
964	Shell-Thin	SLE-ENVE	Max	0	0	0	-15,7172	-1,6407	2,0792	76,58	1,64
964	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,7182	-2,1887	0,8361	79,66	1,64
964	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,1434	0,5661	0,9085	79,66	3,21
964	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,5164	-5,8589	-0,6717	19,83	1,67
964	Shell-Thin	SLE-ENVE	Min	0	0	0	-20,7476	-6,4225	-0,8146	19,83	1,37
964	Shell-Thin	SLE-ENVE	Min	0	0	0	-22,0943	-6,6439	-0,499	21,28	1,37
964	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,5905	-6,3148	-0,3562	21,28	1,67
965	Shell-Thin	SLU-ENVE	Max	0	0	0	-29,005	-3,101	3,6281	148,32	3,12
965	Shell-Thin	SLU-ENVE	Max	0	0	0	-44,7493	-9,5402	3,467	148,32	1,9
965	Shell-Thin	SLU-ENVE	Max	0	0	0	-45,9417	-9,4949	1,0797	141,04	1,9
965	Shell-Thin	SLU-ENVE	Max	0	0	0	-30,9355	-4,1036	1,2408	141,04	3,12
965	Shell-Thin	SLU-ENVE	Min	0	0	0	-41,2245	-12,336	-1,7684	39,56	2,39
965	Shell-Thin	SLU-ENVE	Min	0	0	0	-55,1121	-13,339	-2,0065	39,56	0,98
965	Shell-Thin	SLU-ENVE	Min	0	0	0	-56,2367	-13,2837	-1,396	33,64	0,98
965	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,7222	-12,7543	-1,1579	33,64	2,39
965	Shell-Thin	SLE-ENVE	Max	0	0	0	-15,6943	-1,6361	2,0153	81,12	1,73
965	Shell-Thin	SLE-ENVE	Max	0	0	0	-23,1618	-5,1737	1,925	81,12	1,03
965	Shell-Thin	SLE-ENVE	Max	0	0	0	-23,8074	-5,1563	0,6014	77,19	1,03
965	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,7657	-2,1982	0,6917	77,19	1,73
965	Shell-Thin	SLE-ENVE	Min	0	0	0	-20,7357	-6,4201	-0,9814	24,3	1,31
965	Shell-Thin	SLE-ENVE	Min	0	0	0	-29,0086	-7,0463	-1,1133	24,3	0,57
965	Shell-Thin	SLE-ENVE	Min	0	0	0	-29,6275	-7,0115	-0,776	20,88	0,57
965	Shell-Thin	SLE-ENVE	Min	0	0	0	-22,124	-6,6498	-0,6441	20,88	1,31
996	Shell-Thin	SLU-ENVE	Max	0	0	0	8,8797	5,7665	0,4132	127,34	0,42
996	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,7239	0,8971	0,4275	127,34	0,62
996	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,633	0,7181	0,036	126,48	0,62
996	Shell-Thin	SLU-ENVE	Max	0	0	0	8,8415	5,6369	0,0315	126,48	0,42
996	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,8781	-11,6194	-0,1428	30,5	-0,15
996	Shell-Thin	SLU-ENVE	Min	0	0	0	-37,89	-12,3203	-0,1383	30,5	0,18
996	Shell-Thin	SLU-ENVE	Min	0	0	0	-37,8411	-12,3782	-0,3965	30,18	0,18
996	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,8967	-11,5901	-0,4108	30,18	-0,15
996	Shell-Thin	SLE-ENVE	Max	0	0	0	5,0292	3,2223	0,23	69,71	0,24
996	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,1519	0,5476	0,2379	69,71	0,34
996	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,1021	0,4488	0,0196	69,24	0,34
996	Shell-Thin	SLE-ENVE	Max	0	0	0	5,008	3,1501	0,0171	69,24	0,24

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
996	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,5904	-5,9179	-0,0795	18,5	-0,08266
996	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,6019	-6,3529	-0,0769	18,5	0,1
996	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,5745	-6,3853	-0,2198	18,31	0,1
996	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,6008	-5,9014	-0,2276	18,31	-0,08266
997	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,7148	0,8989	0,4779	144,4	0,37
997	Shell-Thin	SLU-ENVE	Max	0	0	0	-30,853	-4,1066	0,5345	144,4	4,03
997	Shell-Thin	SLU-ENVE	Max	0	0	0	-30,7153	-5,2094	0,1311	143,86	4,03
997	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,6573	0,7133	0,0992	143,86	0,37
997	Shell-Thin	SLU-ENVE	Min	0	0	0	-37,8831	-12,319	-0,1724	34,93	0,03482
997	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,6747	-12,7707	-0,1405	34,93	2
997	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,5981	-13,4541	-0,3298	34,85	2
997	Shell-Thin	SLU-ENVE	Min	0	0	0	-37,8538	-12,3808	-0,3864	34,85	0,03482
997	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,1469	0,5486	0,2655	79,09	0,2
997	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,7205	-2,2003	0,2966	79,09	2,22
997	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,6447	-2,8066	0,0725	78,79	2,22
997	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,1154	0,4461	0,0547	78,79	0,2
997	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,598	-6,3521	-0,0957	21,32	0,01964
997	Shell-Thin	SLE-ENVE	Min	0	0	0	-22,0973	-6,6586	-0,0778	21,32	1,14
997	Shell-Thin	SLE-ENVE	Min	0	0	0	-22,0544	-7,0417	-0,183	21,27	1,14
997	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,5816	-6,3868	-0,2141	21,27	0,01964
998	Shell-Thin	SLU-ENVE	Max	0	0	0	-30,9396	-4,1239	0,2929	136,93	8,67
998	Shell-Thin	SLU-ENVE	Max	0	0	0	-45,8723	-8,7605	-0,3833	136,93	14,46
998	Shell-Thin	SLU-ENVE	Max	0	0	0	-49,0982	-11,2495	-0,0821	183,71	14,46
998	Shell-Thin	SLU-ENVE	Max	0	0	0	-30,4895	-5,1642	0,3257	183,71	8,67
998	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,7276	-12,7813	-0,3588	32,04	4,28
998	Shell-Thin	SLU-ENVE	Min	0	0	0	-56,1161	-12,8341	-0,7666	32,04	6,97
998	Shell-Thin	SLU-ENVE	Min	0	0	0	-61,6006	-14,4012	-0,8014	54,77	6,97
998	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,4605	-13,4266	-0,1253	54,77	4,28
998	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,7681	-2,2098	0,1635	74,92	4,77
998	Shell-Thin	SLE-ENVE	Max	0	0	0	-23,7678	-4,7532	-0,2083	74,92	7,95
998	Shell-Thin	SLE-ENVE	Max	0	0	0	-25,6023	-6,1217	-0,0475	100,64	7,95
998	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,5205	-2,7817	0,1811	100,64	4,77
998	Shell-Thin	SLE-ENVE	Min	0	0	0	-22,1269	-6,6646	-0,1997	19,98	2,43
998	Shell-Thin	SLE-ENVE	Min	0	0	0	-29,5602	-6,7591	-0,4284	19,98	3,97
998	Shell-Thin	SLE-ENVE	Min	0	0	0	-32,6219	-7,6373	-0,442	32,91	3,97
998	Shell-Thin	SLE-ENVE	Min	0	0	0	-21,9773	-7,0263	-0,0703	32,91	2,43
999	Shell-Thin	SLU-ENVE	Max	0	0	0	8,8397	5,6279	0,1465	127,01	-1,93
999	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,6274	0,7465	0,2428	127,01	-2,56
999	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,3498	3,068	0,4544	129,3	-2,56
999	Shell-Thin	SLU-ENVE	Max	0	0	0	9,4603	8,4353	0,3581	129,3	-1,93
999	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,8964	-11,5886	-1,253	30,02	-11,12
999	Shell-Thin	SLU-ENVE	Min	0	0	0	-37,8376	-12,3607	-1,269	30,02	-9,18
999	Shell-Thin	SLU-ENVE	Min	0	0	0	-37,3583	-11,7992	-2,239	29,98	-9,18
999	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,4161	-11,204	-2,223	29,98	-11,12
999	Shell-Thin	SLE-ENVE	Max	0	0	0	5,007	3,1451	0,0807	69,54	-1,07
999	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,099	0,4644	0,1341	69,54	-1,43
999	Shell-Thin	SLE-ENVE	Max	0	0	0	-4,9436	1,7521	0,2515	70,8	-1,43
999	Shell-Thin	SLE-ENVE	Max	0	0	0	5,3517	4,7043	0,1982	70,8	-1,07
999	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,6007	-5,9006	-0,6954	18,22	-6,18
999	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,5725	-6,3755	-0,7041	18,22	-5,09
999	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,307	-6,0625	-1,2433	18,21	-5,09
999	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,334	-5,6868	-1,2346	18,21	-6,18
1000	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,6516	0,7416	0,232	143,73	-2,44

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
1000	Shell-Thin	SLU-ENVE	Max	0	0	0	-30,7071	-5,1685	0,2971	143,73	-5,72
1000	Shell-Thin	SLU-ENVE	Max	0	0	0	-30,7476	-1,9198	0,7126	146,35	-5,72
1000	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,2999	3,078	0,6475	146,35	-2,44
1000	Shell-Thin	SLU-ENVE	Min	0	0	0	-37,8503	-12,3633	-1,3806	34,37	-8,67
1000	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,5946	-13,4368	-1,4813	34,37	-12,32
1000	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,1584	-11,8382	-2,3173	34,64	-12,32
1000	Shell-Thin	SLU-ENVE	Min	0	0	0	-37,3322	-11,794	-2,2166	34,64	-8,67
1000	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,1123	0,4617	0,1277	78,72	-1,36
1000	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,6402	-2,7841	0,1633	78,72	-3,22
1000	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,6596	-0,991	0,3944	80,16	-3,22
1000	Shell-Thin	SLE-ENVE	Max	0	0	0	-4,9161	1,7576	0,3587	80,16	-1,36
1000	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,5796	-6,3769	-0,7654	21	-4,82
1000	Shell-Thin	SLE-ENVE	Min	0	0	0	-22,0524	-7,032	-0,8205	21	-6,8
1000	Shell-Thin	SLE-ENVE	Min	0	0	0	-21,8119	-6,1376	-1,2859	21,17	-6,8
1000	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,2924	-6,0596	-1,2308	21,17	-4,82
1001	Shell-Thin	SLU-ENVE	Max	0	0	0	-30,4813	-5,1233	0,3379	185,43	-9,06
1001	Shell-Thin	SLU-ENVE	Max	0	0	0	-49,1398	-11,6894	1,076	185,43	-14,4
1001	Shell-Thin	SLU-ENVE	Max	0	0	0	-43,8171	-6,1484	1,6682	112,21	-14,4
1001	Shell-Thin	SLU-ENVE	Max	0	0	0	-31,0072	-1,9717	0,9301	112,21	-9,06
1001	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,457	-13,4093	-1,5556	55,23	-19,43
1001	Shell-Thin	SLU-ENVE	Min	0	0	0	-61,6731	-14,6848	-0,5319	55,23	-28,99
1001	Shell-Thin	SLU-ENVE	Min	0	0	0	-52,8376	-11,4424	-1,2193	18,2	-28,99
1001	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,3223	-11,871	-2,243	18,2	-19,43
1001	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,516	-2,7592	0,1857	101,59	-5,12
1001	Shell-Thin	SLE-ENVE	Max	0	0	0	-25,626	-6,3636	0,5983	101,59	-8,16
1001	Shell-Thin	SLE-ENVE	Max	0	0	0	-22,6092	-3,313	0,9277	61,31	-8,16
1001	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,8022	-1,0196	0,515	61,31	-5,12
1001	Shell-Thin	SLE-ENVE	Min	0	0	0	-21,9753	-7,0166	-0,8612	33,17	-10,72
1001	Shell-Thin	SLE-ENVE	Min	0	0	0	-32,6625	-7,7962	-0,2974	33,17	-15,96
1001	Shell-Thin	SLE-ENVE	Min	0	0	0	-27,733	-5,9801	-0,6805	12,24	-15,96
1001	Shell-Thin	SLE-ENVE	Min	0	0	0	-21,9038	-6,156	-1,2443	12,24	-10,72
1002	Shell-Thin	SLU-ENVE	Max	0	0	0	9,4565	8,4166	0,5109	130,57	-2,28
1002	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,3544	3,0451	0,7837	130,57	-1,12
1002	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,6849	3,2889	0,9411	123,87	-1,12
1002	Shell-Thin	SLU-ENVE	Max	0	0	0	9,1208	8,95	0,6683	123,87	-2,28
1002	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,4168	-11,2078	-3,3627	30,1	-4,47
1002	Shell-Thin	SLU-ENVE	Min	0	0	0	-37,3614	-11,8144	-3,3404	30,1	-3,59
1002	Shell-Thin	SLU-ENVE	Min	0	0	0	-35,9324	-11,3723	-4,6285	27,66	-3,59
1002	Shell-Thin	SLU-ENVE	Min	0	0	0	-31,4424	-10,5451	-4,6508	27,66	-4,47
1002	Shell-Thin	SLE-ENVE	Max	0	0	0	5,3496	4,6939	0,2831	71,51	-1,27
1002	Shell-Thin	SLE-ENVE	Max	0	0	0	-4,9461	1,7396	0,4347	71,51	-0,63
1002	Shell-Thin	SLE-ENVE	Max	0	0	0	-4,5764	1,8772	0,5219	67,8	-0,63
1002	Shell-Thin	SLE-ENVE	Max	0	0	0	5,163	4,9904	0,3702	67,8	-1,27
1002	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,3345	-5,6889	-1,8681	18,28	-2,48
1002	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,3087	-6,071	-1,8561	18,28	-1,99
1002	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,5139	-5,8266	-2,5717	16,91	-1,99
1002	Shell-Thin	SLE-ENVE	Min	0	0	0	-14,7932	-5,3208	-2,5837	16,91	-2,48
1003	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,3044	3,0551	1,0785	148,32	-3,54
1003	Shell-Thin	SLU-ENVE	Max	0	0	0	-30,7543	-1,9531	1,535	148,32	4,65
1003	Shell-Thin	SLU-ENVE	Max	0	0	0	-28,4924	-3,7742	1,784	137,12	4,65
1003	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,723	3,2812	1,3275	137,12	-3,54
1003	Shell-Thin	SLU-ENVE	Min	0	0	0	-37,3352	-11,8092	-3,1552	35,11	-4,77
1003	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,1642	-11,8671	-2,76	35,11	-0,25

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
1003	Shell-Thin	SLU-ENVE	Min	0	0	0	-40,9823	-12,7731	-4,0865	30,7	-0,25
1003	Shell-Thin	SLU-ENVE	Min	0	0	0	-35,9599	-11,3778	-4,4817	30,7	-4,77
1003	Shell-Thin	SLE-ENVE	Max	0	0	0	-4,9186	1,7451	0,599	81,25	-1,97
1003	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,6632	-1,0092	0,8533	81,25	2,53
1003	Shell-Thin	SLE-ENVE	Max	0	0	0	-15,4138	-2,0059	0,9912	75,07	2,53
1003	Shell-Thin	SLE-ENVE	Max	0	0	0	-4,5973	1,873	0,7368	75,07	-1,97
1003	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,2941	-6,0681	-1,7541	21,44	-2,65
1003	Shell-Thin	SLE-ENVE	Min	0	0	0	-21,8152	-6,1538	-1,5361	21,44	-0,08203
1003	Shell-Thin	SLE-ENVE	Min	0	0	0	-20,5994	-6,6652	-2,2726	18,94	-0,08203
1003	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,5294	-5,8297	-2,4906	18,94	-2,65
1004	Shell-Thin	SLU-ENVE	Max	0	0	0	-31,0138	-2,005	1,9805	114,38	8,88
1004	Shell-Thin	SLU-ENVE	Max	0	0	0	-43,812	-6,0678	1,9313	114,38	24,81
1004	Shell-Thin	SLU-ENVE	Max	0	0	0	-46,3962	-11,7644	2,2651	177,59	24,81
1004	Shell-Thin	SLU-ENVE	Max	0	0	0	-28,2266	-3,721	2,3143	177,59	8,88
1004	Shell-Thin	SLU-ENVE	Min	0	0	0	-43,328	-11,8999	-2,294	19,12	1,99
1004	Shell-Thin	SLU-ENVE	Min	0	0	0	-52,8255	-11,3883	-2,5968	19,12	9,76
1004	Shell-Thin	SLU-ENVE	Min	0	0	0	-58,0396	-14,7692	-3,8652	52,65	9,76
1004	Shell-Thin	SLU-ENVE	Min	0	0	0	-40,8181	-12,7403	-3,5624	52,65	1,99
1004	Shell-Thin	SLE-ENVE	Max	0	0	0	-16,8059	-1,0377	1,1018	62,51	4,85
1004	Shell-Thin	SLE-ENVE	Max	0	0	0	-22,6062	-3,2689	1,0724	62,51	13,6
1004	Shell-Thin	SLE-ENVE	Max	0	0	0	-24,0989	-6,3942	1,2571	97,22	13,6
1004	Shell-Thin	SLE-ENVE	Max	0	0	0	-15,2676	-1,9766	1,2864	97,22	4,85
1004	Shell-Thin	SLE-ENVE	Min	0	0	0	-21,907	-6,1722	-1,2791	12,76	1,2
1004	Shell-Thin	SLE-ENVE	Min	0	0	0	-27,7262	-5,9497	-1,4436	12,76	5,63
1004	Shell-Thin	SLE-ENVE	Min	0	0	0	-30,643	-7,849	-2,1472	31,76	5,63
1004	Shell-Thin	SLE-ENVE	Min	0	0	0	-20,5073	-6,6468	-1,9827	31,76	1,2
1005	Shell-Thin	SLU-ENVE	Max	0	0	0	9,1199	8,9454	0,7377	123,73	7,29
1005	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,6866	3,2805	1,0288	123,73	3,93
1005	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,0951	2,6203	1,1506	115,96	3,93
1005	Shell-Thin	SLU-ENVE	Max	0	0	0	7,5469	7,4454	0,8595	115,96	7,29
1005	Shell-Thin	SLU-ENVE	Min	0	0	0	-31,4431	-10,5486	-5,9391	27,75	-6,09
1005	Shell-Thin	SLU-ENVE	Min	0	0	0	-35,9338	-11,3793	-6,1327	27,75	-7,08
1005	Shell-Thin	SLU-ENVE	Min	0	0	0	-34,4575	-10,0951	-7,383	26,8	-7,08
1005	Shell-Thin	SLU-ENVE	Min	0	0	0	-30,1259	-9,5122	-7,1893	26,8	-6,09
1005	Shell-Thin	SLE-ENVE	Max	0	0	0	5,1625	4,9879	0,4084	67,72	4,05
1005	Shell-Thin	SLE-ENVE	Max	0	0	0	-4,5773	1,8725	0,5699	67,72	2,19
1005	Shell-Thin	SLE-ENVE	Max	0	0	0	-4,802	1,5035	0,6373	63,39	2,19
1005	Shell-Thin	SLE-ENVE	Max	0	0	0	4,2888	4,1543	0,4758	63,39	4,05
1005	Shell-Thin	SLE-ENVE	Min	0	0	0	-14,7936	-5,3227	-3,2992	16,95	-3,38
1005	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,5147	-5,8305	-3,4064	16,95	-3,93
1005	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,6961	-5,1159	-4,1009	16,44	-3,93
1005	Shell-Thin	SLE-ENVE	Min	0	0	0	-14,0624	-4,7469	-3,9937	16,44	-3,38
1006	Shell-Thin	SLU-ENVE	Max	0	0	0	-8,7247	3,2729	1,3066	137,14	2,58
1006	Shell-Thin	SLU-ENVE	Max	0	0	0	-28,4926	-3,7752	1,5841	137,14	-7,5
1006	Shell-Thin	SLU-ENVE	Max	0	0	0	-27,9323	-1,8984	1,7547	131,26	-7,5
1006	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,0465	2,63	1,4772	131,26	2,58
1006	Shell-Thin	SLU-ENVE	Min	0	0	0	-35,9613	-11,3848	-6,1617	30,9	-7,03
1006	Shell-Thin	SLU-ENVE	Min	0	0	0	-40,9831	-12,7773	-6,1627	30,9	-12,04
1006	Shell-Thin	SLU-ENVE	Min	0	0	0	-39,5223	-10,2287	-7,4982	31,2	-12,04
1006	Shell-Thin	SLU-ENVE	Min	0	0	0	-34,4329	-10,0902	-7,4972	31,2	-7,03
1006	Shell-Thin	SLE-ENVE	Max	0	0	0	-4,5982	1,8683	0,7238	75,08	1,43
1006	Shell-Thin	SLE-ENVE	Max	0	0	0	-15,4139	-2,0064	0,8771	75,08	-4,12
1006	Shell-Thin	SLE-ENVE	Max	0	0	0	-15,0954	-0,9789	0,9714	71,78	-4,12

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
1006	Shell-Thin	SLE-ENVE	Max	0	0	0	-4,7752	1,5088	0,8182	71,78	1,43
1006	Shell-Thin	SLE-ENVE	Min	0	0	0	-17,5301	-5,8336	-3,4219	19,06	-3,9
1006	Shell-Thin	SLE-ENVE	Min	0	0	0	-20,5998	-6,6675	-3,4209	19,06	-6,72
1006	Shell-Thin	SLE-ENVE	Min	0	0	0	-19,7924	-5,2436	-4,1625	19,26	-6,72
1006	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,6823	-5,1132	-4,1634	19,26	-3,9
1007	Shell-Thin	SLU-ENVE	Max	0	0	0	-28,2268	-3,722	1,8615	177,04	-12,96
1007	Shell-Thin	SLU-ENVE	Max	0	0	0	-46,3881	-11,6587	2,7982	177,04	-20,44
1007	Shell-Thin	SLU-ENVE	Max	0	0	0	-40,3095	-5,4152	3,0866	100,76	-20,44
1007	Shell-Thin	SLU-ENVE	Max	0	0	0	-28,1521	-1,9424	2,1499	100,76	-12,96
1007	Shell-Thin	SLU-ENVE	Min	0	0	0	-40,8189	-12,7444	-6,0479	52,68	-16,19
1007	Shell-Thin	SLU-ENVE	Min	0	0	0	-58,0225	-14,718	-4,8	52,68	-33,29
1007	Shell-Thin	SLU-ENVE	Min	0	0	0	-48,1527	-9,847	-5,9655	16,54	-33,29
1007	Shell-Thin	SLU-ENVE	Min	0	0	0	-39,6659	-10,2574	-7,2135	16,54	-16,19
1007	Shell-Thin	SLE-ENVE	Max	0	0	0	-15,2678	-1,9772	1,0305	96,91	-7,29
1007	Shell-Thin	SLE-ENVE	Max	0	0	0	-24,0944	-6,3355	1,5528	96,91	-11,56
1007	Shell-Thin	SLE-ENVE	Max	0	0	0	-20,6608	-2,9064	1,7122	54,94	-11,56
1007	Shell-Thin	SLE-ENVE	Max	0	0	0	-15,216	-1,003	1,1899	54,94	-7,29
1007	Shell-Thin	SLE-ENVE	Min	0	0	0	-20,5078	-6,6491	-3,3558	31,77	-9,04
1007	Shell-Thin	SLE-ENVE	Min	0	0	0	-30,6335	-7,8205	-2,6662	31,77	-18,31
1007	Shell-Thin	SLE-ENVE	Min	0	0	0	-25,1306	-5,0934	-3,3128	11,32	-18,31
1007	Shell-Thin	SLE-ENVE	Min	0	0	0	-19,8729	-5,2597	-4,0024	11,32	-9,04
1008	Shell-Thin	SLU-ENVE	Max	0	0	0	7,5498	7,4602	0,9806	113,84	21,06
1008	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,0897	2,6472	1,3898	113,84	15,49
1008	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,5213	-0,8655	1,5456	96,87	15,49
1008	Shell-Thin	SLU-ENVE	Max	0	0	0	4,573	2,5558	1,1364	96,87	21,06
1008	Shell-Thin	SLU-ENVE	Min	0	0	0	-30,1259	-9,5123	-8,1979	26,71	-7,77
1008	Shell-Thin	SLU-ENVE	Min	0	0	0	-34,4552	-10,0834	-8,4135	26,71	-7,63
1008	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,3092	-8,8588	-9,1384	23,85	-7,63
1008	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,5006	-8,2511	-8,9228	23,85	-7,77
1008	Shell-Thin	SLE-ENVE	Max	0	0	0	4,2905	4,1625	0,5431	62,22	11,7
1008	Shell-Thin	SLE-ENVE	Max	0	0	0	-4,799	1,5183	0,7704	62,22	8,6
1008	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,0399	-0,4313	0,8569	52,8	8,6
1008	Shell-Thin	SLE-ENVE	Max	0	0	0	2,6368	1,4381	0,6296	52,8	11,7
1008	Shell-Thin	SLE-ENVE	Min	0	0	0	-14,0624	-4,747	-4,5543	16,39	-4,32
1008	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,6947	-5,1094	-4,6743	16,39	-4,23
1008	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,5024	-4,4302	-5,0772	14,79	-4,23
1008	Shell-Thin	SLE-ENVE	Min	0	0	0	-13,1598	-4,0467	-4,9573	14,79	-4,32
1009	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,0411	2,6569	1,8067	128,43	11,25
1009	Shell-Thin	SLU-ENVE	Max	0	0	0	-27,9265	-1,8695	2,3925	128,43	10,04
1009	Shell-Thin	SLU-ENVE	Max	0	0	0	-25,3505	-5,0926	2,6736	107,92	10,04
1009	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,5422	-0,8696	2,0878	107,92	11,25
1009	Shell-Thin	SLU-ENVE	Min	0	0	0	-34,4305	-10,0785	-8,3865	30,87	-8,77
1009	Shell-Thin	SLU-ENVE	Min	0	0	0	-39,5189	-10,2116	-7,9585	30,87	-5,57
1009	Shell-Thin	SLU-ENVE	Min	0	0	0	-36,6125	-9,7947	-8,5873	26,63	-5,57
1009	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,3231	-8,8616	-9,0153	26,63	-8,77
1009	Shell-Thin	SLE-ENVE	Max	0	0	0	-4,7723	1,5236	1,002	70,21	6,25
1009	Shell-Thin	SLE-ENVE	Max	0	0	0	-15,0923	-0,9631	1,3278	70,21	5,54
1009	Shell-Thin	SLE-ENVE	Max	0	0	0	-13,6642	-2,742	1,4842	58,83	5,54
1009	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,0514	-0,4336	1,1584	58,83	6,25
1009	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,6809	-5,1066	-4,6594	19,08	-4,87
1009	Shell-Thin	SLE-ENVE	Min	0	0	0	-19,7904	-5,234	-4,4224	19,08	-3,07
1009	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,1744	-5,0087	-4,7726	16,7	-3,07
1009	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,5102	-4,4317	-5,0096	16,7	-4,87

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Table: Element Forces - Area Shells

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
1010	Shell-Thin	SLU-ENVE	Max	0	0	0	-28,1463	-1,9135	3,0005	98,76	11,26
1010	Shell-Thin	SLU-ENVE	Max	0	0	0	-40,3288	-5,656	3,2384	98,76	15,77
1010	Shell-Thin	SLU-ENVE	Max	0	0	0	-41,1581	-9,9291	3,5591	137,62	15,77
1010	Shell-Thin	SLU-ENVE	Max	0	0	0	-25,1809	-5,0586	3,3213	137,62	11,26
1010	Shell-Thin	SLU-ENVE	Min	0	0	0	-39,6624	-10,2403	-7,3123	16,63	-3,45
1010	Shell-Thin	SLU-ENVE	Min	0	0	0	-48,1914	-9,9923	-7,1139	16,63	1,66
1010	Shell-Thin	SLU-ENVE	Min	0	0	0	-50,1595	-11,4178	-7,6907	42,45	1,66
1010	Shell-Thin	SLU-ENVE	Min	0	0	0	-36,5046	-9,7731	-7,889	42,45	-3,45
1010	Shell-Thin	SLE-ENVE	Max	0	0	0	-15,2128	-0,9873	1,6657	53,84	6,18
1010	Shell-Thin	SLE-ENVE	Max	0	0	0	-20,6717	-3,0395	1,7951	53,84	8,62
1010	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,1925	-5,3384	1,9736	75,03	8,62
1010	Shell-Thin	SLE-ENVE	Max	0	0	0	-13,5713	-2,7234	1,8442	75,03	6,18
1010	Shell-Thin	SLE-ENVE	Min	0	0	0	-19,871	-5,2501	-4,0637	11,37	-1,88
1010	Shell-Thin	SLE-ENVE	Min	0	0	0	-25,1521	-5,1745	-3,9485	11,37	1,08
1010	Shell-Thin	SLE-ENVE	Min	0	0	0	-6,0243	-4,2701	-4,2701	26,07	1,08
1010	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,1139	-4,9966	-4,3852	26,07	-1,88
1011	Shell-Thin	SLU-ENVE	Max	0	0	0	4,5779	2,5804	1,2399	94,04	21,77
1011	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,5257	-0,8873	1,6736	94,04	14,64
1011	Shell-Thin	SLU-ENVE	Max	0	0	0	-10,1686	-4,1174	1,8064	77,83	14,64
1011	Shell-Thin	SLU-ENVE	Max	0	0	0	1,5042	-2,4303	1,3727	77,83	21,77
1011	Shell-Thin	SLU-ENVE	Min	0	0	0	-28,5012	-8,2543	-9,3113	24	-8,45
1011	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,3132	-8,8785	-9,5698	24	-9,18
1011	Shell-Thin	SLU-ENVE	Min	0	0	0	-30,092	-7,307	-9,5697	21,79	-9,18
1011	Shell-Thin	SLU-ENVE	Min	0	0	0	-26,6603	-6,8649	-9,3112	21,79	-8,45
1011	Shell-Thin	SLE-ENVE	Max	0	0	0	2,6395	1,4518	0,6868	51,22	12,09
1011	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,0423	-0,4433	0,9276	51,22	8,14
1011	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,3988	-2,2384	1,0011	42,21	8,14
1011	Shell-Thin	SLE-ENVE	Max	0	0	0	0,932	-1,3318	0,7603	42,21	12,09
1011	Shell-Thin	SLE-ENVE	Min	0	0	0	-13,1602	-4,0485	-5,173	14,88	-4,69
1011	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,5046	-4,4412	-5,3165	14,88	-5,1
1011	Shell-Thin	SLE-ENVE	Min	0	0	0	-14,2714	-3,568	-5,3163	13,66	-5,1
1011	Shell-Thin	SLE-ENVE	Min	0	0	0	-12,1381	-3,2769	-5,1728	13,66	-4,69
1012	Shell-Thin	SLU-ENVE	Max	0	0	0	-9,5466	-0,8915	2,1526	105,59	11,09
1012	Shell-Thin	SLU-ENVE	Max	0	0	0	-25,3604	-5,1417	2,6757	105,59	0,7
1012	Shell-Thin	SLU-ENVE	Max	0	0	0	-23,3309	-5,7719	2,8081	87,92	0,7
1012	Shell-Thin	SLU-ENVE	Max	0	0	0	-10,1671	-4,1171	2,2849	87,92	11,09
1012	Shell-Thin	SLU-ENVE	Min	0	0	0	-32,3271	-8,8813	-9,5461	27,19	-9,79
1012	Shell-Thin	SLU-ENVE	Min	0	0	0	-36,617	-9,8174	-9,2736	27,19	-12,31
1012	Shell-Thin	SLU-ENVE	Min	0	0	0	-33,9154	-7,7282	-9,3117	24,43	-12,31
1012	Shell-Thin	SLU-ENVE	Min	0	0	0	-30,0871	-7,306	-9,5841	24,43	-9,79
1012	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,0538	-0,4456	1,1936	57,53	6,16
1012	Shell-Thin	SLE-ENVE	Max	0	0	0	-13,6697	-2,7691	1,4839	57,53	0,41
1012	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,5415	-3,1256	1,5569	47,71	0,41
1012	Shell-Thin	SLE-ENVE	Max	0	0	0	-5,398	-2,2383	1,2666	47,71	6,16
1012	Shell-Thin	SLE-ENVE	Min	0	0	0	-15,5124	-4,4428	-5,3034	17,02	-5,44
1012	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,177	-5,0214	-5,1517	17,02	-6,85
1012	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,6769	-3,9456	-5,1722	15,49	-6,85
1012	Shell-Thin	SLE-ENVE	Min	0	0	0	-14,2687	-3,5675	-5,3239	15,49	-5,44
1013	Shell-Thin	SLU-ENVE	Max	0	0	0	-25,1907	-5,1078	3,1824	133,8	-6,26
1013	Shell-Thin	SLU-ENVE	Max	0	0	0	-41,1202	-9,5314	4,1783	133,8	-15,28
1013	Shell-Thin	SLU-ENVE	Max	0	0	0	-35,6664	-7,2849	4,5331	83,8	-15,28
1013	Shell-Thin	SLU-ENVE	Max	0	0	0	-23,3989	-5,7855	3,5372	83,8	-6,26
1013	Shell-Thin	SLU-ENVE	Min	0	0	0	-36,5091	-9,7958	-8,7972	42,26	-15,34



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**Table: Element Forces - Area Shells**

Area	ShellType	OutputCase	StepType	F11	F22	F12	M11	M22	M12	V13	V23
				KN/m	KN/m	KN/m	KN-m/m	KN-m/m	KN-m/m	KN/m	KN/m
1013	Shell-Thin	SLU-ENVE	Min	0	0	0	-50,094	-11,0901	-7,4513	42,26	-19,27
1013	Shell-Thin	SLU-ENVE	Min	0	0	0	-41,831	-8,7266	-7,2224	20,15	-19,27
1013	Shell-Thin	SLU-ENVE	Min	0	0	0	-33,957	-7,7395	-8,5683	20,15	-15,34
1013	Shell-Thin	SLE-ENVE	Max	0	0	0	-13,5767	-2,7505	1,7648	72,92	-3,43
1013	Shell-Thin	SLE-ENVE	Max	0	0	0	-21,1708	-5,1673	2,3201	72,92	-8,58
1013	Shell-Thin	SLE-ENVE	Max	0	0	0	-18,0991	-3,8838	2,5178	45,41	-8,58
1013	Shell-Thin	SLE-ENVE	Max	0	0	0	-12,5787	-3,1331	1,9625	45,41	-3,43
1013	Shell-Thin	SLE-ENVE	Min	0	0	0	-18,1164	-5,0093	-4,8861	25,96	-8,55
1013	Shell-Thin	SLE-ENVE	Min	0	0	0	-26,2301	-5,8413	-4,1423	25,96	-10,75
1013	Shell-Thin	SLE-ENVE	Min	0	0	0	-21,6251	-4,5227	-4,0165	13,39	-10,75
1013	Shell-Thin	SLE-ENVE	Min	0	0	0	-16,7003	-3,952	-4,7603	13,39	-8,55

**2.4. Output: schema di carico - bordo soletta**

**Table: Element Forces - Area Shells, Part 1 of 3**

**Table: Element Forces - Area Shells, Part 1 of 3**

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
1	1	Shell-Thin	928	SLU-ENVE	Combination	Max	0	0	0	0	0
1	1	Shell-Thin	1309	SLU-ENVE	Combination	Max	0	0	0	0	0
1	1	Shell-Thin	1	SLU-ENVE	Combination	Max	0	0	0	0	0
1	1	Shell-Thin	2	SLU-ENVE	Combination	Max	0	0	0	0	0
1	1	Shell-Thin	928	SLU-ENVE	Combination	Min	0	0	0	0	0
1	1	Shell-Thin	1309	SLU-ENVE	Combination	Min	0	0	0	0	0
1	1	Shell-Thin	1	SLU-ENVE	Combination	Min	0	0	0	0	0
1	1	Shell-Thin	2	SLU-ENVE	Combination	Min	0	0	0	0	0
1	1	Shell-Thin	928	SLE-ENVE	Combination	Max	0	0	0	0	0
1	1	Shell-Thin	1309	SLE-ENVE	Combination	Max	0	0	0	0	0
1	1	Shell-Thin	1	SLE-ENVE	Combination	Max	0	0	0	0	0
1	1	Shell-Thin	2	SLE-ENVE	Combination	Max	0	0	0	0	0
1	1	Shell-Thin	928	SLE-ENVE	Combination	Min	0	0	0	0	0
1	1	Shell-Thin	1309	SLE-ENVE	Combination	Min	0	0	0	0	0
1	1	Shell-Thin	1	SLE-ENVE	Combination	Min	0	0	0	0	0
1	1	Shell-Thin	2	SLE-ENVE	Combination	Min	0	0	0	0	0
2	2	Shell-Thin	2	SLU-ENVE	Combination	Max	0	0	0	0	0
2	2	Shell-Thin	1	SLU-ENVE	Combination	Max	0	0	0	0	0
2	2	Shell-Thin	1164	SLU-ENVE	Combination	Max	0	0	0	0	0
2	2	Shell-Thin	926	SLU-ENVE	Combination	Max	0	0	0	0	0
2	2	Shell-Thin	2	SLU-ENVE	Combination	Min	0	0	0	0	0
2	2	Shell-Thin	1	SLU-ENVE	Combination	Min	0	0	0	0	0
2	2	Shell-Thin	1164	SLU-ENVE	Combination	Min	0	0	0	0	0
2	2	Shell-Thin	926	SLU-ENVE	Combination	Min	0	0	0	0	0
2	2	Shell-Thin	2	SLE-ENVE	Combination	Max	0	0	0	0	0
2	2	Shell-Thin	1	SLE-ENVE	Combination	Max	0	0	0	0	0
2	2	Shell-Thin	1164	SLE-ENVE	Combination	Max	0	0	0	0	0
2	2	Shell-Thin	926	SLE-ENVE	Combination	Max	0	0	0	0	0
2	2	Shell-Thin	2	SLE-ENVE	Combination	Min	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
2	2	Shell-Thin	1	SLE-ENVE	Combination	Min	0	0	0	0	0
2	2	Shell-Thin	1164	SLE-ENVE	Combination	Min	0	0	0	0	0
2	2	Shell-Thin	926	SLE-ENVE	Combination	Min	0	0	0	0	0
3	3	Shell-Thin	1309	SLU-ENVE	Combination	Max	0	0	0	0	0
3	3	Shell-Thin	1310	SLU-ENVE	Combination	Max	0	0	0	0	0
3	3	Shell-Thin	3	SLU-ENVE	Combination	Max	0	0	0	0	0
3	3	Shell-Thin	1	SLU-ENVE	Combination	Max	0	0	0	0	0
3	3	Shell-Thin	1309	SLU-ENVE	Combination	Min	0	0	0	0	0
3	3	Shell-Thin	1310	SLU-ENVE	Combination	Min	0	0	0	0	0
3	3	Shell-Thin	3	SLU-ENVE	Combination	Min	0	0	0	0	0
3	3	Shell-Thin	1	SLU-ENVE	Combination	Min	0	0	0	0	0
3	3	Shell-Thin	1309	SLE-ENVE	Combination	Max	0	0	0	0	0
3	3	Shell-Thin	1310	SLE-ENVE	Combination	Max	0	0	0	0	0
3	3	Shell-Thin	3	SLE-ENVE	Combination	Max	0	0	0	0	0
3	3	Shell-Thin	1	SLE-ENVE	Combination	Max	0	0	0	0	0
3	3	Shell-Thin	1309	SLE-ENVE	Combination	Min	0	0	0	0	0
3	3	Shell-Thin	1310	SLE-ENVE	Combination	Min	0	0	0	0	0
3	3	Shell-Thin	3	SLE-ENVE	Combination	Min	0	0	0	0	0
3	3	Shell-Thin	1	SLE-ENVE	Combination	Min	0	0	0	0	0
4	4	Shell-Thin	1	SLU-ENVE	Combination	Max	0	0	0	0	0
4	4	Shell-Thin	3	SLU-ENVE	Combination	Max	0	0	0	0	0
4	4	Shell-Thin	1165	SLU-ENVE	Combination	Max	0	0	0	0	0
4	4	Shell-Thin	1164	SLU-ENVE	Combination	Max	0	0	0	0	0
4	4	Shell-Thin	1	SLU-ENVE	Combination	Min	0	0	0	0	0
4	4	Shell-Thin	3	SLU-ENVE	Combination	Min	0	0	0	0	0
4	4	Shell-Thin	1165	SLU-ENVE	Combination	Min	0	0	0	0	0
4	4	Shell-Thin	1164	SLU-ENVE	Combination	Min	0	0	0	0	0
4	4	Shell-Thin	1	SLE-ENVE	Combination	Max	0	0	0	0	0
4	4	Shell-Thin	3	SLE-ENVE	Combination	Max	0	0	0	0	0
4	4	Shell-Thin	1165	SLE-ENVE	Combination	Max	0	0	0	0	0
4	4	Shell-Thin	1164	SLE-ENVE	Combination	Max	0	0	0	0	0
4	4	Shell-Thin	1	SLE-ENVE	Combination	Min	0	0	0	0	0
4	4	Shell-Thin	3	SLE-ENVE	Combination	Min	0	0	0	0	0
4	4	Shell-Thin	1165	SLE-ENVE	Combination	Min	0	0	0	0	0
4	4	Shell-Thin	1164	SLE-ENVE	Combination	Min	0	0	0	0	0
18	18	Shell-Thin	1310	SLU-ENVE	Combination	Max	0	0	0	0	0
18	18	Shell-Thin	1311	SLU-ENVE	Combination	Max	0	0	0	0	0
18	18	Shell-Thin	4	SLU-ENVE	Combination	Max	0	0	0	0	0
18	18	Shell-Thin	3	SLU-ENVE	Combination	Max	0	0	0	0	0
18	18	Shell-Thin	1310	SLU-ENVE	Combination	Min	0	0	0	0	0
18	18	Shell-Thin	1311	SLU-ENVE	Combination	Min	0	0	0	0	0
18	18	Shell-Thin	4	SLU-ENVE	Combination	Min	0	0	0	0	0
18	18	Shell-Thin	3	SLU-ENVE	Combination	Min	0	0	0	0	0
18	18	Shell-Thin	1310	SLE-ENVE	Combination	Max	0	0	0	0	0
18	18	Shell-Thin	1311	SLE-ENVE	Combination	Max	0	0	0	0	0
18	18	Shell-Thin	4	SLE-ENVE	Combination	Max	0	0	0	0	0
18	18	Shell-Thin	3	SLE-ENVE	Combination	Max	0	0	0	0	0
18	18	Shell-Thin	1310	SLE-ENVE	Combination	Min	0	0	0	0	0
18	18	Shell-Thin	1311	SLE-ENVE	Combination	Min	0	0	0	0	0
18	18	Shell-Thin	4	SLE-ENVE	Combination	Min	0	0	0	0	0
18	18	Shell-Thin	3	SLE-ENVE	Combination	Min	0	0	0	0	0
19	19	Shell-Thin	3	SLU-ENVE	Combination	Max	0	0	0	0	0
19	19	Shell-Thin	4	SLU-ENVE	Combination	Max	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
19	19	Shell-Thin	1166	SLU-ENVE	Combination	Max	0	0	0	0	0
19	19	Shell-Thin	1165	SLU-ENVE	Combination	Max	0	0	0	0	0
19	19	Shell-Thin	3	SLU-ENVE	Combination	Min	0	0	0	0	0
19	19	Shell-Thin	4	SLU-ENVE	Combination	Min	0	0	0	0	0
19	19	Shell-Thin	1166	SLU-ENVE	Combination	Min	0	0	0	0	0
19	19	Shell-Thin	1165	SLU-ENVE	Combination	Min	0	0	0	0	0
19	19	Shell-Thin	3	SLE-ENVE	Combination	Max	0	0	0	0	0
19	19	Shell-Thin	4	SLE-ENVE	Combination	Max	0	0	0	0	0
19	19	Shell-Thin	1166	SLE-ENVE	Combination	Max	0	0	0	0	0
19	19	Shell-Thin	1165	SLE-ENVE	Combination	Max	0	0	0	0	0
19	19	Shell-Thin	3	SLE-ENVE	Combination	Min	0	0	0	0	0
19	19	Shell-Thin	4	SLE-ENVE	Combination	Min	0	0	0	0	0
19	19	Shell-Thin	1166	SLE-ENVE	Combination	Min	0	0	0	0	0
19	19	Shell-Thin	1165	SLE-ENVE	Combination	Min	0	0	0	0	0
20	20	Shell-Thin	1311	SLU-ENVE	Combination	Max	0	0	0	0	0
20	20	Shell-Thin	1050	SLU-ENVE	Combination	Max	0	0	0	0	0
20	20	Shell-Thin	5	SLU-ENVE	Combination	Max	0	0	0	0	0
20	20	Shell-Thin	4	SLU-ENVE	Combination	Max	0	0	0	0	0
20	20	Shell-Thin	1311	SLU-ENVE	Combination	Min	0	0	0	0	0
20	20	Shell-Thin	1050	SLU-ENVE	Combination	Min	0	0	0	0	0
20	20	Shell-Thin	5	SLU-ENVE	Combination	Min	0	0	0	0	0
20	20	Shell-Thin	4	SLU-ENVE	Combination	Min	0	0	0	0	0
20	20	Shell-Thin	1311	SLE-ENVE	Combination	Max	0	0	0	0	0
20	20	Shell-Thin	1050	SLE-ENVE	Combination	Max	0	0	0	0	0
20	20	Shell-Thin	5	SLE-ENVE	Combination	Max	0	0	0	0	0
20	20	Shell-Thin	4	SLE-ENVE	Combination	Max	0	0	0	0	0
20	20	Shell-Thin	1311	SLE-ENVE	Combination	Min	0	0	0	0	0
20	20	Shell-Thin	1050	SLE-ENVE	Combination	Min	0	0	0	0	0
20	20	Shell-Thin	5	SLE-ENVE	Combination	Min	0	0	0	0	0
20	20	Shell-Thin	4	SLE-ENVE	Combination	Min	0	0	0	0	0
26	26	Shell-Thin	934	SLU-ENVE	Combination	Max	0	0	0	0	0
26	26	Shell-Thin	1372	SLU-ENVE	Combination	Max	0	0	0	0	0
26	26	Shell-Thin	1351	SLU-ENVE	Combination	Max	0	0	0	0	0
26	26	Shell-Thin	932	SLU-ENVE	Combination	Max	0	0	0	0	0
26	26	Shell-Thin	934	SLU-ENVE	Combination	Min	0	0	0	0	0
26	26	Shell-Thin	1372	SLU-ENVE	Combination	Min	0	0	0	0	0
26	26	Shell-Thin	1351	SLU-ENVE	Combination	Min	0	0	0	0	0
26	26	Shell-Thin	932	SLU-ENVE	Combination	Min	0	0	0	0	0
26	26	Shell-Thin	934	SLE-ENVE	Combination	Max	0	0	0	0	0
26	26	Shell-Thin	1372	SLE-ENVE	Combination	Max	0	0	0	0	0
26	26	Shell-Thin	1351	SLE-ENVE	Combination	Max	0	0	0	0	0
26	26	Shell-Thin	932	SLE-ENVE	Combination	Max	0	0	0	0	0
26	26	Shell-Thin	934	SLE-ENVE	Combination	Min	0	0	0	0	0
26	26	Shell-Thin	1372	SLE-ENVE	Combination	Min	0	0	0	0	0
26	26	Shell-Thin	1351	SLE-ENVE	Combination	Min	0	0	0	0	0
26	26	Shell-Thin	932	SLE-ENVE	Combination	Min	0	0	0	0	0
27	27	Shell-Thin	932	SLU-ENVE	Combination	Max	0	0	0	0	0
27	27	Shell-Thin	1351	SLU-ENVE	Combination	Max	0	0	0	0	0
27	27	Shell-Thin	1330	SLU-ENVE	Combination	Max	0	0	0	0	0
27	27	Shell-Thin	930	SLU-ENVE	Combination	Max	0	0	0	0	0
27	27	Shell-Thin	932	SLU-ENVE	Combination	Min	0	0	0	0	0
27	27	Shell-Thin	1351	SLU-ENVE	Combination	Min	0	0	0	0	0
27	27	Shell-Thin	1330	SLU-ENVE	Combination	Min	0	0	0	0	0

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**Table: Element Forces - Area Shells, Part 1 of 3**

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
27	27	Shell-Thin	930	SLU-ENVE	Combination	Min	0	0	0	0	0
27	27	Shell-Thin	932	SLE-ENVE	Combination	Max	0	0	0	0	0
27	27	Shell-Thin	1351	SLE-ENVE	Combination	Max	0	0	0	0	0
27	27	Shell-Thin	1330	SLE-ENVE	Combination	Max	0	0	0	0	0
27	27	Shell-Thin	930	SLE-ENVE	Combination	Max	0	0	0	0	0
27	27	Shell-Thin	932	SLE-ENVE	Combination	Min	0	0	0	0	0
27	27	Shell-Thin	1351	SLE-ENVE	Combination	Min	0	0	0	0	0
27	27	Shell-Thin	1330	SLE-ENVE	Combination	Min	0	0	0	0	0
27	27	Shell-Thin	930	SLE-ENVE	Combination	Min	0	0	0	0	0
28	28	Shell-Thin	930	SLU-ENVE	Combination	Max	0	0	0	0	0
28	28	Shell-Thin	1330	SLU-ENVE	Combination	Max	0	0	0	0	0
28	28	Shell-Thin	1309	SLU-ENVE	Combination	Max	0	0	0	0	0
28	28	Shell-Thin	928	SLU-ENVE	Combination	Max	0	0	0	0	0
28	28	Shell-Thin	930	SLU-ENVE	Combination	Min	0	0	0	0	0
28	28	Shell-Thin	1330	SLU-ENVE	Combination	Min	0	0	0	0	0
28	28	Shell-Thin	1309	SLU-ENVE	Combination	Min	0	0	0	0	0
28	28	Shell-Thin	928	SLU-ENVE	Combination	Min	0	0	0	0	0
28	28	Shell-Thin	930	SLE-ENVE	Combination	Max	0	0	0	0	0
28	28	Shell-Thin	1330	SLE-ENVE	Combination	Max	0	0	0	0	0
28	28	Shell-Thin	1309	SLE-ENVE	Combination	Max	0	0	0	0	0
28	28	Shell-Thin	928	SLE-ENVE	Combination	Max	0	0	0	0	0
28	28	Shell-Thin	930	SLE-ENVE	Combination	Min	0	0	0	0	0
28	28	Shell-Thin	1330	SLE-ENVE	Combination	Min	0	0	0	0	0
28	28	Shell-Thin	1309	SLE-ENVE	Combination	Min	0	0	0	0	0
28	28	Shell-Thin	928	SLE-ENVE	Combination	Min	0	0	0	0	0
29	29	Shell-Thin	4	SLU-ENVE	Combination	Max	0	0	0	0	0
29	29	Shell-Thin	5	SLU-ENVE	Combination	Max	0	0	0	0	0
29	29	Shell-Thin	1049	SLU-ENVE	Combination	Max	0	0	0	0	0
29	29	Shell-Thin	1166	SLU-ENVE	Combination	Max	0	0	0	0	0
29	29	Shell-Thin	4	SLU-ENVE	Combination	Min	0	0	0	0	0
29	29	Shell-Thin	5	SLU-ENVE	Combination	Min	0	0	0	0	0
29	29	Shell-Thin	1049	SLU-ENVE	Combination	Min	0	0	0	0	0
29	29	Shell-Thin	1166	SLU-ENVE	Combination	Min	0	0	0	0	0
29	29	Shell-Thin	4	SLE-ENVE	Combination	Max	0	0	0	0	0
29	29	Shell-Thin	5	SLE-ENVE	Combination	Max	0	0	0	0	0
29	29	Shell-Thin	1049	SLE-ENVE	Combination	Max	0	0	0	0	0
29	29	Shell-Thin	1166	SLE-ENVE	Combination	Max	0	0	0	0	0
29	29	Shell-Thin	4	SLE-ENVE	Combination	Min	0	0	0	0	0
29	29	Shell-Thin	5	SLE-ENVE	Combination	Min	0	0	0	0	0
29	29	Shell-Thin	1049	SLE-ENVE	Combination	Min	0	0	0	0	0
29	29	Shell-Thin	1166	SLE-ENVE	Combination	Min	0	0	0	0	0
30	30	Shell-Thin	926	SLU-ENVE	Combination	Max	0	0	0	0	0
30	30	Shell-Thin	1164	SLU-ENVE	Combination	Max	0	0	0	0	0
30	30	Shell-Thin	1135	SLU-ENVE	Combination	Max	0	0	0	0	0
30	30	Shell-Thin	906	SLU-ENVE	Combination	Max	0	0	0	0	0
30	30	Shell-Thin	926	SLU-ENVE	Combination	Min	0	0	0	0	0
30	30	Shell-Thin	1164	SLU-ENVE	Combination	Min	0	0	0	0	0
30	30	Shell-Thin	1135	SLU-ENVE	Combination	Min	0	0	0	0	0
30	30	Shell-Thin	906	SLU-ENVE	Combination	Min	0	0	0	0	0
30	30	Shell-Thin	926	SLE-ENVE	Combination	Max	0	0	0	0	0
30	30	Shell-Thin	1164	SLE-ENVE	Combination	Max	0	0	0	0	0
30	30	Shell-Thin	1135	SLE-ENVE	Combination	Max	0	0	0	0	0
30	30	Shell-Thin	906	SLE-ENVE	Combination	Max	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
30	30	Shell-Thin	926	SLE-ENVE	Combination	Min	0	0	0	0	0
30	30	Shell-Thin	1164	SLE-ENVE	Combination	Min	0	0	0	0	0
30	30	Shell-Thin	1135	SLE-ENVE	Combination	Min	0	0	0	0	0
30	30	Shell-Thin	906	SLE-ENVE	Combination	Min	0	0	0	0	0
44	44	Shell-Thin	1075	SLU-ENVE	Combination	Max	0	0	0	0	0
44	44	Shell-Thin	1327	SLU-ENVE	Combination	Max	0	0	0	0	0
44	44	Shell-Thin	6	SLU-ENVE	Combination	Max	0	0	0	0	0
44	44	Shell-Thin	7	SLU-ENVE	Combination	Max	0	0	0	0	0
44	44	Shell-Thin	1075	SLU-ENVE	Combination	Min	0	0	0	0	0
44	44	Shell-Thin	1327	SLU-ENVE	Combination	Min	0	0	0	0	0
44	44	Shell-Thin	6	SLU-ENVE	Combination	Min	0	0	0	0	0
44	44	Shell-Thin	7	SLU-ENVE	Combination	Min	0	0	0	0	0
44	44	Shell-Thin	1075	SLE-ENVE	Combination	Max	0	0	0	0	0
44	44	Shell-Thin	1327	SLE-ENVE	Combination	Max	0	0	0	0	0
44	44	Shell-Thin	6	SLE-ENVE	Combination	Max	0	0	0	0	0
44	44	Shell-Thin	7	SLE-ENVE	Combination	Max	0	0	0	0	0
44	44	Shell-Thin	1075	SLE-ENVE	Combination	Min	0	0	0	0	0
44	44	Shell-Thin	1327	SLE-ENVE	Combination	Min	0	0	0	0	0
44	44	Shell-Thin	6	SLE-ENVE	Combination	Min	0	0	0	0	0
44	44	Shell-Thin	7	SLE-ENVE	Combination	Min	0	0	0	0	0
45	45	Shell-Thin	7	SLU-ENVE	Combination	Max	0	0	0	0	0
45	45	Shell-Thin	6	SLU-ENVE	Combination	Max	0	0	0	0	0
45	45	Shell-Thin	1306	SLU-ENVE	Combination	Max	0	0	0	0	0
45	45	Shell-Thin	1074	SLU-ENVE	Combination	Max	0	0	0	0	0
45	45	Shell-Thin	7	SLU-ENVE	Combination	Min	0	0	0	0	0
45	45	Shell-Thin	6	SLU-ENVE	Combination	Min	0	0	0	0	0
45	45	Shell-Thin	1306	SLU-ENVE	Combination	Min	0	0	0	0	0
45	45	Shell-Thin	1074	SLU-ENVE	Combination	Min	0	0	0	0	0
45	45	Shell-Thin	7	SLE-ENVE	Combination	Max	0	0	0	0	0
45	45	Shell-Thin	6	SLE-ENVE	Combination	Max	0	0	0	0	0
45	45	Shell-Thin	1306	SLE-ENVE	Combination	Max	0	0	0	0	0
45	45	Shell-Thin	1074	SLE-ENVE	Combination	Max	0	0	0	0	0
45	45	Shell-Thin	7	SLE-ENVE	Combination	Min	0	0	0	0	0
45	45	Shell-Thin	6	SLE-ENVE	Combination	Min	0	0	0	0	0
45	45	Shell-Thin	1306	SLE-ENVE	Combination	Min	0	0	0	0	0
45	45	Shell-Thin	1074	SLE-ENVE	Combination	Min	0	0	0	0	0
46	46	Shell-Thin	1327	SLU-ENVE	Combination	Max	0	0	0	0	0
46	46	Shell-Thin	1328	SLU-ENVE	Combination	Max	0	0	0	0	0
46	46	Shell-Thin	8	SLU-ENVE	Combination	Max	0	0	0	0	0
46	46	Shell-Thin	6	SLU-ENVE	Combination	Max	0	0	0	0	0
46	46	Shell-Thin	1327	SLU-ENVE	Combination	Min	0	0	0	0	0
46	46	Shell-Thin	1328	SLU-ENVE	Combination	Min	0	0	0	0	0
46	46	Shell-Thin	8	SLU-ENVE	Combination	Min	0	0	0	0	0
46	46	Shell-Thin	6	SLU-ENVE	Combination	Min	0	0	0	0	0
46	46	Shell-Thin	1327	SLE-ENVE	Combination	Max	0	0	0	0	0
46	46	Shell-Thin	1328	SLE-ENVE	Combination	Max	0	0	0	0	0
46	46	Shell-Thin	8	SLE-ENVE	Combination	Max	0	0	0	0	0
46	46	Shell-Thin	6	SLE-ENVE	Combination	Max	0	0	0	0	0
46	46	Shell-Thin	1327	SLE-ENVE	Combination	Min	0	0	0	0	0
46	46	Shell-Thin	1328	SLE-ENVE	Combination	Min	0	0	0	0	0
46	46	Shell-Thin	8	SLE-ENVE	Combination	Min	0	0	0	0	0
46	46	Shell-Thin	6	SLE-ENVE	Combination	Min	0	0	0	0	0
52	52	Shell-Thin	1372	SLU-ENVE	Combination	Max	0	0	0	0	0

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**Table: Element Forces - Area Shells, Part 1 of 3**

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
52	52	Shell-Thin	1373	SLU-ENVE	Combination	Max	0	0	0	0	0
52	52	Shell-Thin	1352	SLU-ENVE	Combination	Max	0	0	0	0	0
52	52	Shell-Thin	1351	SLU-ENVE	Combination	Max	0	0	0	0	0
52	52	Shell-Thin	1372	SLU-ENVE	Combination	Min	0	0	0	0	0
52	52	Shell-Thin	1373	SLU-ENVE	Combination	Min	0	0	0	0	0
52	52	Shell-Thin	1352	SLU-ENVE	Combination	Min	0	0	0	0	0
52	52	Shell-Thin	1351	SLU-ENVE	Combination	Min	0	0	0	0	0
52	52	Shell-Thin	1372	SLE-ENVE	Combination	Max	0	0	0	0	0
52	52	Shell-Thin	1373	SLE-ENVE	Combination	Max	0	0	0	0	0
52	52	Shell-Thin	1352	SLE-ENVE	Combination	Max	0	0	0	0	0
52	52	Shell-Thin	1351	SLE-ENVE	Combination	Max	0	0	0	0	0
52	52	Shell-Thin	1372	SLE-ENVE	Combination	Min	0	0	0	0	0
52	52	Shell-Thin	1373	SLE-ENVE	Combination	Min	0	0	0	0	0
52	52	Shell-Thin	1352	SLE-ENVE	Combination	Min	0	0	0	0	0
52	52	Shell-Thin	1351	SLE-ENVE	Combination	Min	0	0	0	0	0
53	53	Shell-Thin	1351	SLU-ENVE	Combination	Max	0	0	0	0	0
53	53	Shell-Thin	1352	SLU-ENVE	Combination	Max	0	0	0	0	0
53	53	Shell-Thin	1331	SLU-ENVE	Combination	Max	0	0	0	0	0
53	53	Shell-Thin	1330	SLU-ENVE	Combination	Max	0	0	0	0	0
53	53	Shell-Thin	1351	SLU-ENVE	Combination	Min	0	0	0	0	0
53	53	Shell-Thin	1352	SLU-ENVE	Combination	Min	0	0	0	0	0
53	53	Shell-Thin	1331	SLU-ENVE	Combination	Min	0	0	0	0	0
53	53	Shell-Thin	1330	SLU-ENVE	Combination	Min	0	0	0	0	0
53	53	Shell-Thin	1351	SLE-ENVE	Combination	Max	0	0	0	0	0
53	53	Shell-Thin	1352	SLE-ENVE	Combination	Max	0	0	0	0	0
53	53	Shell-Thin	1331	SLE-ENVE	Combination	Max	0	0	0	0	0
53	53	Shell-Thin	1330	SLE-ENVE	Combination	Max	0	0	0	0	0
53	53	Shell-Thin	1351	SLE-ENVE	Combination	Min	0	0	0	0	0
53	53	Shell-Thin	1352	SLE-ENVE	Combination	Min	0	0	0	0	0
53	53	Shell-Thin	1331	SLE-ENVE	Combination	Min	0	0	0	0	0
53	53	Shell-Thin	1330	SLE-ENVE	Combination	Min	0	0	0	0	0
54	54	Shell-Thin	1330	SLU-ENVE	Combination	Max	0	0	0	0	0
54	54	Shell-Thin	1331	SLU-ENVE	Combination	Max	0	0	0	0	0
54	54	Shell-Thin	1310	SLU-ENVE	Combination	Max	0	0	0	0	0
54	54	Shell-Thin	1309	SLU-ENVE	Combination	Max	0	0	0	0	0
54	54	Shell-Thin	1330	SLU-ENVE	Combination	Min	0	0	0	0	0
54	54	Shell-Thin	1331	SLU-ENVE	Combination	Min	0	0	0	0	0
54	54	Shell-Thin	1310	SLU-ENVE	Combination	Min	0	0	0	0	0
54	54	Shell-Thin	1309	SLU-ENVE	Combination	Min	0	0	0	0	0
54	54	Shell-Thin	1330	SLE-ENVE	Combination	Max	0	0	0	0	0
54	54	Shell-Thin	1331	SLE-ENVE	Combination	Max	0	0	0	0	0
54	54	Shell-Thin	1310	SLE-ENVE	Combination	Max	0	0	0	0	0
54	54	Shell-Thin	1309	SLE-ENVE	Combination	Max	0	0	0	0	0
54	54	Shell-Thin	1330	SLE-ENVE	Combination	Min	0	0	0	0	0
54	54	Shell-Thin	1331	SLE-ENVE	Combination	Min	0	0	0	0	0
54	54	Shell-Thin	1310	SLE-ENVE	Combination	Min	0	0	0	0	0
54	54	Shell-Thin	1309	SLE-ENVE	Combination	Min	0	0	0	0	0
55	55	Shell-Thin	6	SLU-ENVE	Combination	Max	0	0	0	0	0
55	55	Shell-Thin	8	SLU-ENVE	Combination	Max	0	0	0	0	0
55	55	Shell-Thin	1307	SLU-ENVE	Combination	Max	0	0	0	0	0
55	55	Shell-Thin	1306	SLU-ENVE	Combination	Max	0	0	0	0	0
55	55	Shell-Thin	6	SLU-ENVE	Combination	Min	0	0	0	0	0
55	55	Shell-Thin	8	SLU-ENVE	Combination	Min	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
55	55	Shell-Thin	1307	SLU-ENVE	Combination	Min	0	0	0	0	0
55	55	Shell-Thin	1306	SLU-ENVE	Combination	Min	0	0	0	0	0
55	55	Shell-Thin	6	SLE-ENVE	Combination	Max	0	0	0	0	0
55	55	Shell-Thin	8	SLE-ENVE	Combination	Max	0	0	0	0	0
55	55	Shell-Thin	1307	SLE-ENVE	Combination	Max	0	0	0	0	0
55	55	Shell-Thin	1306	SLE-ENVE	Combination	Max	0	0	0	0	0
55	55	Shell-Thin	6	SLE-ENVE	Combination	Min	0	0	0	0	0
55	55	Shell-Thin	8	SLE-ENVE	Combination	Min	0	0	0	0	0
55	55	Shell-Thin	1307	SLE-ENVE	Combination	Min	0	0	0	0	0
55	55	Shell-Thin	1306	SLE-ENVE	Combination	Min	0	0	0	0	0
56	56	Shell-Thin	1164	SLU-ENVE	Combination	Max	0	0	0	0	0
56	56	Shell-Thin	1165	SLU-ENVE	Combination	Max	0	0	0	0	0
56	56	Shell-Thin	1133	SLU-ENVE	Combination	Max	0	0	0	0	0
56	56	Shell-Thin	1135	SLU-ENVE	Combination	Max	0	0	0	0	0
56	56	Shell-Thin	1164	SLU-ENVE	Combination	Min	0	0	0	0	0
56	56	Shell-Thin	1165	SLU-ENVE	Combination	Min	0	0	0	0	0
56	56	Shell-Thin	1133	SLU-ENVE	Combination	Min	0	0	0	0	0
56	56	Shell-Thin	1135	SLU-ENVE	Combination	Min	0	0	0	0	0
56	56	Shell-Thin	1164	SLE-ENVE	Combination	Max	0	0	0	0	0
56	56	Shell-Thin	1165	SLE-ENVE	Combination	Max	0	0	0	0	0
56	56	Shell-Thin	1133	SLE-ENVE	Combination	Max	0	0	0	0	0
56	56	Shell-Thin	1135	SLE-ENVE	Combination	Max	0	0	0	0	0
56	56	Shell-Thin	1164	SLE-ENVE	Combination	Min	0	0	0	0	0
56	56	Shell-Thin	1165	SLE-ENVE	Combination	Min	0	0	0	0	0
56	56	Shell-Thin	1133	SLE-ENVE	Combination	Min	0	0	0	0	0
56	56	Shell-Thin	1135	SLE-ENVE	Combination	Min	0	0	0	0	0
70	70	Shell-Thin	1328	SLU-ENVE	Combination	Max	0	0	0	0	0
70	70	Shell-Thin	1329	SLU-ENVE	Combination	Max	0	0	0	0	0
70	70	Shell-Thin	9	SLU-ENVE	Combination	Max	0	0	0	0	0
70	70	Shell-Thin	8	SLU-ENVE	Combination	Max	0	0	0	0	0
70	70	Shell-Thin	1328	SLU-ENVE	Combination	Min	0	0	0	0	0
70	70	Shell-Thin	1329	SLU-ENVE	Combination	Min	0	0	0	0	0
70	70	Shell-Thin	9	SLU-ENVE	Combination	Min	0	0	0	0	0
70	70	Shell-Thin	8	SLU-ENVE	Combination	Min	0	0	0	0	0
70	70	Shell-Thin	1328	SLE-ENVE	Combination	Max	0	0	0	0	0
70	70	Shell-Thin	1329	SLE-ENVE	Combination	Max	0	0	0	0	0
70	70	Shell-Thin	9	SLE-ENVE	Combination	Max	0	0	0	0	0
70	70	Shell-Thin	8	SLE-ENVE	Combination	Max	0	0	0	0	0
70	70	Shell-Thin	1328	SLE-ENVE	Combination	Min	0	0	0	0	0
70	70	Shell-Thin	1329	SLE-ENVE	Combination	Min	0	0	0	0	0
70	70	Shell-Thin	9	SLE-ENVE	Combination	Min	0	0	0	0	0
70	70	Shell-Thin	8	SLE-ENVE	Combination	Min	0	0	0	0	0
71	71	Shell-Thin	8	SLU-ENVE	Combination	Max	0	0	0	0	0
71	71	Shell-Thin	9	SLU-ENVE	Combination	Max	0	0	0	0	0
71	71	Shell-Thin	1308	SLU-ENVE	Combination	Max	0	0	0	0	0
71	71	Shell-Thin	1307	SLU-ENVE	Combination	Max	0	0	0	0	0
71	71	Shell-Thin	8	SLU-ENVE	Combination	Min	0	0	0	0	0
71	71	Shell-Thin	9	SLU-ENVE	Combination	Min	0	0	0	0	0
71	71	Shell-Thin	1308	SLU-ENVE	Combination	Min	0	0	0	0	0
71	71	Shell-Thin	1307	SLU-ENVE	Combination	Min	0	0	0	0	0
71	71	Shell-Thin	8	SLE-ENVE	Combination	Max	0	0	0	0	0
71	71	Shell-Thin	9	SLE-ENVE	Combination	Max	0	0	0	0	0
71	71	Shell-Thin	1308	SLE-ENVE	Combination	Max	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
71	71	Shell-Thin	1307	SLE-ENVE	Combination	Max	0	0	0	0	0
71	71	Shell-Thin	8	SLE-ENVE	Combination	Min	0	0	0	0	0
71	71	Shell-Thin	9	SLE-ENVE	Combination	Min	0	0	0	0	0
71	71	Shell-Thin	1308	SLE-ENVE	Combination	Min	0	0	0	0	0
71	71	Shell-Thin	1307	SLE-ENVE	Combination	Min	0	0	0	0	0
72	72	Shell-Thin	1329	SLU-ENVE	Combination	Max	0	0	0	0	0
72	72	Shell-Thin	929	SLU-ENVE	Combination	Max	0	0	0	0	0
72	72	Shell-Thin	10	SLU-ENVE	Combination	Max	0	0	0	0	0
72	72	Shell-Thin	9	SLU-ENVE	Combination	Max	0	0	0	0	0
72	72	Shell-Thin	1329	SLU-ENVE	Combination	Min	0	0	0	0	0
72	72	Shell-Thin	929	SLU-ENVE	Combination	Min	0	0	0	0	0
72	72	Shell-Thin	10	SLU-ENVE	Combination	Min	0	0	0	0	0
72	72	Shell-Thin	9	SLU-ENVE	Combination	Min	0	0	0	0	0
72	72	Shell-Thin	1329	SLE-ENVE	Combination	Max	0	0	0	0	0
72	72	Shell-Thin	929	SLE-ENVE	Combination	Max	0	0	0	0	0
72	72	Shell-Thin	10	SLE-ENVE	Combination	Max	0	0	0	0	0
72	72	Shell-Thin	9	SLE-ENVE	Combination	Max	0	0	0	0	0
72	72	Shell-Thin	1329	SLE-ENVE	Combination	Min	0	0	0	0	0
72	72	Shell-Thin	929	SLE-ENVE	Combination	Min	0	0	0	0	0
72	72	Shell-Thin	10	SLE-ENVE	Combination	Min	0	0	0	0	0
72	72	Shell-Thin	9	SLE-ENVE	Combination	Min	0	0	0	0	0
78	78	Shell-Thin	1373	SLU-ENVE	Combination	Max	0	0	0	0	0
78	78	Shell-Thin	1374	SLU-ENVE	Combination	Max	0	0	0	0	0
78	78	Shell-Thin	1353	SLU-ENVE	Combination	Max	0	0	0	0	0
78	78	Shell-Thin	1352	SLU-ENVE	Combination	Max	0	0	0	0	0
78	78	Shell-Thin	1373	SLU-ENVE	Combination	Min	0	0	0	0	0
78	78	Shell-Thin	1374	SLU-ENVE	Combination	Min	0	0	0	0	0
78	78	Shell-Thin	1353	SLU-ENVE	Combination	Min	0	0	0	0	0
78	78	Shell-Thin	1352	SLU-ENVE	Combination	Min	0	0	0	0	0
78	78	Shell-Thin	1373	SLE-ENVE	Combination	Max	0	0	0	0	0
78	78	Shell-Thin	1374	SLE-ENVE	Combination	Max	0	0	0	0	0
78	78	Shell-Thin	1353	SLE-ENVE	Combination	Max	0	0	0	0	0
78	78	Shell-Thin	1352	SLE-ENVE	Combination	Max	0	0	0	0	0
78	78	Shell-Thin	1373	SLE-ENVE	Combination	Min	0	0	0	0	0
78	78	Shell-Thin	1374	SLE-ENVE	Combination	Min	0	0	0	0	0
78	78	Shell-Thin	1353	SLE-ENVE	Combination	Min	0	0	0	0	0
78	78	Shell-Thin	1352	SLE-ENVE	Combination	Min	0	0	0	0	0
79	79	Shell-Thin	1352	SLU-ENVE	Combination	Max	0	0	0	0	0
79	79	Shell-Thin	1353	SLU-ENVE	Combination	Max	0	0	0	0	0
79	79	Shell-Thin	1332	SLU-ENVE	Combination	Max	0	0	0	0	0
79	79	Shell-Thin	1331	SLU-ENVE	Combination	Max	0	0	0	0	0
79	79	Shell-Thin	1352	SLU-ENVE	Combination	Min	0	0	0	0	0
79	79	Shell-Thin	1353	SLU-ENVE	Combination	Min	0	0	0	0	0
79	79	Shell-Thin	1332	SLU-ENVE	Combination	Min	0	0	0	0	0
79	79	Shell-Thin	1331	SLU-ENVE	Combination	Min	0	0	0	0	0
79	79	Shell-Thin	1352	SLE-ENVE	Combination	Max	0	0	0	0	0
79	79	Shell-Thin	1353	SLE-ENVE	Combination	Max	0	0	0	0	0
79	79	Shell-Thin	1332	SLE-ENVE	Combination	Max	0	0	0	0	0
79	79	Shell-Thin	1331	SLE-ENVE	Combination	Max	0	0	0	0	0
79	79	Shell-Thin	1352	SLE-ENVE	Combination	Min	0	0	0	0	0
79	79	Shell-Thin	1353	SLE-ENVE	Combination	Min	0	0	0	0	0
79	79	Shell-Thin	1332	SLE-ENVE	Combination	Min	0	0	0	0	0
79	79	Shell-Thin	1331	SLE-ENVE	Combination	Min	0	0	0	0	0



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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
80	80	Shell-Thin	1331	SLU-ENVE	Combination	Max	0	0	0	0	0
80	80	Shell-Thin	1332	SLU-ENVE	Combination	Max	0	0	0	0	0
80	80	Shell-Thin	1311	SLU-ENVE	Combination	Max	0	0	0	0	0
80	80	Shell-Thin	1310	SLU-ENVE	Combination	Max	0	0	0	0	0
80	80	Shell-Thin	1331	SLU-ENVE	Combination	Min	0	0	0	0	0
80	80	Shell-Thin	1332	SLU-ENVE	Combination	Min	0	0	0	0	0
80	80	Shell-Thin	1311	SLU-ENVE	Combination	Min	0	0	0	0	0
80	80	Shell-Thin	1310	SLU-ENVE	Combination	Min	0	0	0	0	0
80	80	Shell-Thin	1331	SLE-ENVE	Combination	Max	0	0	0	0	0
80	80	Shell-Thin	1332	SLE-ENVE	Combination	Max	0	0	0	0	0
80	80	Shell-Thin	1311	SLE-ENVE	Combination	Max	0	0	0	0	0
80	80	Shell-Thin	1310	SLE-ENVE	Combination	Max	0	0	0	0	0
80	80	Shell-Thin	1331	SLE-ENVE	Combination	Min	0	0	0	0	0
80	80	Shell-Thin	1332	SLE-ENVE	Combination	Min	0	0	0	0	0
80	80	Shell-Thin	1311	SLE-ENVE	Combination	Min	0	0	0	0	0
80	80	Shell-Thin	1310	SLE-ENVE	Combination	Min	0	0	0	0	0
81	81	Shell-Thin	9	SLU-ENVE	Combination	Max	0	0	0	0	0
81	81	Shell-Thin	10	SLU-ENVE	Combination	Max	0	0	0	0	0
81	81	Shell-Thin	927	SLU-ENVE	Combination	Max	0	0	0	0	0
81	81	Shell-Thin	1308	SLU-ENVE	Combination	Max	0	0	0	0	0
81	81	Shell-Thin	9	SLU-ENVE	Combination	Min	0	0	0	0	0
81	81	Shell-Thin	10	SLU-ENVE	Combination	Min	0	0	0	0	0
81	81	Shell-Thin	927	SLU-ENVE	Combination	Min	0	0	0	0	0
81	81	Shell-Thin	1308	SLU-ENVE	Combination	Min	0	0	0	0	0
81	81	Shell-Thin	9	SLE-ENVE	Combination	Max	0	0	0	0	0
81	81	Shell-Thin	10	SLE-ENVE	Combination	Max	0	0	0	0	0
81	81	Shell-Thin	927	SLE-ENVE	Combination	Max	0	0	0	0	0
81	81	Shell-Thin	1308	SLE-ENVE	Combination	Max	0	0	0	0	0
81	81	Shell-Thin	9	SLE-ENVE	Combination	Min	0	0	0	0	0
81	81	Shell-Thin	10	SLE-ENVE	Combination	Min	0	0	0	0	0
81	81	Shell-Thin	927	SLE-ENVE	Combination	Min	0	0	0	0	0
81	81	Shell-Thin	1308	SLE-ENVE	Combination	Min	0	0	0	0	0
82	82	Shell-Thin	1165	SLU-ENVE	Combination	Max	0	0	0	0	0
82	82	Shell-Thin	1166	SLU-ENVE	Combination	Max	0	0	0	0	0
82	82	Shell-Thin	1131	SLU-ENVE	Combination	Max	0	0	0	0	0
82	82	Shell-Thin	1133	SLU-ENVE	Combination	Max	0	0	0	0	0
82	82	Shell-Thin	1165	SLU-ENVE	Combination	Min	0	0	0	0	0
82	82	Shell-Thin	1166	SLU-ENVE	Combination	Min	0	0	0	0	0
82	82	Shell-Thin	1131	SLU-ENVE	Combination	Min	0	0	0	0	0
82	82	Shell-Thin	1133	SLU-ENVE	Combination	Min	0	0	0	0	0
82	82	Shell-Thin	1165	SLE-ENVE	Combination	Max	0	0	0	0	0
82	82	Shell-Thin	1166	SLE-ENVE	Combination	Max	0	0	0	0	0
82	82	Shell-Thin	1131	SLE-ENVE	Combination	Max	0	0	0	0	0
82	82	Shell-Thin	1133	SLE-ENVE	Combination	Max	0	0	0	0	0
82	82	Shell-Thin	1165	SLE-ENVE	Combination	Min	0	0	0	0	0
82	82	Shell-Thin	1166	SLE-ENVE	Combination	Min	0	0	0	0	0
82	82	Shell-Thin	1131	SLE-ENVE	Combination	Min	0	0	0	0	0
82	82	Shell-Thin	1133	SLE-ENVE	Combination	Min	0	0	0	0	0
96	96	Shell-Thin	1050	SLU-ENVE	Combination	Max	0	0	0	0	0
96	96	Shell-Thin	975	SLU-ENVE	Combination	Max	0	0	0	0	0
96	96	Shell-Thin	11	SLU-ENVE	Combination	Max	0	0	0	0	0
96	96	Shell-Thin	5	SLU-ENVE	Combination	Max	0	0	0	0	0
96	96	Shell-Thin	1050	SLU-ENVE	Combination	Min	0	0	0	0	0

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**Table: Element Forces - Area Shells, Part 1 of 3**

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
96	96	Shell-Thin	975	SLU-ENVE	Combination	Min	0	0	0	0	0
96	96	Shell-Thin	11	SLU-ENVE	Combination	Min	0	0	0	0	0
96	96	Shell-Thin	5	SLU-ENVE	Combination	Min	0	0	0	0	0
96	96	Shell-Thin	1050	SLE-ENVE	Combination	Max	0	0	0	0	0
96	96	Shell-Thin	975	SLE-ENVE	Combination	Max	0	0	0	0	0
96	96	Shell-Thin	11	SLE-ENVE	Combination	Max	0	0	0	0	0
96	96	Shell-Thin	5	SLE-ENVE	Combination	Max	0	0	0	0	0
96	96	Shell-Thin	1050	SLE-ENVE	Combination	Min	0	0	0	0	0
96	96	Shell-Thin	975	SLE-ENVE	Combination	Min	0	0	0	0	0
96	96	Shell-Thin	11	SLE-ENVE	Combination	Min	0	0	0	0	0
96	96	Shell-Thin	5	SLE-ENVE	Combination	Min	0	0	0	0	0
97	97	Shell-Thin	5	SLU-ENVE	Combination	Max	0	0	0	0	0
97	97	Shell-Thin	11	SLU-ENVE	Combination	Max	0	0	0	0	0
97	97	Shell-Thin	974	SLU-ENVE	Combination	Max	0	0	0	0	0
97	97	Shell-Thin	1049	SLU-ENVE	Combination	Max	0	0	0	0	0
97	97	Shell-Thin	5	SLU-ENVE	Combination	Min	0	0	0	0	0
97	97	Shell-Thin	11	SLU-ENVE	Combination	Min	0	0	0	0	0
97	97	Shell-Thin	974	SLU-ENVE	Combination	Min	0	0	0	0	0
97	97	Shell-Thin	1049	SLU-ENVE	Combination	Min	0	0	0	0	0
97	97	Shell-Thin	5	SLE-ENVE	Combination	Max	0	0	0	0	0
97	97	Shell-Thin	11	SLE-ENVE	Combination	Max	0	0	0	0	0
97	97	Shell-Thin	974	SLE-ENVE	Combination	Max	0	0	0	0	0
97	97	Shell-Thin	1049	SLE-ENVE	Combination	Max	0	0	0	0	0
97	97	Shell-Thin	5	SLE-ENVE	Combination	Min	0	0	0	0	0
97	97	Shell-Thin	11	SLE-ENVE	Combination	Min	0	0	0	0	0
97	97	Shell-Thin	974	SLE-ENVE	Combination	Min	0	0	0	0	0
97	97	Shell-Thin	1049	SLE-ENVE	Combination	Min	0	0	0	0	0
98	98	Shell-Thin	975	SLU-ENVE	Combination	Max	0	0	0	0	0
98	98	Shell-Thin	1312	SLU-ENVE	Combination	Max	0	0	0	0	0
98	98	Shell-Thin	12	SLU-ENVE	Combination	Max	0	0	0	0	0
98	98	Shell-Thin	11	SLU-ENVE	Combination	Max	0	0	0	0	0
98	98	Shell-Thin	975	SLU-ENVE	Combination	Min	0	0	0	0	0
98	98	Shell-Thin	1312	SLU-ENVE	Combination	Min	0	0	0	0	0
98	98	Shell-Thin	12	SLU-ENVE	Combination	Min	0	0	0	0	0
98	98	Shell-Thin	11	SLU-ENVE	Combination	Min	0	0	0	0	0
98	98	Shell-Thin	975	SLE-ENVE	Combination	Max	0	0	0	0	0
98	98	Shell-Thin	1312	SLE-ENVE	Combination	Max	0	0	0	0	0
98	98	Shell-Thin	12	SLE-ENVE	Combination	Max	0	0	0	0	0
98	98	Shell-Thin	11	SLE-ENVE	Combination	Max	0	0	0	0	0
98	98	Shell-Thin	975	SLE-ENVE	Combination	Min	0	0	0	0	0
98	98	Shell-Thin	1312	SLE-ENVE	Combination	Min	0	0	0	0	0
98	98	Shell-Thin	12	SLE-ENVE	Combination	Min	0	0	0	0	0
98	98	Shell-Thin	11	SLE-ENVE	Combination	Min	0	0	0	0	0
104	104	Shell-Thin	1374	SLU-ENVE	Combination	Max	0	0	0	0	0
104	104	Shell-Thin	1053	SLU-ENVE	Combination	Max	0	0	0	0	0
104	104	Shell-Thin	1052	SLU-ENVE	Combination	Max	0	0	0	0	0
104	104	Shell-Thin	1353	SLU-ENVE	Combination	Max	0	0	0	0	0
104	104	Shell-Thin	1374	SLU-ENVE	Combination	Min	0	0	0	0	0
104	104	Shell-Thin	1053	SLU-ENVE	Combination	Min	0	0	0	0	0
104	104	Shell-Thin	1052	SLU-ENVE	Combination	Min	0	0	0	0	0
104	104	Shell-Thin	1353	SLU-ENVE	Combination	Min	0	0	0	0	0
104	104	Shell-Thin	1374	SLE-ENVE	Combination	Max	0	0	0	0	0
104	104	Shell-Thin	1053	SLE-ENVE	Combination	Max	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
104	104	Shell-Thin	1052	SLE-ENVE	Combination	Max	0	0	0	0	0
104	104	Shell-Thin	1353	SLE-ENVE	Combination	Max	0	0	0	0	0
104	104	Shell-Thin	1374	SLE-ENVE	Combination	Min	0	0	0	0	0
104	104	Shell-Thin	1053	SLE-ENVE	Combination	Min	0	0	0	0	0
104	104	Shell-Thin	1052	SLE-ENVE	Combination	Min	0	0	0	0	0
104	104	Shell-Thin	1353	SLE-ENVE	Combination	Min	0	0	0	0	0
105	105	Shell-Thin	1353	SLU-ENVE	Combination	Max	0	0	0	0	0
105	105	Shell-Thin	1052	SLU-ENVE	Combination	Max	0	0	0	0	0
105	105	Shell-Thin	1051	SLU-ENVE	Combination	Max	0	0	0	0	0
105	105	Shell-Thin	1332	SLU-ENVE	Combination	Max	0	0	0	0	0
105	105	Shell-Thin	1353	SLU-ENVE	Combination	Min	0	0	0	0	0
105	105	Shell-Thin	1052	SLU-ENVE	Combination	Min	0	0	0	0	0
105	105	Shell-Thin	1051	SLU-ENVE	Combination	Min	0	0	0	0	0
105	105	Shell-Thin	1332	SLU-ENVE	Combination	Min	0	0	0	0	0
105	105	Shell-Thin	1353	SLE-ENVE	Combination	Max	0	0	0	0	0
105	105	Shell-Thin	1052	SLE-ENVE	Combination	Max	0	0	0	0	0
105	105	Shell-Thin	1051	SLE-ENVE	Combination	Max	0	0	0	0	0
105	105	Shell-Thin	1332	SLE-ENVE	Combination	Max	0	0	0	0	0
105	105	Shell-Thin	1353	SLE-ENVE	Combination	Min	0	0	0	0	0
105	105	Shell-Thin	1052	SLE-ENVE	Combination	Min	0	0	0	0	0
105	105	Shell-Thin	1051	SLE-ENVE	Combination	Min	0	0	0	0	0
105	105	Shell-Thin	1332	SLE-ENVE	Combination	Min	0	0	0	0	0
106	106	Shell-Thin	1332	SLU-ENVE	Combination	Max	0	0	0	0	0
106	106	Shell-Thin	1051	SLU-ENVE	Combination	Max	0	0	0	0	0
106	106	Shell-Thin	1050	SLU-ENVE	Combination	Max	0	0	0	0	0
106	106	Shell-Thin	1311	SLU-ENVE	Combination	Max	0	0	0	0	0
106	106	Shell-Thin	1332	SLU-ENVE	Combination	Min	0	0	0	0	0
106	106	Shell-Thin	1051	SLU-ENVE	Combination	Min	0	0	0	0	0
106	106	Shell-Thin	1050	SLU-ENVE	Combination	Min	0	0	0	0	0
106	106	Shell-Thin	1311	SLU-ENVE	Combination	Min	0	0	0	0	0
106	106	Shell-Thin	1332	SLE-ENVE	Combination	Max	0	0	0	0	0
106	106	Shell-Thin	1051	SLE-ENVE	Combination	Max	0	0	0	0	0
106	106	Shell-Thin	1050	SLE-ENVE	Combination	Max	0	0	0	0	0
106	106	Shell-Thin	1311	SLE-ENVE	Combination	Max	0	0	0	0	0
106	106	Shell-Thin	1332	SLE-ENVE	Combination	Min	0	0	0	0	0
106	106	Shell-Thin	1051	SLE-ENVE	Combination	Min	0	0	0	0	0
106	106	Shell-Thin	1050	SLE-ENVE	Combination	Min	0	0	0	0	0
106	106	Shell-Thin	1311	SLE-ENVE	Combination	Min	0	0	0	0	0
107	107	Shell-Thin	11	SLU-ENVE	Combination	Max	0	0	0	0	0
107	107	Shell-Thin	12	SLU-ENVE	Combination	Max	0	0	0	0	0
107	107	Shell-Thin	1167	SLU-ENVE	Combination	Max	0	0	0	0	0
107	107	Shell-Thin	974	SLU-ENVE	Combination	Max	0	0	0	0	0
107	107	Shell-Thin	11	SLU-ENVE	Combination	Min	0	0	0	0	0
107	107	Shell-Thin	12	SLU-ENVE	Combination	Min	0	0	0	0	0
107	107	Shell-Thin	1167	SLU-ENVE	Combination	Min	0	0	0	0	0
107	107	Shell-Thin	974	SLU-ENVE	Combination	Min	0	0	0	0	0
107	107	Shell-Thin	11	SLE-ENVE	Combination	Max	0	0	0	0	0
107	107	Shell-Thin	12	SLE-ENVE	Combination	Max	0	0	0	0	0
107	107	Shell-Thin	1167	SLE-ENVE	Combination	Max	0	0	0	0	0
107	107	Shell-Thin	974	SLE-ENVE	Combination	Max	0	0	0	0	0
107	107	Shell-Thin	11	SLE-ENVE	Combination	Min	0	0	0	0	0
107	107	Shell-Thin	12	SLE-ENVE	Combination	Min	0	0	0	0	0
107	107	Shell-Thin	1167	SLE-ENVE	Combination	Min	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
107	107	Shell-Thin	974	SLE-ENVE	Combination	Min	0	0	0	0	0
108	108	Shell-Thin	1166	SLU-ENVE	Combination	Max	0	0	0	0	0
108	108	Shell-Thin	1049	SLU-ENVE	Combination	Max	0	0	0	0	0
108	108	Shell-Thin	908	SLU-ENVE	Combination	Max	0	0	0	0	0
108	108	Shell-Thin	1131	SLU-ENVE	Combination	Max	0	0	0	0	0
108	108	Shell-Thin	1166	SLU-ENVE	Combination	Min	0	0	0	0	0
108	108	Shell-Thin	1049	SLU-ENVE	Combination	Min	0	0	0	0	0
108	108	Shell-Thin	908	SLU-ENVE	Combination	Min	0	0	0	0	0
108	108	Shell-Thin	1131	SLU-ENVE	Combination	Min	0	0	0	0	0
108	108	Shell-Thin	1166	SLE-ENVE	Combination	Max	0	0	0	0	0
108	108	Shell-Thin	1049	SLE-ENVE	Combination	Max	0	0	0	0	0
108	108	Shell-Thin	908	SLE-ENVE	Combination	Max	0	0	0	0	0
108	108	Shell-Thin	1131	SLE-ENVE	Combination	Max	0	0	0	0	0
108	108	Shell-Thin	1166	SLE-ENVE	Combination	Min	0	0	0	0	0
108	108	Shell-Thin	1049	SLE-ENVE	Combination	Min	0	0	0	0	0
108	108	Shell-Thin	908	SLE-ENVE	Combination	Min	0	0	0	0	0
108	108	Shell-Thin	1131	SLE-ENVE	Combination	Min	0	0	0	0	0
122	122	Shell-Thin	1312	SLU-ENVE	Combination	Max	0	0	0	0	0
122	122	Shell-Thin	1313	SLU-ENVE	Combination	Max	0	0	0	0	0
122	122	Shell-Thin	13	SLU-ENVE	Combination	Max	0	0	0	0	0
122	122	Shell-Thin	12	SLU-ENVE	Combination	Max	0	0	0	0	0
122	122	Shell-Thin	1312	SLU-ENVE	Combination	Min	0	0	0	0	0
122	122	Shell-Thin	1313	SLU-ENVE	Combination	Min	0	0	0	0	0
122	122	Shell-Thin	13	SLU-ENVE	Combination	Min	0	0	0	0	0
122	122	Shell-Thin	12	SLU-ENVE	Combination	Min	0	0	0	0	0
122	122	Shell-Thin	1312	SLE-ENVE	Combination	Max	0	0	0	0	0
122	122	Shell-Thin	1313	SLE-ENVE	Combination	Max	0	0	0	0	0
122	122	Shell-Thin	13	SLE-ENVE	Combination	Max	0	0	0	0	0
122	122	Shell-Thin	12	SLE-ENVE	Combination	Max	0	0	0	0	0
122	122	Shell-Thin	1312	SLE-ENVE	Combination	Min	0	0	0	0	0
122	122	Shell-Thin	1313	SLE-ENVE	Combination	Min	0	0	0	0	0
122	122	Shell-Thin	13	SLE-ENVE	Combination	Min	0	0	0	0	0
122	122	Shell-Thin	12	SLE-ENVE	Combination	Min	0	0	0	0	0
123	123	Shell-Thin	12	SLU-ENVE	Combination	Max	0	0	0	0	0
123	123	Shell-Thin	13	SLU-ENVE	Combination	Max	0	0	0	0	0
123	123	Shell-Thin	1168	SLU-ENVE	Combination	Max	0	0	0	0	0
123	123	Shell-Thin	1167	SLU-ENVE	Combination	Max	0	0	0	0	0
123	123	Shell-Thin	12	SLU-ENVE	Combination	Min	0	0	0	0	0
123	123	Shell-Thin	13	SLU-ENVE	Combination	Min	0	0	0	0	0
123	123	Shell-Thin	1168	SLU-ENVE	Combination	Min	0	0	0	0	0
123	123	Shell-Thin	1167	SLU-ENVE	Combination	Min	0	0	0	0	0
123	123	Shell-Thin	12	SLE-ENVE	Combination	Max	0	0	0	0	0
123	123	Shell-Thin	13	SLE-ENVE	Combination	Max	0	0	0	0	0
123	123	Shell-Thin	1168	SLE-ENVE	Combination	Max	0	0	0	0	0
123	123	Shell-Thin	1167	SLE-ENVE	Combination	Max	0	0	0	0	0
123	123	Shell-Thin	12	SLE-ENVE	Combination	Min	0	0	0	0	0
123	123	Shell-Thin	13	SLE-ENVE	Combination	Min	0	0	0	0	0
123	123	Shell-Thin	1168	SLE-ENVE	Combination	Min	0	0	0	0	0
123	123	Shell-Thin	1167	SLE-ENVE	Combination	Min	0	0	0	0	0
124	124	Shell-Thin	1313	SLU-ENVE	Combination	Max	0	0	0	0	0
124	124	Shell-Thin	1314	SLU-ENVE	Combination	Max	0	0	0	0	0
124	124	Shell-Thin	14	SLU-ENVE	Combination	Max	0	0	0	0	0
124	124	Shell-Thin	13	SLU-ENVE	Combination	Max	0	0	0	0	0

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**Table: Element Forces - Area Shells, Part 1 of 3**

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
124	124	Shell-Thin	1313	SLU-ENVE	Combination	Min	0	0	0	0	0
124	124	Shell-Thin	1314	SLU-ENVE	Combination	Min	0	0	0	0	0
124	124	Shell-Thin	14	SLU-ENVE	Combination	Min	0	0	0	0	0
124	124	Shell-Thin	13	SLU-ENVE	Combination	Min	0	0	0	0	0
124	124	Shell-Thin	1313	SLE-ENVE	Combination	Max	0	0	0	0	0
124	124	Shell-Thin	1314	SLE-ENVE	Combination	Max	0	0	0	0	0
124	124	Shell-Thin	14	SLE-ENVE	Combination	Max	0	0	0	0	0
124	124	Shell-Thin	13	SLE-ENVE	Combination	Max	0	0	0	0	0
124	124	Shell-Thin	1313	SLE-ENVE	Combination	Min	0	0	0	0	0
124	124	Shell-Thin	1314	SLE-ENVE	Combination	Min	0	0	0	0	0
124	124	Shell-Thin	14	SLE-ENVE	Combination	Min	0	0	0	0	0
124	124	Shell-Thin	13	SLE-ENVE	Combination	Min	0	0	0	0	0
130	130	Shell-Thin	1078	SLU-ENVE	Combination	Max	0	0	0	0	0
130	130	Shell-Thin	1390	SLU-ENVE	Combination	Max	0	0	0	0	0
130	130	Shell-Thin	1369	SLU-ENVE	Combination	Max	0	0	0	0	0
130	130	Shell-Thin	1077	SLU-ENVE	Combination	Max	0	0	0	0	0
130	130	Shell-Thin	1078	SLU-ENVE	Combination	Min	0	0	0	0	0
130	130	Shell-Thin	1390	SLU-ENVE	Combination	Min	0	0	0	0	0
130	130	Shell-Thin	1369	SLU-ENVE	Combination	Min	0	0	0	0	0
130	130	Shell-Thin	1077	SLU-ENVE	Combination	Min	0	0	0	0	0
130	130	Shell-Thin	1078	SLE-ENVE	Combination	Max	0	0	0	0	0
130	130	Shell-Thin	1390	SLE-ENVE	Combination	Max	0	0	0	0	0
130	130	Shell-Thin	1369	SLE-ENVE	Combination	Max	0	0	0	0	0
130	130	Shell-Thin	1077	SLE-ENVE	Combination	Max	0	0	0	0	0
130	130	Shell-Thin	1078	SLE-ENVE	Combination	Min	0	0	0	0	0
130	130	Shell-Thin	1390	SLE-ENVE	Combination	Min	0	0	0	0	0
130	130	Shell-Thin	1369	SLE-ENVE	Combination	Min	0	0	0	0	0
130	130	Shell-Thin	1077	SLE-ENVE	Combination	Min	0	0	0	0	0
131	131	Shell-Thin	1077	SLU-ENVE	Combination	Max	0	0	0	0	0
131	131	Shell-Thin	1369	SLU-ENVE	Combination	Max	0	0	0	0	0
131	131	Shell-Thin	1348	SLU-ENVE	Combination	Max	0	0	0	0	0
131	131	Shell-Thin	1076	SLU-ENVE	Combination	Max	0	0	0	0	0
131	131	Shell-Thin	1077	SLU-ENVE	Combination	Min	0	0	0	0	0
131	131	Shell-Thin	1369	SLU-ENVE	Combination	Min	0	0	0	0	0
131	131	Shell-Thin	1348	SLU-ENVE	Combination	Min	0	0	0	0	0
131	131	Shell-Thin	1076	SLU-ENVE	Combination	Min	0	0	0	0	0
131	131	Shell-Thin	1077	SLE-ENVE	Combination	Max	0	0	0	0	0
131	131	Shell-Thin	1369	SLE-ENVE	Combination	Max	0	0	0	0	0
131	131	Shell-Thin	1348	SLE-ENVE	Combination	Max	0	0	0	0	0
131	131	Shell-Thin	1076	SLE-ENVE	Combination	Max	0	0	0	0	0
131	131	Shell-Thin	1077	SLE-ENVE	Combination	Min	0	0	0	0	0
131	131	Shell-Thin	1369	SLE-ENVE	Combination	Min	0	0	0	0	0
131	131	Shell-Thin	1348	SLE-ENVE	Combination	Min	0	0	0	0	0
131	131	Shell-Thin	1076	SLE-ENVE	Combination	Min	0	0	0	0	0
132	132	Shell-Thin	1076	SLU-ENVE	Combination	Max	0	0	0	0	0
132	132	Shell-Thin	1348	SLU-ENVE	Combination	Max	0	0	0	0	0
132	132	Shell-Thin	1327	SLU-ENVE	Combination	Max	0	0	0	0	0
132	132	Shell-Thin	1075	SLU-ENVE	Combination	Max	0	0	0	0	0
132	132	Shell-Thin	1076	SLU-ENVE	Combination	Min	0	0	0	0	0
132	132	Shell-Thin	1348	SLU-ENVE	Combination	Min	0	0	0	0	0
132	132	Shell-Thin	1327	SLU-ENVE	Combination	Min	0	0	0	0	0
132	132	Shell-Thin	1075	SLU-ENVE	Combination	Min	0	0	0	0	0
132	132	Shell-Thin	1076	SLE-ENVE	Combination	Max	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
132	132	Shell-Thin	1348	SLE-ENVE	Combination	Max	0	0	0	0	0
132	132	Shell-Thin	1327	SLE-ENVE	Combination	Max	0	0	0	0	0
132	132	Shell-Thin	1075	SLE-ENVE	Combination	Max	0	0	0	0	0
132	132	Shell-Thin	1076	SLE-ENVE	Combination	Min	0	0	0	0	0
132	132	Shell-Thin	1348	SLE-ENVE	Combination	Min	0	0	0	0	0
132	132	Shell-Thin	1327	SLE-ENVE	Combination	Min	0	0	0	0	0
132	132	Shell-Thin	1075	SLE-ENVE	Combination	Min	0	0	0	0	0
133	133	Shell-Thin	13	SLU-ENVE	Combination	Max	0	0	0	0	0
133	133	Shell-Thin	14	SLU-ENVE	Combination	Max	0	0	0	0	0
133	133	Shell-Thin	1169	SLU-ENVE	Combination	Max	0	0	0	0	0
133	133	Shell-Thin	1168	SLU-ENVE	Combination	Max	0	0	0	0	0
133	133	Shell-Thin	13	SLU-ENVE	Combination	Min	0	0	0	0	0
133	133	Shell-Thin	14	SLU-ENVE	Combination	Min	0	0	0	0	0
133	133	Shell-Thin	1169	SLU-ENVE	Combination	Min	0	0	0	0	0
133	133	Shell-Thin	1168	SLU-ENVE	Combination	Min	0	0	0	0	0
133	133	Shell-Thin	13	SLE-ENVE	Combination	Max	0	0	0	0	0
133	133	Shell-Thin	14	SLE-ENVE	Combination	Max	0	0	0	0	0
133	133	Shell-Thin	1169	SLE-ENVE	Combination	Max	0	0	0	0	0
133	133	Shell-Thin	1168	SLE-ENVE	Combination	Max	0	0	0	0	0
133	133	Shell-Thin	13	SLE-ENVE	Combination	Min	0	0	0	0	0
133	133	Shell-Thin	14	SLE-ENVE	Combination	Min	0	0	0	0	0
133	133	Shell-Thin	1169	SLE-ENVE	Combination	Min	0	0	0	0	0
133	133	Shell-Thin	1168	SLE-ENVE	Combination	Min	0	0	0	0	0
134	134	Shell-Thin	1074	SLU-ENVE	Combination	Max	0	0	0	0	0
134	134	Shell-Thin	1306	SLU-ENVE	Combination	Max	0	0	0	0	0
134	134	Shell-Thin	1141	SLU-ENVE	Combination	Max	0	0	0	0	0
134	134	Shell-Thin	910	SLU-ENVE	Combination	Max	0	0	0	0	0
134	134	Shell-Thin	1074	SLU-ENVE	Combination	Min	0	0	0	0	0
134	134	Shell-Thin	1306	SLU-ENVE	Combination	Min	0	0	0	0	0
134	134	Shell-Thin	1141	SLU-ENVE	Combination	Min	0	0	0	0	0
134	134	Shell-Thin	910	SLU-ENVE	Combination	Min	0	0	0	0	0
134	134	Shell-Thin	1074	SLE-ENVE	Combination	Max	0	0	0	0	0
134	134	Shell-Thin	1306	SLE-ENVE	Combination	Max	0	0	0	0	0
134	134	Shell-Thin	1141	SLE-ENVE	Combination	Max	0	0	0	0	0
134	134	Shell-Thin	910	SLE-ENVE	Combination	Max	0	0	0	0	0
134	134	Shell-Thin	1074	SLE-ENVE	Combination	Min	0	0	0	0	0
134	134	Shell-Thin	1306	SLE-ENVE	Combination	Min	0	0	0	0	0
134	134	Shell-Thin	1141	SLE-ENVE	Combination	Min	0	0	0	0	0
134	134	Shell-Thin	910	SLE-ENVE	Combination	Min	0	0	0	0	0
148	148	Shell-Thin	1314	SLU-ENVE	Combination	Max	0	0	0	0	0
148	148	Shell-Thin	1315	SLU-ENVE	Combination	Max	0	0	0	0	0
148	148	Shell-Thin	15	SLU-ENVE	Combination	Max	0	0	0	0	0
148	148	Shell-Thin	14	SLU-ENVE	Combination	Max	0	0	0	0	0
148	148	Shell-Thin	1314	SLU-ENVE	Combination	Min	0	0	0	0	0
148	148	Shell-Thin	1315	SLU-ENVE	Combination	Min	0	0	0	0	0
148	148	Shell-Thin	15	SLU-ENVE	Combination	Min	0	0	0	0	0
148	148	Shell-Thin	14	SLU-ENVE	Combination	Min	0	0	0	0	0
148	148	Shell-Thin	1314	SLE-ENVE	Combination	Max	0	0	0	0	0
148	148	Shell-Thin	1315	SLE-ENVE	Combination	Max	0	0	0	0	0
148	148	Shell-Thin	15	SLE-ENVE	Combination	Max	0	0	0	0	0
148	148	Shell-Thin	14	SLE-ENVE	Combination	Max	0	0	0	0	0
148	148	Shell-Thin	1314	SLE-ENVE	Combination	Min	0	0	0	0	0
148	148	Shell-Thin	1315	SLE-ENVE	Combination	Min	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
148	148	Shell-Thin	15	SLE-ENVE	Combination	Min	0	0	0	0	0
148	148	Shell-Thin	14	SLE-ENVE	Combination	Min	0	0	0	0	0
149	149	Shell-Thin	14	SLU-ENVE	Combination	Max	0	0	0	0	0
149	149	Shell-Thin	15	SLU-ENVE	Combination	Max	0	0	0	0	0
149	149	Shell-Thin	1170	SLU-ENVE	Combination	Max	0	0	0	0	0
149	149	Shell-Thin	1169	SLU-ENVE	Combination	Max	0	0	0	0	0
149	149	Shell-Thin	14	SLU-ENVE	Combination	Min	0	0	0	0	0
149	149	Shell-Thin	15	SLU-ENVE	Combination	Min	0	0	0	0	0
149	149	Shell-Thin	1170	SLU-ENVE	Combination	Min	0	0	0	0	0
149	149	Shell-Thin	1169	SLU-ENVE	Combination	Min	0	0	0	0	0
149	149	Shell-Thin	14	SLE-ENVE	Combination	Max	0	0	0	0	0
149	149	Shell-Thin	15	SLE-ENVE	Combination	Max	0	0	0	0	0
149	149	Shell-Thin	1170	SLE-ENVE	Combination	Max	0	0	0	0	0
149	149	Shell-Thin	1169	SLE-ENVE	Combination	Max	0	0	0	0	0
149	149	Shell-Thin	14	SLE-ENVE	Combination	Min	0	0	0	0	0
149	149	Shell-Thin	15	SLE-ENVE	Combination	Min	0	0	0	0	0
149	149	Shell-Thin	1170	SLE-ENVE	Combination	Min	0	0	0	0	0
149	149	Shell-Thin	1169	SLE-ENVE	Combination	Min	0	0	0	0	0
150	150	Shell-Thin	1315	SLU-ENVE	Combination	Max	0	0	0	0	0
150	150	Shell-Thin	1316	SLU-ENVE	Combination	Max	0	0	0	0	0
150	150	Shell-Thin	16	SLU-ENVE	Combination	Max	0	0	0	0	0
150	150	Shell-Thin	15	SLU-ENVE	Combination	Max	0	0	0	0	0
150	150	Shell-Thin	1315	SLU-ENVE	Combination	Min	0	0	0	0	0
150	150	Shell-Thin	1316	SLU-ENVE	Combination	Min	0	0	0	0	0
150	150	Shell-Thin	16	SLU-ENVE	Combination	Min	0	0	0	0	0
150	150	Shell-Thin	15	SLU-ENVE	Combination	Min	0	0	0	0	0
150	150	Shell-Thin	1315	SLE-ENVE	Combination	Max	0	0	0	0	0
150	150	Shell-Thin	1316	SLE-ENVE	Combination	Max	0	0	0	0	0
150	150	Shell-Thin	16	SLE-ENVE	Combination	Max	0	0	0	0	0
150	150	Shell-Thin	15	SLE-ENVE	Combination	Max	0	0	0	0	0
150	150	Shell-Thin	1315	SLE-ENVE	Combination	Min	0	0	0	0	0
150	150	Shell-Thin	1316	SLE-ENVE	Combination	Min	0	0	0	0	0
150	150	Shell-Thin	16	SLE-ENVE	Combination	Min	0	0	0	0	0
150	150	Shell-Thin	15	SLE-ENVE	Combination	Min	0	0	0	0	0
156	156	Shell-Thin	1390	SLU-ENVE	Combination	Max	0	0	0	0	0
156	156	Shell-Thin	1391	SLU-ENVE	Combination	Max	0	0	0	0	0
156	156	Shell-Thin	1370	SLU-ENVE	Combination	Max	0	0	0	0	0
156	156	Shell-Thin	1369	SLU-ENVE	Combination	Max	0	0	0	0	0
156	156	Shell-Thin	1390	SLU-ENVE	Combination	Min	0	0	0	0	0
156	156	Shell-Thin	1391	SLU-ENVE	Combination	Min	0	0	0	0	0
156	156	Shell-Thin	1370	SLU-ENVE	Combination	Min	0	0	0	0	0
156	156	Shell-Thin	1369	SLU-ENVE	Combination	Min	0	0	0	0	0
156	156	Shell-Thin	1390	SLE-ENVE	Combination	Max	0	0	0	0	0
156	156	Shell-Thin	1391	SLE-ENVE	Combination	Max	0	0	0	0	0
156	156	Shell-Thin	1370	SLE-ENVE	Combination	Max	0	0	0	0	0
156	156	Shell-Thin	1369	SLE-ENVE	Combination	Max	0	0	0	0	0
156	156	Shell-Thin	1390	SLE-ENVE	Combination	Min	0	0	0	0	0
156	156	Shell-Thin	1391	SLE-ENVE	Combination	Min	0	0	0	0	0
156	156	Shell-Thin	1370	SLE-ENVE	Combination	Min	0	0	0	0	0
156	156	Shell-Thin	1369	SLE-ENVE	Combination	Min	0	0	0	0	0
157	157	Shell-Thin	1369	SLU-ENVE	Combination	Max	0	0	0	0	0
157	157	Shell-Thin	1370	SLU-ENVE	Combination	Max	0	0	0	0	0
157	157	Shell-Thin	1349	SLU-ENVE	Combination	Max	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
157	157	Shell-Thin	1348	SLU-ENVE	Combination	Max	0	0	0	0	0
157	157	Shell-Thin	1369	SLU-ENVE	Combination	Min	0	0	0	0	0
157	157	Shell-Thin	1370	SLU-ENVE	Combination	Min	0	0	0	0	0
157	157	Shell-Thin	1349	SLU-ENVE	Combination	Min	0	0	0	0	0
157	157	Shell-Thin	1348	SLU-ENVE	Combination	Min	0	0	0	0	0
157	157	Shell-Thin	1369	SLE-ENVE	Combination	Max	0	0	0	0	0
157	157	Shell-Thin	1370	SLE-ENVE	Combination	Max	0	0	0	0	0
157	157	Shell-Thin	1349	SLE-ENVE	Combination	Max	0	0	0	0	0
157	157	Shell-Thin	1348	SLE-ENVE	Combination	Max	0	0	0	0	0
157	157	Shell-Thin	1369	SLE-ENVE	Combination	Min	0	0	0	0	0
157	157	Shell-Thin	1370	SLE-ENVE	Combination	Min	0	0	0	0	0
157	157	Shell-Thin	1349	SLE-ENVE	Combination	Min	0	0	0	0	0
157	157	Shell-Thin	1348	SLE-ENVE	Combination	Min	0	0	0	0	0
158	158	Shell-Thin	1348	SLU-ENVE	Combination	Max	0	0	0	0	0
158	158	Shell-Thin	1349	SLU-ENVE	Combination	Max	0	0	0	0	0
158	158	Shell-Thin	1328	SLU-ENVE	Combination	Max	0	0	0	0	0
158	158	Shell-Thin	1327	SLU-ENVE	Combination	Max	0	0	0	0	0
158	158	Shell-Thin	1348	SLU-ENVE	Combination	Min	0	0	0	0	0
158	158	Shell-Thin	1349	SLU-ENVE	Combination	Min	0	0	0	0	0
158	158	Shell-Thin	1328	SLU-ENVE	Combination	Min	0	0	0	0	0
158	158	Shell-Thin	1327	SLU-ENVE	Combination	Min	0	0	0	0	0
158	158	Shell-Thin	1348	SLE-ENVE	Combination	Max	0	0	0	0	0
158	158	Shell-Thin	1349	SLE-ENVE	Combination	Max	0	0	0	0	0
158	158	Shell-Thin	1328	SLE-ENVE	Combination	Max	0	0	0	0	0
158	158	Shell-Thin	1327	SLE-ENVE	Combination	Max	0	0	0	0	0
158	158	Shell-Thin	1348	SLE-ENVE	Combination	Min	0	0	0	0	0
158	158	Shell-Thin	1349	SLE-ENVE	Combination	Min	0	0	0	0	0
158	158	Shell-Thin	1328	SLE-ENVE	Combination	Min	0	0	0	0	0
158	158	Shell-Thin	1327	SLE-ENVE	Combination	Min	0	0	0	0	0
159	159	Shell-Thin	15	SLU-ENVE	Combination	Max	0	0	0	0	0
159	159	Shell-Thin	16	SLU-ENVE	Combination	Max	0	0	0	0	0
159	159	Shell-Thin	1171	SLU-ENVE	Combination	Max	0	0	0	0	0
159	159	Shell-Thin	1170	SLU-ENVE	Combination	Max	0	0	0	0	0
159	159	Shell-Thin	15	SLU-ENVE	Combination	Min	0	0	0	0	0
159	159	Shell-Thin	16	SLU-ENVE	Combination	Min	0	0	0	0	0
159	159	Shell-Thin	1171	SLU-ENVE	Combination	Min	0	0	0	0	0
159	159	Shell-Thin	1170	SLU-ENVE	Combination	Min	0	0	0	0	0
159	159	Shell-Thin	15	SLE-ENVE	Combination	Max	0	0	0	0	0
159	159	Shell-Thin	16	SLE-ENVE	Combination	Max	0	0	0	0	0
159	159	Shell-Thin	1171	SLE-ENVE	Combination	Max	0	0	0	0	0
159	159	Shell-Thin	1170	SLE-ENVE	Combination	Max	0	0	0	0	0
159	159	Shell-Thin	15	SLE-ENVE	Combination	Min	0	0	0	0	0
159	159	Shell-Thin	16	SLE-ENVE	Combination	Min	0	0	0	0	0
159	159	Shell-Thin	1171	SLE-ENVE	Combination	Min	0	0	0	0	0
159	159	Shell-Thin	1170	SLE-ENVE	Combination	Min	0	0	0	0	0
160	160	Shell-Thin	1306	SLU-ENVE	Combination	Max	0	0	0	0	0
160	160	Shell-Thin	1307	SLU-ENVE	Combination	Max	0	0	0	0	0
160	160	Shell-Thin	1139	SLU-ENVE	Combination	Max	0	0	0	0	0
160	160	Shell-Thin	1141	SLU-ENVE	Combination	Max	0	0	0	0	0
160	160	Shell-Thin	1306	SLU-ENVE	Combination	Min	0	0	0	0	0
160	160	Shell-Thin	1307	SLU-ENVE	Combination	Min	0	0	0	0	0
160	160	Shell-Thin	1139	SLU-ENVE	Combination	Min	0	0	0	0	0
160	160	Shell-Thin	1141	SLU-ENVE	Combination	Min	0	0	0	0	0



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**Table: Element Forces - Area Shells, Part 1 of 3**

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
160	160	Shell-Thin	1306	SLE-ENVE	Combination	Max	0	0	0	0	0
160	160	Shell-Thin	1307	SLE-ENVE	Combination	Max	0	0	0	0	0
160	160	Shell-Thin	1139	SLE-ENVE	Combination	Max	0	0	0	0	0
160	160	Shell-Thin	1141	SLE-ENVE	Combination	Max	0	0	0	0	0
160	160	Shell-Thin	1306	SLE-ENVE	Combination	Min	0	0	0	0	0
160	160	Shell-Thin	1307	SLE-ENVE	Combination	Min	0	0	0	0	0
160	160	Shell-Thin	1139	SLE-ENVE	Combination	Min	0	0	0	0	0
160	160	Shell-Thin	1141	SLE-ENVE	Combination	Min	0	0	0	0	0
174	174	Shell-Thin	1316	SLU-ENVE	Combination	Max	0	0	0	0	0
174	174	Shell-Thin	1317	SLU-ENVE	Combination	Max	0	0	0	0	0
174	174	Shell-Thin	17	SLU-ENVE	Combination	Max	0	0	0	0	0
174	174	Shell-Thin	16	SLU-ENVE	Combination	Max	0	0	0	0	0
174	174	Shell-Thin	1316	SLU-ENVE	Combination	Min	0	0	0	0	0
174	174	Shell-Thin	1317	SLU-ENVE	Combination	Min	0	0	0	0	0
174	174	Shell-Thin	17	SLU-ENVE	Combination	Min	0	0	0	0	0
174	174	Shell-Thin	16	SLU-ENVE	Combination	Min	0	0	0	0	0
174	174	Shell-Thin	1316	SLE-ENVE	Combination	Max	0	0	0	0	0
174	174	Shell-Thin	1317	SLE-ENVE	Combination	Max	0	0	0	0	0
174	174	Shell-Thin	17	SLE-ENVE	Combination	Max	0	0	0	0	0
174	174	Shell-Thin	16	SLE-ENVE	Combination	Max	0	0	0	0	0
174	174	Shell-Thin	1316	SLE-ENVE	Combination	Min	0	0	0	0	0
174	174	Shell-Thin	1317	SLE-ENVE	Combination	Min	0	0	0	0	0
174	174	Shell-Thin	17	SLE-ENVE	Combination	Min	0	0	0	0	0
174	174	Shell-Thin	16	SLE-ENVE	Combination	Min	0	0	0	0	0
175	175	Shell-Thin	16	SLU-ENVE	Combination	Max	0	0	0	0	0
175	175	Shell-Thin	17	SLU-ENVE	Combination	Max	0	0	0	0	0
175	175	Shell-Thin	1172	SLU-ENVE	Combination	Max	0	0	0	0	0
175	175	Shell-Thin	1171	SLU-ENVE	Combination	Max	0	0	0	0	0
175	175	Shell-Thin	16	SLU-ENVE	Combination	Min	0	0	0	0	0
175	175	Shell-Thin	17	SLU-ENVE	Combination	Min	0	0	0	0	0
175	175	Shell-Thin	1172	SLU-ENVE	Combination	Min	0	0	0	0	0
175	175	Shell-Thin	1171	SLU-ENVE	Combination	Min	0	0	0	0	0
175	175	Shell-Thin	16	SLE-ENVE	Combination	Max	0	0	0	0	0
175	175	Shell-Thin	17	SLE-ENVE	Combination	Max	0	0	0	0	0
175	175	Shell-Thin	1172	SLE-ENVE	Combination	Max	0	0	0	0	0
175	175	Shell-Thin	1171	SLE-ENVE	Combination	Max	0	0	0	0	0
175	175	Shell-Thin	16	SLE-ENVE	Combination	Min	0	0	0	0	0
175	175	Shell-Thin	17	SLE-ENVE	Combination	Min	0	0	0	0	0
175	175	Shell-Thin	1172	SLE-ENVE	Combination	Min	0	0	0	0	0
175	175	Shell-Thin	1171	SLE-ENVE	Combination	Min	0	0	0	0	0
176	176	Shell-Thin	1318	SLU-ENVE	Combination	Max	0	0	0	0	0
176	176	Shell-Thin	1000	SLU-ENVE	Combination	Max	0	0	0	0	0
176	176	Shell-Thin	18	SLU-ENVE	Combination	Max	0	0	0	0	0
176	176	Shell-Thin	19	SLU-ENVE	Combination	Max	0	0	0	0	0
176	176	Shell-Thin	1318	SLU-ENVE	Combination	Min	0	0	0	0	0
176	176	Shell-Thin	1000	SLU-ENVE	Combination	Min	0	0	0	0	0
176	176	Shell-Thin	18	SLU-ENVE	Combination	Min	0	0	0	0	0
176	176	Shell-Thin	19	SLU-ENVE	Combination	Min	0	0	0	0	0
176	176	Shell-Thin	1318	SLE-ENVE	Combination	Max	0	0	0	0	0
176	176	Shell-Thin	1000	SLE-ENVE	Combination	Max	0	0	0	0	0
176	176	Shell-Thin	18	SLE-ENVE	Combination	Max	0	0	0	0	0
176	176	Shell-Thin	19	SLE-ENVE	Combination	Max	0	0	0	0	0
176	176	Shell-Thin	1318	SLE-ENVE	Combination	Min	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
176	176	Shell-Thin	1000	SLE-ENVE	Combination	Min	0	0	0	0	0
176	176	Shell-Thin	18	SLE-ENVE	Combination	Min	0	0	0	0	0
176	176	Shell-Thin	19	SLE-ENVE	Combination	Min	0	0	0	0	0
182	182	Shell-Thin	1391	SLU-ENVE	Combination	Max	0	0	0	0	0
182	182	Shell-Thin	1392	SLU-ENVE	Combination	Max	0	0	0	0	0
182	182	Shell-Thin	1371	SLU-ENVE	Combination	Max	0	0	0	0	0
182	182	Shell-Thin	1370	SLU-ENVE	Combination	Max	0	0	0	0	0
182	182	Shell-Thin	1391	SLU-ENVE	Combination	Min	0	0	0	0	0
182	182	Shell-Thin	1392	SLU-ENVE	Combination	Min	0	0	0	0	0
182	182	Shell-Thin	1371	SLU-ENVE	Combination	Min	0	0	0	0	0
182	182	Shell-Thin	1370	SLU-ENVE	Combination	Min	0	0	0	0	0
182	182	Shell-Thin	1391	SLE-ENVE	Combination	Max	0	0	0	0	0
182	182	Shell-Thin	1392	SLE-ENVE	Combination	Max	0	0	0	0	0
182	182	Shell-Thin	1371	SLE-ENVE	Combination	Max	0	0	0	0	0
182	182	Shell-Thin	1370	SLE-ENVE	Combination	Max	0	0	0	0	0
182	182	Shell-Thin	1391	SLE-ENVE	Combination	Min	0	0	0	0	0
182	182	Shell-Thin	1392	SLE-ENVE	Combination	Min	0	0	0	0	0
182	182	Shell-Thin	1371	SLE-ENVE	Combination	Min	0	0	0	0	0
182	182	Shell-Thin	1370	SLE-ENVE	Combination	Min	0	0	0	0	0
183	183	Shell-Thin	1370	SLU-ENVE	Combination	Max	0	0	0	0	0
183	183	Shell-Thin	1371	SLU-ENVE	Combination	Max	0	0	0	0	0
183	183	Shell-Thin	1350	SLU-ENVE	Combination	Max	0	0	0	0	0
183	183	Shell-Thin	1349	SLU-ENVE	Combination	Max	0	0	0	0	0
183	183	Shell-Thin	1370	SLU-ENVE	Combination	Min	0	0	0	0	0
183	183	Shell-Thin	1371	SLU-ENVE	Combination	Min	0	0	0	0	0
183	183	Shell-Thin	1350	SLU-ENVE	Combination	Min	0	0	0	0	0
183	183	Shell-Thin	1349	SLU-ENVE	Combination	Min	0	0	0	0	0
183	183	Shell-Thin	1370	SLE-ENVE	Combination	Max	0	0	0	0	0
183	183	Shell-Thin	1371	SLE-ENVE	Combination	Max	0	0	0	0	0
183	183	Shell-Thin	1350	SLE-ENVE	Combination	Max	0	0	0	0	0
183	183	Shell-Thin	1349	SLE-ENVE	Combination	Max	0	0	0	0	0
183	183	Shell-Thin	1370	SLE-ENVE	Combination	Min	0	0	0	0	0
183	183	Shell-Thin	1371	SLE-ENVE	Combination	Min	0	0	0	0	0
183	183	Shell-Thin	1350	SLE-ENVE	Combination	Min	0	0	0	0	0
183	183	Shell-Thin	1349	SLE-ENVE	Combination	Min	0	0	0	0	0
184	184	Shell-Thin	1349	SLU-ENVE	Combination	Max	0	0	0	0	0
184	184	Shell-Thin	1350	SLU-ENVE	Combination	Max	0	0	0	0	0
184	184	Shell-Thin	1329	SLU-ENVE	Combination	Max	0	0	0	0	0
184	184	Shell-Thin	1328	SLU-ENVE	Combination	Max	0	0	0	0	0
184	184	Shell-Thin	1349	SLU-ENVE	Combination	Min	0	0	0	0	0
184	184	Shell-Thin	1350	SLU-ENVE	Combination	Min	0	0	0	0	0
184	184	Shell-Thin	1329	SLU-ENVE	Combination	Min	0	0	0	0	0
184	184	Shell-Thin	1328	SLU-ENVE	Combination	Min	0	0	0	0	0
184	184	Shell-Thin	1349	SLE-ENVE	Combination	Max	0	0	0	0	0
184	184	Shell-Thin	1350	SLE-ENVE	Combination	Max	0	0	0	0	0
184	184	Shell-Thin	1329	SLE-ENVE	Combination	Max	0	0	0	0	0
184	184	Shell-Thin	1328	SLE-ENVE	Combination	Max	0	0	0	0	0
184	184	Shell-Thin	1349	SLE-ENVE	Combination	Min	0	0	0	0	0
184	184	Shell-Thin	1350	SLE-ENVE	Combination	Min	0	0	0	0	0
184	184	Shell-Thin	1329	SLE-ENVE	Combination	Min	0	0	0	0	0
184	184	Shell-Thin	1328	SLE-ENVE	Combination	Min	0	0	0	0	0
185	185	Shell-Thin	19	SLU-ENVE	Combination	Max	0	0	0	0	0
185	185	Shell-Thin	18	SLU-ENVE	Combination	Max	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
185	185	Shell-Thin	999	SLU-ENVE	Combination	Max	0	0	0	0	0
185	185	Shell-Thin	1173	SLU-ENVE	Combination	Max	0	0	0	0	0
185	185	Shell-Thin	19	SLU-ENVE	Combination	Min	0	0	0	0	0
185	185	Shell-Thin	18	SLU-ENVE	Combination	Min	0	0	0	0	0
185	185	Shell-Thin	999	SLU-ENVE	Combination	Min	0	0	0	0	0
185	185	Shell-Thin	1173	SLU-ENVE	Combination	Min	0	0	0	0	0
185	185	Shell-Thin	19	SLE-ENVE	Combination	Max	0	0	0	0	0
185	185	Shell-Thin	18	SLE-ENVE	Combination	Max	0	0	0	0	0
185	185	Shell-Thin	999	SLE-ENVE	Combination	Max	0	0	0	0	0
185	185	Shell-Thin	1173	SLE-ENVE	Combination	Max	0	0	0	0	0
185	185	Shell-Thin	19	SLE-ENVE	Combination	Min	0	0	0	0	0
185	185	Shell-Thin	18	SLE-ENVE	Combination	Min	0	0	0	0	0
185	185	Shell-Thin	999	SLE-ENVE	Combination	Min	0	0	0	0	0
185	185	Shell-Thin	1173	SLE-ENVE	Combination	Min	0	0	0	0	0
186	186	Shell-Thin	1307	SLU-ENVE	Combination	Max	0	0	0	0	0
186	186	Shell-Thin	1308	SLU-ENVE	Combination	Max	0	0	0	0	0
186	186	Shell-Thin	1137	SLU-ENVE	Combination	Max	0	0	0	0	0
186	186	Shell-Thin	1139	SLU-ENVE	Combination	Max	0	0	0	0	0
186	186	Shell-Thin	1307	SLU-ENVE	Combination	Min	0	0	0	0	0
186	186	Shell-Thin	1308	SLU-ENVE	Combination	Min	0	0	0	0	0
186	186	Shell-Thin	1137	SLU-ENVE	Combination	Min	0	0	0	0	0
186	186	Shell-Thin	1139	SLU-ENVE	Combination	Min	0	0	0	0	0
186	186	Shell-Thin	1307	SLE-ENVE	Combination	Max	0	0	0	0	0
186	186	Shell-Thin	1308	SLE-ENVE	Combination	Max	0	0	0	0	0
186	186	Shell-Thin	1137	SLE-ENVE	Combination	Max	0	0	0	0	0
186	186	Shell-Thin	1139	SLE-ENVE	Combination	Max	0	0	0	0	0
186	186	Shell-Thin	1307	SLE-ENVE	Combination	Min	0	0	0	0	0
186	186	Shell-Thin	1308	SLE-ENVE	Combination	Min	0	0	0	0	0
186	186	Shell-Thin	1137	SLE-ENVE	Combination	Min	0	0	0	0	0
186	186	Shell-Thin	1139	SLE-ENVE	Combination	Min	0	0	0	0	0
200	200	Shell-Thin	1319	SLU-ENVE	Combination	Max	0	0	0	0	0
200	200	Shell-Thin	1320	SLU-ENVE	Combination	Max	0	0	0	0	0
200	200	Shell-Thin	20	SLU-ENVE	Combination	Max	0	0	0	0	0
200	200	Shell-Thin	21	SLU-ENVE	Combination	Max	0	0	0	0	0
200	200	Shell-Thin	1319	SLU-ENVE	Combination	Min	0	0	0	0	0
200	200	Shell-Thin	1320	SLU-ENVE	Combination	Min	0	0	0	0	0
200	200	Shell-Thin	20	SLU-ENVE	Combination	Min	0	0	0	0	0
200	200	Shell-Thin	21	SLU-ENVE	Combination	Min	0	0	0	0	0
200	200	Shell-Thin	1319	SLE-ENVE	Combination	Max	0	0	0	0	0
200	200	Shell-Thin	1320	SLE-ENVE	Combination	Max	0	0	0	0	0
200	200	Shell-Thin	20	SLE-ENVE	Combination	Max	0	0	0	0	0
200	200	Shell-Thin	21	SLE-ENVE	Combination	Max	0	0	0	0	0
200	200	Shell-Thin	1319	SLE-ENVE	Combination	Min	0	0	0	0	0
200	200	Shell-Thin	1320	SLE-ENVE	Combination	Min	0	0	0	0	0
200	200	Shell-Thin	20	SLE-ENVE	Combination	Min	0	0	0	0	0
200	200	Shell-Thin	21	SLE-ENVE	Combination	Min	0	0	0	0	0
201	201	Shell-Thin	21	SLU-ENVE	Combination	Max	0	0	0	0	0
201	201	Shell-Thin	20	SLU-ENVE	Combination	Max	0	0	0	0	0
201	201	Shell-Thin	1175	SLU-ENVE	Combination	Max	0	0	0	0	0
201	201	Shell-Thin	1174	SLU-ENVE	Combination	Max	0	0	0	0	0
201	201	Shell-Thin	21	SLU-ENVE	Combination	Min	0	0	0	0	0
201	201	Shell-Thin	20	SLU-ENVE	Combination	Min	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
201	201	Shell-Thin	1175	SLU-ENVE	Combination	Min	-	0	0	0	-
							1,025E-20				1,229E-20
201	201	Shell-Thin	1174	SLU-ENVE	Combination	Min	-	0	0	0	-
							1,024E-20				1,172E-20
201	201	Shell-Thin	21	SLE-ENVE	Combination	Max	0	0	0	0	0
201	201	Shell-Thin	20	SLE-ENVE	Combination	Max	0	0	0	0	0
201	201	Shell-Thin	1175	SLE-ENVE	Combination	Max	0	0	0	0	0
201	201	Shell-Thin	1174	SLE-ENVE	Combination	Max	0	0	0	0	0
201	201	Shell-Thin	21	SLE-ENVE	Combination	Min	0	0	0	0	0
201	201	Shell-Thin	20	SLE-ENVE	Combination	Min	0	0	0	0	0
201	201	Shell-Thin	1175	SLE-ENVE	Combination	Min	0	0	0	0	0
201	201	Shell-Thin	1174	SLE-ENVE	Combination	Min	0	0	0	0	0
202	202	Shell-Thin	1320	SLU-ENVE	Combination	Max	0	0	0	0	0
202	202	Shell-Thin	1321	SLU-ENVE	Combination	Max	0	0	0	0	0
202	202	Shell-Thin	22	SLU-ENVE	Combination	Max	0	0	0	0	0
202	202	Shell-Thin	20	SLU-ENVE	Combination	Max	0	0	0	0	0
202	202	Shell-Thin	1320	SLU-ENVE	Combination	Min	0	0	0	0	0
202	202	Shell-Thin	1321	SLU-ENVE	Combination	Min	0	0	0	0	0
202	202	Shell-Thin	22	SLU-ENVE	Combination	Min	0	0	0	0	0
202	202	Shell-Thin	20	SLU-ENVE	Combination	Min	0	0	0	0	0
202	202	Shell-Thin	1320	SLE-ENVE	Combination	Max	0	0	0	0	0
202	202	Shell-Thin	1321	SLE-ENVE	Combination	Max	0	0	0	0	0
202	202	Shell-Thin	22	SLE-ENVE	Combination	Max	0	0	0	0	0
202	202	Shell-Thin	20	SLE-ENVE	Combination	Max	0	0	0	0	0
202	202	Shell-Thin	1320	SLE-ENVE	Combination	Min	0	0	0	0	0
202	202	Shell-Thin	1321	SLE-ENVE	Combination	Min	0	0	0	0	0
202	202	Shell-Thin	22	SLE-ENVE	Combination	Min	0	0	0	0	0
202	202	Shell-Thin	20	SLE-ENVE	Combination	Min	0	0	0	0	0
208	208	Shell-Thin	1392	SLU-ENVE	Combination	Max	0	0	0	0	0
208	208	Shell-Thin	935	SLU-ENVE	Combination	Max	0	0	0	0	0
208	208	Shell-Thin	933	SLU-ENVE	Combination	Max	0	0	0	0	0
208	208	Shell-Thin	1371	SLU-ENVE	Combination	Max	0	0	0	0	0
208	208	Shell-Thin	1392	SLU-ENVE	Combination	Min	0	0	0	0	0
208	208	Shell-Thin	935	SLU-ENVE	Combination	Min	0	0	0	0	0
208	208	Shell-Thin	933	SLU-ENVE	Combination	Min	0	0	0	0	0
208	208	Shell-Thin	1371	SLU-ENVE	Combination	Min	0	0	0	0	0
208	208	Shell-Thin	1392	SLE-ENVE	Combination	Max	0	0	0	0	0
208	208	Shell-Thin	935	SLE-ENVE	Combination	Max	0	0	0	0	0
208	208	Shell-Thin	933	SLE-ENVE	Combination	Max	0	0	0	0	0
208	208	Shell-Thin	1371	SLE-ENVE	Combination	Max	0	0	0	0	0
208	208	Shell-Thin	1392	SLE-ENVE	Combination	Min	0	0	0	0	0
208	208	Shell-Thin	935	SLE-ENVE	Combination	Min	0	0	0	0	0
208	208	Shell-Thin	933	SLE-ENVE	Combination	Min	0	0	0	0	0
208	208	Shell-Thin	1371	SLE-ENVE	Combination	Min	0	0	0	0	0
209	209	Shell-Thin	1371	SLU-ENVE	Combination	Max	0	0	0	0	0
209	209	Shell-Thin	933	SLU-ENVE	Combination	Max	0	0	0	0	0
209	209	Shell-Thin	931	SLU-ENVE	Combination	Max	0	0	0	0	0
209	209	Shell-Thin	1350	SLU-ENVE	Combination	Max	0	0	0	0	0
209	209	Shell-Thin	1371	SLU-ENVE	Combination	Min	0	0	0	0	0
209	209	Shell-Thin	933	SLU-ENVE	Combination	Min	0	0	0	0	0
209	209	Shell-Thin	931	SLU-ENVE	Combination	Min	0	0	0	0	0
209	209	Shell-Thin	1350	SLU-ENVE	Combination	Min	0	0	0	0	0

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**Table: Element Forces - Area Shells, Part 1 of 3**

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
209	209	Shell-Thin	1371	SLE-ENVE	Combination	Max	0	0	0	0	0
209	209	Shell-Thin	933	SLE-ENVE	Combination	Max	0	0	0	0	0
209	209	Shell-Thin	931	SLE-ENVE	Combination	Max	0	0	0	0	0
209	209	Shell-Thin	1350	SLE-ENVE	Combination	Max	0	0	0	0	0
209	209	Shell-Thin	1371	SLE-ENVE	Combination	Min	0	0	0	0	0
209	209	Shell-Thin	933	SLE-ENVE	Combination	Min	0	0	0	0	0
209	209	Shell-Thin	931	SLE-ENVE	Combination	Min	0	0	0	0	0
209	209	Shell-Thin	1350	SLE-ENVE	Combination	Min	0	0	0	0	0
210	210	Shell-Thin	1350	SLU-ENVE	Combination	Max	0	0	0	0	0
210	210	Shell-Thin	931	SLU-ENVE	Combination	Max	0	0	0	0	0
210	210	Shell-Thin	929	SLU-ENVE	Combination	Max	0	0	0	0	0
210	210	Shell-Thin	1329	SLU-ENVE	Combination	Max	0	0	0	0	0
210	210	Shell-Thin	1350	SLU-ENVE	Combination	Min	0	0	0	0	0
210	210	Shell-Thin	931	SLU-ENVE	Combination	Min	0	0	0	0	0
210	210	Shell-Thin	929	SLU-ENVE	Combination	Min	0	0	0	0	0
210	210	Shell-Thin	1329	SLU-ENVE	Combination	Min	0	0	0	0	0
210	210	Shell-Thin	1350	SLE-ENVE	Combination	Max	0	0	0	0	0
210	210	Shell-Thin	931	SLE-ENVE	Combination	Max	0	0	0	0	0
210	210	Shell-Thin	929	SLE-ENVE	Combination	Max	0	0	0	0	0
210	210	Shell-Thin	1329	SLE-ENVE	Combination	Max	0	0	0	0	0
210	210	Shell-Thin	1350	SLE-ENVE	Combination	Min	0	0	0	0	0
210	210	Shell-Thin	931	SLE-ENVE	Combination	Min	0	0	0	0	0
210	210	Shell-Thin	929	SLE-ENVE	Combination	Min	0	0	0	0	0
210	210	Shell-Thin	1329	SLE-ENVE	Combination	Min	0	0	0	0	0
211	211	Shell-Thin	20	SLU-ENVE	Combination	Max	0	0	0	0	0
211	211	Shell-Thin	22	SLU-ENVE	Combination	Max	0	0	0	0	0
211	211	Shell-Thin	1176	SLU-ENVE	Combination	Max	0	0	0	0	0
211	211	Shell-Thin	1175	SLU-ENVE	Combination	Max	0	0	0	0	0
211	211	Shell-Thin	20	SLU-ENVE	Combination	Min	0	0	0	0	0
211	211	Shell-Thin	22	SLU-ENVE	Combination	Min	0	0	0	0	0
211	211	Shell-Thin	1176	SLU-ENVE	Combination	Min	0	0	0	0	0
211	211	Shell-Thin	1175	SLU-ENVE	Combination	Min	0	0	0	0	0
211	211	Shell-Thin	20	SLE-ENVE	Combination	Max	0	0	0	0	0
211	211	Shell-Thin	22	SLE-ENVE	Combination	Max	0	0	0	0	0
211	211	Shell-Thin	1176	SLE-ENVE	Combination	Max	0	0	0	0	0
211	211	Shell-Thin	1175	SLE-ENVE	Combination	Max	0	0	0	0	0
211	211	Shell-Thin	20	SLE-ENVE	Combination	Min	0	0	0	0	0
211	211	Shell-Thin	22	SLE-ENVE	Combination	Min	0	0	0	0	0
211	211	Shell-Thin	1176	SLE-ENVE	Combination	Min	0	0	0	0	0
211	211	Shell-Thin	1175	SLE-ENVE	Combination	Min	0	0	0	0	0
212	212	Shell-Thin	1308	SLU-ENVE	Combination	Max	0	0	0	0	0
212	212	Shell-Thin	927	SLU-ENVE	Combination	Max	0	0	0	0	0
212	212	Shell-Thin	912	SLU-ENVE	Combination	Max	0	0	0	0	0
212	212	Shell-Thin	1137	SLU-ENVE	Combination	Max	0	0	0	0	0
212	212	Shell-Thin	1308	SLU-ENVE	Combination	Min	0	0	0	0	0
212	212	Shell-Thin	927	SLU-ENVE	Combination	Min	0	0	0	0	0
212	212	Shell-Thin	912	SLU-ENVE	Combination	Min	0	0	0	0	0
212	212	Shell-Thin	1137	SLU-ENVE	Combination	Min	0	0	0	0	0
212	212	Shell-Thin	1308	SLE-ENVE	Combination	Max	0	0	0	0	0
212	212	Shell-Thin	927	SLE-ENVE	Combination	Max	0	0	0	0	0
212	212	Shell-Thin	912	SLE-ENVE	Combination	Max	0	0	0	0	0
212	212	Shell-Thin	1137	SLE-ENVE	Combination	Max	0	0	0	0	0
212	212	Shell-Thin	1308	SLE-ENVE	Combination	Min	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
212	212	Shell-Thin	927	SLE-ENVE	Combination	Min	0	0	0	0	0
212	212	Shell-Thin	912	SLE-ENVE	Combination	Min	0	0	0	0	0
212	212	Shell-Thin	1137	SLE-ENVE	Combination	Min	0	0	0	0	0
226	226	Shell-Thin	1321	SLU-ENVE	Combination	Max	0	0	0	0	0
226	226	Shell-Thin	1322	SLU-ENVE	Combination	Max	0	0	0	0	0
226	226	Shell-Thin	23	SLU-ENVE	Combination	Max	0	0	0	0	0
226	226	Shell-Thin	22	SLU-ENVE	Combination	Max	0	0	0	0	0
226	226	Shell-Thin	1321	SLU-ENVE	Combination	Min	0	0	0	0	0
226	226	Shell-Thin	1322	SLU-ENVE	Combination	Min	0	0	0	0	0
226	226	Shell-Thin	23	SLU-ENVE	Combination	Min	0	0	0	0	0
226	226	Shell-Thin	22	SLU-ENVE	Combination	Min	0	0	0	0	0
226	226	Shell-Thin	1321	SLE-ENVE	Combination	Max	0	0	0	0	0
226	226	Shell-Thin	1322	SLE-ENVE	Combination	Max	0	0	0	0	0
226	226	Shell-Thin	23	SLE-ENVE	Combination	Max	0	0	0	0	0
226	226	Shell-Thin	22	SLE-ENVE	Combination	Max	0	0	0	0	0
226	226	Shell-Thin	1321	SLE-ENVE	Combination	Min	0	0	0	0	0
226	226	Shell-Thin	1322	SLE-ENVE	Combination	Min	0	0	0	0	0
226	226	Shell-Thin	23	SLE-ENVE	Combination	Min	0	0	0	0	0
226	226	Shell-Thin	22	SLE-ENVE	Combination	Min	0	0	0	0	0
227	227	Shell-Thin	22	SLU-ENVE	Combination	Max	0	0	0	0	0
227	227	Shell-Thin	23	SLU-ENVE	Combination	Max	0	0	0	0	0
227	227	Shell-Thin	1177	SLU-ENVE	Combination	Max	1,022E-20	0	0	1,033E-20	0
227	227	Shell-Thin	1176	SLU-ENVE	Combination	Max	0	0	0	1,029E-20	0
227	227	Shell-Thin	22	SLU-ENVE	Combination	Min	0	0	0	0	0
227	227	Shell-Thin	23	SLU-ENVE	Combination	Min	0	0	0	0	0
227	227	Shell-Thin	1177	SLU-ENVE	Combination	Min	0	0	0	0	0
227	227	Shell-Thin	1176	SLU-ENVE	Combination	Min	0	0	0	0	0
227	227	Shell-Thin	22	SLE-ENVE	Combination	Max	0	0	0	0	0
227	227	Shell-Thin	23	SLE-ENVE	Combination	Max	0	0	0	0	0
227	227	Shell-Thin	1177	SLE-ENVE	Combination	Max	0	0	0	0	0
227	227	Shell-Thin	1176	SLE-ENVE	Combination	Max	0	0	0	0	0
227	227	Shell-Thin	22	SLE-ENVE	Combination	Min	0	0	0	0	0
227	227	Shell-Thin	23	SLE-ENVE	Combination	Min	0	0	0	0	0
227	227	Shell-Thin	1177	SLE-ENVE	Combination	Min	0	0	0	0	0
227	227	Shell-Thin	1176	SLE-ENVE	Combination	Min	0	0	0	0	0
228	228	Shell-Thin	1322	SLU-ENVE	Combination	Max	0	0	0	0	0
228	228	Shell-Thin	1323	SLU-ENVE	Combination	Max	0	0	0	0	0
228	228	Shell-Thin	24	SLU-ENVE	Combination	Max	0	0	0	0	0
228	228	Shell-Thin	23	SLU-ENVE	Combination	Max	0	0	0	0	0
228	228	Shell-Thin	1322	SLU-ENVE	Combination	Min	0	0	0	0	0
228	228	Shell-Thin	1323	SLU-ENVE	Combination	Min	0	0	0	0	0
228	228	Shell-Thin	24	SLU-ENVE	Combination	Min	0	0	0	0	0
228	228	Shell-Thin	23	SLU-ENVE	Combination	Min	0	0	0	0	0
228	228	Shell-Thin	1322	SLE-ENVE	Combination	Max	0	0	0	0	0
228	228	Shell-Thin	1323	SLE-ENVE	Combination	Max	0	0	0	0	0
228	228	Shell-Thin	24	SLE-ENVE	Combination	Max	0	0	0	0	0
228	228	Shell-Thin	23	SLE-ENVE	Combination	Max	0	0	0	0	0
228	228	Shell-Thin	1322	SLE-ENVE	Combination	Min	0	0	0	0	0
228	228	Shell-Thin	1323	SLE-ENVE	Combination	Min	0	0	0	0	0
228	228	Shell-Thin	24	SLE-ENVE	Combination	Min	0	0	0	0	0
228	228	Shell-Thin	23	SLE-ENVE	Combination	Min	0	0	0	0	0

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**Table: Element Forces - Area Shells, Part 1 of 3**

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
234	234	Shell-Thin	1053	SLU-ENVE	Combination	Max	0	0	0	0	0
234	234	Shell-Thin	978	SLU-ENVE	Combination	Max	0	0	0	0	0
234	234	Shell-Thin	977	SLU-ENVE	Combination	Max	0	0	0	0	0
234	234	Shell-Thin	1052	SLU-ENVE	Combination	Max	0	0	0	0	0
234	234	Shell-Thin	1053	SLU-ENVE	Combination	Min	0	0	0	0	0
234	234	Shell-Thin	978	SLU-ENVE	Combination	Min	0	0	0	0	0
234	234	Shell-Thin	977	SLU-ENVE	Combination	Min	0	0	0	0	0
234	234	Shell-Thin	1052	SLU-ENVE	Combination	Min	0	0	0	0	0
234	234	Shell-Thin	1053	SLE-ENVE	Combination	Max	0	0	0	0	0
234	234	Shell-Thin	978	SLE-ENVE	Combination	Max	0	0	0	0	0
234	234	Shell-Thin	977	SLE-ENVE	Combination	Max	0	0	0	0	0
234	234	Shell-Thin	1052	SLE-ENVE	Combination	Max	0	0	0	0	0
234	234	Shell-Thin	1053	SLE-ENVE	Combination	Min	0	0	0	0	0
234	234	Shell-Thin	978	SLE-ENVE	Combination	Min	0	0	0	0	0
234	234	Shell-Thin	977	SLE-ENVE	Combination	Min	0	0	0	0	0
234	234	Shell-Thin	1052	SLE-ENVE	Combination	Min	0	0	0	0	0
235	235	Shell-Thin	1052	SLU-ENVE	Combination	Max	0	0	0	0	0
235	235	Shell-Thin	977	SLU-ENVE	Combination	Max	0	0	0	0	0
235	235	Shell-Thin	976	SLU-ENVE	Combination	Max	0	0	0	0	0
235	235	Shell-Thin	1051	SLU-ENVE	Combination	Max	0	0	0	0	0
235	235	Shell-Thin	1052	SLU-ENVE	Combination	Min	0	0	0	0	0
235	235	Shell-Thin	977	SLU-ENVE	Combination	Min	0	0	0	0	0
235	235	Shell-Thin	976	SLU-ENVE	Combination	Min	0	0	0	0	0
235	235	Shell-Thin	1051	SLU-ENVE	Combination	Min	0	0	0	0	0
235	235	Shell-Thin	1052	SLE-ENVE	Combination	Max	0	0	0	0	0
235	235	Shell-Thin	977	SLE-ENVE	Combination	Max	0	0	0	0	0
235	235	Shell-Thin	976	SLE-ENVE	Combination	Max	0	0	0	0	0
235	235	Shell-Thin	1051	SLE-ENVE	Combination	Max	0	0	0	0	0
235	235	Shell-Thin	1052	SLE-ENVE	Combination	Min	0	0	0	0	0
235	235	Shell-Thin	977	SLE-ENVE	Combination	Min	0	0	0	0	0
235	235	Shell-Thin	976	SLE-ENVE	Combination	Min	0	0	0	0	0
235	235	Shell-Thin	1051	SLE-ENVE	Combination	Min	0	0	0	0	0
236	236	Shell-Thin	1051	SLU-ENVE	Combination	Max	0	0	0	0	0
236	236	Shell-Thin	976	SLU-ENVE	Combination	Max	0	0	0	0	0
236	236	Shell-Thin	975	SLU-ENVE	Combination	Max	0	0	0	0	0
236	236	Shell-Thin	1050	SLU-ENVE	Combination	Max	0	0	0	0	0
236	236	Shell-Thin	1051	SLU-ENVE	Combination	Min	0	0	0	0	0
236	236	Shell-Thin	976	SLU-ENVE	Combination	Min	0	0	0	0	0
236	236	Shell-Thin	975	SLU-ENVE	Combination	Min	0	0	0	0	0
236	236	Shell-Thin	1050	SLU-ENVE	Combination	Min	0	0	0	0	0
236	236	Shell-Thin	1051	SLE-ENVE	Combination	Max	0	0	0	0	0
236	236	Shell-Thin	976	SLE-ENVE	Combination	Max	0	0	0	0	0
236	236	Shell-Thin	975	SLE-ENVE	Combination	Max	0	0	0	0	0
236	236	Shell-Thin	1050	SLE-ENVE	Combination	Max	0	0	0	0	0
236	236	Shell-Thin	1051	SLE-ENVE	Combination	Min	0	0	0	0	0
236	236	Shell-Thin	976	SLE-ENVE	Combination	Min	0	0	0	0	0
236	236	Shell-Thin	975	SLE-ENVE	Combination	Min	0	0	0	0	0
236	236	Shell-Thin	1050	SLE-ENVE	Combination	Min	0	0	0	0	0
237	237	Shell-Thin	23	SLU-ENVE	Combination	Max	0	0	0	0	0
237	237	Shell-Thin	24	SLU-ENVE	Combination	Max	0	0	0	0	0
237	237	Shell-Thin	1178	SLU-ENVE	Combination	Max	1,728E-20	0	0	1,76E-20	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
237	237	Shell-Thin	1177	SLU-ENVE	Combination	Max	1,716E-20	0	0	1,721E-20	0
237	237	Shell-Thin	23	SLU-ENVE	Combination	Min	0	0	0	0	0
237	237	Shell-Thin	24	SLU-ENVE	Combination	Min	0	0	0	0	0
237	237	Shell-Thin	1178	SLU-ENVE	Combination	Min	1,301E-20	0	0	1,302E-20	0
237	237	Shell-Thin	1177	SLU-ENVE	Combination	Min	1,29E-20	0	0	1,308E-20	0
237	237	Shell-Thin	23	SLE-ENVE	Combination	Max	0	0	0	0	0
237	237	Shell-Thin	24	SLE-ENVE	Combination	Max	0	0	0	0	0
237	237	Shell-Thin	1178	SLE-ENVE	Combination	Max	0	0	0	0	0
237	237	Shell-Thin	1177	SLE-ENVE	Combination	Max	0	0	0	0	0
237	237	Shell-Thin	23	SLE-ENVE	Combination	Min	0	0	0	0	0
237	237	Shell-Thin	24	SLE-ENVE	Combination	Min	0	0	0	0	0
237	237	Shell-Thin	1178	SLE-ENVE	Combination	Min	0	0	0	0	0
237	237	Shell-Thin	1177	SLE-ENVE	Combination	Min	0	0	0	0	0
238	238	Shell-Thin	1049	SLU-ENVE	Combination	Max	0	0	0	0	0
238	238	Shell-Thin	974	SLU-ENVE	Combination	Max	0	0	0	0	0
238	238	Shell-Thin	900	SLU-ENVE	Combination	Max	0	0	0	0	0
238	238	Shell-Thin	908	SLU-ENVE	Combination	Max	0	0	0	0	0
238	238	Shell-Thin	1049	SLU-ENVE	Combination	Min	0	0	0	0	0
238	238	Shell-Thin	974	SLU-ENVE	Combination	Min	0	0	0	0	0
238	238	Shell-Thin	900	SLU-ENVE	Combination	Min	0	0	0	0	0
238	238	Shell-Thin	908	SLU-ENVE	Combination	Min	0	0	0	0	0
238	238	Shell-Thin	1049	SLE-ENVE	Combination	Max	0	0	0	0	0
238	238	Shell-Thin	974	SLE-ENVE	Combination	Max	0	0	0	0	0
238	238	Shell-Thin	900	SLE-ENVE	Combination	Max	0	0	0	0	0
238	238	Shell-Thin	908	SLE-ENVE	Combination	Max	0	0	0	0	0
238	238	Shell-Thin	1049	SLE-ENVE	Combination	Min	0	0	0	0	0
238	238	Shell-Thin	974	SLE-ENVE	Combination	Min	0	0	0	0	0
238	238	Shell-Thin	900	SLE-ENVE	Combination	Min	0	0	0	0	0
238	238	Shell-Thin	908	SLE-ENVE	Combination	Min	0	0	0	0	0
252	252	Shell-Thin	1323	SLU-ENVE	Combination	Max	0	0	0	0	0
252	252	Shell-Thin	1324	SLU-ENVE	Combination	Max	0	0	0	0	0
252	252	Shell-Thin	25	SLU-ENVE	Combination	Max	0	0	0	0	0
252	252	Shell-Thin	24	SLU-ENVE	Combination	Max	0	0	0	0	0
252	252	Shell-Thin	1323	SLU-ENVE	Combination	Min	0	0	0	0	0
252	252	Shell-Thin	1324	SLU-ENVE	Combination	Min	0	0	0	0	0
252	252	Shell-Thin	25	SLU-ENVE	Combination	Min	0	0	0	0	0
252	252	Shell-Thin	24	SLU-ENVE	Combination	Min	0	0	0	0	0
252	252	Shell-Thin	1323	SLE-ENVE	Combination	Max	0	0	0	0	0
252	252	Shell-Thin	1324	SLE-ENVE	Combination	Max	0	0	0	0	0
252	252	Shell-Thin	25	SLE-ENVE	Combination	Max	0	0	0	0	0
252	252	Shell-Thin	24	SLE-ENVE	Combination	Max	0	0	0	0	0
252	252	Shell-Thin	1323	SLE-ENVE	Combination	Min	0	0	0	0	0
252	252	Shell-Thin	1324	SLE-ENVE	Combination	Min	0	0	0	0	0
252	252	Shell-Thin	25	SLE-ENVE	Combination	Min	0	0	0	0	0
252	252	Shell-Thin	24	SLE-ENVE	Combination	Min	0	0	0	0	0
253	253	Shell-Thin	24	SLU-ENVE	Combination	Max	0	0	0	0	0
253	253	Shell-Thin	25	SLU-ENVE	Combination	Max	0	0	0	1,021E-20	0
253	253	Shell-Thin	1179	SLU-ENVE	Combination	Max	1,782E-20	0	0	1,927E-20	0



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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
253	253	Shell-Thin	1178	SLU-ENVE	Combination	Max	1,761E-20	0	0	1,815E-20	0
253	253	Shell-Thin	24	SLU-ENVE	Combination	Min	0	0	0	0	0
253	253	Shell-Thin	25	SLU-ENVE	Combination	Min	0	0	0	0	0
253	253	Shell-Thin	1179	SLU-ENVE	Combination	Min	0	0	0	1,012E-20	0
253	253	Shell-Thin	1178	SLU-ENVE	Combination	Min	0	0	0	0	0
253	253	Shell-Thin	24	SLE-ENVE	Combination	Max	0	0	0	0	0
253	253	Shell-Thin	25	SLE-ENVE	Combination	Max	0	0	0	0	0
253	253	Shell-Thin	1179	SLE-ENVE	Combination	Max	0	0	0	1,066E-20	0
253	253	Shell-Thin	1178	SLE-ENVE	Combination	Max	0	0	0	0	0
253	253	Shell-Thin	24	SLE-ENVE	Combination	Min	0	0	0	0	0
253	253	Shell-Thin	25	SLE-ENVE	Combination	Min	0	0	0	0	0
253	253	Shell-Thin	1179	SLE-ENVE	Combination	Min	0	0	0	0	0
253	253	Shell-Thin	1178	SLE-ENVE	Combination	Min	0	0	0	0	0
254	254	Shell-Thin	1324	SLU-ENVE	Combination	Max	0	0	0	0	0
254	254	Shell-Thin	1325	SLU-ENVE	Combination	Max	0	0	0	0	0
254	254	Shell-Thin	26	SLU-ENVE	Combination	Max	0	0	0	0	0
254	254	Shell-Thin	25	SLU-ENVE	Combination	Max	0	0	0	0	0
254	254	Shell-Thin	1324	SLU-ENVE	Combination	Min	0	0	0	0	0
254	254	Shell-Thin	1325	SLU-ENVE	Combination	Min	0	0	0	0	0
254	254	Shell-Thin	26	SLU-ENVE	Combination	Min	0	0	0	0	0
254	254	Shell-Thin	25	SLU-ENVE	Combination	Min	0	0	0	0	0
254	254	Shell-Thin	1324	SLE-ENVE	Combination	Max	0	0	0	0	0
254	254	Shell-Thin	1325	SLE-ENVE	Combination	Max	0	0	0	0	0
254	254	Shell-Thin	26	SLE-ENVE	Combination	Max	0	0	0	0	0
254	254	Shell-Thin	25	SLE-ENVE	Combination	Max	0	0	0	0	0
254	254	Shell-Thin	1324	SLE-ENVE	Combination	Min	0	0	0	0	0
254	254	Shell-Thin	1325	SLE-ENVE	Combination	Min	0	0	0	0	0
254	254	Shell-Thin	26	SLE-ENVE	Combination	Min	0	0	0	0	0
254	254	Shell-Thin	25	SLE-ENVE	Combination	Min	0	0	0	0	0
260	260	Shell-Thin	978	SLU-ENVE	Combination	Max	0	0	0	0	0
260	260	Shell-Thin	1375	SLU-ENVE	Combination	Max	0	0	0	0	0
260	260	Shell-Thin	1354	SLU-ENVE	Combination	Max	0	0	0	0	0
260	260	Shell-Thin	977	SLU-ENVE	Combination	Max	0	0	0	0	0
260	260	Shell-Thin	978	SLU-ENVE	Combination	Min	0	0	0	0	0
260	260	Shell-Thin	1375	SLU-ENVE	Combination	Min	0	0	0	0	0
260	260	Shell-Thin	1354	SLU-ENVE	Combination	Min	0	0	0	0	0
260	260	Shell-Thin	977	SLU-ENVE	Combination	Min	0	0	0	0	0
260	260	Shell-Thin	978	SLE-ENVE	Combination	Max	0	0	0	0	0
260	260	Shell-Thin	1375	SLE-ENVE	Combination	Max	0	0	0	0	0
260	260	Shell-Thin	1354	SLE-ENVE	Combination	Max	0	0	0	0	0
260	260	Shell-Thin	977	SLE-ENVE	Combination	Max	0	0	0	0	0
260	260	Shell-Thin	978	SLE-ENVE	Combination	Min	0	0	0	0	0
260	260	Shell-Thin	1375	SLE-ENVE	Combination	Min	0	0	0	0	0
260	260	Shell-Thin	1354	SLE-ENVE	Combination	Min	0	0	0	0	0
260	260	Shell-Thin	977	SLE-ENVE	Combination	Min	0	0	0	0	0
261	261	Shell-Thin	977	SLU-ENVE	Combination	Max	0	0	0	0	0
261	261	Shell-Thin	1354	SLU-ENVE	Combination	Max	0	0	0	0	0
261	261	Shell-Thin	1333	SLU-ENVE	Combination	Max	0	0	0	0	0
261	261	Shell-Thin	976	SLU-ENVE	Combination	Max	0	0	0	0	0
261	261	Shell-Thin	977	SLU-ENVE	Combination	Min	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
261	261	Shell-Thin	1354	SLU-ENVE	Combination	Min	0	0	0	0	0
261	261	Shell-Thin	1333	SLU-ENVE	Combination	Min	0	0	0	0	0
261	261	Shell-Thin	976	SLU-ENVE	Combination	Min	0	0	0	0	0
261	261	Shell-Thin	977	SLE-ENVE	Combination	Max	0	0	0	0	0
261	261	Shell-Thin	1354	SLE-ENVE	Combination	Max	0	0	0	0	0
261	261	Shell-Thin	1333	SLE-ENVE	Combination	Max	0	0	0	0	0
261	261	Shell-Thin	976	SLE-ENVE	Combination	Max	0	0	0	0	0
261	261	Shell-Thin	977	SLE-ENVE	Combination	Min	0	0	0	0	0
261	261	Shell-Thin	1354	SLE-ENVE	Combination	Min	0	0	0	0	0
261	261	Shell-Thin	1333	SLE-ENVE	Combination	Min	0	0	0	0	0
261	261	Shell-Thin	976	SLE-ENVE	Combination	Min	0	0	0	0	0
262	262	Shell-Thin	976	SLU-ENVE	Combination	Max	0	0	0	0	0
262	262	Shell-Thin	1333	SLU-ENVE	Combination	Max	0	0	0	0	0
262	262	Shell-Thin	1312	SLU-ENVE	Combination	Max	0	0	0	0	0
262	262	Shell-Thin	975	SLU-ENVE	Combination	Max	0	0	0	0	0
262	262	Shell-Thin	976	SLU-ENVE	Combination	Min	0	0	0	0	0
262	262	Shell-Thin	1333	SLU-ENVE	Combination	Min	0	0	0	0	0
262	262	Shell-Thin	1312	SLU-ENVE	Combination	Min	0	0	0	0	0
262	262	Shell-Thin	975	SLU-ENVE	Combination	Min	0	0	0	0	0
262	262	Shell-Thin	976	SLE-ENVE	Combination	Max	0	0	0	0	0
262	262	Shell-Thin	1333	SLE-ENVE	Combination	Max	0	0	0	0	0
262	262	Shell-Thin	1312	SLE-ENVE	Combination	Max	0	0	0	0	0
262	262	Shell-Thin	975	SLE-ENVE	Combination	Max	0	0	0	0	0
262	262	Shell-Thin	976	SLE-ENVE	Combination	Min	0	0	0	0	0
262	262	Shell-Thin	1333	SLE-ENVE	Combination	Min	0	0	0	0	0
262	262	Shell-Thin	1312	SLE-ENVE	Combination	Min	0	0	0	0	0
262	262	Shell-Thin	975	SLE-ENVE	Combination	Min	0	0	0	0	0
263	263	Shell-Thin	25	SLU-ENVE	Combination	Max	0	0	0	0	0
263	263	Shell-Thin	26	SLU-ENVE	Combination	Max	0	0	0	0	0
263	263	Shell-Thin	1304	SLU-ENVE	Combination	Max	0	0	0	1,171E-20	0
263	263	Shell-Thin	1179	SLU-ENVE	Combination	Max	0	0	0	1,302E-20	0
263	263	Shell-Thin	25	SLU-ENVE	Combination	Min	0	0	0	0	0
263	263	Shell-Thin	26	SLU-ENVE	Combination	Min	0	0	0	0	0
263	263	Shell-Thin	1304	SLU-ENVE	Combination	Min	0	0	0	0	0
263	263	Shell-Thin	1179	SLU-ENVE	Combination	Min	0	0	0	0	0
263	263	Shell-Thin	25	SLE-ENVE	Combination	Max	0	0	0	0	0
263	263	Shell-Thin	26	SLE-ENVE	Combination	Max	0	0	0	0	0
263	263	Shell-Thin	1304	SLE-ENVE	Combination	Max	0	0	0	0	0
263	263	Shell-Thin	1179	SLE-ENVE	Combination	Max	0	0	0	0	0
263	263	Shell-Thin	25	SLE-ENVE	Combination	Min	0	0	0	0	0
263	263	Shell-Thin	26	SLE-ENVE	Combination	Min	0	0	0	0	0
263	263	Shell-Thin	1304	SLE-ENVE	Combination	Min	0	0	0	0	0
263	263	Shell-Thin	1179	SLE-ENVE	Combination	Min	0	0	0	0	0
264	264	Shell-Thin	974	SLU-ENVE	Combination	Max	0	0	0	0	0
264	264	Shell-Thin	1167	SLU-ENVE	Combination	Max	0	0	0	0	0
264	264	Shell-Thin	1111	SLU-ENVE	Combination	Max	0	0	0	0	0
264	264	Shell-Thin	900	SLU-ENVE	Combination	Max	0	0	0	0	0
264	264	Shell-Thin	974	SLU-ENVE	Combination	Min	0	0	0	0	0
264	264	Shell-Thin	1167	SLU-ENVE	Combination	Min	0	0	0	0	0
264	264	Shell-Thin	1111	SLU-ENVE	Combination	Min	0	0	0	0	0
264	264	Shell-Thin	900	SLU-ENVE	Combination	Min	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
264	264	Shell-Thin	974	SLE-ENVE	Combination	Max	0	0	0	0	0
264	264	Shell-Thin	1167	SLE-ENVE	Combination	Max	0	0	0	0	0
264	264	Shell-Thin	1111	SLE-ENVE	Combination	Max	0	0	0	0	0
264	264	Shell-Thin	900	SLE-ENVE	Combination	Max	0	0	0	0	0
264	264	Shell-Thin	974	SLE-ENVE	Combination	Min	0	0	0	0	0
264	264	Shell-Thin	1167	SLE-ENVE	Combination	Min	0	0	0	0	0
264	264	Shell-Thin	1111	SLE-ENVE	Combination	Min	0	0	0	0	0
264	264	Shell-Thin	900	SLE-ENVE	Combination	Min	0	0	0	0	0
278	278	Shell-Thin	1325	SLU-ENVE	Combination	Max	0	0	0	0	0
278	278	Shell-Thin	1326	SLU-ENVE	Combination	Max	0	0	0	0	0
278	278	Shell-Thin	27	SLU-ENVE	Combination	Max	0	0	0	0	0
278	278	Shell-Thin	26	SLU-ENVE	Combination	Max	0	0	0	0	0
278	278	Shell-Thin	1325	SLU-ENVE	Combination	Min	0	0	0	0	0
278	278	Shell-Thin	1326	SLU-ENVE	Combination	Min	0	0	0	0	0
278	278	Shell-Thin	27	SLU-ENVE	Combination	Min	0	0	0	0	0
278	278	Shell-Thin	26	SLU-ENVE	Combination	Min	0	0	0	0	0
278	278	Shell-Thin	1325	SLE-ENVE	Combination	Max	0	0	0	0	0
278	278	Shell-Thin	1326	SLE-ENVE	Combination	Max	0	0	0	0	0
278	278	Shell-Thin	27	SLE-ENVE	Combination	Max	0	0	0	0	0
278	278	Shell-Thin	26	SLE-ENVE	Combination	Max	0	0	0	0	0
278	278	Shell-Thin	1325	SLE-ENVE	Combination	Min	0	0	0	0	0
278	278	Shell-Thin	1326	SLE-ENVE	Combination	Min	0	0	0	0	0
278	278	Shell-Thin	27	SLE-ENVE	Combination	Min	0	0	0	0	0
278	278	Shell-Thin	26	SLE-ENVE	Combination	Min	0	0	0	0	0
279	279	Shell-Thin	26	SLU-ENVE	Combination	Max	0	0	0	0	0
279	279	Shell-Thin	27	SLU-ENVE	Combination	Max	0	0	0	0	0
279	279	Shell-Thin	1305	SLU-ENVE	Combination	Max	-	0	0	0	-
							1,413E-20				1,567E-20
279	279	Shell-Thin	1304	SLU-ENVE	Combination	Max	-1,28E-20	0	0	0	-
											1,375E-20
279	279	Shell-Thin	26	SLU-ENVE	Combination	Min	0	0	0	0	0
279	279	Shell-Thin	27	SLU-ENVE	Combination	Min	0	0	0	0	0
279	279	Shell-Thin	1305	SLU-ENVE	Combination	Min	-	0	0	0	-
							1,755E-20				1,843E-20
279	279	Shell-Thin	1304	SLU-ENVE	Combination	Min	-	0	0	0	-
							1,636E-20				1,668E-20
279	279	Shell-Thin	26	SLE-ENVE	Combination	Max	0	0	0	0	0
279	279	Shell-Thin	27	SLE-ENVE	Combination	Max	0	0	0	0	0
279	279	Shell-Thin	1305	SLE-ENVE	Combination	Max	0	0	0	0	0
279	279	Shell-Thin	1304	SLE-ENVE	Combination	Max	0	0	0	0	0
279	279	Shell-Thin	26	SLE-ENVE	Combination	Min	0	0	0	0	0
279	279	Shell-Thin	27	SLE-ENVE	Combination	Min	0	0	0	0	0
279	279	Shell-Thin	1305	SLE-ENVE	Combination	Min	-	0	0	0	-
							1,074E-20				1,133E-20
279	279	Shell-Thin	1304	SLE-ENVE	Combination	Min	-	0	0	0	-
							1,012E-20				1,042E-20
280	280	Shell-Thin	1326	SLU-ENVE	Combination	Max	0	0	0	0	0
280	280	Shell-Thin	1025	SLU-ENVE	Combination	Max	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
280	280	Shell-Thin	28	SLU-ENVE	Combination	Max	0	0	0	0	- 1,203E-20
280	280	Shell-Thin	27	SLU-ENVE	Combination	Max	0	0	0	0	0
280	280	Shell-Thin	1326	SLU-ENVE	Combination	Min	0	0	0	0	0
280	280	Shell-Thin	1025	SLU-ENVE	Combination	Min	0	0	0	0	0
280	280	Shell-Thin	28	SLU-ENVE	Combination	Min	0	0	0	0	- 1,238E-20
280	280	Shell-Thin	27	SLU-ENVE	Combination	Min	0	0	0	0	- 1,015E-20
280	280	Shell-Thin	1326	SLE-ENVE	Combination	Max	0	0	0	0	0
280	280	Shell-Thin	1025	SLE-ENVE	Combination	Max	0	0	0	0	0
280	280	Shell-Thin	28	SLE-ENVE	Combination	Max	0	0	0	0	0
280	280	Shell-Thin	27	SLE-ENVE	Combination	Max	0	0	0	0	0
280	280	Shell-Thin	1326	SLE-ENVE	Combination	Min	0	0	0	0	0
280	280	Shell-Thin	1025	SLE-ENVE	Combination	Min	0	0	0	0	0
280	280	Shell-Thin	28	SLE-ENVE	Combination	Min	0	0	0	0	0
280	280	Shell-Thin	27	SLE-ENVE	Combination	Min	0	0	0	0	0
286	286	Shell-Thin	1375	SLU-ENVE	Combination	Max	0	0	0	0	0
286	286	Shell-Thin	1376	SLU-ENVE	Combination	Max	0	0	0	0	0
286	286	Shell-Thin	1355	SLU-ENVE	Combination	Max	0	0	0	0	0
286	286	Shell-Thin	1354	SLU-ENVE	Combination	Max	0	0	0	0	0
286	286	Shell-Thin	1375	SLU-ENVE	Combination	Min	0	0	0	0	0
286	286	Shell-Thin	1376	SLU-ENVE	Combination	Min	0	0	0	0	0
286	286	Shell-Thin	1355	SLU-ENVE	Combination	Min	0	0	0	0	0
286	286	Shell-Thin	1354	SLU-ENVE	Combination	Min	0	0	0	0	0
286	286	Shell-Thin	1375	SLE-ENVE	Combination	Max	0	0	0	0	0
286	286	Shell-Thin	1376	SLE-ENVE	Combination	Max	0	0	0	0	0
286	286	Shell-Thin	1355	SLE-ENVE	Combination	Max	0	0	0	0	0
286	286	Shell-Thin	1354	SLE-ENVE	Combination	Max	0	0	0	0	0
286	286	Shell-Thin	1375	SLE-ENVE	Combination	Min	0	0	0	0	0
286	286	Shell-Thin	1376	SLE-ENVE	Combination	Min	0	0	0	0	0
286	286	Shell-Thin	1355	SLE-ENVE	Combination	Min	0	0	0	0	0
286	286	Shell-Thin	1354	SLE-ENVE	Combination	Min	0	0	0	0	0
287	287	Shell-Thin	1354	SLU-ENVE	Combination	Max	0	0	0	0	0
287	287	Shell-Thin	1355	SLU-ENVE	Combination	Max	0	0	0	0	0
287	287	Shell-Thin	1334	SLU-ENVE	Combination	Max	0	0	0	0	0
287	287	Shell-Thin	1333	SLU-ENVE	Combination	Max	0	0	0	0	0
287	287	Shell-Thin	1354	SLU-ENVE	Combination	Min	0	0	0	0	0
287	287	Shell-Thin	1355	SLU-ENVE	Combination	Min	0	0	0	0	0
287	287	Shell-Thin	1334	SLU-ENVE	Combination	Min	0	0	0	0	0
287	287	Shell-Thin	1333	SLU-ENVE	Combination	Min	0	0	0	0	0
287	287	Shell-Thin	1354	SLE-ENVE	Combination	Max	0	0	0	0	0
287	287	Shell-Thin	1355	SLE-ENVE	Combination	Max	0	0	0	0	0
287	287	Shell-Thin	1334	SLE-ENVE	Combination	Max	0	0	0	0	0
287	287	Shell-Thin	1333	SLE-ENVE	Combination	Max	0	0	0	0	0
287	287	Shell-Thin	1354	SLE-ENVE	Combination	Min	0	0	0	0	0
287	287	Shell-Thin	1355	SLE-ENVE	Combination	Min	0	0	0	0	0
287	287	Shell-Thin	1334	SLE-ENVE	Combination	Min	0	0	0	0	0
287	287	Shell-Thin	1333	SLE-ENVE	Combination	Min	0	0	0	0	0
288	288	Shell-Thin	1333	SLU-ENVE	Combination	Max	0	0	0	0	0
288	288	Shell-Thin	1334	SLU-ENVE	Combination	Max	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
288	288	Shell-Thin	1313	SLU-ENVE	Combination	Max	0	0	0	0	0
288	288	Shell-Thin	1312	SLU-ENVE	Combination	Max	0	0	0	0	0
288	288	Shell-Thin	1333	SLU-ENVE	Combination	Min	0	0	0	0	0
288	288	Shell-Thin	1334	SLU-ENVE	Combination	Min	0	0	0	0	0
288	288	Shell-Thin	1313	SLU-ENVE	Combination	Min	0	0	0	0	0
288	288	Shell-Thin	1312	SLU-ENVE	Combination	Min	0	0	0	0	0
288	288	Shell-Thin	1333	SLE-ENVE	Combination	Max	0	0	0	0	0
288	288	Shell-Thin	1334	SLE-ENVE	Combination	Max	0	0	0	0	0
288	288	Shell-Thin	1313	SLE-ENVE	Combination	Max	0	0	0	0	0
288	288	Shell-Thin	1312	SLE-ENVE	Combination	Max	0	0	0	0	0
288	288	Shell-Thin	1333	SLE-ENVE	Combination	Min	0	0	0	0	0
288	288	Shell-Thin	1334	SLE-ENVE	Combination	Min	0	0	0	0	0
288	288	Shell-Thin	1313	SLE-ENVE	Combination	Min	0	0	0	0	0
288	288	Shell-Thin	1312	SLE-ENVE	Combination	Min	0	0	0	0	0
289	289	Shell-Thin	27	SLU-ENVE	Combination	Max	0	0	0	0	-
											1,168E-20
289	289	Shell-Thin	28	SLU-ENVE	Combination	Max	0	0	0	0	0
289	289	Shell-Thin	1024	SLU-ENVE	Combination	Max	-	0	0	0	-1,33E-20
							1,315E-20				
289	289	Shell-Thin	1305	SLU-ENVE	Combination	Max	-	0	0	0	-
							1,475E-20				2,023E-20
289	289	Shell-Thin	27	SLU-ENVE	Combination	Min	0	0	0	0	-1,23E-20
289	289	Shell-Thin	28	SLU-ENVE	Combination	Min	0	0	0	0	0
289	289	Shell-Thin	1024	SLU-ENVE	Combination	Min	-	0	0	0	-
							1,597E-20				1,601E-20
289	289	Shell-Thin	1305	SLU-ENVE	Combination	Min	-	0	0	0	-
							1,836E-20				2,216E-20
289	289	Shell-Thin	27	SLE-ENVE	Combination	Max	0	0	0	0	0
289	289	Shell-Thin	28	SLE-ENVE	Combination	Max	0	0	0	0	0
289	289	Shell-Thin	1024	SLE-ENVE	Combination	Max	0	0	0	0	0
289	289	Shell-Thin	1305	SLE-ENVE	Combination	Max	0	0	0	0	-
											1,223E-20
289	289	Shell-Thin	27	SLE-ENVE	Combination	Min	0	0	0	0	0
289	289	Shell-Thin	28	SLE-ENVE	Combination	Min	0	0	0	0	0
289	289	Shell-Thin	1024	SLE-ENVE	Combination	Min	0	0	0	0	0
289	289	Shell-Thin	1305	SLE-ENVE	Combination	Min	-	0	0	0	-
							1,122E-20				1,338E-20
290	290	Shell-Thin	1167	SLU-ENVE	Combination	Max	0	0	0	0	0
290	290	Shell-Thin	1168	SLU-ENVE	Combination	Max	0	0	0	0	0
290	290	Shell-Thin	1129	SLU-ENVE	Combination	Max	1,411E-20	0	0	1,416E-20	0
290	290	Shell-Thin	1111	SLU-ENVE	Combination	Max	1,419E-20	0	0	1,426E-20	0
290	290	Shell-Thin	1167	SLU-ENVE	Combination	Min	0	0	0	0	0
290	290	Shell-Thin	1168	SLU-ENVE	Combination	Min	0	0	0	0	0
290	290	Shell-Thin	1129	SLU-ENVE	Combination	Min	-	0	0	0	-
							1,173E-20				1,235E-20

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
290	290	Shell-Thin	1111	SLU-ENVE	Combination	Min	-	0	0	0	-
							1,185E-20				1,186E-20
290	290	Shell-Thin	1167	SLE-ENVE	Combination	Max	0	0	0	0	0
290	290	Shell-Thin	1168	SLE-ENVE	Combination	Max	0	0	0	0	0
290	290	Shell-Thin	1129	SLE-ENVE	Combination	Max	0	0	0	0	0
290	290	Shell-Thin	1111	SLE-ENVE	Combination	Max	0	0	0	0	0
290	290	Shell-Thin	1167	SLE-ENVE	Combination	Min	0	0	0	0	0
290	290	Shell-Thin	1168	SLE-ENVE	Combination	Min	0	0	0	0	0
290	290	Shell-Thin	1129	SLE-ENVE	Combination	Min	0	0	0	0	0
290	290	Shell-Thin	1111	SLE-ENVE	Combination	Min	0	0	0	0	0
304	304	Shell-Thin	1025	SLU-ENVE	Combination	Max	0	0	0	0	0
304	304	Shell-Thin	1075	SLU-ENVE	Combination	Max	0	0	0	0	0
304	304	Shell-Thin	7	SLU-ENVE	Combination	Max	0	0	0	0	0
304	304	Shell-Thin	28	SLU-ENVE	Combination	Max	0	0	0	0	0
304	304	Shell-Thin	1025	SLU-ENVE	Combination	Min	0	0	0	0	0
304	304	Shell-Thin	1075	SLU-ENVE	Combination	Min	0	0	0	0	0
304	304	Shell-Thin	7	SLU-ENVE	Combination	Min	0	0	0	0	0
304	304	Shell-Thin	28	SLU-ENVE	Combination	Min	0	0	0	0	-
											1,011E-20
304	304	Shell-Thin	1025	SLE-ENVE	Combination	Max	0	0	0	0	0
304	304	Shell-Thin	1075	SLE-ENVE	Combination	Max	0	0	0	0	0
304	304	Shell-Thin	7	SLE-ENVE	Combination	Max	0	0	0	0	0
304	304	Shell-Thin	28	SLE-ENVE	Combination	Max	0	0	0	0	0
304	304	Shell-Thin	1025	SLE-ENVE	Combination	Min	0	0	0	0	0
304	304	Shell-Thin	1075	SLE-ENVE	Combination	Min	0	0	0	0	0
304	304	Shell-Thin	7	SLE-ENVE	Combination	Min	0	0	0	0	0
304	304	Shell-Thin	28	SLE-ENVE	Combination	Min	0	0	0	0	0
305	305	Shell-Thin	28	SLU-ENVE	Combination	Max	0	0	0	0	0
305	305	Shell-Thin	7	SLU-ENVE	Combination	Max	0	0	0	0	0
305	305	Shell-Thin	1074	SLU-ENVE	Combination	Max	0	0	0	0	0
305	305	Shell-Thin	1024	SLU-ENVE	Combination	Max	0	0	0	0	0
305	305	Shell-Thin	28	SLU-ENVE	Combination	Min	0	0	0	0	0
305	305	Shell-Thin	7	SLU-ENVE	Combination	Min	0	0	0	0	-
											1,051E-20
305	305	Shell-Thin	1074	SLU-ENVE	Combination	Min	0	0	0	0	-
											1,056E-20
305	305	Shell-Thin	1024	SLU-ENVE	Combination	Min	0	0	0	0	0
305	305	Shell-Thin	28	SLE-ENVE	Combination	Max	0	0	0	0	0
305	305	Shell-Thin	7	SLE-ENVE	Combination	Max	0	0	0	0	0
305	305	Shell-Thin	1074	SLE-ENVE	Combination	Max	0	0	0	0	0
305	305	Shell-Thin	1024	SLE-ENVE	Combination	Max	0	0	0	0	0
305	305	Shell-Thin	28	SLE-ENVE	Combination	Min	0	0	0	0	0
305	305	Shell-Thin	7	SLE-ENVE	Combination	Min	0	0	0	0	0
305	305	Shell-Thin	1074	SLE-ENVE	Combination	Min	0	0	0	0	0
305	305	Shell-Thin	1024	SLE-ENVE	Combination	Min	0	0	0	0	0
306	306	Shell-Thin	1000	SLU-ENVE	Combination	Max	0	0	0	0	0
306	306	Shell-Thin	2064	SLU-ENVE	Combination	Max	0	0	0	0	0
306	306	Shell-Thin	29	SLU-ENVE	Combination	Max	0	0	0	0	0
306	306	Shell-Thin	18	SLU-ENVE	Combination	Max	0	0	0	0	0
306	306	Shell-Thin	1000	SLU-ENVE	Combination	Min	0	0	0	0	0

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**Table: Element Forces - Area Shells, Part 1 of 3**

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
306	306	Shell-Thin	2064	SLU-ENVE	Combination	Min	0	0	0	0	0
306	306	Shell-Thin	29	SLU-ENVE	Combination	Min	0	0	0	0	0
306	306	Shell-Thin	18	SLU-ENVE	Combination	Min	0	0	0	0	0
306	306	Shell-Thin	1000	SLE-ENVE	Combination	Max	0	0	0	0	0
306	306	Shell-Thin	2064	SLE-ENVE	Combination	Max	0	0	0	0	0
306	306	Shell-Thin	29	SLE-ENVE	Combination	Max	0	0	0	0	0
306	306	Shell-Thin	18	SLE-ENVE	Combination	Max	0	0	0	0	0
306	306	Shell-Thin	1000	SLE-ENVE	Combination	Min	0	0	0	0	0
306	306	Shell-Thin	2064	SLE-ENVE	Combination	Min	0	0	0	0	0
306	306	Shell-Thin	29	SLE-ENVE	Combination	Min	0	0	0	0	0
306	306	Shell-Thin	18	SLE-ENVE	Combination	Min	0	0	0	0	0
312	312	Shell-Thin	1376	SLU-ENVE	Combination	Max	0	0	0	0	0
312	312	Shell-Thin	1377	SLU-ENVE	Combination	Max	0	0	0	0	0
312	312	Shell-Thin	1356	SLU-ENVE	Combination	Max	0	0	0	0	0
312	312	Shell-Thin	1355	SLU-ENVE	Combination	Max	0	0	0	0	0
312	312	Shell-Thin	1376	SLU-ENVE	Combination	Min	0	0	0	0	0
312	312	Shell-Thin	1377	SLU-ENVE	Combination	Min	0	0	0	0	0
312	312	Shell-Thin	1356	SLU-ENVE	Combination	Min	0	0	0	0	0
312	312	Shell-Thin	1355	SLU-ENVE	Combination	Min	0	0	0	0	0
312	312	Shell-Thin	1376	SLE-ENVE	Combination	Max	0	0	0	0	0
312	312	Shell-Thin	1377	SLE-ENVE	Combination	Max	0	0	0	0	0
312	312	Shell-Thin	1356	SLE-ENVE	Combination	Max	0	0	0	0	0
312	312	Shell-Thin	1355	SLE-ENVE	Combination	Max	0	0	0	0	0
312	312	Shell-Thin	1376	SLE-ENVE	Combination	Min	0	0	0	0	0
312	312	Shell-Thin	1377	SLE-ENVE	Combination	Min	0	0	0	0	0
312	312	Shell-Thin	1356	SLE-ENVE	Combination	Min	0	0	0	0	0
312	312	Shell-Thin	1355	SLE-ENVE	Combination	Min	0	0	0	0	0
313	313	Shell-Thin	1355	SLU-ENVE	Combination	Max	0	0	0	0	0
313	313	Shell-Thin	1356	SLU-ENVE	Combination	Max	0	0	0	0	0
313	313	Shell-Thin	1335	SLU-ENVE	Combination	Max	0	0	0	0	0
313	313	Shell-Thin	1334	SLU-ENVE	Combination	Max	0	0	0	0	0
313	313	Shell-Thin	1355	SLU-ENVE	Combination	Min	0	0	0	0	0
313	313	Shell-Thin	1356	SLU-ENVE	Combination	Min	0	0	0	0	0
313	313	Shell-Thin	1335	SLU-ENVE	Combination	Min	0	0	0	0	0
313	313	Shell-Thin	1334	SLU-ENVE	Combination	Min	0	0	0	0	0
313	313	Shell-Thin	1355	SLE-ENVE	Combination	Max	0	0	0	0	0
313	313	Shell-Thin	1356	SLE-ENVE	Combination	Max	0	0	0	0	0
313	313	Shell-Thin	1335	SLE-ENVE	Combination	Max	0	0	0	0	0
313	313	Shell-Thin	1334	SLE-ENVE	Combination	Max	0	0	0	0	0
313	313	Shell-Thin	1355	SLE-ENVE	Combination	Min	0	0	0	0	0
313	313	Shell-Thin	1356	SLE-ENVE	Combination	Min	0	0	0	0	0
313	313	Shell-Thin	1335	SLE-ENVE	Combination	Min	0	0	0	0	0
313	313	Shell-Thin	1334	SLE-ENVE	Combination	Min	0	0	0	0	0
314	314	Shell-Thin	1334	SLU-ENVE	Combination	Max	0	0	0	0	0
314	314	Shell-Thin	1335	SLU-ENVE	Combination	Max	0	0	0	0	0
314	314	Shell-Thin	1314	SLU-ENVE	Combination	Max	0	0	0	0	0
314	314	Shell-Thin	1313	SLU-ENVE	Combination	Max	0	0	0	0	0
314	314	Shell-Thin	1334	SLU-ENVE	Combination	Min	0	0	0	0	0
314	314	Shell-Thin	1335	SLU-ENVE	Combination	Min	0	0	0	0	0
314	314	Shell-Thin	1314	SLU-ENVE	Combination	Min	0	0	0	0	0
314	314	Shell-Thin	1313	SLU-ENVE	Combination	Min	0	0	0	0	0
314	314	Shell-Thin	1334	SLE-ENVE	Combination	Max	0	0	0	0	0
314	314	Shell-Thin	1335	SLE-ENVE	Combination	Max	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
314	314	Shell-Thin	1314	SLE-ENVE	Combination	Max	0	0	0	0	0
314	314	Shell-Thin	1313	SLE-ENVE	Combination	Max	0	0	0	0	0
314	314	Shell-Thin	1334	SLE-ENVE	Combination	Min	0	0	0	0	0
314	314	Shell-Thin	1335	SLE-ENVE	Combination	Min	0	0	0	0	0
314	314	Shell-Thin	1314	SLE-ENVE	Combination	Min	0	0	0	0	0
314	314	Shell-Thin	1313	SLE-ENVE	Combination	Min	0	0	0	0	0
315	315	Shell-Thin	18	SLU-ENVE	Combination	Max	0	0	0	0	0
315	315	Shell-Thin	29	SLU-ENVE	Combination	Max	0	0	0	0	0
315	315	Shell-Thin	2065	SLU-ENVE	Combination	Max	0	0	0	0	0
315	315	Shell-Thin	999	SLU-ENVE	Combination	Max	0	0	0	0	0
315	315	Shell-Thin	18	SLU-ENVE	Combination	Min	0	0	0	0	0
315	315	Shell-Thin	29	SLU-ENVE	Combination	Min	0	0	0	0	0
315	315	Shell-Thin	2065	SLU-ENVE	Combination	Min	-	0	0	0	-1,53E-20
							1,487E-20				
315	315	Shell-Thin	999	SLU-ENVE	Combination	Min	-	0	0	0	-
							1,419E-20				1,436E-20
315	315	Shell-Thin	18	SLE-ENVE	Combination	Max	0	0	0	0	0
315	315	Shell-Thin	29	SLE-ENVE	Combination	Max	0	0	0	0	0
315	315	Shell-Thin	2065	SLE-ENVE	Combination	Max	0	0	0	0	0
315	315	Shell-Thin	999	SLE-ENVE	Combination	Max	0	0	0	0	0
315	315	Shell-Thin	18	SLE-ENVE	Combination	Min	0	0	0	0	0
315	315	Shell-Thin	29	SLE-ENVE	Combination	Min	0	0	0	0	0
315	315	Shell-Thin	2065	SLE-ENVE	Combination	Min	0	0	0	0	0
315	315	Shell-Thin	999	SLE-ENVE	Combination	Min	0	0	0	0	0
316	316	Shell-Thin	1168	SLU-ENVE	Combination	Max	0	0	0	0	0
316	316	Shell-Thin	1169	SLU-ENVE	Combination	Max	0	0	0	0	0
316	316	Shell-Thin	1107	SLU-ENVE	Combination	Max	1,858E-20	0	0	1,858E-20	0
316	316	Shell-Thin	1129	SLU-ENVE	Combination	Max	1,852E-20	0	0	1,865E-20	0
316	316	Shell-Thin	1168	SLU-ENVE	Combination	Min	0	0	0	0	0
316	316	Shell-Thin	1169	SLU-ENVE	Combination	Min	0	0	0	0	0
316	316	Shell-Thin	1107	SLU-ENVE	Combination	Min	-	0	0	0	-
							1,936E-20				1,942E-20
316	316	Shell-Thin	1129	SLU-ENVE	Combination	Min	-1,94E-20	0	0	0	-
											1,977E-20
316	316	Shell-Thin	1168	SLE-ENVE	Combination	Max	0	0	0	0	0
316	316	Shell-Thin	1169	SLE-ENVE	Combination	Max	0	0	0	0	0
316	316	Shell-Thin	1107	SLE-ENVE	Combination	Max	0	0	0	0	0
316	316	Shell-Thin	1129	SLE-ENVE	Combination	Max	0	0	0	0	0
316	316	Shell-Thin	1168	SLE-ENVE	Combination	Min	0	0	0	0	0
316	316	Shell-Thin	1169	SLE-ENVE	Combination	Min	0	0	0	0	0
316	316	Shell-Thin	1107	SLE-ENVE	Combination	Min	0	0	0	0	0
316	316	Shell-Thin	1129	SLE-ENVE	Combination	Min	0	0	0	0	-
											1,015E-20
330	330	Shell-Thin	2064	SLU-ENVE	Combination	Max	0	0	0	0	0
330	330	Shell-Thin	1319	SLU-ENVE	Combination	Max	0	0	0	0	0
330	330	Shell-Thin	21	SLU-ENVE	Combination	Max	0	0	0	0	0
330	330	Shell-Thin	29	SLU-ENVE	Combination	Max	0	0	0	0	0
330	330	Shell-Thin	2064	SLU-ENVE	Combination	Min	0	0	0	0	0



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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
330	330	Shell-Thin	1319	SLU-ENVE	Combination	Min	0	0	0	0	0
330	330	Shell-Thin	21	SLU-ENVE	Combination	Min	0	0	0	0	0
330	330	Shell-Thin	29	SLU-ENVE	Combination	Min	0	0	0	0	0
330	330	Shell-Thin	2064	SLE-ENVE	Combination	Max	0	0	0	0	0
330	330	Shell-Thin	1319	SLE-ENVE	Combination	Max	0	0	0	0	0
330	330	Shell-Thin	21	SLE-ENVE	Combination	Max	0	0	0	0	0
330	330	Shell-Thin	29	SLE-ENVE	Combination	Max	0	0	0	0	0
330	330	Shell-Thin	2064	SLE-ENVE	Combination	Min	0	0	0	0	0
330	330	Shell-Thin	1319	SLE-ENVE	Combination	Min	0	0	0	0	0
330	330	Shell-Thin	21	SLE-ENVE	Combination	Min	0	0	0	0	0
330	330	Shell-Thin	29	SLE-ENVE	Combination	Min	0	0	0	0	0
331	331	Shell-Thin	29	SLU-ENVE	Combination	Max	0	0	0	0	0
331	331	Shell-Thin	21	SLU-ENVE	Combination	Max	0	0	0	0	0
331	331	Shell-Thin	1174	SLU-ENVE	Combination	Max	0	0	0	0	0
331	331	Shell-Thin	2065	SLU-ENVE	Combination	Max	0	0	0	0	0
331	331	Shell-Thin	29	SLU-ENVE	Combination	Min	0	0	0	0	0
331	331	Shell-Thin	21	SLU-ENVE	Combination	Min	0	0	0	0	0
331	331	Shell-Thin	1174	SLU-ENVE	Combination	Min	-1,324E-20	0	0	0	-1,44E-20
331	331	Shell-Thin	2065	SLU-ENVE	Combination	Min	-1,342E-20	0	0	0	-1,41E-20
331	331	Shell-Thin	29	SLE-ENVE	Combination	Max	0	0	0	0	0
331	331	Shell-Thin	21	SLE-ENVE	Combination	Max	0	0	0	0	0
331	331	Shell-Thin	1174	SLE-ENVE	Combination	Max	0	0	0	0	0
331	331	Shell-Thin	2065	SLE-ENVE	Combination	Max	0	0	0	0	0
331	331	Shell-Thin	29	SLE-ENVE	Combination	Min	0	0	0	0	0
331	331	Shell-Thin	21	SLE-ENVE	Combination	Min	0	0	0	0	0
331	331	Shell-Thin	1174	SLE-ENVE	Combination	Min	0	0	0	0	0
331	331	Shell-Thin	2065	SLE-ENVE	Combination	Min	0	0	0	0	0
332	332	Shell-Thin	1317	SLU-ENVE	Combination	Max	0	0	0	0	0
332	332	Shell-Thin	2116	SLU-ENVE	Combination	Max	0	0	0	0	0
332	332	Shell-Thin	30	SLU-ENVE	Combination	Max	0	0	0	0	0
332	332	Shell-Thin	17	SLU-ENVE	Combination	Max	0	0	0	0	0
332	332	Shell-Thin	1317	SLU-ENVE	Combination	Min	0	0	0	0	0
332	332	Shell-Thin	2116	SLU-ENVE	Combination	Min	0	0	0	0	0
332	332	Shell-Thin	30	SLU-ENVE	Combination	Min	0	0	0	0	0
332	332	Shell-Thin	17	SLU-ENVE	Combination	Min	0	0	0	0	0
332	332	Shell-Thin	1317	SLE-ENVE	Combination	Max	0	0	0	0	0
332	332	Shell-Thin	2116	SLE-ENVE	Combination	Max	0	0	0	0	0
332	332	Shell-Thin	30	SLE-ENVE	Combination	Max	0	0	0	0	0
332	332	Shell-Thin	17	SLE-ENVE	Combination	Max	0	0	0	0	0
332	332	Shell-Thin	1317	SLE-ENVE	Combination	Min	0	0	0	0	0
332	332	Shell-Thin	2116	SLE-ENVE	Combination	Min	0	0	0	0	0
332	332	Shell-Thin	30	SLE-ENVE	Combination	Min	0	0	0	0	0
332	332	Shell-Thin	17	SLE-ENVE	Combination	Min	0	0	0	0	0
338	338	Shell-Thin	1377	SLU-ENVE	Combination	Max	0	0	0	0	0
338	338	Shell-Thin	1378	SLU-ENVE	Combination	Max	0	0	0	0	0
338	338	Shell-Thin	1357	SLU-ENVE	Combination	Max	0	0	0	0	0
338	338	Shell-Thin	1356	SLU-ENVE	Combination	Max	0	0	0	0	0
338	338	Shell-Thin	1377	SLU-ENVE	Combination	Min	0	0	0	0	0
338	338	Shell-Thin	1378	SLU-ENVE	Combination	Min	0	0	0	0	0
338	338	Shell-Thin	1357	SLU-ENVE	Combination	Min	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
338	338	Shell-Thin	1356	SLU-ENVE	Combination	Min	0	0	0	0	0
338	338	Shell-Thin	1377	SLE-ENVE	Combination	Max	0	0	0	0	0
338	338	Shell-Thin	1378	SLE-ENVE	Combination	Max	0	0	0	0	0
338	338	Shell-Thin	1357	SLE-ENVE	Combination	Max	0	0	0	0	0
338	338	Shell-Thin	1356	SLE-ENVE	Combination	Max	0	0	0	0	0
338	338	Shell-Thin	1377	SLE-ENVE	Combination	Min	0	0	0	0	0
338	338	Shell-Thin	1378	SLE-ENVE	Combination	Min	0	0	0	0	0
338	338	Shell-Thin	1357	SLE-ENVE	Combination	Min	0	0	0	0	0
338	338	Shell-Thin	1356	SLE-ENVE	Combination	Min	0	0	0	0	0
339	339	Shell-Thin	1356	SLU-ENVE	Combination	Max	0	0	0	0	0
339	339	Shell-Thin	1357	SLU-ENVE	Combination	Max	0	0	0	0	0
339	339	Shell-Thin	1336	SLU-ENVE	Combination	Max	0	0	0	0	0
339	339	Shell-Thin	1335	SLU-ENVE	Combination	Max	0	0	0	0	0
339	339	Shell-Thin	1356	SLU-ENVE	Combination	Min	0	0	0	0	0
339	339	Shell-Thin	1357	SLU-ENVE	Combination	Min	0	0	0	0	0
339	339	Shell-Thin	1336	SLU-ENVE	Combination	Min	0	0	0	0	0
339	339	Shell-Thin	1335	SLU-ENVE	Combination	Min	0	0	0	0	0
339	339	Shell-Thin	1356	SLE-ENVE	Combination	Max	0	0	0	0	0
339	339	Shell-Thin	1357	SLE-ENVE	Combination	Max	0	0	0	0	0
339	339	Shell-Thin	1336	SLE-ENVE	Combination	Max	0	0	0	0	0
339	339	Shell-Thin	1335	SLE-ENVE	Combination	Max	0	0	0	0	0
339	339	Shell-Thin	1356	SLE-ENVE	Combination	Min	0	0	0	0	0
339	339	Shell-Thin	1357	SLE-ENVE	Combination	Min	0	0	0	0	0
339	339	Shell-Thin	1336	SLE-ENVE	Combination	Min	0	0	0	0	0
339	339	Shell-Thin	1335	SLE-ENVE	Combination	Min	0	0	0	0	0
340	340	Shell-Thin	1335	SLU-ENVE	Combination	Max	0	0	0	0	0
340	340	Shell-Thin	1336	SLU-ENVE	Combination	Max	0	0	0	0	0
340	340	Shell-Thin	1315	SLU-ENVE	Combination	Max	0	0	0	0	0
340	340	Shell-Thin	1314	SLU-ENVE	Combination	Max	0	0	0	0	0
340	340	Shell-Thin	1335	SLU-ENVE	Combination	Min	0	0	0	0	0
340	340	Shell-Thin	1336	SLU-ENVE	Combination	Min	0	0	0	0	0
340	340	Shell-Thin	1315	SLU-ENVE	Combination	Min	0	0	0	0	0
340	340	Shell-Thin	1314	SLU-ENVE	Combination	Min	0	0	0	0	0
340	340	Shell-Thin	1335	SLE-ENVE	Combination	Max	0	0	0	0	0
340	340	Shell-Thin	1336	SLE-ENVE	Combination	Max	0	0	0	0	0
340	340	Shell-Thin	1315	SLE-ENVE	Combination	Max	0	0	0	0	0
340	340	Shell-Thin	1314	SLE-ENVE	Combination	Max	0	0	0	0	0
340	340	Shell-Thin	1335	SLE-ENVE	Combination	Min	0	0	0	0	0
340	340	Shell-Thin	1336	SLE-ENVE	Combination	Min	0	0	0	0	0
340	340	Shell-Thin	1315	SLE-ENVE	Combination	Min	0	0	0	0	0
340	340	Shell-Thin	1314	SLE-ENVE	Combination	Min	0	0	0	0	0
341	341	Shell-Thin	17	SLU-ENVE	Combination	Max	0	0	0	0	0
341	341	Shell-Thin	30	SLU-ENVE	Combination	Max	0	0	0	0	0
341	341	Shell-Thin	2118	SLU-ENVE	Combination	Max	0	0	0	0	0
341	341	Shell-Thin	1172	SLU-ENVE	Combination	Max	0	0	0	0	0
341	341	Shell-Thin	17	SLU-ENVE	Combination	Min	0	0	0	0	0
341	341	Shell-Thin	30	SLU-ENVE	Combination	Min	0	0	0	0	0
341	341	Shell-Thin	2118	SLU-ENVE	Combination	Min	0	0	0	0	0
341	341	Shell-Thin	1172	SLU-ENVE	Combination	Min	0	0	0	0	0
341	341	Shell-Thin	17	SLE-ENVE	Combination	Max	0	0	0	0	0
341	341	Shell-Thin	30	SLE-ENVE	Combination	Max	0	0	0	0	0
341	341	Shell-Thin	2118	SLE-ENVE	Combination	Max	0	0	0	0	0
341	341	Shell-Thin	1172	SLE-ENVE	Combination	Max	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
341	341	Shell-Thin	17	SLE-ENVE	Combination	Min	0	0	0	0	0
341	341	Shell-Thin	30	SLE-ENVE	Combination	Min	0	0	0	0	0
341	341	Shell-Thin	2118	SLE-ENVE	Combination	Min	0	0	0	0	0
341	341	Shell-Thin	1172	SLE-ENVE	Combination	Min	0	0	0	0	0
342	342	Shell-Thin	1169	SLU-ENVE	Combination	Max	0	0	0	0	0
342	342	Shell-Thin	1170	SLU-ENVE	Combination	Max	0	0	0	0	0
342	342	Shell-Thin	1125	SLU-ENVE	Combination	Max	1,984E-20	0	0	1,985E-20	0
342	342	Shell-Thin	1107	SLU-ENVE	Combination	Max	1,987E-20	0	0	1,988E-20	0
342	342	Shell-Thin	1169	SLU-ENVE	Combination	Min	0	0	0	0	0
342	342	Shell-Thin	1170	SLU-ENVE	Combination	Min	0	0	0	0	0
342	342	Shell-Thin	1125	SLU-ENVE	Combination	Min	-	0	0	0	-
							2,465E-20				2,466E-20
342	342	Shell-Thin	1107	SLU-ENVE	Combination	Min	-2,48E-20	0	0	0	-
											2,488E-20
342	342	Shell-Thin	1169	SLE-ENVE	Combination	Max	0	0	0	0	0
342	342	Shell-Thin	1170	SLE-ENVE	Combination	Max	0	0	0	0	0
342	342	Shell-Thin	1125	SLE-ENVE	Combination	Max	0	0	0	0	0
342	342	Shell-Thin	1107	SLE-ENVE	Combination	Max	0	0	0	0	0
342	342	Shell-Thin	1169	SLE-ENVE	Combination	Min	0	0	0	0	0
342	342	Shell-Thin	1170	SLE-ENVE	Combination	Min	0	0	0	0	0
342	342	Shell-Thin	1125	SLE-ENVE	Combination	Min	-1,31E-20	0	0	0	-1,31E-20
342	342	Shell-Thin	1107	SLE-ENVE	Combination	Min	-	0	0	0	-
							1,319E-20				1,324E-20
356	356	Shell-Thin	2116	SLU-ENVE	Combination	Max	0	0	0	0	0
356	356	Shell-Thin	2117	SLU-ENVE	Combination	Max	0	0	0	0	0
356	356	Shell-Thin	31	SLU-ENVE	Combination	Max	0	0	0	0	0
356	356	Shell-Thin	30	SLU-ENVE	Combination	Max	0	0	0	0	0
356	356	Shell-Thin	2116	SLU-ENVE	Combination	Min	0	0	0	0	0
356	356	Shell-Thin	2117	SLU-ENVE	Combination	Min	0	0	0	0	0
356	356	Shell-Thin	31	SLU-ENVE	Combination	Min	0	0	0	0	0
356	356	Shell-Thin	30	SLU-ENVE	Combination	Min	0	0	0	0	0
356	356	Shell-Thin	2116	SLE-ENVE	Combination	Max	0	0	0	0	0
356	356	Shell-Thin	2117	SLE-ENVE	Combination	Max	0	0	0	0	0
356	356	Shell-Thin	31	SLE-ENVE	Combination	Max	0	0	0	0	0
356	356	Shell-Thin	30	SLE-ENVE	Combination	Max	0	0	0	0	0
356	356	Shell-Thin	2116	SLE-ENVE	Combination	Min	0	0	0	0	0
356	356	Shell-Thin	2117	SLE-ENVE	Combination	Min	0	0	0	0	0
356	356	Shell-Thin	31	SLE-ENVE	Combination	Min	0	0	0	0	0
356	356	Shell-Thin	30	SLE-ENVE	Combination	Min	0	0	0	0	0
357	357	Shell-Thin	30	SLU-ENVE	Combination	Max	0	0	0	0	0
357	357	Shell-Thin	31	SLU-ENVE	Combination	Max	0	0	0	0	0
357	357	Shell-Thin	2119	SLU-ENVE	Combination	Max	0	0	0	0	0
357	357	Shell-Thin	2118	SLU-ENVE	Combination	Max	0	0	0	0	0
357	357	Shell-Thin	30	SLU-ENVE	Combination	Min	0	0	0	0	0
357	357	Shell-Thin	31	SLU-ENVE	Combination	Min	0	0	0	0	0
357	357	Shell-Thin	2119	SLU-ENVE	Combination	Min	0	0	0	0	0
357	357	Shell-Thin	2118	SLU-ENVE	Combination	Min	0	0	0	0	0
357	357	Shell-Thin	30	SLE-ENVE	Combination	Max	0	0	0	0	0

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**Table: Element Forces - Area Shells, Part 1 of 3**

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
357	357	Shell-Thin	31	SLE-ENVE	Combination	Max	0	0	0	0	0
357	357	Shell-Thin	2119	SLE-ENVE	Combination	Max	0	0	0	0	0
357	357	Shell-Thin	2118	SLE-ENVE	Combination	Max	0	0	0	0	0
357	357	Shell-Thin	30	SLE-ENVE	Combination	Min	0	0	0	0	0
357	357	Shell-Thin	31	SLE-ENVE	Combination	Min	0	0	0	0	0
357	357	Shell-Thin	2119	SLE-ENVE	Combination	Min	0	0	0	0	0
357	357	Shell-Thin	2118	SLE-ENVE	Combination	Min	0	0	0	0	0
358	358	Shell-Thin	2117	SLU-ENVE	Combination	Max	0	0	0	0	0
358	358	Shell-Thin	1318	SLU-ENVE	Combination	Max	0	0	0	0	0
358	358	Shell-Thin	19	SLU-ENVE	Combination	Max	0	0	0	0	0
358	358	Shell-Thin	31	SLU-ENVE	Combination	Max	0	0	0	0	0
358	358	Shell-Thin	2117	SLU-ENVE	Combination	Min	0	0	0	0	0
358	358	Shell-Thin	1318	SLU-ENVE	Combination	Min	0	0	0	0	0
358	358	Shell-Thin	19	SLU-ENVE	Combination	Min	0	0	0	0	0
358	358	Shell-Thin	31	SLU-ENVE	Combination	Min	0	0	0	0	0
358	358	Shell-Thin	2117	SLE-ENVE	Combination	Max	0	0	0	0	0
358	358	Shell-Thin	1318	SLE-ENVE	Combination	Max	0	0	0	0	0
358	358	Shell-Thin	19	SLE-ENVE	Combination	Max	0	0	0	0	0
358	358	Shell-Thin	31	SLE-ENVE	Combination	Max	0	0	0	0	0
358	358	Shell-Thin	2117	SLE-ENVE	Combination	Min	0	0	0	0	0
358	358	Shell-Thin	1318	SLE-ENVE	Combination	Min	0	0	0	0	0
358	358	Shell-Thin	19	SLE-ENVE	Combination	Min	0	0	0	0	0
358	358	Shell-Thin	31	SLE-ENVE	Combination	Min	0	0	0	0	0
364	364	Shell-Thin	1378	SLU-ENVE	Combination	Max	0	0	0	0	0
364	364	Shell-Thin	1379	SLU-ENVE	Combination	Max	0	0	0	0	0
364	364	Shell-Thin	1358	SLU-ENVE	Combination	Max	0	0	0	0	0
364	364	Shell-Thin	1357	SLU-ENVE	Combination	Max	0	0	0	0	0
364	364	Shell-Thin	1378	SLU-ENVE	Combination	Min	0	0	0	0	0
364	364	Shell-Thin	1379	SLU-ENVE	Combination	Min	0	0	0	0	0
364	364	Shell-Thin	1358	SLU-ENVE	Combination	Min	0	0	0	0	0
364	364	Shell-Thin	1357	SLU-ENVE	Combination	Min	0	0	0	0	0
364	364	Shell-Thin	1378	SLE-ENVE	Combination	Max	0	0	0	0	0
364	364	Shell-Thin	1379	SLE-ENVE	Combination	Max	0	0	0	0	0
364	364	Shell-Thin	1358	SLE-ENVE	Combination	Max	0	0	0	0	0
364	364	Shell-Thin	1357	SLE-ENVE	Combination	Max	0	0	0	0	0
364	364	Shell-Thin	1378	SLE-ENVE	Combination	Min	0	0	0	0	0
364	364	Shell-Thin	1379	SLE-ENVE	Combination	Min	0	0	0	0	0
364	364	Shell-Thin	1358	SLE-ENVE	Combination	Min	0	0	0	0	0
364	364	Shell-Thin	1357	SLE-ENVE	Combination	Min	0	0	0	0	0
365	365	Shell-Thin	1357	SLU-ENVE	Combination	Max	0	0	0	0	0
365	365	Shell-Thin	1358	SLU-ENVE	Combination	Max	0	0	0	0	0
365	365	Shell-Thin	1337	SLU-ENVE	Combination	Max	0	0	0	0	0
365	365	Shell-Thin	1336	SLU-ENVE	Combination	Max	0	0	0	0	0
365	365	Shell-Thin	1357	SLU-ENVE	Combination	Min	0	0	0	0	0
365	365	Shell-Thin	1358	SLU-ENVE	Combination	Min	0	0	0	0	0
365	365	Shell-Thin	1337	SLU-ENVE	Combination	Min	0	0	0	0	0
365	365	Shell-Thin	1336	SLU-ENVE	Combination	Min	0	0	0	0	0
365	365	Shell-Thin	1357	SLE-ENVE	Combination	Max	0	0	0	0	0
365	365	Shell-Thin	1358	SLE-ENVE	Combination	Max	0	0	0	0	0
365	365	Shell-Thin	1337	SLE-ENVE	Combination	Max	0	0	0	0	0
365	365	Shell-Thin	1336	SLE-ENVE	Combination	Max	0	0	0	0	0
365	365	Shell-Thin	1357	SLE-ENVE	Combination	Min	0	0	0	0	0
365	365	Shell-Thin	1358	SLE-ENVE	Combination	Min	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
365	365	Shell-Thin	1337	SLE-ENVE	Combination	Min	0	0	0	0	0
365	365	Shell-Thin	1336	SLE-ENVE	Combination	Min	0	0	0	0	0
366	366	Shell-Thin	1336	SLU-ENVE	Combination	Max	0	0	0	0	0
366	366	Shell-Thin	1337	SLU-ENVE	Combination	Max	0	0	0	0	0
366	366	Shell-Thin	1316	SLU-ENVE	Combination	Max	0	0	0	0	0
366	366	Shell-Thin	1315	SLU-ENVE	Combination	Max	0	0	0	0	0
366	366	Shell-Thin	1336	SLU-ENVE	Combination	Min	0	0	0	0	0
366	366	Shell-Thin	1337	SLU-ENVE	Combination	Min	0	0	0	0	0
366	366	Shell-Thin	1316	SLU-ENVE	Combination	Min	0	0	0	0	0
366	366	Shell-Thin	1315	SLU-ENVE	Combination	Min	0	0	0	0	0
366	366	Shell-Thin	1336	SLE-ENVE	Combination	Max	0	0	0	0	0
366	366	Shell-Thin	1337	SLE-ENVE	Combination	Max	0	0	0	0	0
366	366	Shell-Thin	1316	SLE-ENVE	Combination	Max	0	0	0	0	0
366	366	Shell-Thin	1315	SLE-ENVE	Combination	Max	0	0	0	0	0
366	366	Shell-Thin	1336	SLE-ENVE	Combination	Min	0	0	0	0	0
366	366	Shell-Thin	1337	SLE-ENVE	Combination	Min	0	0	0	0	0
366	366	Shell-Thin	1316	SLE-ENVE	Combination	Min	0	0	0	0	0
366	366	Shell-Thin	1315	SLE-ENVE	Combination	Min	0	0	0	0	0
367	367	Shell-Thin	31	SLU-ENVE	Combination	Max	0	0	0	0	0
367	367	Shell-Thin	19	SLU-ENVE	Combination	Max	0	0	0	0	0
367	367	Shell-Thin	1173	SLU-ENVE	Combination	Max	0	0	0	0	0
367	367	Shell-Thin	2119	SLU-ENVE	Combination	Max	0	0	0	0	0
367	367	Shell-Thin	31	SLU-ENVE	Combination	Min	0	0	0	0	0
367	367	Shell-Thin	19	SLU-ENVE	Combination	Min	0	0	0	0	0
367	367	Shell-Thin	1173	SLU-ENVE	Combination	Min	0	0	0	0	0
367	367	Shell-Thin	2119	SLU-ENVE	Combination	Min	0	0	0	0	0
367	367	Shell-Thin	31	SLE-ENVE	Combination	Max	0	0	0	0	0
367	367	Shell-Thin	19	SLE-ENVE	Combination	Max	0	0	0	0	0
367	367	Shell-Thin	1173	SLE-ENVE	Combination	Max	0	0	0	0	0
367	367	Shell-Thin	2119	SLE-ENVE	Combination	Max	0	0	0	0	0
367	367	Shell-Thin	31	SLE-ENVE	Combination	Min	0	0	0	0	0
367	367	Shell-Thin	19	SLE-ENVE	Combination	Min	0	0	0	0	0
367	367	Shell-Thin	1173	SLE-ENVE	Combination	Min	0	0	0	0	0
367	367	Shell-Thin	2119	SLE-ENVE	Combination	Min	0	0	0	0	0
368	368	Shell-Thin	1170	SLU-ENVE	Combination	Max	0	0	0	0	0
368	368	Shell-Thin	1171	SLU-ENVE	Combination	Max	0	0	0	0	0
368	368	Shell-Thin	1105	SLU-ENVE	Combination	Max	2,048E-20	0	0	2,062E-20	0
368	368	Shell-Thin	1125	SLU-ENVE	Combination	Max	2,053E-20	0	0	2,058E-20	0
368	368	Shell-Thin	1170	SLU-ENVE	Combination	Min	0	0	0	0	0
368	368	Shell-Thin	1171	SLU-ENVE	Combination	Min	0	0	0	0	0
368	368	Shell-Thin	1105	SLU-ENVE	Combination	Min	-	0	0	0	-
368	368	Shell-Thin	1125	SLU-ENVE	Combination	Min	2,215E-20				2,215E-20
368	368	Shell-Thin	1125	SLU-ENVE	Combination	Min	-	0	0	0	-
368	368	Shell-Thin	1170	SLE-ENVE	Combination	Max	0	0	0	0	0
368	368	Shell-Thin	1171	SLE-ENVE	Combination	Max	0	0	0	0	0
368	368	Shell-Thin	1105	SLE-ENVE	Combination	Max	1,015E-20	0	0	1,022E-20	0
368	368	Shell-Thin	1125	SLE-ENVE	Combination	Max	1,018E-20	0	0	1,02E-20	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
368	368	Shell-Thin	1170	SLE-ENVE	Combination	Min	0	0	0	0	0
368	368	Shell-Thin	1171	SLE-ENVE	Combination	Min	0	0	0	0	0
368	368	Shell-Thin	1105	SLE-ENVE	Combination	Min	-	0	0	0	-
							1,194E-20				1,194E-20
368	368	Shell-Thin	1125	SLE-ENVE	Combination	Min	-	0	0	0	-
							1,188E-20				1,189E-20
390	390	Shell-Thin	1379	SLU-ENVE	Combination	Max	0	0	0	0	0
390	390	Shell-Thin	1380	SLU-ENVE	Combination	Max	0	0	0	0	0
390	390	Shell-Thin	1359	SLU-ENVE	Combination	Max	0	0	0	0	0
390	390	Shell-Thin	1358	SLU-ENVE	Combination	Max	0	0	0	0	0
390	390	Shell-Thin	1379	SLU-ENVE	Combination	Min	0	0	0	0	0
390	390	Shell-Thin	1380	SLU-ENVE	Combination	Min	0	0	0	0	0
390	390	Shell-Thin	1359	SLU-ENVE	Combination	Min	0	0	0	0	0
390	390	Shell-Thin	1358	SLU-ENVE	Combination	Min	0	0	0	0	0
390	390	Shell-Thin	1379	SLE-ENVE	Combination	Max	0	0	0	0	0
390	390	Shell-Thin	1380	SLE-ENVE	Combination	Max	0	0	0	0	0
390	390	Shell-Thin	1359	SLE-ENVE	Combination	Max	0	0	0	0	0
390	390	Shell-Thin	1358	SLE-ENVE	Combination	Max	0	0	0	0	0
390	390	Shell-Thin	1379	SLE-ENVE	Combination	Min	0	0	0	0	0
390	390	Shell-Thin	1380	SLE-ENVE	Combination	Min	0	0	0	0	0
390	390	Shell-Thin	1359	SLE-ENVE	Combination	Min	0	0	0	0	0
390	390	Shell-Thin	1358	SLE-ENVE	Combination	Min	0	0	0	0	0
391	391	Shell-Thin	1358	SLU-ENVE	Combination	Max	0	0	0	0	0
391	391	Shell-Thin	1359	SLU-ENVE	Combination	Max	0	0	0	0	0
391	391	Shell-Thin	1338	SLU-ENVE	Combination	Max	0	0	0	0	0
391	391	Shell-Thin	1337	SLU-ENVE	Combination	Max	0	0	0	0	0
391	391	Shell-Thin	1358	SLU-ENVE	Combination	Min	0	0	0	0	0
391	391	Shell-Thin	1359	SLU-ENVE	Combination	Min	0	0	0	0	0
391	391	Shell-Thin	1338	SLU-ENVE	Combination	Min	0	0	0	0	0
391	391	Shell-Thin	1337	SLU-ENVE	Combination	Min	0	0	0	0	0
391	391	Shell-Thin	1358	SLE-ENVE	Combination	Max	0	0	0	0	0
391	391	Shell-Thin	1359	SLE-ENVE	Combination	Max	0	0	0	0	0
391	391	Shell-Thin	1338	SLE-ENVE	Combination	Max	0	0	0	0	0
391	391	Shell-Thin	1337	SLE-ENVE	Combination	Max	0	0	0	0	0
391	391	Shell-Thin	1358	SLE-ENVE	Combination	Min	0	0	0	0	0
391	391	Shell-Thin	1359	SLE-ENVE	Combination	Min	0	0	0	0	0
391	391	Shell-Thin	1338	SLE-ENVE	Combination	Min	0	0	0	0	0
391	391	Shell-Thin	1337	SLE-ENVE	Combination	Min	0	0	0	0	0
392	392	Shell-Thin	1337	SLU-ENVE	Combination	Max	0	0	0	0	0
392	392	Shell-Thin	1338	SLU-ENVE	Combination	Max	0	0	0	0	0
392	392	Shell-Thin	1317	SLU-ENVE	Combination	Max	0	0	0	0	0
392	392	Shell-Thin	1316	SLU-ENVE	Combination	Max	0	0	0	0	0
392	392	Shell-Thin	1337	SLU-ENVE	Combination	Min	0	0	0	0	0
392	392	Shell-Thin	1338	SLU-ENVE	Combination	Min	0	0	0	0	0
392	392	Shell-Thin	1317	SLU-ENVE	Combination	Min	0	0	0	0	0
392	392	Shell-Thin	1316	SLU-ENVE	Combination	Min	0	0	0	0	0
392	392	Shell-Thin	1337	SLE-ENVE	Combination	Max	0	0	0	0	0
392	392	Shell-Thin	1338	SLE-ENVE	Combination	Max	0	0	0	0	0
392	392	Shell-Thin	1317	SLE-ENVE	Combination	Max	0	0	0	0	0
392	392	Shell-Thin	1316	SLE-ENVE	Combination	Max	0	0	0	0	0
392	392	Shell-Thin	1337	SLE-ENVE	Combination	Min	0	0	0	0	0
392	392	Shell-Thin	1338	SLE-ENVE	Combination	Min	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
392	392	Shell-Thin	1317	SLE-ENVE	Combination	Min	0	0	0	0	0
392	392	Shell-Thin	1316	SLE-ENVE	Combination	Min	0	0	0	0	0
394	394	Shell-Thin	1171	SLU-ENVE	Combination	Max	0	0	0	0	0
394	394	Shell-Thin	1172	SLU-ENVE	Combination	Max	0	0	0	0	0
394	394	Shell-Thin	1127	SLU-ENVE	Combination	Max	2,034E-20	0	0	2,062E-20	0
394	394	Shell-Thin	1105	SLU-ENVE	Combination	Max	2,033E-20	0	0	2,082E-20	0
394	394	Shell-Thin	1171	SLU-ENVE	Combination	Min	0	0	0	0	0
394	394	Shell-Thin	1172	SLU-ENVE	Combination	Min	0	0	0	0	0
394	394	Shell-Thin	1127	SLU-ENVE	Combination	Min	-	0	0	0	-
							1,327E-20				1,328E-20
394	394	Shell-Thin	1105	SLU-ENVE	Combination	Min	-	0	0	0	-
							1,312E-20				1,312E-20
394	394	Shell-Thin	1171	SLE-ENVE	Combination	Max	0	0	0	0	0
394	394	Shell-Thin	1172	SLE-ENVE	Combination	Max	0	0	0	0	0
394	394	Shell-Thin	1127	SLE-ENVE	Combination	Max	1,017E-20	0	0	1,034E-20	0
394	394	Shell-Thin	1105	SLE-ENVE	Combination	Max	1,017E-20	0	0	1,046E-20	0
394	394	Shell-Thin	1171	SLE-ENVE	Combination	Min	0	0	0	0	0
394	394	Shell-Thin	1172	SLE-ENVE	Combination	Min	0	0	0	0	0
394	394	Shell-Thin	1127	SLE-ENVE	Combination	Min	0	0	0	0	0
394	394	Shell-Thin	1105	SLE-ENVE	Combination	Min	0	0	0	0	0
442	442	Shell-Thin	1381	SLU-ENVE	Combination	Max	0	0	0	0	0
442	442	Shell-Thin	1003	SLU-ENVE	Combination	Max	0	0	0	0	0
442	442	Shell-Thin	1002	SLU-ENVE	Combination	Max	0	0	0	0	0
442	442	Shell-Thin	1360	SLU-ENVE	Combination	Max	0	0	0	0	0
442	442	Shell-Thin	1381	SLU-ENVE	Combination	Min	0	0	0	0	0
442	442	Shell-Thin	1003	SLU-ENVE	Combination	Min	0	0	0	0	0
442	442	Shell-Thin	1002	SLU-ENVE	Combination	Min	0	0	0	0	0
442	442	Shell-Thin	1360	SLU-ENVE	Combination	Min	0	0	0	0	0
442	442	Shell-Thin	1381	SLE-ENVE	Combination	Max	0	0	0	0	0
442	442	Shell-Thin	1003	SLE-ENVE	Combination	Max	0	0	0	0	0
442	442	Shell-Thin	1002	SLE-ENVE	Combination	Max	0	0	0	0	0
442	442	Shell-Thin	1360	SLE-ENVE	Combination	Max	0	0	0	0	0
442	442	Shell-Thin	1381	SLE-ENVE	Combination	Min	0	0	0	0	0
442	442	Shell-Thin	1003	SLE-ENVE	Combination	Min	0	0	0	0	0
442	442	Shell-Thin	1002	SLE-ENVE	Combination	Min	0	0	0	0	0
442	442	Shell-Thin	1360	SLE-ENVE	Combination	Min	0	0	0	0	0
443	443	Shell-Thin	1360	SLU-ENVE	Combination	Max	0	0	0	0	0
443	443	Shell-Thin	1002	SLU-ENVE	Combination	Max	0	0	0	0	0
443	443	Shell-Thin	1001	SLU-ENVE	Combination	Max	0	0	0	0	0
443	443	Shell-Thin	1339	SLU-ENVE	Combination	Max	0	0	0	0	0
443	443	Shell-Thin	1360	SLU-ENVE	Combination	Min	0	0	0	0	0
443	443	Shell-Thin	1002	SLU-ENVE	Combination	Min	0	0	0	0	0
443	443	Shell-Thin	1001	SLU-ENVE	Combination	Min	0	0	0	0	0
443	443	Shell-Thin	1339	SLU-ENVE	Combination	Min	0	0	0	0	0
443	443	Shell-Thin	1360	SLE-ENVE	Combination	Max	0	0	0	0	0
443	443	Shell-Thin	1002	SLE-ENVE	Combination	Max	0	0	0	0	0
443	443	Shell-Thin	1001	SLE-ENVE	Combination	Max	0	0	0	0	0
443	443	Shell-Thin	1339	SLE-ENVE	Combination	Max	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
443	443	Shell-Thin	1360	SLE-ENVE	Combination	Min	0	0	0	0	0
443	443	Shell-Thin	1002	SLE-ENVE	Combination	Min	0	0	0	0	0
443	443	Shell-Thin	1001	SLE-ENVE	Combination	Min	0	0	0	0	0
443	443	Shell-Thin	1339	SLE-ENVE	Combination	Min	0	0	0	0	0
444	444	Shell-Thin	1339	SLU-ENVE	Combination	Max	0	0	0	0	0
444	444	Shell-Thin	1001	SLU-ENVE	Combination	Max	0	0	0	0	0
444	444	Shell-Thin	1000	SLU-ENVE	Combination	Max	0	0	0	0	0
444	444	Shell-Thin	1318	SLU-ENVE	Combination	Max	0	0	0	0	0
444	444	Shell-Thin	1339	SLU-ENVE	Combination	Min	0	0	0	0	0
444	444	Shell-Thin	1001	SLU-ENVE	Combination	Min	0	0	0	0	0
444	444	Shell-Thin	1000	SLU-ENVE	Combination	Min	0	0	0	0	0
444	444	Shell-Thin	1318	SLU-ENVE	Combination	Min	0	0	0	0	0
444	444	Shell-Thin	1339	SLE-ENVE	Combination	Max	0	0	0	0	0
444	444	Shell-Thin	1001	SLE-ENVE	Combination	Max	0	0	0	0	0
444	444	Shell-Thin	1000	SLE-ENVE	Combination	Max	0	0	0	0	0
444	444	Shell-Thin	1318	SLE-ENVE	Combination	Max	0	0	0	0	0
444	444	Shell-Thin	1339	SLE-ENVE	Combination	Min	0	0	0	0	0
444	444	Shell-Thin	1001	SLE-ENVE	Combination	Min	0	0	0	0	0
444	444	Shell-Thin	1000	SLE-ENVE	Combination	Min	0	0	0	0	0
444	444	Shell-Thin	1318	SLE-ENVE	Combination	Min	0	0	0	0	0
446	446	Shell-Thin	1173	SLU-ENVE	Combination	Max	0	0	0	0	0
446	446	Shell-Thin	999	SLU-ENVE	Combination	Max	0	0	0	0	0
446	446	Shell-Thin	902	SLU-ENVE	Combination	Max	1,696E-20	0	0	1,713E-20	0
446	446	Shell-Thin	1113	SLU-ENVE	Combination	Max	1,655E-20	0	0	1,681E-20	0
446	446	Shell-Thin	1173	SLU-ENVE	Combination	Min	0	0	0	0	0
446	446	Shell-Thin	999	SLU-ENVE	Combination	Min	0	0	0	0	0
446	446	Shell-Thin	902	SLU-ENVE	Combination	Min	0	0	0	0	0
446	446	Shell-Thin	1113	SLU-ENVE	Combination	Min	0	0	0	0	0
446	446	Shell-Thin	1173	SLE-ENVE	Combination	Max	0	0	0	0	0
446	446	Shell-Thin	999	SLE-ENVE	Combination	Max	0	0	0	0	0
446	446	Shell-Thin	902	SLE-ENVE	Combination	Max	0	0	0	0	0
446	446	Shell-Thin	1113	SLE-ENVE	Combination	Max	0	0	0	0	0
446	446	Shell-Thin	1173	SLE-ENVE	Combination	Min	0	0	0	0	0
446	446	Shell-Thin	999	SLE-ENVE	Combination	Min	0	0	0	0	0
446	446	Shell-Thin	902	SLE-ENVE	Combination	Min	0	0	0	0	0
446	446	Shell-Thin	1113	SLE-ENVE	Combination	Min	0	0	0	0	0
494	494	Shell-Thin	1382	SLU-ENVE	Combination	Max	0	0	0	0	0
494	494	Shell-Thin	1383	SLU-ENVE	Combination	Max	0	0	0	0	0
494	494	Shell-Thin	1362	SLU-ENVE	Combination	Max	0	0	0	0	0
494	494	Shell-Thin	1361	SLU-ENVE	Combination	Max	0	0	0	0	0
494	494	Shell-Thin	1382	SLU-ENVE	Combination	Min	0	0	0	0	0
494	494	Shell-Thin	1383	SLU-ENVE	Combination	Min	0	0	0	0	0
494	494	Shell-Thin	1362	SLU-ENVE	Combination	Min	0	0	0	0	0
494	494	Shell-Thin	1361	SLU-ENVE	Combination	Min	0	0	0	0	0
494	494	Shell-Thin	1382	SLE-ENVE	Combination	Max	0	0	0	0	0
494	494	Shell-Thin	1383	SLE-ENVE	Combination	Max	0	0	0	0	0
494	494	Shell-Thin	1362	SLE-ENVE	Combination	Max	0	0	0	0	0
494	494	Shell-Thin	1361	SLE-ENVE	Combination	Max	0	0	0	0	0
494	494	Shell-Thin	1382	SLE-ENVE	Combination	Min	0	0	0	0	0
494	494	Shell-Thin	1383	SLE-ENVE	Combination	Min	0	0	0	0	0
494	494	Shell-Thin	1362	SLE-ENVE	Combination	Min	0	0	0	0	0



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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
494	494	Shell-Thin	1361	SLE-ENVE	Combination	Min	0	0	0	0	0
495	495	Shell-Thin	1361	SLU-ENVE	Combination	Max	0	0	0	0	0
495	495	Shell-Thin	1362	SLU-ENVE	Combination	Max	0	0	0	0	0
495	495	Shell-Thin	1341	SLU-ENVE	Combination	Max	0	0	0	0	0
495	495	Shell-Thin	1340	SLU-ENVE	Combination	Max	0	0	0	0	0
495	495	Shell-Thin	1361	SLU-ENVE	Combination	Min	0	0	0	0	0
495	495	Shell-Thin	1362	SLU-ENVE	Combination	Min	0	0	0	0	0
495	495	Shell-Thin	1341	SLU-ENVE	Combination	Min	0	0	0	0	0
495	495	Shell-Thin	1340	SLU-ENVE	Combination	Min	0	0	0	0	0
495	495	Shell-Thin	1361	SLE-ENVE	Combination	Max	0	0	0	0	0
495	495	Shell-Thin	1362	SLE-ENVE	Combination	Max	0	0	0	0	0
495	495	Shell-Thin	1341	SLE-ENVE	Combination	Max	0	0	0	0	0
495	495	Shell-Thin	1340	SLE-ENVE	Combination	Max	0	0	0	0	0
495	495	Shell-Thin	1361	SLE-ENVE	Combination	Min	0	0	0	0	0
495	495	Shell-Thin	1362	SLE-ENVE	Combination	Min	0	0	0	0	0
495	495	Shell-Thin	1341	SLE-ENVE	Combination	Min	0	0	0	0	0
495	495	Shell-Thin	1340	SLE-ENVE	Combination	Min	0	0	0	0	0
496	496	Shell-Thin	1340	SLU-ENVE	Combination	Max	0	0	0	0	0
496	496	Shell-Thin	1341	SLU-ENVE	Combination	Max	0	0	0	0	0
496	496	Shell-Thin	1320	SLU-ENVE	Combination	Max	0	0	0	0	0
496	496	Shell-Thin	1319	SLU-ENVE	Combination	Max	0	0	0	0	0
496	496	Shell-Thin	1340	SLU-ENVE	Combination	Min	0	0	0	0	0
496	496	Shell-Thin	1341	SLU-ENVE	Combination	Min	0	0	0	0	0
496	496	Shell-Thin	1320	SLU-ENVE	Combination	Min	0	0	0	0	0
496	496	Shell-Thin	1319	SLU-ENVE	Combination	Min	0	0	0	0	0
496	496	Shell-Thin	1340	SLE-ENVE	Combination	Max	0	0	0	0	0
496	496	Shell-Thin	1341	SLE-ENVE	Combination	Max	0	0	0	0	0
496	496	Shell-Thin	1320	SLE-ENVE	Combination	Max	0	0	0	0	0
496	496	Shell-Thin	1319	SLE-ENVE	Combination	Max	0	0	0	0	0
496	496	Shell-Thin	1340	SLE-ENVE	Combination	Min	0	0	0	0	0
496	496	Shell-Thin	1341	SLE-ENVE	Combination	Min	0	0	0	0	0
496	496	Shell-Thin	1320	SLE-ENVE	Combination	Min	0	0	0	0	0
496	496	Shell-Thin	1319	SLE-ENVE	Combination	Min	0	0	0	0	0
498	498	Shell-Thin	1174	SLU-ENVE	Combination	Max	0	0	0	0	0
498	498	Shell-Thin	1175	SLU-ENVE	Combination	Max	0	0	0	0	0
498	498	Shell-Thin	1103	SLU-ENVE	Combination	Max	-	0	0	0	-
							1,822E-20				1,928E-20
498	498	Shell-Thin	1123	SLU-ENVE	Combination	Max	-	0	0	0	-
							1,832E-20				1,866E-20
498	498	Shell-Thin	1174	SLU-ENVE	Combination	Min	0	0	0	0	-
											1,076E-20
498	498	Shell-Thin	1175	SLU-ENVE	Combination	Min	0	0	0	0	-
											1,197E-20
498	498	Shell-Thin	1103	SLU-ENVE	Combination	Min	-	0	0	0	-
							3,508E-20				3,595E-20
498	498	Shell-Thin	1123	SLU-ENVE	Combination	Min	-3,52E-20	0	0	0	-3,55E-20
498	498	Shell-Thin	1174	SLE-ENVE	Combination	Max	0	0	0	0	0
498	498	Shell-Thin	1175	SLE-ENVE	Combination	Max	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11 KN/m	F22 KN/m	F12 KN/m	FMax KN/m	FMin KN/m
498	498	Shell-Thin	1103	SLE-ENVE	Combination	Max	- 1,014E- 20	0	0	0	- 1,071E- 20
498	498	Shell-Thin	1123	SLE-ENVE	Combination	Max	- 1,019E- 20	0	0	0	- 1,037E- 20
498	498	Shell-Thin	1174	SLE-ENVE	Combination	Min	0	0	0	0	0
498	498	Shell-Thin	1175	SLE-ENVE	Combination	Min	0	0	0	0	0
498	498	Shell-Thin	1103	SLE-ENVE	Combination	Min	- 1,824E- 20	0	0	0	- 1,872E- 20
498	498	Shell-Thin	1123	SLE-ENVE	Combination	Min	-1,83E- 20	0	0	0	- 1,846E- 20
520	520	Shell-Thin	1383	SLU-ENVE	Combination	Max	0	0	0	0	0
520	520	Shell-Thin	1384	SLU-ENVE	Combination	Max	0	0	0	0	0
520	520	Shell-Thin	1363	SLU-ENVE	Combination	Max	0	0	0	0	0
520	520	Shell-Thin	1362	SLU-ENVE	Combination	Max	0	0	0	0	0
520	520	Shell-Thin	1383	SLU-ENVE	Combination	Min	0	0	0	0	0
520	520	Shell-Thin	1384	SLU-ENVE	Combination	Min	0	0	0	0	0
520	520	Shell-Thin	1363	SLU-ENVE	Combination	Min	0	0	0	0	0
520	520	Shell-Thin	1362	SLU-ENVE	Combination	Min	0	0	0	0	0
520	520	Shell-Thin	1383	SLE-ENVE	Combination	Max	0	0	0	0	0
520	520	Shell-Thin	1384	SLE-ENVE	Combination	Max	0	0	0	0	0
520	520	Shell-Thin	1363	SLE-ENVE	Combination	Max	0	0	0	0	0
520	520	Shell-Thin	1362	SLE-ENVE	Combination	Max	0	0	0	0	0
520	520	Shell-Thin	1383	SLE-ENVE	Combination	Min	0	0	0	0	0
520	520	Shell-Thin	1384	SLE-ENVE	Combination	Min	0	0	0	0	0
520	520	Shell-Thin	1363	SLE-ENVE	Combination	Min	0	0	0	0	0
520	520	Shell-Thin	1362	SLE-ENVE	Combination	Min	0	0	0	0	0
521	521	Shell-Thin	1362	SLU-ENVE	Combination	Max	0	0	0	0	0
521	521	Shell-Thin	1363	SLU-ENVE	Combination	Max	0	0	0	0	0
521	521	Shell-Thin	1342	SLU-ENVE	Combination	Max	0	0	0	0	0
521	521	Shell-Thin	1341	SLU-ENVE	Combination	Max	0	0	0	0	0
521	521	Shell-Thin	1362	SLU-ENVE	Combination	Min	0	0	0	0	0
521	521	Shell-Thin	1363	SLU-ENVE	Combination	Min	0	0	0	0	0
521	521	Shell-Thin	1342	SLU-ENVE	Combination	Min	0	0	0	0	0
521	521	Shell-Thin	1341	SLU-ENVE	Combination	Min	0	0	0	0	0
521	521	Shell-Thin	1362	SLE-ENVE	Combination	Max	0	0	0	0	0
521	521	Shell-Thin	1363	SLE-ENVE	Combination	Max	0	0	0	0	0
521	521	Shell-Thin	1342	SLE-ENVE	Combination	Max	0	0	0	0	0
521	521	Shell-Thin	1341	SLE-ENVE	Combination	Max	0	0	0	0	0
521	521	Shell-Thin	1362	SLE-ENVE	Combination	Min	0	0	0	0	0
521	521	Shell-Thin	1363	SLE-ENVE	Combination	Min	0	0	0	0	0
521	521	Shell-Thin	1342	SLE-ENVE	Combination	Min	0	0	0	0	0
521	521	Shell-Thin	1341	SLE-ENVE	Combination	Min	0	0	0	0	0
522	522	Shell-Thin	1341	SLU-ENVE	Combination	Max	0	0	0	0	0
522	522	Shell-Thin	1342	SLU-ENVE	Combination	Max	0	0	0	0	0
522	522	Shell-Thin	1321	SLU-ENVE	Combination	Max	0	0	0	0	0
522	522	Shell-Thin	1320	SLU-ENVE	Combination	Max	0	0	0	0	0
522	522	Shell-Thin	1341	SLU-ENVE	Combination	Min	0	0	0	0	0
522	522	Shell-Thin	1342	SLU-ENVE	Combination	Min	0	0	0	0	0
522	522	Shell-Thin	1321	SLU-ENVE	Combination	Min	0	0	0	0	0
522	522	Shell-Thin	1320	SLU-ENVE	Combination	Min	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
522	522	Shell-Thin	1341	SLE-ENVE	Combination	Max	0	0	0	0	0
522	522	Shell-Thin	1342	SLE-ENVE	Combination	Max	0	0	0	0	0
522	522	Shell-Thin	1321	SLE-ENVE	Combination	Max	0	0	0	0	0
522	522	Shell-Thin	1320	SLE-ENVE	Combination	Max	0	0	0	0	0
522	522	Shell-Thin	1341	SLE-ENVE	Combination	Min	0	0	0	0	0
522	522	Shell-Thin	1342	SLE-ENVE	Combination	Min	0	0	0	0	0
522	522	Shell-Thin	1321	SLE-ENVE	Combination	Min	0	0	0	0	0
522	522	Shell-Thin	1320	SLE-ENVE	Combination	Min	0	0	0	0	0
524	524	Shell-Thin	1175	SLU-ENVE	Combination	Max	0	0	0	0	0
524	524	Shell-Thin	1176	SLU-ENVE	Combination	Max	0	0	0	0	0
524	524	Shell-Thin	1121	SLU-ENVE	Combination	Max	-	0	0	0	-
							3,275E-20				3,341E-20
524	524	Shell-Thin	1103	SLU-ENVE	Combination	Max	-3,31E-20	0	0	0	-
											3,351E-20
524	524	Shell-Thin	1175	SLU-ENVE	Combination	Min	0	0	0	0	0
524	524	Shell-Thin	1176	SLU-ENVE	Combination	Min	0	0	0	0	0
524	524	Shell-Thin	1121	SLU-ENVE	Combination	Min	-	0	0	0	-
							5,219E-20				5,306E-20
524	524	Shell-Thin	1103	SLU-ENVE	Combination	Min	-	0	0	0	-
							5,259E-20				5,308E-20
524	524	Shell-Thin	1175	SLE-ENVE	Combination	Max	0	0	0	0	0
524	524	Shell-Thin	1176	SLE-ENVE	Combination	Max	0	0	0	0	0
524	524	Shell-Thin	1121	SLE-ENVE	Combination	Max	-	0	0	0	-
							1,816E-20				1,851E-20
524	524	Shell-Thin	1103	SLE-ENVE	Combination	Max	-	0	0	0	-
							1,835E-20				1,857E-20
524	524	Shell-Thin	1175	SLE-ENVE	Combination	Min	0	0	0	0	0
524	524	Shell-Thin	1176	SLE-ENVE	Combination	Min	0	0	0	0	0
524	524	Shell-Thin	1121	SLE-ENVE	Combination	Min	-	0	0	0	-
							2,716E-20				2,762E-20
524	524	Shell-Thin	1103	SLE-ENVE	Combination	Min	-	0	0	0	-
							2,737E-20				2,763E-20
546	546	Shell-Thin	1384	SLU-ENVE	Combination	Max	0	0	0	0	0
546	546	Shell-Thin	1385	SLU-ENVE	Combination	Max	0	0	0	0	0
546	546	Shell-Thin	1364	SLU-ENVE	Combination	Max	0	0	0	0	0
546	546	Shell-Thin	1363	SLU-ENVE	Combination	Max	0	0	0	0	0
546	546	Shell-Thin	1384	SLU-ENVE	Combination	Min	0	0	0	0	0
546	546	Shell-Thin	1385	SLU-ENVE	Combination	Min	0	0	0	0	0
546	546	Shell-Thin	1364	SLU-ENVE	Combination	Min	0	0	0	0	0
546	546	Shell-Thin	1363	SLU-ENVE	Combination	Min	0	0	0	0	0
546	546	Shell-Thin	1384	SLE-ENVE	Combination	Max	0	0	0	0	0
546	546	Shell-Thin	1385	SLE-ENVE	Combination	Max	0	0	0	0	0
546	546	Shell-Thin	1364	SLE-ENVE	Combination	Max	0	0	0	0	0
546	546	Shell-Thin	1363	SLE-ENVE	Combination	Max	0	0	0	0	0
546	546	Shell-Thin	1384	SLE-ENVE	Combination	Min	0	0	0	0	0
546	546	Shell-Thin	1385	SLE-ENVE	Combination	Min	0	0	0	0	0
546	546	Shell-Thin	1364	SLE-ENVE	Combination	Min	0	0	0	0	0
546	546	Shell-Thin	1363	SLE-ENVE	Combination	Min	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
547	547	Shell-Thin	1363	SLU-ENVE	Combination	Max	0	0	0	0	0
547	547	Shell-Thin	1364	SLU-ENVE	Combination	Max	0	0	0	0	0
547	547	Shell-Thin	1343	SLU-ENVE	Combination	Max	0	0	0	0	0
547	547	Shell-Thin	1342	SLU-ENVE	Combination	Max	0	0	0	0	0
547	547	Shell-Thin	1363	SLU-ENVE	Combination	Min	0	0	0	0	0
547	547	Shell-Thin	1364	SLU-ENVE	Combination	Min	0	0	0	0	0
547	547	Shell-Thin	1343	SLU-ENVE	Combination	Min	0	0	0	0	0
547	547	Shell-Thin	1342	SLU-ENVE	Combination	Min	0	0	0	0	0
547	547	Shell-Thin	1363	SLE-ENVE	Combination	Max	0	0	0	0	0
547	547	Shell-Thin	1364	SLE-ENVE	Combination	Max	0	0	0	0	0
547	547	Shell-Thin	1343	SLE-ENVE	Combination	Max	0	0	0	0	0
547	547	Shell-Thin	1342	SLE-ENVE	Combination	Max	0	0	0	0	0
547	547	Shell-Thin	1363	SLE-ENVE	Combination	Min	0	0	0	0	0
547	547	Shell-Thin	1364	SLE-ENVE	Combination	Min	0	0	0	0	0
547	547	Shell-Thin	1343	SLE-ENVE	Combination	Min	0	0	0	0	0
547	547	Shell-Thin	1342	SLE-ENVE	Combination	Min	0	0	0	0	0
548	548	Shell-Thin	1342	SLU-ENVE	Combination	Max	0	0	0	0	0
548	548	Shell-Thin	1343	SLU-ENVE	Combination	Max	0	0	0	0	0
548	548	Shell-Thin	1322	SLU-ENVE	Combination	Max	0	0	0	0	0
548	548	Shell-Thin	1321	SLU-ENVE	Combination	Max	0	0	0	0	0
548	548	Shell-Thin	1342	SLU-ENVE	Combination	Min	0	0	0	0	0
548	548	Shell-Thin	1343	SLU-ENVE	Combination	Min	0	0	0	0	0
548	548	Shell-Thin	1322	SLU-ENVE	Combination	Min	0	0	0	0	0
548	548	Shell-Thin	1321	SLU-ENVE	Combination	Min	0	0	0	0	0
548	548	Shell-Thin	1342	SLE-ENVE	Combination	Max	0	0	0	0	0
548	548	Shell-Thin	1343	SLE-ENVE	Combination	Max	0	0	0	0	0
548	548	Shell-Thin	1322	SLE-ENVE	Combination	Max	0	0	0	0	0
548	548	Shell-Thin	1321	SLE-ENVE	Combination	Max	0	0	0	0	0
548	548	Shell-Thin	1342	SLE-ENVE	Combination	Min	0	0	0	0	0
548	548	Shell-Thin	1343	SLE-ENVE	Combination	Min	0	0	0	0	0
548	548	Shell-Thin	1322	SLE-ENVE	Combination	Min	0	0	0	0	0
548	548	Shell-Thin	1321	SLE-ENVE	Combination	Min	0	0	0	0	0
548	548	Shell-Thin	1342	SLE-ENVE	Combination	Min	0	0	0	0	0
548	548	Shell-Thin	1343	SLE-ENVE	Combination	Min	0	0	0	0	0
548	548	Shell-Thin	1322	SLE-ENVE	Combination	Min	0	0	0	0	0
548	548	Shell-Thin	1321	SLE-ENVE	Combination	Min	0	0	0	0	0
550	550	Shell-Thin	1176	SLU-ENVE	Combination	Max	1,079E-20	0	0	1,385E-20	0
550	550	Shell-Thin	1177	SLU-ENVE	Combination	Max	1,107E-20	0	0	1,378E-20	0
550	550	Shell-Thin	1101	SLU-ENVE	Combination	Max	-4,975E-20	0	0	0	-4,982E-20
550	550	Shell-Thin	1121	SLU-ENVE	Combination	Max	-4,989E-20	0	0	0	-5,004E-20
550	550	Shell-Thin	1176	SLU-ENVE	Combination	Min	0	0	0	1,278E-20	0
550	550	Shell-Thin	1177	SLU-ENVE	Combination	Min	0	0	0	1,274E-20	0
550	550	Shell-Thin	1101	SLU-ENVE	Combination	Min	-7,51E-20	0	0	0	-7,532E-20
550	550	Shell-Thin	1121	SLU-ENVE	Combination	Min	-7,531E-20	0	0	0	-7,559E-20
550	550	Shell-Thin	1176	SLE-ENVE	Combination	Max	0	0	0	0	0
550	550	Shell-Thin	1177	SLE-ENVE	Combination	Max	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11 KN/m	F22 KN/m	F12 KN/m	FMax KN/m	FMin KN/m
550	550	Shell-Thin	1101	SLE-ENVE	Combination	Max	- 2,745E-20	0	0	0	- 2,748E-20
550	550	Shell-Thin	1121	SLE-ENVE	Combination	Max	- 2,752E-20	0	0	0	-2,76E-20
550	550	Shell-Thin	1176	SLE-ENVE	Combination	Min	0	0	0	0	0
550	550	Shell-Thin	1177	SLE-ENVE	Combination	Min	0	0	0	0	0
550	550	Shell-Thin	1101	SLE-ENVE	Combination	Min	- 3,878E-20	0	0	0	- 3,888E-20
550	550	Shell-Thin	1121	SLE-ENVE	Combination	Min	- 3,887E-20	0	0	0	- 3,901E-20
572	572	Shell-Thin	1385	SLU-ENVE	Combination	Max	0	0	0	0	0
572	572	Shell-Thin	1386	SLU-ENVE	Combination	Max	0	0	0	0	0
572	572	Shell-Thin	1365	SLU-ENVE	Combination	Max	0	0	0	0	0
572	572	Shell-Thin	1364	SLU-ENVE	Combination	Max	0	0	0	0	0
572	572	Shell-Thin	1385	SLU-ENVE	Combination	Min	0	0	0	0	0
572	572	Shell-Thin	1386	SLU-ENVE	Combination	Min	0	0	0	0	0
572	572	Shell-Thin	1365	SLU-ENVE	Combination	Min	0	0	0	0	0
572	572	Shell-Thin	1364	SLU-ENVE	Combination	Min	0	0	0	0	0
572	572	Shell-Thin	1385	SLE-ENVE	Combination	Max	0	0	0	0	0
572	572	Shell-Thin	1386	SLE-ENVE	Combination	Max	0	0	0	0	0
572	572	Shell-Thin	1365	SLE-ENVE	Combination	Max	0	0	0	0	0
572	572	Shell-Thin	1364	SLE-ENVE	Combination	Max	0	0	0	0	0
572	572	Shell-Thin	1385	SLE-ENVE	Combination	Min	0	0	0	0	0
572	572	Shell-Thin	1386	SLE-ENVE	Combination	Min	0	0	0	0	0
572	572	Shell-Thin	1365	SLE-ENVE	Combination	Min	0	0	0	0	0
572	572	Shell-Thin	1364	SLE-ENVE	Combination	Min	0	0	0	0	0
573	573	Shell-Thin	1364	SLU-ENVE	Combination	Max	0	0	0	0	0
573	573	Shell-Thin	1365	SLU-ENVE	Combination	Max	0	0	0	0	0
573	573	Shell-Thin	1344	SLU-ENVE	Combination	Max	0	0	0	0	0
573	573	Shell-Thin	1343	SLU-ENVE	Combination	Max	0	0	0	0	0
573	573	Shell-Thin	1364	SLU-ENVE	Combination	Min	0	0	0	0	0
573	573	Shell-Thin	1365	SLU-ENVE	Combination	Min	0	0	0	0	0
573	573	Shell-Thin	1344	SLU-ENVE	Combination	Min	0	0	0	0	0
573	573	Shell-Thin	1343	SLU-ENVE	Combination	Min	0	0	0	0	0
573	573	Shell-Thin	1364	SLE-ENVE	Combination	Max	0	0	0	0	0
573	573	Shell-Thin	1365	SLE-ENVE	Combination	Max	0	0	0	0	0
573	573	Shell-Thin	1344	SLE-ENVE	Combination	Max	0	0	0	0	0
573	573	Shell-Thin	1343	SLE-ENVE	Combination	Max	0	0	0	0	0
573	573	Shell-Thin	1364	SLE-ENVE	Combination	Min	0	0	0	0	0
573	573	Shell-Thin	1365	SLE-ENVE	Combination	Min	0	0	0	0	0
573	573	Shell-Thin	1344	SLE-ENVE	Combination	Min	0	0	0	0	0
573	573	Shell-Thin	1343	SLE-ENVE	Combination	Min	0	0	0	0	0
574	574	Shell-Thin	1343	SLU-ENVE	Combination	Max	0	0	0	0	0
574	574	Shell-Thin	1344	SLU-ENVE	Combination	Max	0	0	0	0	0
574	574	Shell-Thin	1323	SLU-ENVE	Combination	Max	0	0	0	0	0
574	574	Shell-Thin	1322	SLU-ENVE	Combination	Max	0	0	0	0	0
574	574	Shell-Thin	1343	SLU-ENVE	Combination	Min	0	0	0	0	0
574	574	Shell-Thin	1344	SLU-ENVE	Combination	Min	0	0	0	0	0
574	574	Shell-Thin	1323	SLU-ENVE	Combination	Min	0	0	0	0	0
574	574	Shell-Thin	1322	SLU-ENVE	Combination	Min	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
574	574	Shell-Thin	1343	SLE-ENVE	Combination	Max	0	0	0	0	0
574	574	Shell-Thin	1344	SLE-ENVE	Combination	Max	0	0	0	0	0
574	574	Shell-Thin	1323	SLE-ENVE	Combination	Max	0	0	0	0	0
574	574	Shell-Thin	1322	SLE-ENVE	Combination	Max	0	0	0	0	0
574	574	Shell-Thin	1343	SLE-ENVE	Combination	Min	0	0	0	0	0
574	574	Shell-Thin	1344	SLE-ENVE	Combination	Min	0	0	0	0	0
574	574	Shell-Thin	1323	SLE-ENVE	Combination	Min	0	0	0	0	0
574	574	Shell-Thin	1322	SLE-ENVE	Combination	Min	0	0	0	0	0
576	576	Shell-Thin	1177	SLU-ENVE	Combination	Max	1,865E-20	1,199E-20	0	1,87E-20	1,194E-20
576	576	Shell-Thin	1178	SLU-ENVE	Combination	Max	1,869E-20	1,256E-20	0	1,903E-20	1,222E-20
576	576	Shell-Thin	1119	SLU-ENVE	Combination	Max	-5,702E-20	0	0	0	-5,708E-20
576	576	Shell-Thin	1101	SLU-ENVE	Combination	Max	-5,697E-20	0	0	0	-5,697E-20
576	576	Shell-Thin	1177	SLU-ENVE	Combination	Min	1,411E-20	0	0	1,602E-20	0
576	576	Shell-Thin	1178	SLU-ENVE	Combination	Min	1,407E-20	0	0	1,51E-20	0
576	576	Shell-Thin	1119	SLU-ENVE	Combination	Min	-8,995E-20	0	0	0	-9E-20
576	576	Shell-Thin	1101	SLU-ENVE	Combination	Min	-9,011E-20	-1,004E-20	0	0	-9,024E-20
576	576	Shell-Thin	1177	SLE-ENVE	Combination	Max	1,045E-20	0	0	1,046E-20	0
576	576	Shell-Thin	1178	SLE-ENVE	Combination	Max	1,045E-20	0	0	1,071E-20	0
576	576	Shell-Thin	1119	SLE-ENVE	Combination	Max	-3,111E-20	0	0	0	-3,116E-20
576	576	Shell-Thin	1101	SLE-ENVE	Combination	Max	-3,107E-20	0	0	0	-3,107E-20
576	576	Shell-Thin	1177	SLE-ENVE	Combination	Min	0	0	0	0	0
576	576	Shell-Thin	1178	SLE-ENVE	Combination	Min	0	0	0	0	0
576	576	Shell-Thin	1119	SLE-ENVE	Combination	Min	-4,557E-20	0	0	0	-4,558E-20
576	576	Shell-Thin	1101	SLE-ENVE	Combination	Min	-4,567E-20	0	0	0	-4,572E-20
598	598	Shell-Thin	1386	SLU-ENVE	Combination	Max	0	0	0	0	0
598	598	Shell-Thin	1387	SLU-ENVE	Combination	Max	0	0	0	0	0
598	598	Shell-Thin	1366	SLU-ENVE	Combination	Max	0	0	0	0	0
598	598	Shell-Thin	1365	SLU-ENVE	Combination	Max	0	0	0	0	0
598	598	Shell-Thin	1386	SLU-ENVE	Combination	Min	0	0	0	0	0
598	598	Shell-Thin	1387	SLU-ENVE	Combination	Min	0	0	0	0	0
598	598	Shell-Thin	1366	SLU-ENVE	Combination	Min	0	0	0	0	0
598	598	Shell-Thin	1365	SLU-ENVE	Combination	Min	0	0	0	0	0
598	598	Shell-Thin	1386	SLE-ENVE	Combination	Max	0	0	0	0	0
598	598	Shell-Thin	1387	SLE-ENVE	Combination	Max	0	0	0	0	0
598	598	Shell-Thin	1366	SLE-ENVE	Combination	Max	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
598	598	Shell-Thin	1365	SLE-ENVE	Combination	Max	0	0	0	0	0
598	598	Shell-Thin	1386	SLE-ENVE	Combination	Min	0	0	0	0	0
598	598	Shell-Thin	1387	SLE-ENVE	Combination	Min	0	0	0	0	0
598	598	Shell-Thin	1366	SLE-ENVE	Combination	Min	0	0	0	0	0
598	598	Shell-Thin	1365	SLE-ENVE	Combination	Min	0	0	0	0	0
599	599	Shell-Thin	1365	SLU-ENVE	Combination	Max	0	0	0	0	0
599	599	Shell-Thin	1366	SLU-ENVE	Combination	Max	0	0	0	0	0
599	599	Shell-Thin	1345	SLU-ENVE	Combination	Max	0	0	0	0	0
599	599	Shell-Thin	1344	SLU-ENVE	Combination	Max	0	0	0	0	0
599	599	Shell-Thin	1365	SLU-ENVE	Combination	Min	0	0	0	0	0
599	599	Shell-Thin	1366	SLU-ENVE	Combination	Min	0	0	0	0	0
599	599	Shell-Thin	1345	SLU-ENVE	Combination	Min	0	0	0	0	0
599	599	Shell-Thin	1344	SLU-ENVE	Combination	Min	0	0	0	0	0
599	599	Shell-Thin	1365	SLE-ENVE	Combination	Max	0	0	0	0	0
599	599	Shell-Thin	1366	SLE-ENVE	Combination	Max	0	0	0	0	0
599	599	Shell-Thin	1345	SLE-ENVE	Combination	Max	0	0	0	0	0
599	599	Shell-Thin	1344	SLE-ENVE	Combination	Max	0	0	0	0	0
599	599	Shell-Thin	1365	SLE-ENVE	Combination	Min	0	0	0	0	0
599	599	Shell-Thin	1366	SLE-ENVE	Combination	Min	0	0	0	0	0
599	599	Shell-Thin	1345	SLE-ENVE	Combination	Min	0	0	0	0	0
599	599	Shell-Thin	1344	SLE-ENVE	Combination	Min	0	0	0	0	0
600	600	Shell-Thin	1344	SLU-ENVE	Combination	Max	0	0	0	0	0
600	600	Shell-Thin	1345	SLU-ENVE	Combination	Max	0	0	0	0	0
600	600	Shell-Thin	1324	SLU-ENVE	Combination	Max	0	0	0	0	0
600	600	Shell-Thin	1323	SLU-ENVE	Combination	Max	0	0	0	0	0
600	600	Shell-Thin	1344	SLU-ENVE	Combination	Min	0	0	0	0	0
600	600	Shell-Thin	1345	SLU-ENVE	Combination	Min	0	0	0	0	0
600	600	Shell-Thin	1324	SLU-ENVE	Combination	Min	0	0	0	0	0
600	600	Shell-Thin	1323	SLU-ENVE	Combination	Min	0	0	0	0	0
600	600	Shell-Thin	1344	SLE-ENVE	Combination	Max	0	0	0	0	0
600	600	Shell-Thin	1345	SLE-ENVE	Combination	Max	0	0	0	0	0
600	600	Shell-Thin	1324	SLE-ENVE	Combination	Max	0	0	0	0	0
600	600	Shell-Thin	1323	SLE-ENVE	Combination	Max	0	0	0	0	0
600	600	Shell-Thin	1344	SLE-ENVE	Combination	Min	0	0	0	0	0
600	600	Shell-Thin	1345	SLE-ENVE	Combination	Min	0	0	0	0	0
600	600	Shell-Thin	1324	SLE-ENVE	Combination	Min	0	0	0	0	0
600	600	Shell-Thin	1323	SLE-ENVE	Combination	Min	0	0	0	0	0
602	602	Shell-Thin	1178	SLU-ENVE	Combination	Max	1,93E-20	1,368E-20	0	2,058E-20	1,24E-20
602	602	Shell-Thin	1179	SLU-ENVE	Combination	Max	1,91E-20	1,268E-20	0	2,19E-20	0
602	602	Shell-Thin	1117	SLU-ENVE	Combination	Max	-4,86E-20	0	0	0	-4,959E-20
602	602	Shell-Thin	1119	SLU-ENVE	Combination	Max	-4,824E-20	0	0	0	-4,862E-20
602	602	Shell-Thin	1178	SLU-ENVE	Combination	Min	1,051E-20	0	0	1,063E-20	0
602	602	Shell-Thin	1179	SLU-ENVE	Combination	Min	1,015E-20	0	0	1,052E-20	0
602	602	Shell-Thin	1117	SLU-ENVE	Combination	Min	-9,529E-20	-1,02E-20	0	-1,008E-20	-9,541E-20

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
602	602	Shell-Thin	1119	SLU-ENVE	Combination	Min	-	0	0	0	-
							9,509E-20				9,512E-20
602	602	Shell-Thin	1178	SLE-ENVE	Combination	Max	1,035E-20	0	0	1,121E-20	0
602	602	Shell-Thin	1179	SLE-ENVE	Combination	Max	1,02E-20	0	0	1,198E-20	0
602	602	Shell-Thin	1117	SLE-ENVE	Combination	Max	-	0	0	0	-
							2,567E-20				2,635E-20
602	602	Shell-Thin	1119	SLE-ENVE	Combination	Max	-	0	0	0	-
							2,545E-20				2,573E-20
602	602	Shell-Thin	1178	SLE-ENVE	Combination	Min	0	0	0	0	0
602	602	Shell-Thin	1179	SLE-ENVE	Combination	Min	0	0	0	0	0
602	602	Shell-Thin	1117	SLE-ENVE	Combination	Min	-	0	0	0	-
							4,714E-20				4,726E-20
602	602	Shell-Thin	1119	SLE-ENVE	Combination	Min	-4,7E-20	0	0	0	-
											4,704E-20
624	624	Shell-Thin	1387	SLU-ENVE	Combination	Max	0	0	0	0	0
624	624	Shell-Thin	1388	SLU-ENVE	Combination	Max	0	0	0	0	0
624	624	Shell-Thin	1367	SLU-ENVE	Combination	Max	0	0	0	0	0
624	624	Shell-Thin	1366	SLU-ENVE	Combination	Max	0	0	0	0	0
624	624	Shell-Thin	1387	SLU-ENVE	Combination	Min	0	0	0	0	0
624	624	Shell-Thin	1388	SLU-ENVE	Combination	Min	0	0	0	0	0
624	624	Shell-Thin	1367	SLU-ENVE	Combination	Min	0	0	0	0	0
624	624	Shell-Thin	1366	SLU-ENVE	Combination	Min	0	0	0	0	0
624	624	Shell-Thin	1387	SLE-ENVE	Combination	Max	0	0	0	0	0
624	624	Shell-Thin	1388	SLE-ENVE	Combination	Max	0	0	0	0	0
624	624	Shell-Thin	1367	SLE-ENVE	Combination	Max	0	0	0	0	0
624	624	Shell-Thin	1366	SLE-ENVE	Combination	Max	0	0	0	0	0
624	624	Shell-Thin	1387	SLE-ENVE	Combination	Min	0	0	0	0	0
624	624	Shell-Thin	1388	SLE-ENVE	Combination	Min	0	0	0	0	0
624	624	Shell-Thin	1367	SLE-ENVE	Combination	Min	0	0	0	0	0
624	624	Shell-Thin	1366	SLE-ENVE	Combination	Min	0	0	0	0	0
625	625	Shell-Thin	1366	SLU-ENVE	Combination	Max	0	0	0	0	0
625	625	Shell-Thin	1367	SLU-ENVE	Combination	Max	0	0	0	0	0
625	625	Shell-Thin	1346	SLU-ENVE	Combination	Max	0	0	0	0	0
625	625	Shell-Thin	1345	SLU-ENVE	Combination	Max	0	0	0	0	0
625	625	Shell-Thin	1366	SLU-ENVE	Combination	Min	0	0	0	0	0
625	625	Shell-Thin	1367	SLU-ENVE	Combination	Min	0	0	0	0	0
625	625	Shell-Thin	1346	SLU-ENVE	Combination	Min	0	0	0	0	0
625	625	Shell-Thin	1345	SLU-ENVE	Combination	Min	0	0	0	0	0
625	625	Shell-Thin	1366	SLE-ENVE	Combination	Max	0	0	0	0	0
625	625	Shell-Thin	1367	SLE-ENVE	Combination	Max	0	0	0	0	0
625	625	Shell-Thin	1346	SLE-ENVE	Combination	Max	0	0	0	0	0
625	625	Shell-Thin	1345	SLE-ENVE	Combination	Max	0	0	0	0	0
625	625	Shell-Thin	1366	SLE-ENVE	Combination	Min	0	0	0	0	0
625	625	Shell-Thin	1367	SLE-ENVE	Combination	Min	0	0	0	0	0
625	625	Shell-Thin	1346	SLE-ENVE	Combination	Min	0	0	0	0	0
625	625	Shell-Thin	1345	SLE-ENVE	Combination	Min	0	0	0	0	0
626	626	Shell-Thin	1345	SLU-ENVE	Combination	Max	0	0	0	0	0
626	626	Shell-Thin	1346	SLU-ENVE	Combination	Max	0	0	0	0	0



AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
626	626	Shell-Thin	1325	SLU-ENVE	Combination	Max	0	0	0	0	0
626	626	Shell-Thin	1324	SLU-ENVE	Combination	Max	0	0	0	0	0
626	626	Shell-Thin	1345	SLU-ENVE	Combination	Min	0	0	0	0	0
626	626	Shell-Thin	1346	SLU-ENVE	Combination	Min	0	0	0	0	0
626	626	Shell-Thin	1325	SLU-ENVE	Combination	Min	0	0	0	0	0
626	626	Shell-Thin	1324	SLU-ENVE	Combination	Min	0	0	0	0	0
626	626	Shell-Thin	1345	SLE-ENVE	Combination	Max	0	0	0	0	0
626	626	Shell-Thin	1346	SLE-ENVE	Combination	Max	0	0	0	0	0
626	626	Shell-Thin	1325	SLE-ENVE	Combination	Max	0	0	0	0	0
626	626	Shell-Thin	1324	SLE-ENVE	Combination	Max	0	0	0	0	0
626	626	Shell-Thin	1345	SLE-ENVE	Combination	Min	0	0	0	0	0
626	626	Shell-Thin	1346	SLE-ENVE	Combination	Min	0	0	0	0	0
626	626	Shell-Thin	1325	SLE-ENVE	Combination	Min	0	0	0	0	0
626	626	Shell-Thin	1324	SLE-ENVE	Combination	Min	0	0	0	0	0
628	628	Shell-Thin	1179	SLU-ENVE	Combination	Max	1,056E-20	1,138E-20	0	1,823E-20	0
628	628	Shell-Thin	1304	SLU-ENVE	Combination	Max	0	0	1,105E-20	1,88E-20	0
628	628	Shell-Thin	1115	SLU-ENVE	Combination	Max	-	0	0	0	-
628	628	Shell-Thin	1117	SLU-ENVE	Combination	Max	2,816E-20	-	-	-	3,177E-20
628	628	Shell-Thin	1117	SLU-ENVE	Combination	Max	-	0	0	0	-
628	628	Shell-Thin	1179	SLU-ENVE	Combination	Min	0	0	0	0	0
628	628	Shell-Thin	1304	SLU-ENVE	Combination	Min	0	0	0	0	0
628	628	Shell-Thin	1115	SLU-ENVE	Combination	Min	-	-	0	-	-8,05E-20
628	628	Shell-Thin	1117	SLU-ENVE	Combination	Min	7,988E-20	1,198E-20	0	1,137E-20	-
628	628	Shell-Thin	1117	SLU-ENVE	Combination	Min	-	0	0	0	-
628	628	Shell-Thin	1179	SLE-ENVE	Combination	Max	0	0	0	0	0
628	628	Shell-Thin	1304	SLE-ENVE	Combination	Max	0	0	0	1E-20	0
628	628	Shell-Thin	1115	SLE-ENVE	Combination	Max	-	0	0	0	-
628	628	Shell-Thin	1117	SLE-ENVE	Combination	Max	1,318E-20	-	-	-	1,576E-20
628	628	Shell-Thin	1117	SLE-ENVE	Combination	Max	-	0	0	0	-
628	628	Shell-Thin	1179	SLE-ENVE	Combination	Min	1,269E-20	-	-	-	1,366E-20
628	628	Shell-Thin	1179	SLE-ENVE	Combination	Min	0	0	0	0	0
628	628	Shell-Thin	1304	SLE-ENVE	Combination	Min	0	0	0	0	0
628	628	Shell-Thin	1115	SLE-ENVE	Combination	Min	-	0	0	0	-
628	628	Shell-Thin	1117	SLE-ENVE	Combination	Min	3,667E-20	-	-	-	3,716E-20
628	628	Shell-Thin	1117	SLE-ENVE	Combination	Min	-	0	0	0	-
650	650	Shell-Thin	1388	SLU-ENVE	Combination	Max	3,606E-20	-	-	-	3,626E-20
650	650	Shell-Thin	1389	SLU-ENVE	Combination	Max	0	0	0	0	0
650	650	Shell-Thin	1368	SLU-ENVE	Combination	Max	0	0	0	0	0
650	650	Shell-Thin	1367	SLU-ENVE	Combination	Max	0	0	0	0	0
650	650	Shell-Thin	1388	SLU-ENVE	Combination	Min	0	0	0	0	0
650	650	Shell-Thin	1389	SLU-ENVE	Combination	Min	0	0	0	0	0
650	650	Shell-Thin	1368	SLU-ENVE	Combination	Min	0	0	0	0	0
650	650	Shell-Thin	1367	SLU-ENVE	Combination	Min	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
650	650	Shell-Thin	1388	SLE-ENVE	Combination	Max	0	0	0	0	0
650	650	Shell-Thin	1389	SLE-ENVE	Combination	Max	0	0	0	0	0
650	650	Shell-Thin	1368	SLE-ENVE	Combination	Max	0	0	0	0	0
650	650	Shell-Thin	1367	SLE-ENVE	Combination	Max	0	0	0	0	0
650	650	Shell-Thin	1388	SLE-ENVE	Combination	Min	0	0	0	0	0
650	650	Shell-Thin	1389	SLE-ENVE	Combination	Min	0	0	0	0	0
650	650	Shell-Thin	1368	SLE-ENVE	Combination	Min	0	0	0	0	0
650	650	Shell-Thin	1367	SLE-ENVE	Combination	Min	0	0	0	0	0
651	651	Shell-Thin	1367	SLU-ENVE	Combination	Max	0	0	0	0	0
651	651	Shell-Thin	1368	SLU-ENVE	Combination	Max	0	0	0	0	0
651	651	Shell-Thin	1347	SLU-ENVE	Combination	Max	0	0	0	0	0
651	651	Shell-Thin	1346	SLU-ENVE	Combination	Max	0	0	0	0	0
651	651	Shell-Thin	1367	SLU-ENVE	Combination	Min	0	0	0	0	0
651	651	Shell-Thin	1368	SLU-ENVE	Combination	Min	0	0	0	0	0
651	651	Shell-Thin	1347	SLU-ENVE	Combination	Min	0	0	0	0	0
651	651	Shell-Thin	1346	SLU-ENVE	Combination	Min	0	0	0	0	0
651	651	Shell-Thin	1367	SLE-ENVE	Combination	Max	0	0	0	0	0
651	651	Shell-Thin	1368	SLE-ENVE	Combination	Max	0	0	0	0	0
651	651	Shell-Thin	1347	SLE-ENVE	Combination	Max	0	0	0	0	0
651	651	Shell-Thin	1346	SLE-ENVE	Combination	Max	0	0	0	0	0
651	651	Shell-Thin	1367	SLE-ENVE	Combination	Min	0	0	0	0	0
651	651	Shell-Thin	1368	SLE-ENVE	Combination	Min	0	0	0	0	0
651	651	Shell-Thin	1347	SLE-ENVE	Combination	Min	0	0	0	0	0
651	651	Shell-Thin	1346	SLE-ENVE	Combination	Min	0	0	0	0	0
652	652	Shell-Thin	1346	SLU-ENVE	Combination	Max	0	0	0	0	0
652	652	Shell-Thin	1347	SLU-ENVE	Combination	Max	0	0	0	0	0
652	652	Shell-Thin	1326	SLU-ENVE	Combination	Max	0	0	0	0	0
652	652	Shell-Thin	1325	SLU-ENVE	Combination	Max	0	0	0	0	0
652	652	Shell-Thin	1346	SLU-ENVE	Combination	Min	0	0	0	0	0
652	652	Shell-Thin	1347	SLU-ENVE	Combination	Min	0	0	0	0	0
652	652	Shell-Thin	1326	SLU-ENVE	Combination	Min	0	0	0	0	0
652	652	Shell-Thin	1325	SLU-ENVE	Combination	Min	0	0	0	0	0
652	652	Shell-Thin	1346	SLE-ENVE	Combination	Max	0	0	0	0	0
652	652	Shell-Thin	1347	SLE-ENVE	Combination	Max	0	0	0	0	0
652	652	Shell-Thin	1326	SLE-ENVE	Combination	Max	0	0	0	0	0
652	652	Shell-Thin	1325	SLE-ENVE	Combination	Max	0	0	0	0	0
652	652	Shell-Thin	1346	SLE-ENVE	Combination	Min	0	0	0	0	0
652	652	Shell-Thin	1347	SLE-ENVE	Combination	Min	0	0	0	0	0
652	652	Shell-Thin	1326	SLE-ENVE	Combination	Min	0	0	0	0	0
652	652	Shell-Thin	1325	SLE-ENVE	Combination	Min	0	0	0	0	0
654	654	Shell-Thin	1304	SLU-ENVE	Combination	Max	-1,1E-20	0	1,06E-20	0	-1,691E-20
654	654	Shell-Thin	1305	SLU-ENVE	Combination	Max	-1,028E-20	0	0	0	-1,404E-20
654	654	Shell-Thin	1099	SLU-ENVE	Combination	Max	0	0	1,038E-20	1,142E-20	0
654	654	Shell-Thin	1115	SLU-ENVE	Combination	Max	0	0	1,245E-20	1,185E-20	-1,307E-20
654	654	Shell-Thin	1304	SLU-ENVE	Combination	Min	-1,482E-20	0	0	0	-1,823E-20

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
654	654	Shell-Thin	1305	SLU-ENVE	Combination	Min	-	0	0	0	-
							1,409E-20				1,542E-20
654	654	Shell-Thin	1099	SLU-ENVE	Combination	Min	-	0	0	0	-
							4,596E-20				4,668E-20
654	654	Shell-Thin	1115	SLU-ENVE	Combination	Min	-	0	0	0	-
							4,668E-20				4,834E-20
654	654	Shell-Thin	1304	SLE-ENVE	Combination	Max	0	0	0	0	-
											1,109E-20
654	654	Shell-Thin	1305	SLE-ENVE	Combination	Max	0	0	0	0	0
654	654	Shell-Thin	1099	SLE-ENVE	Combination	Max	0	0	0	0	0
654	654	Shell-Thin	1115	SLE-ENVE	Combination	Max	0	0	0	0	0
654	654	Shell-Thin	1304	SLE-ENVE	Combination	Min	0	0	0	0	-
											1,144E-20
654	654	Shell-Thin	1305	SLE-ENVE	Combination	Min	0	0	0	0	0
654	654	Shell-Thin	1099	SLE-ENVE	Combination	Min	-	0	0	0	-
							1,659E-20				1,721E-20
654	654	Shell-Thin	1115	SLE-ENVE	Combination	Min	-	0	0	0	-
							1,696E-20				1,858E-20
676	676	Shell-Thin	1389	SLU-ENVE	Combination	Max	0	0	0	0	0
676	676	Shell-Thin	1028	SLU-ENVE	Combination	Max	0	0	0	0	0
676	676	Shell-Thin	1027	SLU-ENVE	Combination	Max	0	0	0	0	0
676	676	Shell-Thin	1368	SLU-ENVE	Combination	Max	0	0	0	0	0
676	676	Shell-Thin	1389	SLU-ENVE	Combination	Min	0	0	0	0	0
676	676	Shell-Thin	1028	SLU-ENVE	Combination	Min	0	0	0	0	0
676	676	Shell-Thin	1027	SLU-ENVE	Combination	Min	0	0	0	0	0
676	676	Shell-Thin	1368	SLU-ENVE	Combination	Min	0	0	0	0	0
676	676	Shell-Thin	1389	SLE-ENVE	Combination	Max	0	0	0	0	0
676	676	Shell-Thin	1028	SLE-ENVE	Combination	Max	0	0	0	0	0
676	676	Shell-Thin	1027	SLE-ENVE	Combination	Max	0	0	0	0	0
676	676	Shell-Thin	1368	SLE-ENVE	Combination	Max	0	0	0	0	0
676	676	Shell-Thin	1389	SLE-ENVE	Combination	Min	0	0	0	0	0
676	676	Shell-Thin	1028	SLE-ENVE	Combination	Min	0	0	0	0	0
676	676	Shell-Thin	1027	SLE-ENVE	Combination	Min	0	0	0	0	0
676	676	Shell-Thin	1368	SLE-ENVE	Combination	Min	0	0	0	0	0
677	677	Shell-Thin	1368	SLU-ENVE	Combination	Max	0	0	0	0	0
677	677	Shell-Thin	1027	SLU-ENVE	Combination	Max	0	0	0	0	0
677	677	Shell-Thin	1026	SLU-ENVE	Combination	Max	0	0	0	0	0
677	677	Shell-Thin	1347	SLU-ENVE	Combination	Max	0	0	0	0	0
677	677	Shell-Thin	1368	SLU-ENVE	Combination	Min	0	0	0	0	0
677	677	Shell-Thin	1027	SLU-ENVE	Combination	Min	0	0	0	0	0
677	677	Shell-Thin	1026	SLU-ENVE	Combination	Min	0	0	0	0	0
677	677	Shell-Thin	1347	SLU-ENVE	Combination	Min	0	0	0	0	0
677	677	Shell-Thin	1368	SLE-ENVE	Combination	Max	0	0	0	0	0
677	677	Shell-Thin	1027	SLE-ENVE	Combination	Max	0	0	0	0	0
677	677	Shell-Thin	1026	SLE-ENVE	Combination	Max	0	0	0	0	0
677	677	Shell-Thin	1347	SLE-ENVE	Combination	Max	0	0	0	0	0
677	677	Shell-Thin	1368	SLE-ENVE	Combination	Min	0	0	0	0	0
677	677	Shell-Thin	1027	SLE-ENVE	Combination	Min	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
677	677	Shell-Thin	1026	SLE-ENVE	Combination	Min	0	0	0	0	0
677	677	Shell-Thin	1347	SLE-ENVE	Combination	Min	0	0	0	0	0
678	678	Shell-Thin	1347	SLU-ENVE	Combination	Max	0	0	0	0	0
678	678	Shell-Thin	1026	SLU-ENVE	Combination	Max	0	0	0	0	0
678	678	Shell-Thin	1025	SLU-ENVE	Combination	Max	0	0	0	0	0
678	678	Shell-Thin	1326	SLU-ENVE	Combination	Max	0	0	0	0	0
678	678	Shell-Thin	1347	SLU-ENVE	Combination	Min	0	0	0	0	0
678	678	Shell-Thin	1026	SLU-ENVE	Combination	Min	0	0	0	0	0
678	678	Shell-Thin	1025	SLU-ENVE	Combination	Min	0	0	0	0	0
678	678	Shell-Thin	1326	SLU-ENVE	Combination	Min	0	0	0	0	0
678	678	Shell-Thin	1347	SLE-ENVE	Combination	Max	0	0	0	0	0
678	678	Shell-Thin	1026	SLE-ENVE	Combination	Max	0	0	0	0	0
678	678	Shell-Thin	1025	SLE-ENVE	Combination	Max	0	0	0	0	0
678	678	Shell-Thin	1326	SLE-ENVE	Combination	Max	0	0	0	0	0
678	678	Shell-Thin	1347	SLE-ENVE	Combination	Min	0	0	0	0	0
678	678	Shell-Thin	1026	SLE-ENVE	Combination	Min	0	0	0	0	0
678	678	Shell-Thin	1025	SLE-ENVE	Combination	Min	0	0	0	0	0
678	678	Shell-Thin	1326	SLE-ENVE	Combination	Min	0	0	0	0	0
680	680	Shell-Thin	1305	SLU-ENVE	Combination	Max	-	0	1,094E-20	0	-
							1,802E-20				2,241E-20
680	680	Shell-Thin	1024	SLU-ENVE	Combination	Max	-1,93E-20	0	0	0	-
											2,433E-20
680	680	Shell-Thin	904	SLU-ENVE	Combination	Max	0	0	0	0	0
680	680	Shell-Thin	1099	SLU-ENVE	Combination	Max	0	0	1,771E-20	1,755E-20	-1,84E-20
680	680	Shell-Thin	1305	SLU-ENVE	Combination	Min	-	0	0	0	-
							2,152E-20				2,363E-20
680	680	Shell-Thin	1024	SLU-ENVE	Combination	Min	-	0	-	0	-
							2,361E-20		1,266E-20		3,072E-20
680	680	Shell-Thin	904	SLU-ENVE	Combination	Min	-	-	0	-	-
							5,177E-20	1,371E-20		1,282E-20	5,267E-20
680	680	Shell-Thin	1099	SLU-ENVE	Combination	Min	-	0	1,37E-20	0	-5,29E-20
							4,927E-20				
680	680	Shell-Thin	1305	SLE-ENVE	Combination	Max	-	0	0	0	-
							1,116E-20				1,355E-20
680	680	Shell-Thin	1024	SLE-ENVE	Combination	Max	-	0	0	0	-1,47E-20
							1,183E-20				
680	680	Shell-Thin	904	SLE-ENVE	Combination	Max	0	0	0	0	0
680	680	Shell-Thin	1099	SLE-ENVE	Combination	Max	0	0	1,045E-20	1,254E-20	0
680	680	Shell-Thin	1305	SLE-ENVE	Combination	Min	-	0	0	0	-
							1,289E-20				1,411E-20
680	680	Shell-Thin	1024	SLE-ENVE	Combination	Min	-1,4E-20	0	0	0	-
											1,811E-20
680	680	Shell-Thin	904	SLE-ENVE	Combination	Min	-	0	0	0	-
							1,941E-20				2,004E-20

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
680	680	Shell-Thin	1099	SLE-ENVE	Combination	Min	-	0	0	0	-
							1,815E-20				2,126E-20
702	702	Shell-Thin	1028	SLU-ENVE	Combination	Max	0	0	0	0	0
702	702	Shell-Thin	1078	SLU-ENVE	Combination	Max	0	0	0	0	0
702	702	Shell-Thin	1077	SLU-ENVE	Combination	Max	0	0	0	0	0
702	702	Shell-Thin	1027	SLU-ENVE	Combination	Max	0	0	0	0	0
702	702	Shell-Thin	1028	SLU-ENVE	Combination	Min	0	0	0	0	0
702	702	Shell-Thin	1078	SLU-ENVE	Combination	Min	0	0	0	0	0
702	702	Shell-Thin	1077	SLU-ENVE	Combination	Min	0	0	0	0	0
702	702	Shell-Thin	1027	SLU-ENVE	Combination	Min	0	0	0	0	0
702	702	Shell-Thin	1028	SLE-ENVE	Combination	Max	0	0	0	0	0
702	702	Shell-Thin	1078	SLE-ENVE	Combination	Max	0	0	0	0	0
702	702	Shell-Thin	1077	SLE-ENVE	Combination	Max	0	0	0	0	0
702	702	Shell-Thin	1027	SLE-ENVE	Combination	Max	0	0	0	0	0
702	702	Shell-Thin	1028	SLE-ENVE	Combination	Min	0	0	0	0	0
702	702	Shell-Thin	1078	SLE-ENVE	Combination	Min	0	0	0	0	0
702	702	Shell-Thin	1077	SLE-ENVE	Combination	Min	0	0	0	0	0
702	702	Shell-Thin	1027	SLE-ENVE	Combination	Min	0	0	0	0	0
703	703	Shell-Thin	1027	SLU-ENVE	Combination	Max	0	0	0	0	0
703	703	Shell-Thin	1077	SLU-ENVE	Combination	Max	0	0	0	0	0
703	703	Shell-Thin	1076	SLU-ENVE	Combination	Max	0	0	0	0	0
703	703	Shell-Thin	1026	SLU-ENVE	Combination	Max	0	0	0	0	0
703	703	Shell-Thin	1027	SLU-ENVE	Combination	Min	0	0	0	0	0
703	703	Shell-Thin	1077	SLU-ENVE	Combination	Min	0	0	0	0	0
703	703	Shell-Thin	1076	SLU-ENVE	Combination	Min	0	0	0	0	0
703	703	Shell-Thin	1026	SLU-ENVE	Combination	Min	0	0	0	0	0
703	703	Shell-Thin	1027	SLE-ENVE	Combination	Max	0	0	0	0	0
703	703	Shell-Thin	1077	SLE-ENVE	Combination	Max	0	0	0	0	0
703	703	Shell-Thin	1076	SLE-ENVE	Combination	Max	0	0	0	0	0
703	703	Shell-Thin	1026	SLE-ENVE	Combination	Max	0	0	0	0	0
703	703	Shell-Thin	1027	SLE-ENVE	Combination	Min	0	0	0	0	0
703	703	Shell-Thin	1077	SLE-ENVE	Combination	Min	0	0	0	0	0
703	703	Shell-Thin	1076	SLE-ENVE	Combination	Min	0	0	0	0	0
703	703	Shell-Thin	1026	SLE-ENVE	Combination	Min	0	0	0	0	0
704	704	Shell-Thin	1026	SLU-ENVE	Combination	Max	0	0	0	0	0
704	704	Shell-Thin	1076	SLU-ENVE	Combination	Max	0	0	0	0	0
704	704	Shell-Thin	1075	SLU-ENVE	Combination	Max	0	0	0	0	0
704	704	Shell-Thin	1025	SLU-ENVE	Combination	Max	0	0	0	0	0
704	704	Shell-Thin	1026	SLU-ENVE	Combination	Min	0	0	0	0	0
704	704	Shell-Thin	1076	SLU-ENVE	Combination	Min	0	0	0	0	0
704	704	Shell-Thin	1075	SLU-ENVE	Combination	Min	0	0	0	0	0
704	704	Shell-Thin	1025	SLU-ENVE	Combination	Min	0	0	0	0	0
704	704	Shell-Thin	1026	SLE-ENVE	Combination	Max	0	0	0	0	0
704	704	Shell-Thin	1076	SLE-ENVE	Combination	Max	0	0	0	0	0
704	704	Shell-Thin	1075	SLE-ENVE	Combination	Max	0	0	0	0	0
704	704	Shell-Thin	1025	SLE-ENVE	Combination	Max	0	0	0	0	0
704	704	Shell-Thin	1026	SLE-ENVE	Combination	Min	0	0	0	0	0
704	704	Shell-Thin	1076	SLE-ENVE	Combination	Min	0	0	0	0	0
704	704	Shell-Thin	1075	SLE-ENVE	Combination	Min	0	0	0	0	0
704	704	Shell-Thin	1025	SLE-ENVE	Combination	Min	0	0	0	0	0
706	706	Shell-Thin	1024	SLU-ENVE	Combination	Max	0	0	-	1,433E-20	-
								1,758E-20			2,113E-20

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
706	706	Shell-Thin	1074	SLU-ENVE	Combination	Max	0	0	1,076E-20	0	-1,552E-20
706	706	Shell-Thin	910	SLU-ENVE	Combination	Max	1,881E-20	0	1,785E-20	2,995E-20	0
706	706	Shell-Thin	904	SLU-ENVE	Combination	Max	1,931E-20	0	-1,2E-20	2,586E-20	0
706	706	Shell-Thin	1024	SLU-ENVE	Combination	Min	0	0	-2,274E-20	1,774E-20	-2,828E-20
706	706	Shell-Thin	1074	SLU-ENVE	Combination	Min	0	0	0	0	-1,555E-20
706	706	Shell-Thin	910	SLU-ENVE	Combination	Min	1,035E-20	0	1,413E-20	2,034E-20	0
706	706	Shell-Thin	904	SLU-ENVE	Combination	Min	1,07E-20	0	-1,569E-20	2,268E-20	0
706	706	Shell-Thin	1024	SLE-ENVE	Combination	Max	0	0	-1,04E-20	0	-1,272E-20
706	706	Shell-Thin	1074	SLE-ENVE	Combination	Max	0	0	0	0	0
706	706	Shell-Thin	910	SLE-ENVE	Combination	Max	1,025E-20	0	1,06E-20	1,709E-20	0
706	706	Shell-Thin	904	SLE-ENVE	Combination	Max	1,054E-20	0	0	1,459E-20	0
706	706	Shell-Thin	1024	SLE-ENVE	Combination	Min	0	0	-1,337E-20	1,041E-20	-1,666E-20
706	706	Shell-Thin	1074	SLE-ENVE	Combination	Min	0	0	0	0	0
706	706	Shell-Thin	910	SLE-ENVE	Combination	Min	0	0	0	1,18E-20	0
706	706	Shell-Thin	904	SLE-ENVE	Combination	Min	0	0	0	1,311E-20	0
905	905	Shell-Thin	1003	SLU-ENVE	Combination	Max	0	0	0	0	0
905	905	Shell-Thin	2061	SLU-ENVE	Combination	Max	0	0	0	0	0
905	905	Shell-Thin	2062	SLU-ENVE	Combination	Max	0	0	0	0	0
905	905	Shell-Thin	1002	SLU-ENVE	Combination	Max	0	0	0	0	0
905	905	Shell-Thin	1003	SLU-ENVE	Combination	Min	0	0	0	0	0
905	905	Shell-Thin	2061	SLU-ENVE	Combination	Min	0	0	0	0	0
905	905	Shell-Thin	2062	SLU-ENVE	Combination	Min	0	0	0	0	0
905	905	Shell-Thin	1002	SLU-ENVE	Combination	Min	0	0	0	0	0
905	905	Shell-Thin	1003	SLE-ENVE	Combination	Max	0	0	0	0	0
905	905	Shell-Thin	2061	SLE-ENVE	Combination	Max	0	0	0	0	0
905	905	Shell-Thin	2062	SLE-ENVE	Combination	Max	0	0	0	0	0
905	905	Shell-Thin	1002	SLE-ENVE	Combination	Max	0	0	0	0	0
905	905	Shell-Thin	1003	SLE-ENVE	Combination	Min	0	0	0	0	0
905	905	Shell-Thin	2061	SLE-ENVE	Combination	Min	0	0	0	0	0
905	905	Shell-Thin	2062	SLE-ENVE	Combination	Min	0	0	0	0	0
905	905	Shell-Thin	1002	SLE-ENVE	Combination	Min	0	0	0	0	0
906	906	Shell-Thin	2061	SLU-ENVE	Combination	Max	0	0	0	0	0
906	906	Shell-Thin	1382	SLU-ENVE	Combination	Max	0	0	0	0	0
906	906	Shell-Thin	1361	SLU-ENVE	Combination	Max	0	0	0	0	0
906	906	Shell-Thin	2062	SLU-ENVE	Combination	Max	0	0	0	0	0
906	906	Shell-Thin	2061	SLU-ENVE	Combination	Min	0	0	0	0	0
906	906	Shell-Thin	1382	SLU-ENVE	Combination	Min	0	0	0	0	0

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**Table: Element Forces - Area Shells, Part 1 of 3**

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
906	906	Shell-Thin	1361	SLU-ENVE	Combination	Min	0	0	0	0	0
906	906	Shell-Thin	2062	SLU-ENVE	Combination	Min	0	0	0	0	0
906	906	Shell-Thin	2061	SLE-ENVE	Combination	Max	0	0	0	0	0
906	906	Shell-Thin	1382	SLE-ENVE	Combination	Max	0	0	0	0	0
906	906	Shell-Thin	1361	SLE-ENVE	Combination	Max	0	0	0	0	0
906	906	Shell-Thin	2062	SLE-ENVE	Combination	Max	0	0	0	0	0
906	906	Shell-Thin	2061	SLE-ENVE	Combination	Min	0	0	0	0	0
906	906	Shell-Thin	1382	SLE-ENVE	Combination	Min	0	0	0	0	0
906	906	Shell-Thin	1361	SLE-ENVE	Combination	Min	0	0	0	0	0
906	906	Shell-Thin	2062	SLE-ENVE	Combination	Min	0	0	0	0	0
907	907	Shell-Thin	1002	SLU-ENVE	Combination	Max	0	0	0	0	0
907	907	Shell-Thin	2062	SLU-ENVE	Combination	Max	0	0	0	0	0
907	907	Shell-Thin	2063	SLU-ENVE	Combination	Max	0	0	0	0	0
907	907	Shell-Thin	1001	SLU-ENVE	Combination	Max	0	0	0	0	0
907	907	Shell-Thin	1002	SLU-ENVE	Combination	Min	0	0	0	0	0
907	907	Shell-Thin	2062	SLU-ENVE	Combination	Min	0	0	0	0	0
907	907	Shell-Thin	2063	SLU-ENVE	Combination	Min	0	0	0	0	0
907	907	Shell-Thin	1001	SLU-ENVE	Combination	Min	0	0	0	0	0
907	907	Shell-Thin	1002	SLE-ENVE	Combination	Max	0	0	0	0	0
907	907	Shell-Thin	2062	SLE-ENVE	Combination	Max	0	0	0	0	0
907	907	Shell-Thin	2063	SLE-ENVE	Combination	Max	0	0	0	0	0
907	907	Shell-Thin	1001	SLE-ENVE	Combination	Max	0	0	0	0	0
907	907	Shell-Thin	1002	SLE-ENVE	Combination	Min	0	0	0	0	0
907	907	Shell-Thin	2062	SLE-ENVE	Combination	Min	0	0	0	0	0
907	907	Shell-Thin	2063	SLE-ENVE	Combination	Min	0	0	0	0	0
907	907	Shell-Thin	1001	SLE-ENVE	Combination	Min	0	0	0	0	0
908	908	Shell-Thin	2062	SLU-ENVE	Combination	Max	0	0	0	0	0
908	908	Shell-Thin	1361	SLU-ENVE	Combination	Max	0	0	0	0	0
908	908	Shell-Thin	1340	SLU-ENVE	Combination	Max	0	0	0	0	0
908	908	Shell-Thin	2063	SLU-ENVE	Combination	Max	0	0	0	0	0
908	908	Shell-Thin	2062	SLU-ENVE	Combination	Min	0	0	0	0	0
908	908	Shell-Thin	1361	SLU-ENVE	Combination	Min	0	0	0	0	0
908	908	Shell-Thin	1340	SLU-ENVE	Combination	Min	0	0	0	0	0
908	908	Shell-Thin	2063	SLU-ENVE	Combination	Min	0	0	0	0	0
908	908	Shell-Thin	2062	SLE-ENVE	Combination	Max	0	0	0	0	0
908	908	Shell-Thin	1361	SLE-ENVE	Combination	Max	0	0	0	0	0
908	908	Shell-Thin	1340	SLE-ENVE	Combination	Max	0	0	0	0	0
908	908	Shell-Thin	2063	SLE-ENVE	Combination	Max	0	0	0	0	0
908	908	Shell-Thin	2062	SLE-ENVE	Combination	Min	0	0	0	0	0
908	908	Shell-Thin	1361	SLE-ENVE	Combination	Min	0	0	0	0	0
908	908	Shell-Thin	1340	SLE-ENVE	Combination	Min	0	0	0	0	0
908	908	Shell-Thin	2063	SLE-ENVE	Combination	Min	0	0	0	0	0
909	909	Shell-Thin	1001	SLU-ENVE	Combination	Max	0	0	0	0	0
909	909	Shell-Thin	2063	SLU-ENVE	Combination	Max	0	0	0	0	0
909	909	Shell-Thin	2064	SLU-ENVE	Combination	Max	0	0	0	0	0
909	909	Shell-Thin	1000	SLU-ENVE	Combination	Max	0	0	0	0	0
909	909	Shell-Thin	1001	SLU-ENVE	Combination	Min	0	0	0	0	0
909	909	Shell-Thin	2063	SLU-ENVE	Combination	Min	0	0	0	0	0
909	909	Shell-Thin	2064	SLU-ENVE	Combination	Min	0	0	0	0	0
909	909	Shell-Thin	1000	SLU-ENVE	Combination	Min	0	0	0	0	0
909	909	Shell-Thin	1001	SLE-ENVE	Combination	Max	0	0	0	0	0
909	909	Shell-Thin	2063	SLE-ENVE	Combination	Max	0	0	0	0	0
909	909	Shell-Thin	2064	SLE-ENVE	Combination	Max	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
909	909	Shell-Thin	1000	SLE-ENVE	Combination	Max	0	0	0	0	0
909	909	Shell-Thin	1001	SLE-ENVE	Combination	Min	0	0	0	0	0
909	909	Shell-Thin	2063	SLE-ENVE	Combination	Min	0	0	0	0	0
909	909	Shell-Thin	2064	SLE-ENVE	Combination	Min	0	0	0	0	0
909	909	Shell-Thin	1000	SLE-ENVE	Combination	Min	0	0	0	0	0
910	910	Shell-Thin	2063	SLU-ENVE	Combination	Max	0	0	0	0	0
910	910	Shell-Thin	1340	SLU-ENVE	Combination	Max	0	0	0	0	0
910	910	Shell-Thin	1319	SLU-ENVE	Combination	Max	0	0	0	0	0
910	910	Shell-Thin	2064	SLU-ENVE	Combination	Max	0	0	0	0	0
910	910	Shell-Thin	2063	SLU-ENVE	Combination	Min	0	0	0	0	0
910	910	Shell-Thin	1340	SLU-ENVE	Combination	Min	0	0	0	0	0
910	910	Shell-Thin	1319	SLU-ENVE	Combination	Min	0	0	0	0	0
910	910	Shell-Thin	2064	SLU-ENVE	Combination	Min	0	0	0	0	0
910	910	Shell-Thin	2063	SLE-ENVE	Combination	Max	0	0	0	0	0
910	910	Shell-Thin	1340	SLE-ENVE	Combination	Max	0	0	0	0	0
910	910	Shell-Thin	1319	SLE-ENVE	Combination	Max	0	0	0	0	0
910	910	Shell-Thin	2064	SLE-ENVE	Combination	Max	0	0	0	0	0
910	910	Shell-Thin	2063	SLE-ENVE	Combination	Min	0	0	0	0	0
910	910	Shell-Thin	1340	SLE-ENVE	Combination	Min	0	0	0	0	0
910	910	Shell-Thin	1319	SLE-ENVE	Combination	Min	0	0	0	0	0
910	910	Shell-Thin	2064	SLE-ENVE	Combination	Min	0	0	0	0	0
913	913	Shell-Thin	999	SLU-ENVE	Combination	Max	0	0	0	0	0
913	913	Shell-Thin	2065	SLU-ENVE	Combination	Max	0	0	0	0	0
913	913	Shell-Thin	2066	SLU-ENVE	Combination	Max	-	0	0	0	-
							1,075E-20				1,075E-20
913	913	Shell-Thin	902	SLU-ENVE	Combination	Max	-	0	0	0	-
							1,121E-20				1,162E-20
913	913	Shell-Thin	999	SLU-ENVE	Combination	Min	-	0	0	0	-
							1,475E-20				1,517E-20
913	913	Shell-Thin	2065	SLU-ENVE	Combination	Min	-	0	0	0	-
							1,388E-20				1,393E-20
913	913	Shell-Thin	2066	SLU-ENVE	Combination	Min	-2,42E-20	0	0	0	-
											2,429E-20
913	913	Shell-Thin	902	SLU-ENVE	Combination	Min	-	0	0	0	-
							2,508E-20				2,557E-20
913	913	Shell-Thin	999	SLE-ENVE	Combination	Max	0	0	0	0	0
913	913	Shell-Thin	2065	SLE-ENVE	Combination	Max	0	0	0	0	0
913	913	Shell-Thin	2066	SLE-ENVE	Combination	Max	0	0	0	0	0
913	913	Shell-Thin	902	SLE-ENVE	Combination	Max	0	0	0	0	0
913	913	Shell-Thin	999	SLE-ENVE	Combination	Min	0	0	0	0	0
913	913	Shell-Thin	2065	SLE-ENVE	Combination	Min	0	0	0	0	0
913	913	Shell-Thin	2066	SLE-ENVE	Combination	Min	-	0	0	0	-
							1,268E-20				1,271E-20
913	913	Shell-Thin	902	SLE-ENVE	Combination	Min	-	0	0	0	-
							1,312E-20				1,339E-20
914	914	Shell-Thin	2065	SLU-ENVE	Combination	Max	0	0	0	0	0
914	914	Shell-Thin	1174	SLU-ENVE	Combination	Max	0	0	0	0	0



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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
914	914	Shell-Thin	1123	SLU-ENVE	Combination	Max	-	0	0	0	-
							1,254E-20				1,357E-20
914	914	Shell-Thin	2066	SLU-ENVE	Combination	Max	-	0	0	0	-
							1,265E-20				1,284E-20
914	914	Shell-Thin	2065	SLU-ENVE	Combination	Min	-	0	0	0	-
							1,242E-20				1,252E-20
914	914	Shell-Thin	1174	SLU-ENVE	Combination	Min	-	0	0	0	-
							1,245E-20				1,296E-20
914	914	Shell-Thin	1123	SLU-ENVE	Combination	Min	-	0	0	0	-
							2,769E-20				2,845E-20
914	914	Shell-Thin	2066	SLU-ENVE	Combination	Min	-	0	0	0	-
							2,767E-20				2,788E-20
914	914	Shell-Thin	2065	SLE-ENVE	Combination	Max	0	0	0	0	0
914	914	Shell-Thin	1174	SLE-ENVE	Combination	Max	0	0	0	0	0
914	914	Shell-Thin	1123	SLE-ENVE	Combination	Max	0	0	0	0	0
914	914	Shell-Thin	2066	SLE-ENVE	Combination	Max	0	0	0	0	0
914	914	Shell-Thin	2065	SLE-ENVE	Combination	Min	0	0	0	0	0
914	914	Shell-Thin	1174	SLE-ENVE	Combination	Min	0	0	0	0	0
914	914	Shell-Thin	1123	SLE-ENVE	Combination	Min	-	0	0	0	-
							1,441E-20				1,483E-20
914	914	Shell-Thin	2066	SLE-ENVE	Combination	Min	-	0	0	0	-
							1,441E-20				1,451E-20
981	981	Shell-Thin	1380	SLU-ENVE	Combination	Max	0	0	0	0	0
981	981	Shell-Thin	2110	SLU-ENVE	Combination	Max	0	0	0	0	0
981	981	Shell-Thin	2112	SLU-ENVE	Combination	Max	0	0	0	0	0
981	981	Shell-Thin	1359	SLU-ENVE	Combination	Max	0	0	0	0	0
981	981	Shell-Thin	1380	SLU-ENVE	Combination	Min	0	0	0	0	0
981	981	Shell-Thin	2110	SLU-ENVE	Combination	Min	0	0	0	0	0
981	981	Shell-Thin	2112	SLU-ENVE	Combination	Min	0	0	0	0	0
981	981	Shell-Thin	1359	SLU-ENVE	Combination	Min	0	0	0	0	0
981	981	Shell-Thin	1380	SLE-ENVE	Combination	Max	0	0	0	0	0
981	981	Shell-Thin	2110	SLE-ENVE	Combination	Max	0	0	0	0	0
981	981	Shell-Thin	2112	SLE-ENVE	Combination	Max	0	0	0	0	0
981	981	Shell-Thin	1359	SLE-ENVE	Combination	Max	0	0	0	0	0
981	981	Shell-Thin	1380	SLE-ENVE	Combination	Min	0	0	0	0	0
981	981	Shell-Thin	2110	SLE-ENVE	Combination	Min	0	0	0	0	0
981	981	Shell-Thin	2112	SLE-ENVE	Combination	Min	0	0	0	0	0
981	981	Shell-Thin	1359	SLE-ENVE	Combination	Min	0	0	0	0	0
982	982	Shell-Thin	2110	SLU-ENVE	Combination	Max	0	0	0	0	0
982	982	Shell-Thin	2111	SLU-ENVE	Combination	Max	0	0	0	0	0
982	982	Shell-Thin	2113	SLU-ENVE	Combination	Max	0	0	0	0	0
982	982	Shell-Thin	2112	SLU-ENVE	Combination	Max	0	0	0	0	0
982	982	Shell-Thin	2110	SLU-ENVE	Combination	Min	0	0	0	0	0
982	982	Shell-Thin	2111	SLU-ENVE	Combination	Min	0	0	0	0	0
982	982	Shell-Thin	2113	SLU-ENVE	Combination	Min	0	0	0	0	0
982	982	Shell-Thin	2112	SLU-ENVE	Combination	Min	0	0	0	0	0
982	982	Shell-Thin	2110	SLE-ENVE	Combination	Max	0	0	0	0	0
982	982	Shell-Thin	2111	SLE-ENVE	Combination	Max	0	0	0	0	0

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1° LOTTO – Piovene Rocchette – Valle dell’Astico

**Table: Element Forces - Area Shells, Part 1 of 3**

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
982	982	Shell-Thin	2113	SLE-ENVE	Combination	Max	0	0	0	0	0
982	982	Shell-Thin	2112	SLE-ENVE	Combination	Max	0	0	0	0	0
982	982	Shell-Thin	2110	SLE-ENVE	Combination	Min	0	0	0	0	0
982	982	Shell-Thin	2111	SLE-ENVE	Combination	Min	0	0	0	0	0
982	982	Shell-Thin	2113	SLE-ENVE	Combination	Min	0	0	0	0	0
982	982	Shell-Thin	2112	SLE-ENVE	Combination	Min	0	0	0	0	0
983	983	Shell-Thin	2111	SLU-ENVE	Combination	Max	0	0	0	0	0
983	983	Shell-Thin	1381	SLU-ENVE	Combination	Max	0	0	0	0	0
983	983	Shell-Thin	1360	SLU-ENVE	Combination	Max	0	0	0	0	0
983	983	Shell-Thin	2113	SLU-ENVE	Combination	Max	0	0	0	0	0
983	983	Shell-Thin	2111	SLU-ENVE	Combination	Min	0	0	0	0	0
983	983	Shell-Thin	1381	SLU-ENVE	Combination	Min	0	0	0	0	0
983	983	Shell-Thin	1360	SLU-ENVE	Combination	Min	0	0	0	0	0
983	983	Shell-Thin	2113	SLU-ENVE	Combination	Min	0	0	0	0	0
983	983	Shell-Thin	2111	SLE-ENVE	Combination	Max	0	0	0	0	0
983	983	Shell-Thin	1381	SLE-ENVE	Combination	Max	0	0	0	0	0
983	983	Shell-Thin	1360	SLE-ENVE	Combination	Max	0	0	0	0	0
983	983	Shell-Thin	2113	SLE-ENVE	Combination	Max	0	0	0	0	0
983	983	Shell-Thin	2111	SLE-ENVE	Combination	Min	0	0	0	0	0
983	983	Shell-Thin	1381	SLE-ENVE	Combination	Min	0	0	0	0	0
983	983	Shell-Thin	1360	SLE-ENVE	Combination	Min	0	0	0	0	0
983	983	Shell-Thin	2113	SLE-ENVE	Combination	Min	0	0	0	0	0
984	984	Shell-Thin	1359	SLU-ENVE	Combination	Max	0	0	0	0	0
984	984	Shell-Thin	2112	SLU-ENVE	Combination	Max	0	0	0	0	0
984	984	Shell-Thin	2114	SLU-ENVE	Combination	Max	0	0	0	0	0
984	984	Shell-Thin	1338	SLU-ENVE	Combination	Max	0	0	0	0	0
984	984	Shell-Thin	1359	SLU-ENVE	Combination	Min	0	0	0	0	0
984	984	Shell-Thin	2112	SLU-ENVE	Combination	Min	0	0	0	0	0
984	984	Shell-Thin	2114	SLU-ENVE	Combination	Min	0	0	0	0	0
984	984	Shell-Thin	1338	SLU-ENVE	Combination	Min	0	0	0	0	0
984	984	Shell-Thin	1359	SLE-ENVE	Combination	Max	0	0	0	0	0
984	984	Shell-Thin	2112	SLE-ENVE	Combination	Max	0	0	0	0	0
984	984	Shell-Thin	2114	SLE-ENVE	Combination	Max	0	0	0	0	0
984	984	Shell-Thin	1338	SLE-ENVE	Combination	Max	0	0	0	0	0
984	984	Shell-Thin	1359	SLE-ENVE	Combination	Min	0	0	0	0	0
984	984	Shell-Thin	2112	SLE-ENVE	Combination	Min	0	0	0	0	0
984	984	Shell-Thin	2114	SLE-ENVE	Combination	Min	0	0	0	0	0
984	984	Shell-Thin	1338	SLE-ENVE	Combination	Min	0	0	0	0	0
985	985	Shell-Thin	2112	SLU-ENVE	Combination	Max	0	0	0	0	0
985	985	Shell-Thin	2113	SLU-ENVE	Combination	Max	0	0	0	0	0
985	985	Shell-Thin	2115	SLU-ENVE	Combination	Max	0	0	0	0	0
985	985	Shell-Thin	2114	SLU-ENVE	Combination	Max	0	0	0	0	0
985	985	Shell-Thin	2112	SLU-ENVE	Combination	Min	0	0	0	0	0
985	985	Shell-Thin	2113	SLU-ENVE	Combination	Min	0	0	0	0	0
985	985	Shell-Thin	2115	SLU-ENVE	Combination	Min	0	0	0	0	0
985	985	Shell-Thin	2114	SLU-ENVE	Combination	Min	0	0	0	0	0
985	985	Shell-Thin	2112	SLE-ENVE	Combination	Max	0	0	0	0	0
985	985	Shell-Thin	2113	SLE-ENVE	Combination	Max	0	0	0	0	0
985	985	Shell-Thin	2115	SLE-ENVE	Combination	Max	0	0	0	0	0
985	985	Shell-Thin	2114	SLE-ENVE	Combination	Max	0	0	0	0	0
985	985	Shell-Thin	2112	SLE-ENVE	Combination	Min	0	0	0	0	0
985	985	Shell-Thin	2113	SLE-ENVE	Combination	Min	0	0	0	0	0
985	985	Shell-Thin	2115	SLE-ENVE	Combination	Min	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
985	985	Shell-Thin	2114	SLE-ENVE	Combination	Min	0	0	0	0	0
986	986	Shell-Thin	2113	SLU-ENVE	Combination	Max	0	0	0	0	0
986	986	Shell-Thin	1360	SLU-ENVE	Combination	Max	0	0	0	0	0
986	986	Shell-Thin	1339	SLU-ENVE	Combination	Max	0	0	0	0	0
986	986	Shell-Thin	2115	SLU-ENVE	Combination	Max	0	0	0	0	0
986	986	Shell-Thin	2113	SLU-ENVE	Combination	Min	0	0	0	0	0
986	986	Shell-Thin	1360	SLU-ENVE	Combination	Min	0	0	0	0	0
986	986	Shell-Thin	1339	SLU-ENVE	Combination	Min	0	0	0	0	0
986	986	Shell-Thin	2115	SLU-ENVE	Combination	Min	0	0	0	0	0
986	986	Shell-Thin	2113	SLE-ENVE	Combination	Max	0	0	0	0	0
986	986	Shell-Thin	1360	SLE-ENVE	Combination	Max	0	0	0	0	0
986	986	Shell-Thin	1339	SLE-ENVE	Combination	Max	0	0	0	0	0
986	986	Shell-Thin	2115	SLE-ENVE	Combination	Max	0	0	0	0	0
986	986	Shell-Thin	2113	SLE-ENVE	Combination	Min	0	0	0	0	0
986	986	Shell-Thin	1360	SLE-ENVE	Combination	Min	0	0	0	0	0
986	986	Shell-Thin	1339	SLE-ENVE	Combination	Min	0	0	0	0	0
986	986	Shell-Thin	2115	SLE-ENVE	Combination	Min	0	0	0	0	0
987	987	Shell-Thin	1338	SLU-ENVE	Combination	Max	0	0	0	0	0
987	987	Shell-Thin	2114	SLU-ENVE	Combination	Max	0	0	0	0	0
987	987	Shell-Thin	2116	SLU-ENVE	Combination	Max	0	0	0	0	0
987	987	Shell-Thin	1317	SLU-ENVE	Combination	Max	0	0	0	0	0
987	987	Shell-Thin	1338	SLU-ENVE	Combination	Min	0	0	0	0	0
987	987	Shell-Thin	2114	SLU-ENVE	Combination	Min	0	0	0	0	0
987	987	Shell-Thin	2116	SLU-ENVE	Combination	Min	0	0	0	0	0
987	987	Shell-Thin	1317	SLU-ENVE	Combination	Min	0	0	0	0	0
987	987	Shell-Thin	1338	SLE-ENVE	Combination	Max	0	0	0	0	0
987	987	Shell-Thin	2114	SLE-ENVE	Combination	Max	0	0	0	0	0
987	987	Shell-Thin	2116	SLE-ENVE	Combination	Max	0	0	0	0	0
987	987	Shell-Thin	1317	SLE-ENVE	Combination	Max	0	0	0	0	0
987	987	Shell-Thin	1338	SLE-ENVE	Combination	Min	0	0	0	0	0
987	987	Shell-Thin	2114	SLE-ENVE	Combination	Min	0	0	0	0	0
987	987	Shell-Thin	2116	SLE-ENVE	Combination	Min	0	0	0	0	0
987	987	Shell-Thin	1317	SLE-ENVE	Combination	Min	0	0	0	0	0
988	988	Shell-Thin	2114	SLU-ENVE	Combination	Max	0	0	0	0	0
988	988	Shell-Thin	2115	SLU-ENVE	Combination	Max	0	0	0	0	0
988	988	Shell-Thin	2117	SLU-ENVE	Combination	Max	0	0	0	0	0
988	988	Shell-Thin	2116	SLU-ENVE	Combination	Max	0	0	0	0	0
988	988	Shell-Thin	2114	SLU-ENVE	Combination	Min	0	0	0	0	0
988	988	Shell-Thin	2115	SLU-ENVE	Combination	Min	0	0	0	0	0
988	988	Shell-Thin	2117	SLU-ENVE	Combination	Min	0	0	0	0	0
988	988	Shell-Thin	2116	SLU-ENVE	Combination	Min	0	0	0	0	0
988	988	Shell-Thin	2114	SLE-ENVE	Combination	Max	0	0	0	0	0
988	988	Shell-Thin	2115	SLE-ENVE	Combination	Max	0	0	0	0	0
988	988	Shell-Thin	2117	SLE-ENVE	Combination	Max	0	0	0	0	0
988	988	Shell-Thin	2116	SLE-ENVE	Combination	Max	0	0	0	0	0
988	988	Shell-Thin	2114	SLE-ENVE	Combination	Min	0	0	0	0	0
988	988	Shell-Thin	2115	SLE-ENVE	Combination	Min	0	0	0	0	0
988	988	Shell-Thin	2117	SLE-ENVE	Combination	Min	0	0	0	0	0
988	988	Shell-Thin	2116	SLE-ENVE	Combination	Min	0	0	0	0	0
989	989	Shell-Thin	2115	SLU-ENVE	Combination	Max	0	0	0	0	0
989	989	Shell-Thin	1339	SLU-ENVE	Combination	Max	0	0	0	0	0
989	989	Shell-Thin	1318	SLU-ENVE	Combination	Max	0	0	0	0	0
989	989	Shell-Thin	2117	SLU-ENVE	Combination	Max	0	0	0	0	0

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Table: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
989	989	Shell-Thin	2115	SLU-ENVE	Combination	Min	0	0	0	0	0
989	989	Shell-Thin	1339	SLU-ENVE	Combination	Min	0	0	0	0	0
989	989	Shell-Thin	1318	SLU-ENVE	Combination	Min	0	0	0	0	0
989	989	Shell-Thin	2117	SLU-ENVE	Combination	Min	0	0	0	0	0
989	989	Shell-Thin	2115	SLE-ENVE	Combination	Max	0	0	0	0	0
989	989	Shell-Thin	1339	SLE-ENVE	Combination	Max	0	0	0	0	0
989	989	Shell-Thin	1318	SLE-ENVE	Combination	Max	0	0	0	0	0
989	989	Shell-Thin	2117	SLE-ENVE	Combination	Max	0	0	0	0	0
989	989	Shell-Thin	2115	SLE-ENVE	Combination	Min	0	0	0	0	0
989	989	Shell-Thin	1339	SLE-ENVE	Combination	Min	0	0	0	0	0
989	989	Shell-Thin	1318	SLE-ENVE	Combination	Min	0	0	0	0	0
989	989	Shell-Thin	2117	SLE-ENVE	Combination	Min	0	0	0	0	0
993	993	Shell-Thin	1172	SLU-ENVE	Combination	Max	0	0	0	0	0
993	993	Shell-Thin	2118	SLU-ENVE	Combination	Max	0	0	0	0	0
993	993	Shell-Thin	2120	SLU-ENVE	Combination	Max	1,942E-20	0	0	1,99E-20	0
993	993	Shell-Thin	1127	SLU-ENVE	Combination	Max	1,947E-20	0	0	1,995E-20	0
993	993	Shell-Thin	1172	SLU-ENVE	Combination	Min	0	0	0	0	0
993	993	Shell-Thin	2118	SLU-ENVE	Combination	Min	0	0	0	0	0
993	993	Shell-Thin	2120	SLU-ENVE	Combination	Min	0	0	0	0	0
993	993	Shell-Thin	1127	SLU-ENVE	Combination	Min	0	0	0	0	0
993	993	Shell-Thin	1172	SLE-ENVE	Combination	Max	0	0	0	0	0
993	993	Shell-Thin	2118	SLE-ENVE	Combination	Max	0	0	0	0	0
993	993	Shell-Thin	2120	SLE-ENVE	Combination	Max	0	0	0	1,009E-20	0
993	993	Shell-Thin	1127	SLE-ENVE	Combination	Max	0	0	0	1,012E-20	0
993	993	Shell-Thin	1172	SLE-ENVE	Combination	Min	0	0	0	0	0
993	993	Shell-Thin	2118	SLE-ENVE	Combination	Min	0	0	0	0	0
993	993	Shell-Thin	2120	SLE-ENVE	Combination	Min	0	0	0	0	0
993	993	Shell-Thin	1127	SLE-ENVE	Combination	Min	0	0	0	0	0
994	994	Shell-Thin	2118	SLU-ENVE	Combination	Max	0	0	0	0	0
994	994	Shell-Thin	2119	SLU-ENVE	Combination	Max	0	0	0	0	0
994	994	Shell-Thin	2121	SLU-ENVE	Combination	Max	1,903E-20	0	0	1,93E-20	0
994	994	Shell-Thin	2120	SLU-ENVE	Combination	Max	1,891E-20	0	0	1,94E-20	0
994	994	Shell-Thin	2118	SLU-ENVE	Combination	Min	0	0	0	0	0
994	994	Shell-Thin	2119	SLU-ENVE	Combination	Min	0	0	0	0	0
994	994	Shell-Thin	2121	SLU-ENVE	Combination	Min	0	0	0	0	0
994	994	Shell-Thin	2120	SLU-ENVE	Combination	Min	0	0	0	0	0
994	994	Shell-Thin	2118	SLE-ENVE	Combination	Max	0	0	0	0	0
994	994	Shell-Thin	2119	SLE-ENVE	Combination	Max	0	0	0	0	0
994	994	Shell-Thin	2121	SLE-ENVE	Combination	Max	0	0	0	0	0
994	994	Shell-Thin	2120	SLE-ENVE	Combination	Max	0	0	0	0	0
994	994	Shell-Thin	2118	SLE-ENVE	Combination	Min	0	0	0	0	0
994	994	Shell-Thin	2119	SLE-ENVE	Combination	Min	0	0	0	0	0
994	994	Shell-Thin	2121	SLE-ENVE	Combination	Min	0	0	0	0	0
994	994	Shell-Thin	2120	SLE-ENVE	Combination	Min	0	0	0	0	0
995	995	Shell-Thin	2119	SLU-ENVE	Combination	Max	0	0	0	0	0
995	995	Shell-Thin	1173	SLU-ENVE	Combination	Max	0	0	0	0	0
995	995	Shell-Thin	1113	SLU-ENVE	Combination	Max	1,816E-20	0	0	1,838E-20	0

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**Table: Element Forces - Area Shells, Part 1 of 3**

Area	AreaElem	ShellType	Joint	OutputCase	CaseType	StepType	F11	F22	F12	FMax	FMin
							KN/m	KN/m	KN/m	KN/m	KN/m
995	995	Shell-Thin	2121	SLU-ENVE	Combination	Max	1,838E-20	0	0	1,889E-20	0
995	995	Shell-Thin	2119	SLU-ENVE	Combination	Min	0	0	0	0	0
995	995	Shell-Thin	1173	SLU-ENVE	Combination	Min	0	0	0	0	0
995	995	Shell-Thin	1113	SLU-ENVE	Combination	Min	0	0	0	0	0
995	995	Shell-Thin	2121	SLU-ENVE	Combination	Min	0	0	0	0	0
995	995	Shell-Thin	2119	SLE-ENVE	Combination	Max	0	0	0	0	0
995	995	Shell-Thin	1173	SLE-ENVE	Combination	Max	0	0	0	0	0
995	995	Shell-Thin	1113	SLE-ENVE	Combination	Max	0	0	0	0	0
995	995	Shell-Thin	2121	SLE-ENVE	Combination	Max	0	0	0	0	0
995	995	Shell-Thin	2119	SLE-ENVE	Combination	Min	0	0	0	0	0
995	995	Shell-Thin	1173	SLE-ENVE	Combination	Min	0	0	0	0	0
995	995	Shell-Thin	1113	SLE-ENVE	Combination	Min	0	0	0	0	0
995	995	Shell-Thin	2121	SLE-ENVE	Combination	Min	0	0	0	0	0

**Table: Element Forces - Area Shells, Part 2 of 3**

**Table: Element Forces - Area Shells, Part 2 of 3**

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
1	1	928	SLU-ENVE	Max	-89,491	0	0,0205	3,4544	2,3049	4,6116	-1,1366
1	1	1309	SLU-ENVE	Max	50,463	0	-0,8326	2,3073	2,3926	3,599	-2,1243
1	1	1	SLU-ENVE	Max	58,722	0	-0,6929	2,2211	2,2203	3,4197	-1,8915
1	1	2	SLU-ENVE	Max	-78,727	0	-0,0095	3,0352	2,1326	4,1331	-1,1073
1	1	928	SLU-ENVE	Min	-40,392	0	-0,0104	-1,7446	-2,2275	1,5128	-3,2678
1	1	1309	SLU-ENVE	Min	6,881	0	-4,5253	-1,7332	-2,3708	-0,378	-5,8806
1	1	1	SLU-ENVE	Min	84,976	0	-4,8247	-1,4454	-2,1378	-0,4101	-5,86
1	1	2	SLU-ENVE	Min	-65,742	0	-0,0098	-1,8048	-1,9945	1,2798	-3,0944
1	1	928	SLE-ENVE	Max	-80,864	0	0,0119	2,046	1,2735	2,6588	-0,6008
1	1	1309	SLE-ENVE	Max	49,777	0	-0,9097	1,327	1,3169	1,9363	-1,5191
1	1	1	SLE-ENVE	Max	59,314	0	-0,8427	1,3016	1,2273	1,8591	-1,4002
1	1	2	SLE-ENVE	Max	-75,359	0	-0,0063	1,7943	1,1839	2,3814	-0,5933
1	1	928	SLE-ENVE	Min	-41,977	0	-0,0052	-0,8726	-1,2349	0,8699	-1,7478
1	1	1309	SLE-ENVE	Min	28,518	0	-2,9519	-0,9548	-1,3186	-0,2993	-3,6074
1	1	1	SLE-ENVE	Min	70,237	0	-3,1252	-0,7724	-1,1852	-0,2788	-3,6187
1	1	2	SLE-ENVE	Min	-65,853	0	-0,0064	-0,922	-1,1015	0,7287	-1,657
2	2	2	SLU-ENVE	Max	54,737	0	-0,0079	3,0332	1,9515	3,9866	-0,9613
2	2	1	SLU-ENVE	Max	-80,614	0	-0,6922	2,2246	2,0983	3,3215	-1,7891
2	2	1164	SLU-ENVE	Max	37,693	0	-0,5523	1,7546	1,9237	2,8442	-1,6419
2	2	926	SLU-ENVE	Max	43,593	0	0,0784	2,8841	1,7769	3,7452	-0,7827
2	2	2	SLU-ENVE	Min	84,535	0	-0,0102	-1,7967	-1,6891	1,0073	-2,8143
2	2	1	SLU-ENVE	Min	-68,483	0	-4,8254	-1,4487	-1,905	-0,5916	-5,6826
2	2	1164	SLU-ENVE	Min	-31,001	0	-5,1374	-0,9603	-1,6211	-0,4049	-5,6928
2	2	926	SLU-ENVE	Min	47,415	0	-0,0273	-1,3518	-1,4053	0,864	-2,243
2	2	2	SLE-ENVE	Max	56,569	0	-0,0053	1,7936	1,0924	2,3092	-0,5209
2	2	1	SLE-ENVE	Max	-77,055	0	-0,8423	1,3036	1,1698	1,818	-1,3567
2	2	1164	SLE-ENVE	Max	24,117	0	-0,7753	1,0486	1,0826	1,5522	-1,2789
2	2	926	SLE-ENVE	Max	43,462	0	0,0478	1,7271	1,0053	2,1973	-0,4223
2	2	2	SLE-ENVE	Min	78,784	0	-0,0065	-0,9171	-0,9246	0,5688	-1,4925
2	2	1	SLE-ENVE	Min	-65,909	0	-3,1255	-0,7742	-1,0489	-0,3743	-3,5254
2	2	1164	SLE-ENVE	Min	-30,489	0	-3,3069	-0,4937	-0,8845	-0,2387	-3,5618

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Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
2	2	926	SLE-ENVE	Min	45,662	0	-0,0121	-0,6466	-0,7601	0,4943	-1,153
3	3	1309	SLU-ENVE	Max	53,474	0	-0,8402	2,3057	2,509	3,6941	-2,2286
3	3	1310	SLU-ENVE	Max	58,684	0	-4,9505	0,7229	2,697	1,8004	-6,028
3	3	3	SLU-ENVE	Max	39,528	0	-4,6284	0,8744	2,5595	1,8808	-5,6348
3	3	1	SLU-ENVE	Max	43,273	0	-0,698	2,22	2,3715	3,5454	-2,0233
3	3	1309	SLU-ENVE	Min	-52,149	0	-4,5343	-1,735	-2,6318	-0,1538	-6,1155
3	3	1310	SLU-ENVE	Min	-46,961	0	-13,6206	-2,8674	-3,0761	-2,0496	-14,4384
3	3	3	SLU-ENVE	Min	-34,26	0	-14,2464	-2,3626	-2,9041	-1,6909	-14,9181
3	3	1	SLU-ENVE	Min	12,19	0	-4,8156	-1,4435	-2,4597	-0,1475	-6,1117
3	3	1309	SLE-ENVE	Max	53,642	0	-0,9152	1,3259	1,3702	1,9754	-1,5647
3	3	1310	SLE-ENVE	Max	60,845	0	-4,3245	0,2249	1,4568	0,6514	-4,751
3	3	3	SLE-ENVE	Max	38,573	0	-4,1618	0,3708	1,3854	0,7607	-4,5517
3	3	1	SLE-ENVE	Max	42,885	0	-0,8457	1,301	1,2987	1,9125	-1,4572
3	3	1309	SLE-ENVE	Min	85,998	0	-2,958	-0,956	-1,4714	-0,1773	-3,7366
3	3	1310	SLE-ENVE	Min	-51,118	0	-8,8931	-1,7651	-1,7305	-1,3672	-9,291
3	3	3	SLE-ENVE	Min	-29,695	0	-9,25	-1,4355	-1,6326	-1,1081	-9,5774
3	3	1	SLE-ENVE	Min	32,148	0	-3,1198	-0,7713	-1,3735	-0,1385	-3,7526
4	4	1	SLU-ENVE	Max	35,019	0	-0,6973	2,2236	2,2419	3,4388	-1,9124
4	4	3	SLU-ENVE	Max	41,046	0	-4,6277	0,878	2,4624	1,8187	-5,5683
4	4	1165	SLU-ENVE	Max	45,91	0	-4,3493	0,8244	2,3863	1,757	-5,2818
4	4	1164	SLU-ENVE	Max	-49,328	0	-0,5509	1,7549	2,1658	3,0556	-1,8516
4	4	1	SLU-ENVE	Min	-33,326	0	-4,8163	-1,4469	-2,2284	-0,338	-5,9252
4	4	3	SLU-ENVE	Min	-0,884	0	-14,2453	-2,3576	-2,7346	-1,7587	-14,8442
4	4	1165	SLU-ENVE	Min	-51,954	0	-14,9077	-1,7683	-2,5137	-1,3039	-15,3722
4	4	1164	SLU-ENVE	Min	-49,902	0	-5,1543	-0,9637	-2,0075	-0,1572	-5,9607
4	4	1	SLE-ENVE	Max	33,815	0	-0,8453	1,303	1,2369	1,867	-1,4094
4	4	3	SLE-ENVE	Max	40,859	0	-4,1612	0,3735	1,3398	0,7398	-4,5275
4	4	1165	SLE-ENVE	Max	46,395	0	-4,0318	0,3901	1,3113	0,7497	-4,3914
4	4	1164	SLE-ENVE	Max	-49,392	0	-0,7753	1,0486	1,2084	1,6505	-1,3773
4	4	1	SLE-ENVE	Min	-22,267	0	-3,1202	-0,7732	-1,2387	-0,2404	-3,653
4	4	3	SLE-ENVE	Min	32,359	0	-9,2494	-1,4322	-1,5342	-1,1418	-9,5397
4	4	1165	SLE-ENVE	Min	-74,894	0	-9,6318	-1,0638	-1,4028	-0,84	-9,8556
4	4	1164	SLE-ENVE	Min	-49,993	0	-3,318	-0,4959	-1,1072	-0,1133	-3,7006
18	18	1310	SLU-ENVE	Max	41,075	0	-4,9503	0,723	2,9769	1,9984	-6,2257
18	18	1311	SLU-ENVE	Max	41,885	0	-12,4839	-1,675	3,4054	-0,6916	-13,4673
18	18	4	SLU-ENVE	Max	45,783	0	-11,6646	-1,4164	3,2205	-0,4884	-12,5926
18	18	3	SLU-ENVE	Max	55,474	0	-4,6605	0,8679	2,792	2,0326	-5,8252
18	18	1310	SLU-ENVE	Min	-43,058	0	-13,6246	-2,8683	-3,639	-1,7528	-14,7401
18	18	1311	SLU-ENVE	Min	-44,036	0	-27,7789	-5,4005	-4,4419	-4,5511	-28,6283
18	18	4	SLU-ENVE	Min	-55,079	0	-28,875	-5,0102	-4,3818	-4,2311	-29,6541
18	18	3	SLU-ENVE	Min	-55,055	0	-14,2775	-2,3688	-3,5789	-1,376	-15,2703
18	18	1310	SLE-ENVE	Max	40,418	0	-4,3249	0,2248	1,5951	0,7283	-4,8284
18	18	1311	SLE-ENVE	Max	41,71	0	-10,3247	-1,5087	1,8108	-1,1512	-10,6821
18	18	4	SLE-ENVE	Max	46,348	0	-9,8777	-1,3048	1,6998	-0,9801	-10,2024
18	18	3	SLE-ENVE	Max	60,505	0	-4,1851	0,3661	1,484	0,8073	-4,6262
18	18	1310	SLE-ENVE	Min	-43,449	0	-8,8957	-1,7657	-2,0537	-1,2165	-9,4449
18	18	1311	SLE-ENVE	Min	-42,445	0	-17,8718	-3,433	-2,5111	-3,0088	-18,296
18	18	4	SLE-ENVE	Min	-63,782	0	-18,4747	-3,1618	-2,4854	-2,7685	-18,868
18	18	3	SLE-ENVE	Min	-57,909	0	-9,2713	-1,4397	-2,028	-0,9457	-9,7652
19	19	3	SLU-ENVE	Max	46,608	0	-4,6598	0,8716	2,7027	1,9729	-5,7611
19	19	4	SLU-ENVE	Max	45,023	0	-11,6666	-1,4262	2,9711	-0,6266	-12,4662
19	19	1166	SLU-ENVE	Max	30,649	0	-11,0931	-0,4881	2,8815	0,2443	-11,8255

AUTOSTRADA VALDASTICO A31 NORD

1° LOTTO – Piovene Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
19	19	1165	SLU-ENVE	Max	38,577	0	-4,4135	0,8116	2,6131	1,8941	-5,4961
19	19	3	SLU-ENVE	Min	-65,559	0	-14,2765	-2,3638	-3,3999	-1,4618	-15,1785
19	19	4	SLU-ENVE	Min	-59,354	0	-28,8739	-5,0047	-4,3976	-4,2203	-29,6583
19	19	1166	SLU-ENVE	Min	-57,166	0	-30,1529	-3,1995	-4,2001	-2,5602	-30,7922
19	19	1165	SLU-ENVE	Min	42,525	0	-14,912	-1,7692	-3,2023	-1,0304	-15,6508
19	19	3	SLE-ENVE	Max	47,4	0	-4,1845	0,3689	1,4438	0,7881	-4,6037
19	19	4	SLE-ENVE	Max	52,464	0	-9,8788	-1,3107	1,5409	-1,042	-10,1475
19	19	1166	SLE-ENVE	Max	30,362	0	-9,6041	-0,5598	1,5018	-0,3169	-9,8469
19	19	1165	SLE-ENVE	Max	38,746	0	-4,0732	0,3818	1,4046	0,7877	-4,4791
19	19	3	SLE-ENVE	Min	-82,388	0	-9,2706	-1,4364	-1,9228	-0,9899	-9,7171
19	19	4	SLE-ENVE	Min	-60,215	0	-18,4742	-3,1592	-2,5108	-2,758	-18,8753
19	19	1166	SLE-ENVE	Min	-57,865	0	-19,21	-1,9918	-2,3957	-1,6647	-19,5371
19	19	1165	SLE-ENVE	Min	41,946	0	-9,6383	-1,0651	-1,8076	-0,6995	-10,0039
20	20	1311	SLU-ENVE	Max	43,822	0	-12,5822	-1,6947	4,1011	-0,3227	-13,9541
20	20	1050	SLU-ENVE	Max	29,999	0	-23,8573	-4,9842	4,7191	-3,87	-24,9715
20	20	5	SLU-ENVE	Max	27,97	0	-23,3834	-4,2599	4,5593	-3,2285	-24,4148
20	20	4	SLU-ENVE	Max	39,666	0	-11,3601	-1,3555	3,9413	0,0106	-12,7262
20	20	1311	SLU-ENVE	Min	-40,068	0	-28,0021	-5,4452	-5,262	-4,2781	-29,1692
20	20	1050	SLU-ENVE	Min	0,645	0	-46,3877	-9,6694	-6,9441	-8,4	-47,6571
20	20	5	SLU-ENVE	Min	-7,802	0	-49,8248	-8,5733	-6,9358	-7,4384	-50,9597
20	20	4	SLU-ENVE	Min	-36,841	0	-28,2717	-4,8896	-5,2537	-3,7633	-29,3979
20	20	1311	SLE-ENVE	Max	43,68	0	-10,4059	-1,5249	2,1996	-1,01	-10,9208
20	20	1050	SLE-ENVE	Max	26,506	0	-19,153	-3,9823	2,4734	-3,5892	-19,5461
20	20	5	SLE-ENVE	Max	25,353	0	-19,0991	-3,4127	2,3722	-3,0619	-19,45
20	20	4	SLE-ENVE	Max	39,145	0	-9,635	-1,2563	2,0984	-0,7602	-10,1311
20	20	1311	SLE-ENVE	Min	-41,147	0	-18,0115	-3,461	-2,957	-2,883	-18,5895
20	20	1050	SLE-ENVE	Min	-1,526	0	-29,8083	-6,2155	-3,9191	-5,5815	-30,4423
20	20	5	SLE-ENVE	Min	-6,512	0	-31,8194	-5,5074	-3,9266	-4,9339	-32,3929
20	20	4	SLE-ENVE	Min	-32,903	0	-18,0926	-3,0854	-2,9645	-2,521	-18,657
26	26	934	SLU-ENVE	Max	80,238	0	0,0013	1,7376	4,1857	5,1442	-3,4053
26	26	1372	SLU-ENVE	Max	81,829	0	-1,7586	0,8713	4,1973	3,9548	-4,8421
26	26	1351	SLU-ENVE	Max	81,243	0	-1,4172	1,5298	3,9415	4,2642	-4,1516
26	26	932	SLU-ENVE	Max	79,179	0	0,0024	2,5266	3,9299	5,3921	-2,8631
26	26	934	SLU-ENVE	Min	-10,136	0	-0,0015	-0,1846	-3,7414	3,6494	-3,8356
26	26	1372	SLU-ENVE	Min	-32,564	0	-3,1745	-0,525	-3,7549	2,1319	-5,8315
26	26	1351	SLU-ENVE	Min	-21,203	0	-3,5608	-1,2886	-3,5933	1,3439	-6,1933
26	26	932	SLU-ENVE	Min	-5,984	0	-0,0046	-1,0583	-3,5798	3,0869	-4,1498
26	26	934	SLE-ENVE	Max	79,939	0	0,0006412	0,9957	2,3223	2,8732	-1,8769
26	26	1372	SLE-ENVE	Max	82,601	0	-1,4073	0,423	2,3273	2,0086	-2,9929
26	26	1351	SLE-ENVE	Max	81,853	0	-1,2158	0,8105	2,1824	2,2035	-2,6088
26	26	932	SLE-ENVE	Max	78,738	0	0,0012	1,4576	2,1775	3,0255	-1,5667
26	26	934	SLE-ENVE	Min	-7,802	0	-	-0,0962	-2,0667	2,0187	-2,1158
						0,0009284					
26	26	1372	SLE-ENVE	Min	-36,854	0	-2,1967	-0,3756	-2,075	0,9798	-3,5522
26	26	1351	SLE-ENVE	Min	-24,484	0	-2,4075	-0,7822	-1,9875	0,5523	-3,7421
26	26	932	SLE-ENVE	Min	-2,445	0	-0,0027	-0,5612	-1,9792	1,7168	-2,2807
27	27	932	SLU-ENVE	Max	85,699	0	-1,435E-05	2,5087	3,6356	5,1003	-2,5916
27	27	1351	SLU-ENVE	Max	67,219	0	-1,4164	1,5339	3,6539	3,9992	-3,8816
27	27	1330	SLU-ENVE	Max	68,581	0	-1,0961	2,0821	3,3346	4,1869	-3,2009
27	27	930	SLU-ENVE	Max	86,386	0	0,0025	3,1425	3,3164	5,2417	-2,0967
27	27	932	SLU-ENVE	Min	-21,204	0	-0,0012	-1,0353	-3,3669	2,8882	-3,9247

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell’Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
27	27	1351	SLU-ENVE	Min	-17,188	0	-3,5627	-1,2983	-3,4156	1,1679	-6,0289
27	27	1330	SLU-ENVE	Min	-20,351	0	-4,0052	-1,7746	-3,1812	0,481	-6,2609
27	27	930	SLU-ENVE	Min	-25,659	0	-0,0096	-1,6514	-3,1325	2,4077	-4,0688
27	27	932	SLE-ENVE	Max	86,37	0	-	1,4479	2,0121	2,8623	-1,4145
							0,0001247				
27	27	1351	SLE-ENVE	Max	66,674	0	-1,2154	0,8125	2,0185	2,0574	-2,4603
27	27	1330	SLE-ENVE	Max	68,513	0	-1,0413	1,1542	1,8387	2,1979	-2,085
27	27	930	SLE-ENVE	Max	87,121	0	0,000904	1,8332	1,8323	2,9656	-1,1316
27	27	932	SLE-ENVE	Min	-27,77	0	-	-0,5484	-1,8629	1,6083	-2,1575
							0,0007914				
27	27	1351	SLE-ENVE	Min	-12,098	0	-2,4087	-0,7878	-1,8926	0,4606	-3,657
27	27	1330	SLE-ENVE	Min	-16,553	0	-2,6545	-1,0203	-1,7651	0,1077	-3,7824
27	27	930	SLE-ENVE	Min	-36,645	0	-0,0057	-0,8602	-1,7354	1,3542	-2,2202
28	28	930	SLU-ENVE	Max	67,487	0	0,0001085	3,1304	2,9639	4,917	-1,7865
28	28	1330	SLU-ENVE	Max	75,384	0	-1,0949	2,0882	3,0001	3,8928	-2,8995
28	28	1309	SLU-ENVE	Max	68,667	0	-0,8283	2,3285	2,645	3,8302	-2,3301
28	28	928	SLU-ENVE	Max	61,61	0	0,005	3,3766	2,6087	4,7968	-1,4152
28	28	930	SLU-ENVE	Min	-79,46	0	-0,0053	-1,6297	-2,8285	2,1253	-3,7603
28	28	1330	SLU-ENVE	Min	-47,854	0	-4,0062	-1,7796	-2,9349	0,246	-6,0319
28	28	1309	SLU-ENVE	Min	-24,921	0	-4,5287	-1,75	-2,6237	-0,1705	-6,1081
28	28	928	SLU-ENVE	Min	-0,426	0	0,0009821	-1,6875	-2,5173	1,8118	-3,4984
28	28	930	SLE-ENVE	Max	67,47	0	-	1,8273	1,6365	2,7878	-0,9608
							0,0002734				
28	28	1330	SLE-ENVE	Max	76,946	0	-1,0406	1,1576	1,6502	2,0412	-1,9242
28	28	1309	SLE-ENVE	Max	69,106	0	-0,9074	1,3388	1,4537	2,0527	-1,6213
28	28	928	SLE-ENVE	Max	60,644	0	0,0032	2,0022	1,4401	2,7557	-0,7502
28	28	930	SLE-ENVE	Min	84,16	0	-0,0033	-0,8479	-1,5676	1,1979	-2,0491
28	28	1330	SLE-ENVE	Min	-52,475	0	-2,6551	-1,0229	-1,6317	-0,0146	-3,6634
28	28	1309	SLE-ENVE	Min	-26,933	0	-2,9538	-0,9639	-1,46	-0,1921	-3,7256
28	28	928	SLE-ENVE	Min	25,681	0	0,0009182	-0,8418	-1,3959	1,0377	-1,8786
29	29	4	SLU-ENVE	Max	31,421	0	-11,3621	-1,3653	3,4211	-0,3067	-12,4208
29	29	5	SLU-ENVE	Max	36,418	0	-23,3875	-4,2805	4,7895	-3,1471	-24,5209
29	29	1049	SLU-ENVE	Max	30,88	0	-20,0494	-4,5472	4,5002	-3,3356	-21,2611
29	29	1166	SLU-ENVE	Max	3,547	0	-11,3023	-0,5299	3,1318	0,3144	-12,1466
29	29	4	SLU-ENVE	Min	-41,639	0	-28,2706	-4,8841	-5,7725	-3,5368	-29,6178
29	29	5	SLU-ENVE	Min	-30,148	0	-49,8455	-8,6769	-6,3082	-7,732	-50,7904
29	29	1049	SLU-ENVE	Min	-41,539	0	-48,1337	-8,8603	-6,4689	-7,8222	-49,1718
29	29	1166	SLU-ENVE	Min	-71,497	0	-31,0018	-3,3693	-5,9332	-2,1492	-32,2219
29	29	4	SLE-ENVE	Max	29,173	0	-9,6362	-1,2622	1,7271	-0,9199	-9,9784
29	29	5	SLE-ENVE	Max	34,83	0	-19,1034	-3,4344	2,5682	-3,0242	-19,5136
29	29	1049	SLE-ENVE	Max	30,221	0	-16,8199	-3,6287	2,3698	-3,2158	-17,2327
29	29	1166	SLE-ENVE	Max	-0,257	0	-9,8076	-0,6005	1,5287	-0,3533	-10,0548
29	29	4	SLE-ENVE	Min	-41,395	0	-18,092	-3,0827	-3,3109	-2,3848	-18,7899
29	29	5	SLE-ENVE	Min	-24,507	0	-31,8323	-5,5717	-3,5414	-5,1025	-32,3015
29	29	1049	SLE-ENVE	Min	-33,822	0	-30,5622	-5,6647	-3,6605	-5,1377	-31,0893
29	29	1166	SLE-ENVE	Min	-68,225	0	-19,7367	-2,0971	-3,4301	-1,4536	-20,3802
30	30	926	SLU-ENVE	Max	12,991	0	0,0689	2,8366	1,4269	3,4405	-0,5349
30	30	1164	SLU-ENVE	Max	41,685	0	-0,5432	1,8002	1,7604	2,7432	-1,4862
30	30	1135	SLU-ENVE	Max	72,862	0	0,3118	0,0403	1,5743	1,7562	-1,4041
30	30	906	SLU-ENVE	Max	-47,887	0	0,0594	0,1589	1,2408	1,351	-1,1327
30	30	926	SLU-ENVE	Min	16,074	0	-0,013	-1,2805	-0,9919	0,5303	-1,8239
30	30	1164	SLU-ENVE	Min	38,512	0	-5,1323	-0,9345	-1,2035	-0,6139	-5,4529
30	30	1135	SLU-ENVE	Min	-84,546	0	-5,7614	-0,0785	-0,7251	0,0126	-5,8525



AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
30	30	906	SLU-ENVE	Min	-47,244	0	-0,1178	-0,0667	-0,5135	0,4218	-0,6064
30	30	926	SLE-ENVE	Max	12,585	0	0,043	1,703	0,8183	2,0385	-0,2925
30	30	1164	SLE-ENVE	Max	41,576	0	-0,769	1,0798	1,0153	1,5284	-1,2177
30	30	1135	SLE-ENVE	Max	74,326	0	-0,2682	0,0193	0,9376	0,8241	-1,073
30	30	906	SLE-ENVE	Max	-47,456	0	0,0293	0,0948	0,7406	0,8034	-0,6793
30	30	926	SLE-ENVE	Min	13,832	0	-0,0037	-0,6043	-0,526	0,3017	-0,9097
30	30	1164	SLE-ENVE	Min	39,942	0	-3,3032	-0,4753	-0,6359	-0,3389	-3,4396
30	30	1135	SLE-ENVE	Min	89,768	0	-3,6378	-0,0457	-0,348	-0,0123	-3,6712
30	30	906	SLE-ENVE	Min	-47,201	0	-0,0707	-0,0291	-0,2381	0,1891	-0,289
44	44	1075	SLU-ENVE	Max	-27,078	0	-65,3347	-14,4241	29,614	-0,8286	-78,9302
44	44	1327	SLU-ENVE	Max	-40,069	0	-41,9585	-8,978	22,7187	2,6043	-53,5408
44	44	6	SLU-ENVE	Max	-33,775	0	-42,7894	-8,4622	22,0653	2,3289	-53,5805
44	44	7	SLU-ENVE	Max	-16,723	0	-75,1598	-10,3266	28,9606	0,7258	-86,2122
44	44	1075	SLU-ENVE	Min	-35,039	0	-78,2127	-16,9	19,3405	-11,3091	-83,8036
44	44	1327	SLU-ENVE	Min	-42,898	0	-52,1804	-11,5379	14,516	-6,8858	-56,8325
44	44	6	SLU-ENVE	Min	-40,249	0	-54,427	-10,8915	14,1162	-6,715	-58,6034
44	44	7	SLU-ENVE	Min	-29,724	0	-91,4354	-12,929	18,9406	-8,5982	-95,7662
44	44	1075	SLE-ENVE	Max	-23,889	0	-40,3311	-8,8567	16,4623	-1,8197	-47,3682
44	44	1327	SLE-ENVE	Max	-40,059	0	-25,7814	-5,4207	12,6254	0,6174	-31,8195
44	44	6	SLE-ENVE	Max	-33,696	0	-26,1557	-5,0782	12,2794	0,5648	-31,7987
44	44	7	SLE-ENVE	Max	-14,311	0	-45,9569	-6,4484	16,1164	-0,7082	-51,6971
44	44	1075	SLE-ENVE	Min	-34,533	0	-49,3541	-10,5871	10,8303	-7,7666	-52,1746
44	44	1327	SLE-ENVE	Min	-42,908	0	-32,3354	-7,059	8,101	-4,6855	-34,7089
44	44	6	SLE-ENVE	Min	-40,204	0	-33,4607	-6,6028	7,886	-4,4585	-35,605
44	44	7	SLE-ENVE	Min	-28,007	0	-56,7937	-8,3055	10,6153	-6,0833	-59,0158
45	45	7	SLU-ENVE	Max	-32,547	0	-75,1998	-10,5264	25,9927	-1,3748	-84,3514
45	45	6	SLU-ENVE	Max	-7,379	0	-42,7851	-8,4403	22,9795	3,0744	-54,2997
45	45	1306	SLU-ENVE	Max	1,136	0	-49,3195	-5,9266	22,6054	3,7097	-58,9558
45	45	1074	SLU-ENVE	Max	-27,907	0	-71,6126	-13,1973	25,6187	-3,554	-81,256
45	45	7	SLU-ENVE	Min	-35,831	1,081E-20	-91,4827	-13,16	16,4162	-9,8584	-94,7843
45	45	6	SLU-ENVE	Min	-25,295	0	-54,4216	-10,8648	15,2013	-6,0843	-59,2022
45	45	1306	SLU-ENVE	Min	-3,416	0	-63,1279	-7,9489	15,0362	-4,1176	-66,9592
45	45	1074	SLU-ENVE	Min	-32,908	1,012E-20	-90,1352	-15,7938	16,2512	-12,3965	-93,5325
45	45	7	SLE-ENVE	Max	-32,486	0	-45,9805	-6,5665	14,4109	-1,8596	-50,6874
45	45	6	SLE-ENVE	Max	-4,525	0	-26,1534	-5,0666	12,8804	1,0353	-32,2554
45	45	1306	SLE-ENVE	Max	2,398	0	-29,936	-3,5216	12,7223	1,6093	-35,0669
45	45	1074	SLE-ENVE	Max	-28,336	0	-43,6105	-8,1209	14,2528	-3,1056	-48,6257
45	45	7	SLE-ENVE	Min	-35,841	0	-56,822	-8,444	9,1472	-6,7722	-58,4938
45	45	6	SLE-ENVE	Min	-20,767	0	-33,4579	-6,5889	8,5594	-4,0939	-35,9529
45	45	1306	SLE-ENVE	Min	0,242	0	-38,4654	-4,7512	8,4968	-2,7309	-40,4858
45	45	1074	SLE-ENVE	Min	-33,077	0	-55,5152	-9,9398	9,0846	-8,1957	-57,2593
46	46	1327	SLU-ENVE	Max	-36,931	0	-41,326	-8,8515	18,9762	-0,1138	-50,0637
46	46	1328	SLU-ENVE	Max	-30,648	0	-21,7936	-6,5478	15,8542	3,421	-31,7623
46	46	8	SLU-ENVE	Max	89,918	0	-23,3668	-5,6358	15,3374	3,214	-32,2166
46	46	6	SLU-ENVE	Max	-43,114	0	-44,3874	-8,7818	18,4594	-0,9391	-52,23
46	46	1327	SLU-ENVE	Min	-41,138	0	-51,4148	-11,3847	12,2014	-7,9589	-54,8407
46	46	1328	SLU-ENVE	Min	-39,022	0	-28,3499	-9,531	10,1885	-5,0717	-32,8093
46	46	8	SLU-ENVE	Min	-62,852	0	-30,7681	-8,3622	9,9114	-4,6072	-34,5231
46	46	6	SLU-ENVE	Min	-44,536	0	-56,2291	-11,2519	11,9242	-8,2861	-59,1948
46	46	1327	SLE-ENVE	Max	-36,764	0	-25,4079	-5,346	10,5784	-0,7988	-29,9551

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
46	46	1328	SLE-ENVE	Max	-29,194	0	-13,439	-3,8103	8,8386	1,4401	-18,6893
46	46	8	SLE-ENVE	Max	81,256	0	-14,3262	-3,2554	8,5661	1,4082	-18,9898
46	46	6	SLE-ENVE	Max	-43,722	0	-27,1054	-5,2682	10,3059	-1,1725	-31,201
46	46	1327	SLE-ENVE	Min	-41,042	0	-31,8898	-6,9698	6,8245	-5,2233	-33,6363
46	46	1328	SLE-ENVE	Min	-38,49	0	-17,2819	-5,512	5,6948	-3,2077	-19,5861
46	46	8	SLE-ENVE	Min	-75,243	0	-18,6387	-4,7907	5,5488	-2,8417	-20,5878
46	46	6	SLE-ENVE	Min	-44,67	0	-34,5337	-6,8174	6,6785	-5,2921	-36,059
52	52	1372	SLU-ENVE	Max	74,552	0	-1,7572	0,8716	4,2831	4,0374	-4,923
52	52	1373	SLU-ENVE	Max	57,835	0	-7,344	-0,7443	4,4663	1,509	-9,5973
52	52	1352	SLU-ENVE	Max	58,424	0	-6,5608	-0,1816	4,2203	1,9189	-8,6612
52	52	1351	SLU-ENVE	Max	73,704	0	-1,4166	1,5299	4,037	4,3541	-4,2408
52	52	1372	SLU-ENVE	Min	-29,052	0	-3,1761	-0,5254	-3,8426	2,214	-5,9154
52	52	1373	SLU-ENVE	Min	-37,692	0	-10,5042	-1,7183	-4,0543	-0,1333	-12,0892
52	52	1352	SLU-ENVE	Min	-38,701	0	-11,4444	-2,5031	-3,9221	-1,0265	-12,921
52	52	1351	SLU-ENVE	Min	-31,374	0	-3,562	-1,2889	-3,7103	1,455	-6,3059
52	52	1372	SLE-ENVE	Max	75,031	0	-1,4064	0,4231	2,3747	2,0532	-3,0364
52	52	1373	SLE-ENVE	Max	57,563	0	-5,6493	-0,7087	2,4763	0,3188	-6,6768
52	52	1352	SLE-ENVE	Max	58,609	0	-5,2096	-0,3817	2,3353	0,563	-6,1544
52	52	1351	SLE-ENVE	Max	74,349	0	-1,2155	0,8106	2,2337	2,2503	-2,6551
52	52	1372	SLE-ENVE	Min	-31,41	0	-2,1975	-0,3757	-2,1231	1,0236	-3,5969
52	52	1373	SLE-ENVE	Min	-37,891	0	-7,1778	-1,2242	-2,2395	-0,4759	-7,9261
52	52	1352	SLE-ENVE	Min	-39,72	0	-7,6922	-1,6497	-2,1693	-0,9516	-8,3903
52	52	1351	SLE-ENVE	Min	-34,93	0	-2,4082	-0,7823	-2,0529	0,6127	-3,8032
53	53	1351	SLU-ENVE	Max	62,901	0	-1,4157	1,5341	3,7466	4,0856	-3,9673
53	53	1352	SLU-ENVE	Max	59,924	0	-6,5612	-0,184	3,9421	1,6976	-8,4429
53	53	1331	SLU-ENVE	Max	56,306	0	-5,7303	0,3232	3,6252	2,0191	-7,4262
53	53	1330	SLU-ENVE	Max	59,177	0	-1,0973	2,0818	3,4297	4,2724	-3,2879
53	53	1351	SLU-ENVE	Min	-35,326	0	-3,5639	-1,2985	-3,5322	1,2782	-6,1406
53	53	1352	SLU-ENVE	Min	-43,114	0	-11,4448	-2,505	-3,796	-1,1107	-12,8391
53	53	1331	SLU-ENVE	Min	-35,215	0	-12,4655	-3,0189	-3,6256	-1,7878	-13,6966
53	53	1330	SLU-ENVE	Min	-26,294	0	-4,0073	-1,7751	-3,3619	0,6511	-6,4335
53	53	1351	SLE-ENVE	Max	63,008	0	-1,2151	0,8126	2,0679	2,1018	-2,5043
53	53	1352	SLE-ENVE	Max	60,787	0	-5,21	-0,3834	2,1735	0,4511	-6,0445
53	53	1331	SLE-ENVE	Max	56,295	0	-4,7448	-0,0683	1,9904	0,6641	-5,4772
53	53	1330	SLE-ENVE	Max	58,793	0	-1,0423	1,154	1,8849	2,2373	-2,1256
53	53	1351	SLE-ENVE	Min	-37,649	0	-2,4093	-0,7879	-1,9579	0,5205	-3,7177
53	53	1352	SLE-ENVE	Min	-44,521	0	-7,6924	-1,651	-2,105	-0,9899	-8,3535
53	53	1331	SLE-ENVE	Min	-36,479	0	-8,25	-1,9091	-2,0167	-1,3221	-8,8371
53	53	1330	SLE-ENVE	Min	-22,423	0	-2,6559	-1,0205	-1,8696	0,2024	-3,8788
54	54	1330	SLU-ENVE	Max	59,625	0	-1,096	2,088	3,0902	3,9721	-2,9802
54	54	1331	SLU-ENVE	Max	50,517	0	-5,7316	0,317	3,2802	1,7543	-7,1689
54	54	1310	SLU-ENVE	Max	53,285	0	-4,9521	0,7148	2,94	1,9645	-6,2019
54	54	1309	SLU-ENVE	Max	66,255	0	-0,836	2,3269	2,75	3,9178	-2,4269
54	54	1330	SLU-ENVE	Min	-35,626	0	-4,0083	-1,7801	-3,1226	0,4213	-6,2096
54	54	1331	SLU-ENVE	Min	-37,935	0	-12,4669	-3,0259	-3,481	-1,8812	-13,6116
54	54	1310	SLU-ENVE	Min	-45,291	0	-13,623	-2,8796	-3,2446	-1,9758	-14,5268
54	54	1309	SLU-ENVE	Min	-42,137	0	-4,5376	-1,7518	-2,8862	0,06	-6,3494
54	54	1330	SLE-ENVE	Max	59,757	0	-1,0416	1,1574	1,6928	2,0764	-1,9606
54	54	1331	SLE-ENVE	Max	50,312	0	-4,7457	-0,0728	1,7874	0,5325	-5,351
54	54	1310	SLE-ENVE	Max	53,561	0	-4,3257	0,2189	1,5946	0,7226	-4,8294
54	54	1309	SLE-ENVE	Max	67,59	0	-0,9128	1,3377	1,4999	2,0875	-1,6627
54	54	1330	SLE-ENVE	Min	-37,994	0	-2,6564	-1,0232	-1,7409	0,0831	-3,7627

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
54	54	1331	SLE-ENVE	Min	-37,36	0	-8,251	-1,9139	-1,9465	-1,3637	-8,8011
54	54	1310	SLE-ENVE	Min	-55,958	0	-8,8947	-1,7731	-1,82	-1,335	-9,3328
54	54	1309	SLE-ENVE	Min	-48,633	0	-2,9598	-0,9651	-1,6144	-0,0648	-3,8601
55	55	6	SLU-ENVE	Max	34,493	0	-44,383	-8,7599	18,0461	-1,2157	-51,9272
55	55	8	SLU-ENVE	Max	-47,538	0	-23,3654	-5,6291	14,7239	2,691	-31,6856
55	55	1307	SLU-ENVE	Max	-37,311	0	-24,9043	-4,4332	14,0031	2,6764	-32,0139
55	55	1306	SLU-ENVE	Max	-17,878	0	-47,4381	-5,5503	17,3254	0,687	-53,6754
55	55	6	SLU-ENVE	Min	32,541	0	-56,2237	-11,2253	11,7868	-8,3248	-59,1242
55	55	8	SLU-ENVE	Min	-47,222	0	-30,7663	-8,3535	9,5055	-4,8651	-34,2547
55	55	1307	SLU-ENVE	Min	-41,319	0	-33,1044	-6,6438	9,0407	-3,8499	-35,8983
55	55	1306	SLU-ENVE	Min	-30,559	0	-60,7674	-7,4768	11,3219	-5,1712	-63,0731
55	55	6	SLE-ENVE	Max	40,061	0	-27,103	-5,2565	10,1057	-1,2988	-31,0608
55	55	8	SLE-ENVE	Max	-48,467	0	-14,3254	-3,2511	8,2193	1,1222	-18,6987
55	55	1307	SLE-ENVE	Max	-37,719	0	-15,197	-2,5479	7,8144	1,1806	-18,9256
55	55	1306	SLE-ENVE	Max	-17,492	0	-28,8253	-3,2995	9,7009	-0,0312	-32,0936
55	55	6	SLE-ENVE	Min	42,321	0	-34,5309	-6,8035	6,6209	-5,3037	-36,0307
55	55	8	SLE-ENVE	Min	-47,84	0	-18,6376	-4,785	5,3184	-2,9787	-20,4439
55	55	1307	SLE-ENVE	Min	-41,421	0	-19,9556	-3,7758	5,0554	-2,3261	-21,4053
55	55	1306	SLE-ENVE	Min	-29,476	0	-37,0723	-4,4726	6,3579	-3,2765	-38,2684
56	56	1164	SLU-ENVE	Max	49,781	0	-0,5418	1,8005	2,0525	2,9925	-1,7338
56	56	1165	SLU-ENVE	Max	-14,516	0	-4,349	0,8257	2,4365	1,7923	-5,3156
56	56	1133	SLU-ENVE	Max	30,853	0	-3,8496	0,2479	2,5719	1,4873	-5,0891
56	56	1135	SLU-ENVE	Max	39,068	0	0,2985	0,0376	2,188	2,3599	-2,0238
56	56	1164	SLU-ENVE	Min	-63,698	0	-5,1491	-0,9379	-1,646	-0,3709	-5,7161
56	56	1165	SLU-ENVE	Min	-40,751	0	-14,9154	-1,8065	-2,1012	-1,4779	-15,2439
56	56	1133	SLU-ENVE	Min	3,758	0	-15,9721	0,0715	-1,3818	0,1897	-16,0902
56	56	1135	SLU-ENVE	Min	39,026	0	-5,6921	-0,0646	-0,9266	0,084	-5,8407
56	56	1164	SLE-ENVE	Max	68,086	0	-0,7691	1,0798	1,168	1,6449	-1,3342
56	56	1165	SLE-ENVE	Max	-21,177	0	-4,0322	0,3877	1,3798	0,7831	-4,4276
56	56	1133	SLE-ENVE	Max	30,472	0	-3,7893	0,1537	1,5281	0,6766	-4,3121
56	56	1135	SLE-ENVE	Max	39,324	0	-0,2719	0,0186	1,3162	1,1976	-1,4509
56	56	1164	SLE-ENVE	Min	-64,948	0	-3,3144	-0,4776	-0,8896	-0,2217	-3,5703
56	56	1165	SLE-ENVE	Min	-42,291	0	-9,6367	-1,0883	-1,1473	-0,937	-9,788
56	56	1133	SLE-ENVE	Min	15,1	0	-10,2561	0,0663	-0,6938	0,1127	-10,3025
56	56	1135	SLE-ENVE	Min	39,285	0	-3,5953	-0,0372	-0,4361	0,0155	-3,648
70	70	1328	SLU-ENVE	Max	-70,774	0	-21,7937	-6,5478	13,6988	1,5062	-29,8476
70	70	1329	SLU-ENVE	Max	-55,727	0	-8,1586	-5,861	12,068	5,1128	-19,1323
70	70	9	SLU-ENVE	Max	-41,228	0	-8,8862	-5,2026	11,3481	4,4522	-18,541
70	70	8	SLU-ENVE	Max	-31,691	0	-23,3242	-5,6273	12,9789	1,2324	-30,1839
70	70	1328	SLU-ENVE	Min	-57,281	0	-28,3594	-9,5329	8,8063	-6,0558	-31,8365
70	70	1329	SLU-ENVE	Min	-50,513	0	-11,2391	-9,314	7,7338	-2,4831	-18,07
70	70	9	SLU-ENVE	Min	-42,758	0	-12,3452	-8,3835	7,2647	-2,8344	-17,8943
70	70	8	SLU-ENVE	Min	-38,601	0	-30,7461	-8,3578	8,3372	-5,5942	-33,5097
70	70	1328	SLE-ENVE	Max	-73,71	0	-13,439	-3,8103	7,6319	0,3989	-17,6481
70	70	1329	SLE-ENVE	Max	-55,584	0	-4,9734	-3,248	6,711	2,6555	-10,8769
70	70	9	SLE-ENVE	Max	-40,793	0	-5,3839	-2,8605	6,3096	2,3123	-10,5567
70	70	8	SLE-ENVE	Max	-30,457	0	-14,2985	-3,2498	7,2305	0,3252	-17,8735
70	70	1328	SLE-ENVE	Min	-59,885	0	-17,2868	-5,5129	4,9164	-3,73	-19,0697
70	70	1329	SLE-ENVE	Min	-50,743	0	-6,6735	-5,1575	4,3083	-1,541	-10,29
70	70	9	SLE-ENVE	Min	-42,586	0	-7,2953	-4,6085	4,0453	-1,6893	-10,2144
70	70	8	SLE-ENVE	Min	-37,861	0	-18,6202	-4,787	4,6535	-3,3673	-20,04
71	71	8	SLU-ENVE	Max	-39,135	0	-23,3229	-5,6206	12,3414	0,7155	-29,659

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
71	71	9	SLU-ENVE	Max	-25,906	0	-8,8883	-5,2131	10,4646	3,574	-17,6754
71	71	1308	SLU-ENVE	Max	47,532	0	-9,6964	-3,7575	9,72	3,4365	-16,8905
71	71	1307	SLU-ENVE	Max	-47,998	0	-24,9793	-4,4482	11,5968	0,7739	-30,2014
71	71	8	SLU-ENVE	Min	-41,959	0	-30,7443	-8,3491	7,9184	-5,8322	-33,2612
71	71	9	SLU-ENVE	Min	-34,693	0	-12,3486	-8,4004	6,6725	-3,4161	-17,3329
71	71	1308	SLU-ENVE	Min	47,994	0	-13,5837	-6,1568	6,1678	-2,6708	-17,0697
71	71	1307	SLU-ENVE	Min	-47,093	0	-33,2287	-6,6687	7,4137	-4,7394	-35,1579
71	71	8	SLE-ENVE	Max	-39,069	0	-14,2976	-3,2456	6,8719	0,0466	-17,5898
71	71	9	SLE-ENVE	Max	-24,756	0	-5,385	-2,8664	5,8112	1,8203	-10,0718
71	71	1308	SLE-ENVE	Max	47,601	0	-5,844	-2,049	5,3867	1,7646	-9,6576
71	71	1307	SLE-ENVE	Max	-48,656	0	-15,2344	-2,5554	6,4475	0,1472	-17,9369
71	71	8	SLE-ENVE	Min	-41,894	0	-18,6191	-4,7813	4,4167	-3,4918	-19,9087
71	71	9	SLE-ENVE	Min	-33,638	0	-7,2971	-4,6179	3,7096	-2,0135	-9,9016
71	71	1308	SLE-ENVE	Min	48,106	0	-7,9935	-3,3575	3,4205	-1,5435	-9,8074
71	71	1307	SLE-ENVE	Min	-47,486	0	-20,0179	-3,7882	4,1277	-2,7988	-21,0074
72	72	1329	SLU-ENVE	Max	-50,646	0	-8,1521	-5,8597	11,092	4,1452	-18,1569
72	72	929	SLU-ENVE	Max	68,349	0	-0,0423	-6,9877	10,5187	7,5621	-14,5921
72	72	10	SLU-ENVE	Max	72,016	0	-0,007	-6,6941	9,5606	6,7779	-13,4789
72	72	9	SLU-ENVE	Max	-64,279	0	-8,9032	-5,206	10,1339	3,2466	-17,3557
72	72	1329	SLU-ENVE	Min	-47,153	0	-11,2337	-9,3129	7,0873	-3,1212	-17,4254
72	72	929	SLU-ENVE	Min	63,835	0	-0,0687	-11,37	6,7097	3,0528	-14,4915
72	72	10	SLU-ENVE	Min	72,44	0	-0,0084	-10,8236	6,0829	2,723	-13,5551
72	72	9	SLU-ENVE	Min	-57,638	0	-12,3766	-8,3898	6,4605	-3,6222	-17,1443
72	72	1329	SLE-ENVE	Max	-49,689	0	-4,9688	-3,2471	6,1585	2,1105	-10,3263
72	72	929	SLE-ENVE	Max	61,672	0	-0,023	-3,7859	5,8341	4,2255	-8,0344
72	72	10	SLE-ENVE	Max	70,261	0	-0,0049	-3,6393	5,2982	3,7791	-7,4234
72	72	9	SLE-ENVE	Max	-63,799	0	-5,3934	-2,8624	5,6226	1,6354	-9,8912
72	72	1329	SLE-ENVE	Min	-46,908	0	-6,6691	-5,1566	3,9411	-1,8998	-9,9258
72	72	929	SLE-ENVE	Min	56,632	0	-0,0376	-6,209	3,7272	1,7155	-7,9621
72	72	10	SLE-ENVE	Min	71,796	0	-0,0057	-5,9162	3,3749	1,525	-7,4469
72	72	9	SLE-ENVE	Min	-57,962	0	-7,3123	-4,6119	3,5888	-2,1278	-9,7965
78	78	1373	SLU-ENVE	Max	57,823	0	-7,342	-0,7439	4,7299	1,7238	-9,8097
78	78	1374	SLU-ENVE	Max	53,615	0	-16,8414	-3,054	5,1176	-1,3621	-18,5333
78	78	1353	SLU-ENVE	Max	51,873	0	-15,5578	-2,5765	4,908	-0,9298	-17,2045
78	78	1352	SLU-ENVE	Max	55,216	0	-6,5565	-0,1807	4,5203	2,1628	-8,8999
78	78	1373	SLU-ENVE	Min	-44,965	0	-10,5082	-1,7191	-4,3668	0,0817	-12,3089
78	78	1374	SLU-ENVE	Min	-50,011	0	-22,2408	-3,9049	-4,8578	-2,6974	-23,4483
78	78	1353	SLU-ENVE	Min	-43,965	0	-23,987	-4,7437	-4,7685	-3,6269	-25,1039
78	78	1352	SLU-ENVE	Min	-39,572	0	-11,4431	-2,5028	-4,2775	-0,7859	-13,16
78	78	1373	SLE-ENVE	Max	58,004	0	-5,6481	-0,7085	2,6231	0,4246	-6,7812
78	78	1374	SLE-ENVE	Max	54,511	0	-12,7733	-2,3669	2,8392	-1,6426	-13,4975
78	78	1353	SLE-ENVE	Max	51,98	0	-12,0575	-2,0951	2,719	-1,4014	-12,7513
78	78	1352	SLE-ENVE	Max	54,987	0	-5,2067	-0,3811	2,5028	0,6825	-6,2704
78	78	1373	SLE-ENVE	Min	-46,333	0	-7,1799	-1,2246	-2,4113	-0,3707	-8,0338
78	78	1374	SLE-ENVE	Min	-50,12	0	-14,8506	-2,6706	-2,6814	-2,1064	-15,4147
78	78	1353	SLE-ENVE	Min	-44,513	0	-15,8136	-3,1343	-2,634	-2,6089	-16,339
78	78	1352	SLE-ENVE	Min	-40,404	0	-7,691	-1,6494	-2,3639	-0,8345	-8,506
79	79	1352	SLU-ENVE	Max	56,129	0	-6,5569	-0,1832	4,2425	1,9361	-8,6762
79	79	1353	SLU-ENVE	Max	48,225	0	-15,5587	-2,5812	4,6842	-1,0671	-17,0728
79	79	1332	SLU-ENVE	Max	48,767	0	-14,0884	-2,1951	4,3833	-0,7542	-15,5293
79	79	1331	SLU-ENVE	Max	57,347	0	-5,7287	0,3235	3,9417	2,2667	-7,6719
79	79	1352	SLU-ENVE	Min	-41,561	0	-11,4435	-2,5047	-4,1464	-0,8776	-13,0707

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
79	79	1353	SLU-ENVE	Min	-50,662	0	-23,9872	-4,7444	-4,6904	-3,662	-25,0696
79	79	1332	SLU-ENVE	Min	-50,989	0	-25,8335	-5,5241	-4,5992	-4,5311	-26,8265
79	79	1331	SLU-ENVE	Min	-41,965	0	-12,4672	-3,0193	-4,0552	-1,5174	-13,9691
79	79	1352	SLE-ENVE	Max	56,192	0	-5,2071	-0,3829	2,3417	0,5669	-6,1568
79	79	1353	SLE-ENVE	Max	48,182	0	-12,0582	-2,0985	2,5889	-1,4658	-12,691
79	79	1332	SLE-ENVE	Max	48,942	0	-11,2282	-1,8789	2,4098	-1,2943	-11,8128
79	79	1331	SLE-ENVE	Max	57,861	0	-4,7439	-0,0681	2,1627	0,7788	-5,5908
79	79	1352	SLE-ENVE	Min	-42,856	0	-7,6913	-1,6508	-2,2965	-0,8768	-8,4652
79	79	1353	SLE-ENVE	Min	-53,712	0	-15,8138	-3,1352	-2,5938	-2,625	-16,3239
79	79	1332	SLE-ENVE	Min	-56,171	0	-16,8185	-3,5632	-2,5522	-3,0887	-17,293
79	79	1331	SLE-ENVE	Min	-44,724	0	-8,2508	-1,9093	-2,2549	-1,1892	-8,9709
80	80	1331	SLU-ENVE	Max	51,621	0	-5,73	0,3173	3,5901	1,9874	-7,4001
80	80	1332	SLU-ENVE	Max	49,328	0	-14,0878	-2,1919	4,0482	-0,9449	-15,3347
80	80	1311	SLU-ENVE	Max	39,68	0	-12,4808	-1,6594	3,6928	-0,5193	-13,6208
80	80	1310	SLU-ENVE	Max	45,105	0	-4,9519	0,7148	3,2347	2,1816	-6,4187
80	80	1331	SLU-ENVE	Min	-47,376	0	-12,4686	-3,0262	-3,9161	-1,6134	-13,8814
80	80	1332	SLU-ENVE	Min	-41,165	0	-25,8318	-5,5155	-4,574	-4,5332	-26,8141
80	80	1311	SLU-ENVE	Min	-34,187	0	-27,773	-5,371	-4,4652	-4,5138	-28,6302
80	80	1310	SLU-ENVE	Min	-40,568	0	-13,6271	-2,8804	-3,8074	-1,6682	-14,8393
80	80	1331	SLE-ENVE	Max	51,746	0	-4,7448	-0,0726	1,955	0,6375	-5,455
80	80	1332	SLE-ENVE	Max	49,279	0	-11,2277	-1,8767	2,2029	-1,3837	-11,7207
80	80	1311	SLE-ENVE	Max	38,773	0	-10,3222	-1,4965	1,9897	-1,0687	-10,7501
80	80	1310	SLE-ENVE	Max	44,875	0	-4,3261	0,2188	1,7418	0,8095	-4,9168
80	80	1331	SLE-ENVE	Min	-53,577	0	-8,2518	-1,914	-2,1885	-1,2318	-8,934
80	80	1332	SLE-ENVE	Min	-43,021	0	-16,8176	-3,5583	-2,5536	-3,0835	-17,2924
80	80	1311	SLE-ENVE	Min	-32,284	0	-17,868	-3,4139	-2,5072	-2,9914	-18,2905
80	80	1310	SLE-ENVE	Min	-38,642	0	-8,8973	-1,7737	-2,1421	-1,1792	-9,4918
81	81	9	SLU-ENVE	Max	73,882	0	-8,9053	-5,2165	9,2705	2,3913	-16,5132
81	81	10	SLU-ENVE	Max	-63,763	0	-0,0022	-6,6757	8,3777	5,6788	-12,3567
81	81	927	SLU-ENVE	Max	-42,259	0	-0,1365	-5,6297	7,2689	4,8874	-10,6536
81	81	1308	SLU-ENVE	Max	17,831	0	-9,6647	-3,7512	8,1617	1,9728	-15,3887
81	81	9	SLU-ENVE	Min	75,246	0	-12,38	-8,4067	5,8839	-4,1831	-16,6036
81	81	10	SLU-ENVE	Min	-60,202	0	-0,0042	-10,7963	5,3031	2,1654	-12,966
81	81	927	SLU-ENVE	Min	-43,382	0	-0,2303	-9,2656	4,5715	1,6791	-11,1751
81	81	1308	SLU-ENVE	Min	1,6	0	-13,5368	-6,1475	5,1523	-3,5021	-16,1822
81	81	9	SLE-ENVE	Max	71,2	0	-5,3946	-2,8683	5,1352	1,1568	-9,4198
81	81	10	SLE-ENVE	Max	-63,697	0	-0,0022	-3,6288	4,6343	3,1609	-6,7919
81	81	927	SLE-ENVE	Max	-42,071	0	-0,0729	-3,0248	4,0109	2,725	-5,8227
81	81	1308	SLE-ENVE	Max	19,153	0	-5,8246	-2,0451	4,5119	0,9568	-8,8265
81	81	9	SLE-ENVE	Min	73,642	0	-7,3142	-4,6213	3,2613	-2,4394	-9,4961
81	81	10	SLE-ENVE	Min	-60,716	0	-0,0033	-5,9006	2,9342	1,2079	-7,1117
81	81	927	SLE-ENVE	Min	-43,357	0	-0,1237	-5,0263	2,5208	0,9411	-6,0912
81	81	1308	SLE-ENVE	Min	14,726	0	-7,9663	-3,352	2,8479	-1,994	-9,3243
82	82	1165	SLU-ENVE	Max	28,153	0	-4,4133	0,8128	2,6865	1,9475	-5,5479
82	82	1166	SLU-ENVE	Max	36,264	0	-11,0937	-0,4911	2,8668	0,2344	-11,8192
82	82	1131	SLU-ENVE	Max	13,83	0	-10,9843	-0,3127	3,0907	0,5178	-11,8148
82	82	1133	SLU-ENVE	Max	-12,45	0	-3,7666	0,2664	2,9105	1,7907	-5,2909
82	82	1165	SLU-ENVE	Min	-77,663	0	-14,9197	-1,8073	-2,7568	-1,2513	-15,4757
82	82	1166	SLU-ENVE	Min	50,944	0	-30,1167	-3,0182	-3,5749	-2,5546	-30,5803
82	82	1131	SLU-ENVE	Min	-55,381	0	-32,2482	-0,9152	-2,7581	-0,6743	-32,4892
82	82	1133	SLU-ENVE	Min	-48,502	0	-15,8792	0,0881	-1,94	0,3205	-16,1116
82	82	1165	SLE-ENVE	Max	28,275	0	-4,0737	0,3794	1,4912	0,8326	-4,5269

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
82	82	1166	SLE-ENVE	Max	36,676	0	-9,6015	-0,5469	1,5454	-0,2904	-9,858
82	82	1131	SLE-ENVE	Max	12,742	0	-9,6916	-0,2759	1,7574	0,0415	-10,0089
82	82	1133	SLE-ENVE	Max	-16,863	0	-3,7291	0,1659	1,7031	0,8056	-4,3688
82	82	1165	SLE-ENVE	Min	34,402	0	-9,6432	-1,0896	-1,5301	-0,8241	-9,9087
82	82	1166	SLE-ENVE	Min	44,427	0	-19,188	-1,8818	-2,0187	-1,6494	-19,4203
82	82	1131	SLE-ENVE	Min	-49,369	0	-20,4689	-0,5758	-1,5125	-0,4614	-20,5833
82	82	1133	SLE-ENVE	Min	-44,566	0	-10,1951	0,0783	-1,0239	0,1793	-10,2962
96	96	1050	SLU-ENVE	Max	75,481	0	-23,762	-4,822	1,5366	-4,6981	-23,8859
96	96	975	SLU-ENVE	Max	68,477	0	-33,4893	-7,9778	2,1157	-7,8035	-33,6636
96	96	11	SLU-ENVE	Max	44,361	0	-29,821	-3,1756	2,4161	-2,9583	-30,0384
96	96	5	SLU-ENVE	Max	34,214	0	-23,6439	-4,5925	1,837	-4,417	-23,8194
96	96	1050	SLU-ENVE	Min	83,973	0	-46,185	-9,3651	-3,707	-8,9956	-46,5545
96	96	975	SLU-ENVE	Min	66,304	0	-60,5009	-14,74	-4,5074	-14,3003	-60,9406
96	96	11	SLU-ENVE	Min	52,09	0	-58,4301	-5,7461	-3,8879	-5,4607	-58,7155
96	96	5	SLU-ENVE	Min	85,712	0	-50,3491	-9,6149	-3,0875	-9,3822	-50,5818
96	96	1050	SLE-ENVE	Max	76,666	0	-19,0755	-3,8647	0,6986	-3,8327	-19,1076
96	96	975	SLE-ENVE	Max	68,46	0	-26,437	-6,3175	1,0144	-6,2664	-26,488
96	96	11	SLE-ENVE	Max	46,026	0	-23,9018	-2,5185	1,2537	-2,4452	-23,9751
96	96	5	SLE-ENVE	Max	36,951	0	-19,3075	-3,7284	0,9378	-3,6722	-19,3637
96	96	1050	SLE-ENVE	Min	83,899	0	-29,6805	-6,0191	-2,139	-5,8273	-29,8724
96	96	975	SLE-ENVE	Min	67,532	0	-38,9907	-9,4657	-2,5759	-9,2426	-39,2138
96	96	11	SLE-ENVE	Min	51,43	0	-37,5006	-3,7502	-2,1831	-3,6096	-37,6412
96	96	5	SLE-ENVE	Min	80,265	0	-32,151	-6,1502	-1,7462	-6,0334	-32,2677
97	97	5	SLU-ENVE	Max	38,423	0	-23,6452	-4,5992	2,5366	-4,2672	-23,9773
97	97	11	SLU-ENVE	Max	46,202	0	-29,8106	-3,1236	3,3207	-2,7166	-30,2176
97	97	974	SLU-ENVE	Max	-73,069	0	-30,9904	-8,8707	3,3649	-8,3702	-31,4909
97	97	1049	SLU-ENVE	Max	83,568	0	-19,7563	-4,1269	2,5808	-3,7118	-20,1714
97	97	5	SLU-ENVE	Min	-76,958	0	-50,3559	-9,6487	-1,5452	-9,5901	-50,4144
97	97	11	SLU-ENVE	Min	-61,84	0	-58,4048	-5,6192	-2,2126	-5,5266	-58,4974
97	97	974	SLU-ENVE	Min	-64,864	0	-67,4103	-20,0135	-2,4507	-19,8871	-67,5367
97	97	1049	SLU-ENVE	Min	-72,035	0	-47,3469	-9,2188	-1,7833	-9,1356	-47,4302
97	97	5	SLE-ENVE	Max	39,819	0	-19,3089	-3,7355	1,5082	-3,5908	-19,4536
97	97	11	SLE-ENVE	Max	61,251	0	-23,8931	-2,4747	1,961	-2,2966	-24,0711
97	97	974	SLE-ENVE	Max	-72,885	0	-25,3608	-7,3134	1,9657	-7,1018	-25,5724
97	97	1049	SLE-ENVE	Max	87,891	0	-16,5685	-3,4002	1,513	-3,2286	-16,7401
97	97	5	SLE-ENVE	Min	-87,052	0	-32,1552	-6,1712	-0,7752	-6,1481	-32,1783
97	97	11	SLE-ENVE	Min	-61,503	0	-37,4844	-3,6695	-1,1165	-3,6326	-37,5213
97	97	974	SLE-ENVE	Min	-64,712	0	-42,9604	-12,7106	-1,2618	-12,6581	-43,0129
97	97	1049	SLE-ENVE	Min	-72,915	0	-30,0649	-5,8666	-0,9205	-5,8316	-30,0999
98	98	975	SLU-ENVE	Max	39,383	0	-33,4044	-7,9608	3,6783	-7,4397	-33,9255
98	98	1312	SLU-ENVE	Max	22,38	0	-23,3291	-3,9795	4,7626	-2,8708	-24,4378
98	98	12	SLU-ENVE	Max	33,667	0	-23,4322	-4,0218	4,7476	-2,9227	-24,5312
98	98	11	SLU-ENVE	Max	44,195	0	-29,9941	-3,2102	3,6634	-2,7182	-30,4861
98	98	975	SLU-ENVE	Min	-47,343	0	-60,3393	-14,7077	-4,3042	-14,3053	-60,7418
98	98	1312	SLU-ENVE	Min	-59,095	0	-25,0902	-4,6215	-5,1166	-3,4137	-26,298
98	98	12	SLU-ENVE	Min	-61,381	0	-26,3167	-6,1857	-5,5062	-4,7781	-27,7243
98	98	11	SLU-ENVE	Min	-56,039	0	-58,7916	-5,8184	-4,6938	-5,4057	-59,2043
98	98	975	SLE-ENVE	Max	40,035	0	-26,3711	-6,3043	2,0473	-6,0975	-26,5778
98	98	1312	SLE-ENVE	Max	20,419	0	-16,6029	-2,9633	2,6861	-2,4534	-17,1128
98	98	12	SLE-ENVE	Max	37,978	0	-17,047	-3,12	2,635	-2,6382	-17,5289
98	98	11	SLE-ENVE	Max	46,437	0	-24,042	-2,5465	1,9962	-2,3627	-24,2258
98	98	975	SLE-ENVE	Min	-48,049	0	-38,8884	-9,4452	-2,347	-9,2593	-39,0743

AUTOSTRADA VALDASTICO A31 NORD

1° LOTTO – Piovene Rocchette – Valle dell’Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
98	98	1312	SLE-ENVE	Min	-58,773	0	-16,8949	-3,1575	-2,7597	-2,6239	-17,4286
98	98	12	SLE-ENVE	Min	-62,092	0	-17,7195	-4,0896	-2,9931	-3,4613	-18,3478
98	98	11	SLE-ENVE	Min	-58,634	0	-37,7287	-3,7958	-2,5804	-3,6007	-37,9238
104	104	1374	SLU-ENVE	Max	55,887	0	-16,8383	-3,0533	5,5783	-1,0788	-18,8128
104	104	1053	SLU-ENVE	Max	45,504	0	-30,3394	-6,0299	6,1765	-4,5506	-31,8187
104	104	1052	SLU-ENVE	Max	46,362	0	-28,5601	-5,5967	6,0316	-4,1088	-30,048
104	104	1353	SLU-ENVE	Max	53,993	0	-15,5644	-2,5779	5,4334	-0,6045	-17,5377
104	104	1374	SLU-ENVE	Min	-45,597	0	-22,2448	-3,9057	-5,4853	-2,3902	-23,7603
104	104	1053	SLU-ENVE	Min	-47,655	0	-37,6217	-7,1285	-6,3953	-5,8416	-38,9087
104	104	1052	SLU-ENVE	Min	-46,414	0	-40,5543	-7,9303	-6,3995	-6,7199	-41,7647
104	104	1353	SLU-ENVE	Min	-47,248	0	-24,0087	-4,748	-5,4896	-3,2933	-25,4635
104	104	1374	SLE-ENVE	Max	56,405	0	-12,7712	-2,3665	3,0947	-1,5156	-13,6221
104	104	1053	SLE-ENVE	Max	45,316	0	-22,823	-4,5386	3,425	-3,9181	-23,4436
104	104	1052	SLE-ENVE	Max	46,173	0	-21,8422	-4,2927	3,3412	-3,6781	-22,4568
104	104	1353	SLE-ENVE	Max	54,571	0	-12,0635	-2,0963	3,0109	-1,2574	-12,9024
104	104	1374	SLE-ENVE	Min	-45,84	0	-14,8526	-2,671	-3,0292	-1,9593	-15,5643
104	104	1053	SLE-ENVE	Min	-47,544	0	-25,0235	-4,7864	-3,5348	-4,1868	-25,6231
104	104	1052	SLE-ENVE	Min	-48,71	0	-26,6582	-5,2319	-3,5368	-4,6632	-27,227
104	104	1353	SLE-ENVE	Min	-48,443	0	-15,8269	-3,137	-3,0313	-2,4501	-16,5138
105	105	1353	SLU-ENVE	Max	49,745	0	-15,5653	-2,5825	5,2175	-0,7456	-17,4022
105	105	1052	SLU-ENVE	Max	48,822	0	-28,5525	-5,5586	5,9099	-4,1286	-29,9826
105	105	1051	SLU-ENVE	Max	41,335	0	-26,6167	-5,2926	5,7077	-3,8609	-28,0484
105	105	1332	SLU-ENVE	Max	44,866	0	-14,045	-2,1864	5,0153	-0,3498	-15,8817
105	105	1353	SLU-ENVE	Min	-53,811	0	-24,0088	-4,7487	-5,3968	-3,3396	-25,418
105	105	1052	SLU-ENVE	Min	-47,332	0	-40,545	-7,8838	-6,3835	-6,6805	-41,7483
105	105	1051	SLU-ENVE	Min	-51,689	0	-43,8938	-8,9168	-6,302	-7,816	-44,9946
105	105	1332	SLU-ENVE	Min	-69,547	0	-25,7546	-5,5083	-5,3153	-4,1977	-27,0652
105	105	1353	SLE-ENVE	Max	49,917	0	-12,0641	-2,0997	2,887	-1,3237	-12,8401
105	105	1052	SLE-ENVE	Max	49,336	0	-21,8366	-4,2645	3,2729	-3,6747	-22,4264
105	105	1051	SLE-ENVE	Max	41,466	0	-20,7839	-4,1412	3,1559	-3,5629	-21,3623
105	105	1332	SLE-ENVE	Max	45,122	0	-11,1944	-1,8721	2,77	-1,1112	-11,9553
105	105	1353	SLE-ENVE	Min	-57,737	0	-15,8271	-3,1378	-2,9818	-2,4721	-16,4928
105	105	1052	SLE-ENVE	Min	-47,942	0	-26,6521	-5,2012	-3,5244	-4,637	-27,2163
105	105	1051	SLE-ENVE	Min	-51,898	0	-28,5174	-5,7944	-3,4806	-5,2732	-29,0386
105	105	1332	SLE-ENVE	Min	-79,608	0	-16,7683	-3,5531	-2,938	-2,9294	-17,392
106	106	1332	SLU-ENVE	Max	42,518	0	-14,0444	-2,1832	4,6701	-0,5652	-15,6624
106	106	1051	SLU-ENVE	Max	44,206	0	-26,6292	-5,355	5,5164	-4,0097	-27,9745
106	106	1050	SLU-ENVE	Max	45,659	0	-23,8707	-5,0514	5,1479	-3,7352	-25,1868
106	106	1311	SLU-ENVE	Max	42,813	0	-12,5791	-1,6791	4,3016	-0,186	-14,0722
106	106	1332	SLU-ENVE	Min	-57,846	0	-25,7529	-5,4997	-5,3012	-4,1961	-27,0565
106	106	1051	SLU-ENVE	Min	87,602	0	-43,9243	-9,0691	-6,2602	-7,9788	-45,0146
106	106	1050	SLU-ENVE	Min	-34,481	0	-46,4323	-9,8924	-6,4112	-8,8001	-47,5245
106	106	1311	SLU-ENVE	Min	-32,001	0	-27,9962	-5,4156	-5,4521	-4,1681	-29,2437
106	106	1332	SLE-ENVE	Max	42,326	0	-11,1939	-1,87	2,5562	-1,2151	-11,8488
106	106	1051	SLE-ENVE	Max	44,421	0	-20,7943	-4,1929	3,0392	-3,654	-21,3332
106	106	1050	SLE-ENVE	Max	45,545	0	-19,1653	-4,0436	2,7931	-3,5442	-19,6647
106	106	1311	SLE-ENVE	Max	41,78	0	-10,4034	-1,5128	2,3102	-0,9484	-10,9679
106	106	1332	SLE-ENVE	Min	-58,878	0	-16,7673	-3,5483	-2,9465	-2,9212	-17,3943
106	106	1051	SLE-ENVE	Min	73,968	0	-28,5363	-5,889	-3,4608	-5,3719	-29,0533
106	106	1050	SLE-ENVE	Min	52,861	0	-29,8361	-6,3545	-3,572	-5,8231	-30,3674
106	106	1311	SLE-ENVE	Min	-34,11	0	-18,0077	-3,4419	-3,0578	-2,826	-18,6235
107	107	11	SLU-ENVE	Max	-45,998	0	-29,9837	-3,1582	3,5722	-2,6906	-30,4512

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
107	107	12	SLU-ENVE	Max	40,588	0	-23,4378	-4,0499	4,3738	-3,1088	-24,3788
107	107	1167	SLU-ENVE	Max	17,28	0	-21,6146	-2,07	4,6319	-1,0279	-22,6567
107	107	974	SLU-ENVE	Max	1,4	0	-30,7966	-8,8319	3,8302	-8,1832	-31,4453
107	107	11	SLU-ENVE	Min	-72,021	0	-58,7663	-5,6915	-5,2456	-5,1781	-59,2797
107	107	12	SLU-ENVE	Min	-54,394	0	-26,3266	-6,2457	-6,8453	-4,1342	-28,4381
107	107	1167	SLU-ENVE	Min	-70,291	0	-24,0156	-3,6245	-6,8005	-1,5646	-26,0755
107	107	974	SLU-ENVE	Min	-87,784	0	-67,0584	-19,9431	-5,2007	-19,3759	-67,6257
107	107	11	SLE-ENVE	Max	-60,064	0	-24,0332	-2,5027	1,8867	-2,3387	-24,1973
107	107	12	SLE-ENVE	Max	43,171	0	-17,0516	-3,143	2,2744	-2,7805	-17,4141
107	107	1167	SLE-ENVE	Max	16,979	0	-15,6875	-1,6585	2,4339	-1,2483	-16,0977
107	107	974	SLE-ENVE	Max	0,912	0	-25,2107	-7,2834	2,0461	-7,0528	-25,4412
107	107	11	SLE-ENVE	Min	-71,51	0	-37,7125	-3,7151	-2,9175	-3,4665	-37,9611
107	107	12	SLE-ENVE	Min	-55,646	0	-17,7271	-4,128	-3,816	-3,1304	-18,7247
107	107	1167	SLE-ENVE	Min	-69,753	0	-16,1102	-2,3917	-3,765	-1,4264	-17,0756
107	107	974	SLE-ENVE	Min	-87,571	0	-42,7325	-12,665	-2,8665	-12,3942	-43,0033
108	108	1166	SLU-ENVE	Max	25,072	0	-11,3029	-0,5329	3,0963	0,2938	-12,1296
108	108	1049	SLU-ENVE	Max	-29,424	0	-20,0524	-4,5618	3,5156	-3,8013	-20,8129
108	108	908	SLU-ENVE	Max	-5,595	0	-17,231	3,3453	3,5891	3,9533	-17,8391
108	108	1131	SLU-ENVE	Max	35,132	0	-10,9395	-0,3038	3,1698	0,5693	-11,8125
108	108	1166	SLU-ENVE	Min	-89,965	0	-30,9656	-3,188	-5,0017	-2,3148	-31,8388
108	108	1049	SLU-ENVE	Min	-46,27	0	-48,1867	-9,1253	-7,9393	-7,5733	-49,7387
108	108	908	SLU-ENVE	Min	-37,794	0	-58,9717	1,0697	-6,4576	1,7564	-59,6584
108	108	1131	SLU-ENVE	Min	49,461	0	-31,2939	-0,7244	-3,52	-0,3243	-31,694
108	108	1166	SLE-ENVE	Max	26,076	0	-9,8051	-0,5876	1,5831	-0,3233	-10,0694
108	108	1049	SLE-ENVE	Max	-34,483	0	-16,8261	-3,6594	1,6166	-3,4638	-17,0217
108	108	908	SLE-ENVE	Max	-8,832	0	-15,895	2,1011	1,7853	2,2765	-16,0704
108	108	1131	SLE-ENVE	Max	35,951	0	-9,5846	-0,2545	1,7517	0,0636	-9,9027
108	108	1166	SLE-ENVE	Min	82,675	0	-19,7147	-1,9871	-2,8684	-1,5345	-20,1672
108	108	1049	SLE-ENVE	Min	-46,255	0	-30,5945	-5,8263	-4,6195	-4,9927	-31,4281
108	108	908	SLE-ENVE	Min	-32,486	0	-36,9336	0,9607	-3,7223	1,3229	-37,2958
108	108	1131	SLE-ENVE	Min	44,377	0	-19,89	-0,46	-1,9712	-0,262	-20,0879
122	122	1312	SLU-ENVE	Max	-10,329	0	-23,4751	-4,0087	4,9409	-2,8264	-24,6574
122	122	1313	SLU-ENVE	Max	15,441	0	8,2107	1,8525	4,9334	10,9006	-0,8374
122	122	13	SLU-ENVE	Max	29,465	0	9,3334	2,1062	5,0555	11,934	-0,4944
122	122	12	SLU-ENVE	Max	34,876	0	-23,2019	-3,9757	5,063	-2,7239	-24,4537
122	122	1312	SLU-ENVE	Min	-7,215	0	-25,2773	-4,6614	-6,2578	-2,9106	-27,0281
122	122	1313	SLU-ENVE	Min	1,745	0	-19,6098	-2,8892	-6,1401	-0,8767	-21,6223
122	122	13	SLU-ENVE	Min	-39,181	0	-19,7334	-2,1051	-6,0389	-0,2349	-21,6037
122	122	12	SLU-ENVE	Min	-44,214	0	-25,8967	-6,0824	-6,1565	-4,3254	-27,6538
122	122	1312	SLE-ENVE	Max	-36,312	0	-16,7329	-2,9851	2,71	-2,4702	-17,2478
122	122	1313	SLE-ENVE	Max	2,857	0	2,8799	0,774	2,694	4,7194	-1,0655
122	122	13	SLE-ENVE	Max	28,066	0	3,5186	0,9948	2,7648	5,2959	-0,7824
122	122	12	SLE-ENVE	Max	35,29	0	-16,8572	-3,0821	2,7807	-2,5419	-17,3974
122	122	1312	SLE-ENVE	Min	-22,094	0	-17,0039	-3,1835	-3,4335	-2,3775	-17,8099
122	122	1313	SLE-ENVE	Min	-4,454	0	-11,5225	-1,7742	-3,3789	-0,7176	-12,5792
122	122	13	SLE-ENVE	Min	-35,982	0	-11,5531	-1,2655	-3,3091	-0,2931	-12,5256
122	122	12	SLE-ENVE	Min	-45,957	0	-17,3949	-4,0247	-3,3637	-3,2261	-18,1934
123	123	12	SLU-ENVE	Max	40,118	0	-23,2075	-4,0038	5,2549	-2,6599	-24,5514
123	123	13	SLU-ENVE	Max	35,634	0	9,3354	2,1162	5,2011	12,0567	-0,6051
123	123	1168	SLU-ENVE	Max	44,094	0	9,0888	1,5082	5,3262	11,8357	-1,2387
123	123	1167	SLU-ENVE	Max	50,086	0	-22,139	-2,1749	5,38	-0,8174	-23,4965
123	123	12	SLU-ENVE	Min	-42,666	0	-25,9066	-6,1424	-6,1329	-4,394	-27,655



AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
123	123	13	SLU-ENVE	Min	-42,57	0	-19,7319	-2,0973	-5,7577	-0,3839	-21,4453
123	123	1168	SLU-ENVE	Min	-55,55	0	-20,4103	-1,479	-5,7628	0,1373	-22,0265
123	123	1167	SLU-ENVE	Min	-54,068	0	-24,6545	-3,7574	-6,1381	-2,0879	-26,3241
123	123	12	SLE-ENVE	Max	40,653	0	-16,8618	-3,105	2,8918	-2,5218	-17,445
123	123	13	SLE-ENVE	Max	35,31	0	3,52	1,0016	2,8633	5,3887	-0,8671
123	123	1168	SLE-ENVE	Max	48,935	0	3,2988	0,7071	2,9281	5,205	-1,1991
123	123	1167	SLE-ENVE	Max	55,491	0	-16,0783	-1,7367	2,9566	-1,1511	-16,6639
123	123	12	SLE-ENVE	Min	-43,468	0	-17,4026	-4,063	-3,3314	-3,2773	-18,1883
123	123	13	SLE-ENVE	Min	-41,31	0	-11,5519	-1,2595	-3,132	-0,3813	-12,4301
123	123	1168	SLE-ENVE	Min	-57,22	0	-12,0435	-0,9046	-3,1243	-0,0882	-12,8599
123	123	1167	SLE-ENVE	Min	-57,307	0	-16,5559	-2,4808	-3,3236	-1,7355	-17,3012
124	124	1313	SLU-ENVE	Max	26,808	0	8,2367	1,8577	4,6871	10,7165	-0,6222
124	124	1314	SLU-ENVE	Max	57,924	0	31,2726	6,859	4,1125	31,9467	6,1849
124	124	14	SLU-ENVE	Max	46,616	0	33,1508	6,3965	4,1009	33,7652	5,782
124	124	13	SLU-ENVE	Max	27,715	0	9,0576	2,0511	4,6755	11,3968	-0,2881
124	124	1313	SLU-ENVE	Min	24,549	0	-19,5714	-2,8815	-5,2297	-1,3783	-21,0747
124	124	1314	SLU-ENVE	Min	37,954	0	-21,3231	-3,2479	-3,9679	-2,4153	-22,1558
124	124	14	SLU-ENVE	Min	84,11	0	-22,0879	-2,6822	-3,9754	-1,8994	-22,8707
124	124	13	SLU-ENVE	Min	-42,724	0	-19,7943	-2,1173	-5,2371	-0,6822	-21,2294
124	124	1313	SLE-ENVE	Max	24,296	0	2,8993	0,7779	2,5699	4,6188	-0,9416
124	124	1314	SLE-ENVE	Max	56,942	0	16,5257	3,7331	2,2482	16,9093	3,3495
124	124	14	SLE-ENVE	Max	48,062	0	17,5555	3,503	2,2268	17,9	3,1585
124	124	13	SLE-ENVE	Max	26,553	0	3,3514	0,9614	2,5485	4,9712	-0,6584
124	124	1313	SLE-ENVE	Min	21,877	0	-11,4922	-1,7681	-2,876	-0,9812	-12,2792
124	124	1314	SLE-ENVE	Min	39,925	0	-10,4875	-1,6115	-2,1925	-1,0995	-10,9996
124	124	14	SLE-ENVE	Min	81,373	0	-10,9146	-1,3194	-2,1991	-0,8394	-11,3946
124	124	13	SLE-ENVE	Min	-39,429	0	-11,6104	-1,277	-2,8826	-0,5273	-12,3601
130	130	1078	SLU-ENVE	Max	-45,981	0	-39,1667	-5,6609	29,4995	11,5108	-56,3385
130	130	1390	SLU-ENVE	Max	-57,661	0	-25,7326	-3,4549	25,5228	13,2539	-42,4413
130	130	1369	SLU-ENVE	Max	-52,686	0	-30,6138	-6,6012	25,2915	9,3891	-46,6041
130	130	1077	SLU-ENVE	Max	-43,562	0	-49,0657	-9,7256	29,2682	5,8682	-64,6595
130	130	1078	SLU-ENVE	Min	-46,488	0	-42,9909	-7,1914	18,7928	0,8621	-51,0443
130	130	1390	SLU-ENVE	Min	-53,539	0	-27,5584	-4,2537	16,3432	4,1658	-35,9778
130	130	1369	SLU-ENVE	Min	-48,381	0	-34,1803	-7,6411	16,2077	0,0362	-41,8576
130	130	1077	SLU-ENVE	Min	-43,439	0	-53,5882	-10,6372	18,6572	-3,6647	-60,5607
130	130	1078	SLE-ENVE	Max	-45,85	0	-26,9991	-4,3639	16,339	4,1944	-35,5574
130	130	1390	SLE-ENVE	Max	-57,746	0	-16,785	-2,6314	14,1301	6,095	-25,5114
130	130	1369	SLE-ENVE	Max	-52,524	0	-19,4943	-4,1597	13,996	4,1315	-27,7855
130	130	1077	SLE-ENVE	Max	-43,384	0	-31,3746	-6,2228	16,2049	1,7136	-39,3109
130	130	1078	SLE-ENVE	Min	-46,363	0	-28,16	-4,8209	10,4302	-0,839	-32,1419
130	130	1390	SLE-ENVE	Min	-53,466	0	-18,2341	-2,8778	9,0686	1,3266	-22,4384
130	130	1369	SLE-ENVE	Min	-48,455	0	-22,4259	-4,9625	8,9941	-1,1588	-26,2296
130	130	1077	SLE-ENVE	Min	-43,42	0	-35,2205	-7,0612	10,3556	-3,6629	-38,6187
131	131	1077	SLU-ENVE	Max	-47,182	0	-49,0481	-9,6375	29,0783	5,7833	-64,4689
131	131	1369	SLU-ENVE	Max	-47,034	0	-30,6141	-6,6025	24,7652	8,9136	-46,1302
131	131	1348	SLU-ENVE	Max	-37,969	0	-35,6136	-8,7571	24,3263	5,6011	-49,9718
131	131	1076	SLU-ENVE	Max	-34,485	0	-57,8112	-12,1723	28,6394	1,6271	-71,6106
131	131	1077	SLU-ENVE	Min	-46,078	0	-53,565	-10,5208	18,5184	-3,6504	-60,4354
131	131	1369	SLU-ENVE	Min	-45,943	0	-34,1811	-7,6587	15,8466	-0,2565	-41,5833
131	131	1348	SLU-ENVE	Min	-41,471	0	-42,105	-11,2053	15,4974	-4,7721	-48,5382
131	131	1076	SLU-ENVE	Min	-40,123	0	-66,8626	-15,0234	18,1692	-9,2895	-72,5966
131	131	1077	SLE-ENVE	Max	-47,243	0	-31,3638	-6,1691	16,0869	1,6659	-39,1988

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
131	131	1369	SLE-ENVE	Max	-46,702	0	-19,4945	-4,1608	13,7027	3,874	-27,5294
131	131	1348	SLE-ENVE	Max	-37,361	0	-22,2462	-5,3528	13,4541	2,0863	-29,6853
131	131	1076	SLE-ENVE	Max	-33,852	0	-36,2454	-7,5943	15,8383	-0,564	-43,2758
131	131	1077	SLE-ENVE	Min	-46,161	0	-35,2014	-6,9657	10,2767	-3,6214	-38,5456
131	131	1369	SLE-ENVE	Min	-45,916	0	-22,4279	-4,9722	8,7955	-1,3091	-26,091
131	131	1348	SLE-ENVE	Min	-41,291	0	-26,7824	-6,9438	8,603	-3,7329	-29,9933
131	131	1076	SLE-ENVE	Min	-39,9	0	-43,2119	-9,5978	10,0842	-6,8046	-46,0051
132	132	1076	SLU-ENVE	Max	-35,682	0	-57,891	-12,5709	28,3578	1,0684	-71,5303
132	132	1348	SLU-ENVE	Max	-29,929	0	-35,6092	-8,7352	23,9803	5,3161	-49,6605
132	132	1327	SLU-ENVE	Max	-36,332	0	-41,9489	-8,93	23,9913	3,6835	-54,5624
132	132	1075	SLU-ENVE	Max	-38,887	0	-65,4481	-14,9909	28,3688	-2,2554	-78,1836
132	132	1076	SLU-ENVE	Min	-39,488	0	-66,9636	-15,5282	17,9655	-9,8746	-72,6172
132	132	1348	SLU-ENVE	Min	-37,686	0	-42,0975	-11,1675	15,1793	-4,9628	-48,3022
132	132	1327	SLU-ENVE	Min	-41,901	0	-52,1725	-11,4983	15,3335	-6,3655	-57,3053
132	132	1075	SLU-ENVE	Min	-41,403	0	-78,3406	-17,6477	18,1197	-12,6497	-83,3387
132	132	1076	SLE-ENVE	Max	-35,29	0	-36,2923	-7,8288	15,6726	-0,8905	-43,2307
132	132	1348	SLE-ENVE	Max	-28,269	0	-22,2437	-5,3403	13,2821	1,9511	-29,5351
132	132	1327	SLE-ENVE	Max	-35,322	0	-25,7755	-5,3911	13,32	1,1889	-32,3554
132	132	1075	SLE-ENVE	Max	-38,828	0	-40,398	-9,1912	15,7105	-2,6522	-46,937
132	132	1076	SLE-ENVE	Min	-39,371	0	-43,2704	-9,89	9,9747	-7,1365	-46,0239
132	132	1348	SLE-ENVE	Min	-37,043	0	-26,7781	-6,9227	8,4425	-3,8183	-29,8825
132	132	1327	SLE-ENVE	Min	-41,886	0	-32,33	-7,0319	8,558	-4,4088	-34,9531
132	132	1075	SLE-ENVE	Min	-41,471	0	-49,4297	-10,9651	10,0902	-8,4789	-51,9159
133	133	13	SLU-ENVE	Max	33,867	0	9,0597	2,0611	4,6906	11,4124	-0,2917
133	133	14	SLU-ENVE	Max	39,562	0	33,1534	6,4099	4,0534	33,7543	5,809
133	133	1169	SLU-ENVE	Max	20,516	0	34,6615	5,2538	4,0505	35,2092	4,7061
133	133	1168	SLU-ENVE	Max	21,419	0	9,6733	1,6251	4,6877	11,8272	-0,5288
133	133	13	SLU-ENVE	Min	-44,508	0	-19,7927	-2,1095	-5,2553	-0,6656	-21,2366
133	133	14	SLU-ENVE	Min	-59,066	0	-22,0878	-2,6819	-4,1369	-1,8368	-22,9329
133	133	1169	SLU-ENVE	Min	-66,063	0	-22,7596	-1,8661	-4,311	-1,0115	-23,6141
133	133	1168	SLU-ENVE	Min	-55,76	0	-20,2141	-1,4397	-5,4294	0,0174	-21,6711
133	133	13	SLE-ENVE	Max	33,572	0	3,3528	0,9681	2,5374	4,964	-0,6431
133	133	14	SLE-ENVE	Max	40,995	0	17,557	3,5103	2,1739	17,8857	3,1815
133	133	1169	SLE-ENVE	Max	18,386	0	18,3855	2,8994	2,1427	18,6765	2,6084
133	133	1168	SLE-ENVE	Max	20,819	0	3,6628	0,7798	2,5062	5,1124	-0,6698
133	133	13	SLE-ENVE	Min	-43,863	0	-11,6092	-1,271	-2,8949	-0,5155	-12,3646
133	133	14	SLE-ENVE	Min	-60,827	0	-10,9146	-1,3194	-2,2998	-0,7966	-11,4374
133	133	1169	SLE-ENVE	Min	-66,537	0	-11,2776	-0,8935	-2,4063	-0,363	-11,8081
133	133	1168	SLE-ENVE	Min	-56,411	0	-11,8741	-0,8708	-3,0013	-0,1054	-12,6395
134	134	1074	SLU-ENVE	Max	35,436	1,389E-20	-71,7182	-13,7252	28,6485	-1,9598	-83,4836
134	134	1306	SLU-ENVE	Max	-25,025	0	-49,2581	-5,6196	19,5861	1,8817	-56,7594
134	134	1141	SLU-ENVE	Max	-38,766	0	-49,4979	-1,0536	16,0183	3,7639	-54,3154
134	134	910	SLU-ENVE	Max	24,239	0	-96,88	6,7256	25,0807	12,4777	-
134	134	1074	SLU-ENVE	Min	33,698	1,12E-20	-90,2768	-16,5018	19,0284	-11,8831	102,6321
134	134	1306	SLU-ENVE	Min	-34,184	0	-63,0397	-7,5082	12,7587	-4,7171	-65,8308
134	134	1141	SLU-ENVE	Min	-41,871	1,255E-20	-63,9024	-1,3205	10,2396	0,3123	-65,5352
134	134	910	SLU-ENVE	Min	21,293	0	-127,0304	5,1752	16,5094	7,2056	-
134	134	1074	SLE-ENVE	Max	36,045	0	-43,672	-8,4281	16,1653	-2,1367	129,0609
											-49,9634

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
134	134	1306	SLE-ENVE	Max	-26,425	0	-29,9003	-3,3431	10,9853	0,6119	-33,8553
134	134	1141	SLE-ENVE	Max	-39,489	0	-30,0163	-0,6423	8,9112	1,8497	-32,5083
134	134	910	SLE-ENVE	Max	25,373	0	-58,0582	4,0629	14,0912	7,1099	-61,1052
134	134	1074	SLE-ENVE	Min	34,196	0	-55,5979	-10,3536	10,7966	-7,9093	-58,0422
134	134	1306	SLE-ENVE	Min	-34,816	0	-38,4143	-4,4958	7,1818	-3,0378	-39,8723
134	134	1141	SLE-ENVE	Min	-42,01	0	-38,8786	-0,8137	5,7164	0,0262	-39,7185
134	134	910	SLE-ENVE	Min	21,739	0	-76,378	3,1142	9,3311	4,1948	-77,4587
148	148	1314	SLU-ENVE	Max	60,73	0	31,2719	6,8589	3,3758	31,73	6,4007
148	148	1315	SLU-ENVE	Max	73,634	0	49,2505	9,3613	2,4395	49,3991	9,2127
148	148	15	SLU-ENVE	Max	34,708	0	52,7171	9,162	2,3833	52,8471	9,032
148	148	14	SLU-ENVE	Max	26,361	0	33,1284	6,392	3,3196	33,5344	5,986
148	148	1314	SLU-ENVE	Min	50,937	0	-21,3192	-3,2472	-2,1219	-3,0014	-21,565
148	148	1315	SLU-ENVE	Min	63,861	0	-27,5328	-4,848	0,1516	-4,8469	-27,5338
148	148	15	SLU-ENVE	Min	73,315	0	-28,7907	-4,2036	-0,0818	-4,2033	-28,791
148	148	14	SLU-ENVE	Min	62,063	0	-22,0656	-2,6777	-2,3553	-2,3957	-22,3477
148	148	1314	SLE-ENVE	Max	60,286	0	16,5262	3,7332	1,8415	16,7861	3,4734
148	148	1315	SLE-ENVE	Max	75,429	0	26,8672	5,1705	1,3334	26,9488	5,0888
148	148	15	SLE-ENVE	Max	37,114	0	28,789	5,0733	1,2886	28,8589	5,0035
148	148	14	SLE-ENVE	Max	26,095	0	17,5451	3,5009	1,7967	17,7713	3,2747
148	148	1314	SLE-ENVE	Min	51,7	0	-10,4839	-1,6108	-1,1803	-1,4565	-10,6383
148	148	1315	SLE-ENVE	Min	67,878	0	-12,7726	-2,3168	0,0725	-2,3163	-12,7731
148	148	15	SLE-ENVE	Min	76,377	0	-13,4564	-2,0104	-0,0637	-2,01	-13,4568
148	148	14	SLE-ENVE	Min	61,994	0	-10,8994	-1,3164	-1,3165	-1,1388	-11,0769
149	149	14	SLU-ENVE	Max	19,023	0	33,1311	6,4054	3,2879	33,5296	6,0068
149	149	15	SLU-ENVE	Max	29,012	0	52,719	9,1717	2,3462	52,845	9,0456
149	149	1170	SLU-ENVE	Max	7,723	0	56,2408	9,8299	2,3461	56,3591	9,7116
149	149	1169	SLU-ENVE	Max	10,822	0	34,8625	5,294	3,2879	35,2236	4,9328
149	149	14	SLU-ENVE	Min	-82,073	0	-22,0656	-2,6774	-2,5459	-2,3487	-22,3943
149	149	15	SLU-ENVE	Min	79,473	0	-28,7903	-4,2017	-0,3193	-4,1976	-28,7945
149	149	1170	SLU-ENVE	Min	83,458	0	-29,9505	-3,1255	-0,4122	-3,1192	-29,9569
149	149	1169	SLU-ENVE	Min	-66,138	0	-22,7892	-1,872	-2,6387	-1,5443	-23,117
149	149	14	SLE-ENVE	Max	15,382	0	17,5466	3,5082	1,7567	17,7631	3,2917
149	149	15	SLE-ENVE	Max	28,839	0	28,7901	5,0788	1,2556	28,8564	5,0125
149	149	1170	SLE-ENVE	Max	6,005	0	30,742	5,4546	1,2332	30,802	5,3947
149	149	1169	SLE-ENVE	Max	8,574	0	18,4985	2,9219	1,7343	18,6893	2,7312
149	149	14	SLE-ENVE	Min	-77,233	0	-10,8993	-1,3163	-1,4309	-1,1072	-11,1084
149	149	15	SLE-ENVE	Min	83,522	0	-13,4561	-2,009	-0,2035	-2,0054	-13,4598
149	149	1170	SLE-ENVE	Min	86,259	0	-14,0804	-1,4875	-0,2654	-1,4819	-14,086
149	149	1169	SLE-ENVE	Min	-61,753	0	-11,2894	-0,8959	-1,4928	-0,6857	-11,4996
150	150	1315	SLU-ENVE	Max	77,736	0	49,3135	9,3739	2,952	49,5305	9,1569
150	150	1316	SLU-ENVE	Max	69,879	0	41,9675	6,3915	5,7762	42,8818	5,4772
150	150	16	SLU-ENVE	Max	30,885	0	45,3385	6,6323	5,5088	46,1073	5,8636
150	150	15	SLU-ENVE	Max	50,32	0	52,7267	9,1639	2,6846	52,8915	8,9991
150	150	1315	SLU-ENVE	Min	-73,734	0	-27,5322	-4,8478	1,18	-4,7866	-27,5934
150	150	1316	SLU-ENVE	Min	-74,98	0	-38,8991	-7,6677	-0,1889	-7,6665	-38,9002
150	150	16	SLU-ENVE	Min	83,507	0	-40,909	-6,9497	-0,2778	-6,9475	-40,9113
150	150	15	SLU-ENVE	Min	76,752	0	-28,7853	-4,2025	1,0934	-4,154	-28,8339
150	150	1315	SLE-ENVE	Max	80,298	0	26,9028	5,1776	1,622	27,0232	5,0572
150	150	1316	SLE-ENVE	Max	75,316	0	23,0753	3,547	3,1874	23,5824	3,04
150	150	16	SLE-ENVE	Max	29,761	0	24,9472	3,6829	3,0325	25,3712	3,2589
150	150	15	SLE-ENVE	Max	51,038	0	28,7945	5,0744	1,4671	28,8849	4,984
150	150	1315	SLE-ENVE	Min	-73,512	0	-12,7711	-2,3165	0,6483	-2,2764	-12,8111

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
150	150	1316	SLE-ENVE	Min	-72,393	0	-18,525	-3,7829	-0,09	-3,7824	-18,5255
150	150	16	SLE-ENVE	Min	87,518	0	-19,624	-3,452	-0,1424	-3,4507	-19,6252
150	150	15	SLE-ENVE	Min	80,265	0	-13,4534	-2,0098	0,596	-1,9788	-13,4844
156	156	1390	SLU-ENVE	Max	-57,807	0	-25,7372	-3,4494	22,8377	10,8182	-40,0048
156	156	1391	SLU-ENVE	Max	-61,412	0	-13,1526	-2,414	20,7381	13,6386	-29,2052
156	156	1370	SLU-ENVE	Max	-56,858	0	-15,7978	-4,7155	20,1169	10,6095	-31,1227
156	156	1369	SLU-ENVE	Max	-51,543	0	-30,5588	-6,5902	22,2165	6,6682	-43,8172
156	156	1390	SLU-ENVE	Min	-53,828	0	-27,5668	-4,2554	14,6171	2,7843	-34,6065
156	156	1391	SLU-ENVE	Min	-54,681	0	-14,7687	-2,7377	13,2577	5,8054	-23,3118
156	156	1370	SLU-ENVE	Min	-50,07	0	-18,8942	-6,2137	12,8775	1,7998	-26,9077
156	156	1369	SLU-ENVE	Min	-47,436	0	-34,1074	-7,6287	14,237	-1,4266	-40,3095
156	156	1390	SLE-ENVE	Max	-57,944	0	-16,7879	-2,6284	12,6402	4,7797	-24,196
156	156	1391	SLE-ENVE	Max	-61,135	0	-8,6475	-1,605	11,4803	6,882	-17,1344
156	156	1370	SLE-ENVE	Max	-56,315	0	-10,1106	-2,8731	11,1359	5,2173	-18,201
156	156	1369	SLE-ENVE	Max	-51,18	0	-19,4618	-4,1532	12,2958	2,6761	-26,2911
156	156	1390	SLE-ENVE	Min	-53,844	0	-18,2222	-2,8788	8,1099	0,6131	-21,7141
156	156	1391	SLE-ENVE	Min	-54,566	0	-9,79	-1,8617	7,3564	2,5307	-14,1824
156	156	1370	SLE-ENVE	Min	-49,947	0	-12,0641	-3,7859	7,1474	0,3344	-16,1844
156	156	1369	SLE-ENVE	Min	-47,366	0	-22,3897	-4,9553	7,9009	-1,9075	-25,4375
157	157	1369	SLU-ENVE	Max	-45,833	0	-30,5591	-6,5915	21,7047	6,218	-43,3685
157	157	1370	SLU-ENVE	Max	-57,118	0	-15,7984	-4,7187	19,3017	9,8225	-30,3396
157	157	1349	SLU-ENVE	Max	-58,315	0	-18,673	-6,376	18,644	7,1072	-32,1562
157	157	1348	SLU-ENVE	Max	-45,964	0	-35,8037	-8,7951	21,047	2,7074	-47,3063
157	157	1369	SLU-ENVE	Min	-45,126	0	-34,1082	-7,6463	13,8872	-1,6962	-40,0583
157	157	1370	SLU-ENVE	Min	-49,751	0	-18,8955	-6,2199	12,3566	1,3294	-26,4448
157	157	1349	SLU-ENVE	Min	-50,739	0	-23,4534	-9,0163	11,9219	-2,2979	-30,1718
157	157	1348	SLU-ENVE	Min	-45,502	0	-42,3634	-11,257	13,4525	-6,2463	-47,374
157	157	1369	SLE-ENVE	Max	-45,345	0	-19,462	-4,1544	12,0124	2,4353	-26,0517
157	157	1370	SLE-ENVE	Max	-56,694	0	-10,1111	-2,8752	10,6904	4,7929	-17,7792
157	157	1349	SLE-ENVE	Max	-58,2	0	-11,7015	-3,7701	10,3365	3,3354	-18,8069
157	157	1348	SLE-ENVE	Max	-45,654	0	-22,36	-5,3756	11,6585	0,5557	-28,2913
157	157	1369	SLE-ENVE	Min	-44,99	0	-22,3917	-4,965	7,7099	-2,0437	-25,313
157	157	1370	SLE-ENVE	Min	-49,734	0	-12,0649	-3,7899	6,863	0,0863	-15,9412
157	157	1349	SLE-ENVE	Min	-50,991	0	-14,5724	-5,3102	6,6303	-1,8538	-18,0288
157	157	1348	SLE-ENVE	Min	-45,503	0	-26,9354	-6,9744	7,4772	-4,4842	-29,4256
158	158	1348	SLU-ENVE	Max	-45,515	0	-35,7993	-8,7732	20,5899	2,3419	-46,9144
158	158	1349	SLU-ENVE	Max	-50,376	0	-18,6738	-6,38	17,7108	6,2203	-31,2741
158	158	1328	SLU-ENVE	Max	-41,552	0	-21,7963	-6,5614	16,7964	4,2642	-32,6219
158	158	1327	SLU-ENVE	Max	-31,195	0	-41,3164	-8,8035	19,6755	0,4625	-50,5824
158	158	1348	SLU-ENVE	Min	-44,92	0	-42,3558	-11,2192	13,1336	-6,4193	-47,1557
158	158	1349	SLU-ENVE	Min	-47,598	0	-23,4534	-9,0161	11,3425	-2,79	-29,6795
158	158	1328	SLU-ENVE	Min	-43,415	0	-28,353	-9,5462	10,7813	-4,6437	-33,2555
158	158	1327	SLU-ENVE	Min	-38,468	0	-51,4069	-11,3452	12,5724	-7,7265	-55,0256
158	158	1348	SLE-ENVE	Max	-44,883	0	-22,3575	-5,363	11,4243	0,3776	-28,0981
158	158	1349	SLE-ENVE	Max	-50,038	0	-11,7021	-3,7731	9,8359	2,8672	-18,3423
158	158	1328	SLE-ENVE	Max	-41,111	0	-13,4407	-3,819	9,3505	1,8857	-19,1454
158	158	1327	SLE-ENVE	Max	-30,008	0	-25,4019	-5,3164	10,9389	-0,5093	-30,209
158	158	1348	SLE-ENVE	Min	-44,96	0	-26,9311	-6,9533	7,3151	-4,5612	-29,3232
158	158	1349	SLE-ENVE	Min	-47,703	0	-14,5727	-5,3116	6,3186	-2,1085	-17,7758
158	158	1328	SLE-ENVE	Min	-43,347	0	-17,2839	-5,5223	6,0194	-2,9878	-19,8184
158	158	1327	SLE-ENVE	Min	-37,941	0	-31,8843	-6,9427	7,0159	-5,1047	-33,7224
159	159	15	SLU-ENVE	Max	38,6	0	52,7286	9,1736	2,4039	52,8609	9,0413

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
159	159	16	SLU-ENVE	Max	35,547	0	45,3366	6,6226	5,4191	46,0808	5,8784
159	159	1171	SLU-ENVE	Max	15,806	0	49,7385	10,0093	5,4615	50,4757	9,2722
159	159	1170	SLU-ENVE	Max	12,975	0	56,3772	9,8572	2,4463	56,5055	9,7289
159	159	15	SLU-ENVE	Min	86,075	0	-28,7849	-4,2006	1,0565	-4,1553	-28,8303
159	159	16	SLU-ENVE	Min	-86,614	0	-40,909	-6,9501	-0,3605	-6,9463	-40,9129
159	159	1171	SLU-ENVE	Min	80,982	0	-42,8032	-5,4094	-0,3659	-5,4058	-42,8068
159	159	1170	SLU-ENVE	Min	77,453	0	-30,0111	-3,1377	1,0494	-3,0967	-30,052
159	159	15	SLE-ENVE	Max	38,074	0	28,7956	5,0799	1,3029	28,8669	5,0085
159	159	16	SLE-ENVE	Max	34,954	0	24,9461	3,6775	2,9757	25,3546	3,269
159	159	1171	SLE-ENVE	Max	14,562	0	27,393	5,5579	2,9903	27,7951	5,1558
159	159	1170	SLE-ENVE	Max	11,428	0	30,8174	5,4697	1,3175	30,8857	5,4014
159	159	15	SLE-ENVE	Min	89,658	0	-13,4531	-2,0084	0,5626	-1,9808	-13,4807
159	159	16	SLE-ENVE	Min	-83,689	0	-19,624	-3,452	-0,1876	-3,4498	-19,6261
159	159	1171	SLE-ENVE	Min	80,884	0	-20,6447	-2,6936	-0,1998	-2,6913	-20,6469
159	159	1170	SLE-ENVE	Min	77,903	0	-14,1111	-1,4937	0,5503	-1,4697	-14,1351
160	160	1306	SLU-ENVE	Max	-37,398	0	-47,3767	-5,2433	15,4932	-0,1596	-52,4604
160	160	1307	SLU-ENVE	Max	-22,572	0	-24,916	-4,4919	12,8915	1,7423	-31,1502
160	160	1139	SLU-ENVE	Max	25,359	0	-27,5081	0,5529	11,08	4,4003	-31,3555
160	160	1141	SLU-ENVE	Max	-13,802	0	-51,5624	-1,4665	13,6816	2,0265	-55,0554
160	160	1306	SLU-ENVE	Min	-41,329	0	-60,6793	-7,0361	10,0051	-5,2308	-62,4846
160	160	1307	SLU-ENVE	Min	-31,989	0	-33,1224	-6,7339	8,2306	-4,3772	-35,4791
160	160	1139	SLU-ENVE	Min	27,565	0	-37,103	0,4314	6,8444	1,6405	-38,3121
160	160	1141	SLU-ENVE	Min	-26,435	0	-66,6978	-1,8796	8,6189	-0,7531	-67,8243
160	160	1306	SLE-ENVE	Max	-38,16	0	-28,7896	-3,1209	8,6446	-0,4811	-31,4294
160	160	1307	SLE-ENVE	Max	-23,084	0	-15,2041	-2,5834	7,1557	0,6469	-18,4344
160	160	1139	SLE-ENVE	Max	27,321	0	-16,664	0,3337	6,0697	2,2785	-18,6089
160	160	1141	SLE-ENVE	Max	-15,025	0	-31,2198	-0,883	7,5586	0,8959	-32,9987
160	160	1306	SLE-ENVE	Min	-41,588	0	-37,0212	-4,2171	5,5969	-3,2885	-37,9499
160	160	1307	SLE-ENVE	Min	-31,785	0	-19,9661	-3,8281	4,5749	-2,6214	-21,1728
160	160	1139	SLE-ENVE	Min	28,153	0	-22,1879	0,2579	3,752	0,8685	-22,7984
160	160	1141	SLE-ENVE	Min	-25,861	0	-40,4979	-1,1376	4,774	-0,5668	-41,0687
174	174	1316	SLU-ENVE	Max	71,689	0	41,9984	6,3977	8,0109	43,7179	4,6781
174	174	1317	SLU-ENVE	Max	31,887	0	0,6129	-2,061	9,3347	8,7059	-10,154
174	174	17	SLU-ENVE	Max	30,97	0	1,2229	-2,2404	9,3046	8,9556	-9,9731
174	174	16	SLU-ENVE	Max	55,026	0	45,3722	6,639	7,9808	46,9521	5,0591
174	174	1316	SLU-ENVE	Min	-69,389	0	-38,8848	-7,6648	-1,7759	-7,5641	-38,9855
174	174	1317	SLU-ENVE	Min	-80,375	0	-52,441	-10,8409	-3,4726	-10,5531	-52,7289
174	174	17	SLU-ENVE	Min	83,657	0	-55,2627	-10,3825	-3,6063	-10,0946	-55,5507
174	174	16	SLU-ENVE	Min	-86,94	0	-40,9187	-6,9517	-1,9096	-6,8447	-41,0257
174	174	1316	SLE-ENVE	Max	75,725	0	23,0925	3,5505	4,4268	24,0485	2,5945
174	174	1317	SLE-ENVE	Max	27,736	0	0,4332	-1,0977	5,1619	4,8861	-5,5506
174	174	17	SLE-ENVE	Max	28,418	0	0,7716	-1,2003	5,1405	5,0199	-5,4485
174	174	16	SLE-ENVE	Max	54,839	0	24,9661	3,6867	4,4054	25,8421	2,8107
174	174	1316	SLE-ENVE	Min	-64,126	0	-18,5176	-3,7815	-0,9534	-3,72	-18,5791
174	174	1317	SLE-ENVE	Min	-71,408	0	-26,0357	-5,5172	-1,8765	-5,347	-26,2059
174	174	17	SLE-ENVE	Min	86,119	0	-27,5896	-5,3261	-1,9433	-5,1578	-27,758
174	174	16	SLE-ENVE	Min	-82,022	0	-19,6291	-3,453	-1,0202	-3,3889	-19,6932
175	175	16	SLU-ENVE	Max	45,866	0	45,3702	6,6294	7,9317	46,9313	5,0683
175	175	17	SLU-ENVE	Max	38,423	0	1,2172	-2,2691	9,3523	8,9874	-10,0393
175	175	1172	SLU-ENVE	Max	38,095	0	2,779	1,3532	9,4392	11,5322	-7,4
175	175	1171	SLU-ENVE	Max	44,311	0	49,4594	9,9534	8,0187	51,025	8,3879
175	175	16	SLU-ENVE	Min	-76,953	0	-40,9188	-6,952	-1,9836	-6,8366	-41,0342

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
175	175	17	SLU-ENVE	Min	-62,3	0	-55,2649	-10,3932	-3,8001	-10,0737	-55,5844
175	175	1172	SLU-ENVE	Min	86,253	0	-58,1176	-8,5052	-3,8788	-8,2038	-58,419
175	175	1171	SLU-ENVE	Min	79,548	0	-42,8305	-5,4148	-2,0623	-5,3015	-42,9438
175	175	16	SLE-ENVE	Max	45,238	0	24,9651	3,6813	4,3713	25,8279	2,8185
175	175	17	SLE-ENVE	Max	37,481	0	0,7684	-1,2162	5,1629	5,0336	-5,4813
175	175	1172	SLE-ENVE	Max	37,11	0	1,6397	0,7843	5,2045	6,434	-4,01
175	175	1171	SLE-ENVE	Max	43,373	0	27,238	5,5269	4,4128	28,1007	4,6643
175	175	16	SLE-ENVE	Min	-73,714	0	-19,6292	-3,453	-1,0605	-3,3838	-19,6984
175	175	17	SLE-ENVE	Min	-56,702	0	-27,5907	-5,3317	-2,0358	-5,1471	-27,7754
175	175	1172	SLE-ENVE	Min	83,303	0	-29,1421	-4,3834	-2,0718	-4,2113	-29,3143
175	175	1171	SLE-ENVE	Min	77,957	0	-20,6628	-2,6972	-1,0965	-2,6305	-20,7295
176	176	1318	SLU-ENVE	Max	55,464	0	-68,1715	-13,4467	-0,2205	-13,4458	-68,1724
176	176	1000	SLU-ENVE	Max	-3,573	0	-94,1672	-24,7301	-5,048	-24,365	-94,5323
176	176	18	SLU-ENVE	Max	-84,042	0	-90,8023	-2,7819	-3,1204	-2,6714	-90,9127
176	176	19	SLU-ENVE	Max	84,179	0	-77,4442	-15,733	1,7072	-15,6858	-77,4914
176	176	1318	SLU-ENVE	Min	-52,923	0	-81,897	-16,1227	-	-13,227	-84,7928
176	176	1000	SLU-ENVE	Min	-37,61	0	-161,2999	-44,4199	-	-41,9455	-
176	176	18	SLU-ENVE	Min	-55,788	0	-152,9249	-6,745	-	-4,9804	-
176	176	19	SLU-ENVE	Min	-76,462	0	-96,2143	-20,3114	-	-18,1227	-98,403
176	176	1318	SLE-ENVE	Max	53,354	0	-35,3228	-7,0171	-0,1276	-7,0165	-35,3234
176	176	1000	SLE-ENVE	Max	-3,26	0	-50,5898	-13,4194	-2,8117	-13,2079	-50,8013
176	176	18	SLE-ENVE	Max	-85,383	0	-48,6229	-1,2036	-1,7536	-1,1389	-48,6876
176	176	19	SLE-ENVE	Max	83,721	0	-40,4871	-8,2979	0,9305	-8,271	-40,5139
176	176	1318	SLE-ENVE	Min	-52,333	0	-43,8668	-8,6628	-7,7449	-7,0342	-45,4954
176	176	1000	SLE-ENVE	Min	-36,932	0	-88,3778	-24,3676	-9,4401	-23,0044	-89,741
176	176	18	SLE-ENVE	Min	-56,242	0	-83,8212	-3,467	-8,855	-2,5028	-84,7854
176	176	19	SLE-ENVE	Min	-76,713	0	-51,8356	-10,9959	-7,1598	-9,777	-53,0545
182	182	1391	SLU-ENVE	Max	-62,091	0	-13,1418	-2,4118	19,3929	12,3445	-27,8982
182	182	1392	SLU-ENVE	Max	-78,141	0	-4,5583	-1,7477	18,4878	15,3882	-21,6942
182	182	1371	SLU-ENVE	Max	-77,572	0	-5,6527	-4,0438	17,68	12,85	-22,5466
182	182	1370	SLU-ENVE	Max	-62,053	0	-15,7962	-4,7151	18,585	9,1376	-29,649
182	182	1391	SLU-ENVE	Min	-54,204	0	-14,7567	-2,7348	12,3857	5,0215	-22,513
182	182	1392	SLU-ENVE	Min	-66,205	0	-5,6626	-2,5694	11,7964	7,7813	-16,0133
182	182	1371	SLU-ENVE	Min	-65,264	0	-7,3697	-6,0619	11,2943	4,5974	-18,029
182	182	1370	SLU-ENVE	Min	-53,697	0	-18,8901	-6,2129	11,8837	0,917	-26,02
182	182	1391	SLE-ENVE	Max	-61,709	0	-8,6415	-1,6038	10,7375	6,1767	-16,422
182	182	1392	SLE-ENVE	Max	-78,269	0	-2,9652	-1,0494	10,2389	8,2763	-12,291
182	182	1371	SLE-ENVE	Max	-77,721	0	-3,5704	-2,3083	9,7943	6,8753	-12,7539
182	182	1370	SLE-ENVE	Max	-61,786	0	-10,1102	-2,873	10,2928	4,4188	-17,402
182	182	1391	SLE-ENVE	Min	-54	0	-9,7835	-1,8601	6,8731	2,1113	-13,7549
182	182	1392	SLE-ENVE	Min	-66,398	0	-3,5799	-1,5346	6,5464	4,0685	-9,183
182	182	1371	SLE-ENVE	Min	-65,63	0	-4,5195	-3,4562	6,2705	2,3052	-10,2808
182	182	1370	SLE-ENVE	Min	-53,608	0	-12,0626	-3,7856	6,5972	-0,1363	-15,712
183	183	1370	SLU-ENVE	Max	-64,599	0	-15,7969	-4,7184	17,781	8,3662	-28,8815
183	183	1371	SLU-ENVE	Max	-66,779	0	-5,6574	-4,0673	16,6767	11,8333	-21,558
183	183	1350	SLU-ENVE	Max	-62,482	0	-6,8559	-5,6698	15,675	9,4234	-21,9491
183	183	1349	SLU-ENVE	Max	-58,643	0	-18,6654	-6,3745	16,7794	5,3495	-30,3893
183	183	1370	SLU-ENVE	Min	-55,324	0	-18,8914	-6,2191	11,376	0,4662	-25,5767
183	183	1371	SLU-ENVE	Min	-56,68	0	-7,377	-6,098	10,6645	3,9461	-17,4211

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
183	183	1350	SLU-ENVE	Min	-53,302	0	-9,2385	-8,7994	10,0324	1,0158	-19,0537
183	183	1349	SLU-ENVE	Min	-50,503	0	-23,4296	-9,0115	10,7439	-3,2822	-29,1589
183	183	1370	SLE-ENVE	Max	-64,77	0	-10,1106	-2,8751	9,854	4,0042	-16,99
183	183	1371	SLE-ENVE	Max	-66,424	0	-3,573	-2,3215	9,2434	6,3172	-12,2118
183	183	1350	SLE-ENVE	Max	-61,807	0	-4,2399	-3,1816	8,697	5,0023	-12,4239
183	183	1349	SLE-ENVE	Max	-58,246	0	-11,6972	-3,7693	9,3076	2,3833	-17,8498
183	183	1370	SLE-ENVE	Min	-55,521	0	-12,0634	-3,7896	6,3206	-0,3725	-15,4806
183	183	1371	SLE-ENVE	Min	-56,637	0	-4,5235	-3,4765	5,9242	1,9473	-9,9473
183	183	1350	SLE-ENVE	Min	-53,221	0	-5,5532	-4,934	5,5788	0,3438	-10,831
183	183	1349	SLE-ENVE	Min	-50,55	0	-14,5599	-5,3077	5,9752	-2,3771	-17,4905
184	184	1349	SLU-ENVE	Max	-50,117	0	-18,6662	-6,3785	15,8218	4,4504	-29,4951
184	184	1350	SLU-ENVE	Max	-63,921	0	-6,8593	-5,687	14,4211	8,1598	-20,7062
184	184	1329	SLU-ENVE	Max	-74,138	0	-8,1697	-5,9166	13,1863	6,1912	-20,2774
184	184	1328	SLU-ENVE	Max	-55,09	0	-21,7964	-6,5614	14,5869	2,2772	-30,6351
184	184	1349	SLU-ENVE	Min	-47,166	0	-23,4296	-9,0113	10,1444	-3,7754	-28,6656
184	184	1350	SLU-ENVE	Min	-53,207	0	-9,2438	-8,8261	9,2365	0,2039	-18,2738
184	184	1329	SLU-ENVE	Min	-61,108	0	-11,2567	-9,4021	8,4551	-1,8236	-18,8353
184	184	1328	SLU-ENVE	Min	-50,054	0	-28,3624	-9,5481	9,3631	-5,6827	-32,2279
184	184	1349	SLE-ENVE	Max	-49,567	0	-11,6978	-3,7722	8,7921	1,9088	-17,3789
184	184	1350	SLE-ENVE	Max	-63,597	0	-4,2418	-3,1911	8,0084	4,3092	-11,7421
184	184	1329	SLE-ENVE	Max	-74,903	0	-4,9795	-3,2787	7,3325	3,2525	-11,5108
184	184	1328	SLE-ENVE	Max	-55,043	0	-13,4407	-3,819	8,1161	0,805	-18,0647
184	184	1349	SLE-ENVE	Min	-47,117	0	-14,5602	-5,3091	5,6515	-2,6315	-17,2377
184	184	1350	SLE-ENVE	Min	-53,475	0	-5,5562	-4,9488	5,1403	-0,1032	-10,4018
184	184	1329	SLE-ENVE	Min	-62,487	0	-6,6833	-5,2063	4,7107	-1,1765	-10,7131
184	184	1328	SLE-ENVE	Min	-50,312	0	-17,2888	-5,5233	5,2219	-3,5399	-19,2722
185	185	19	SLU-ENVE	Max	79,087	0	-77,4657	-15,8406	9,0299	-14,5447	-78,7616
185	185	18	SLU-ENVE	Max	79,339	0	-90,7595	-2,5244	-0,0575	-2,5244	-90,7595
185	185	999	SLU-ENVE	Max	43,053	0	-114,7834	-35,749	0,6012	-35,7445	-
											114,7879
185	185	1173	SLU-ENVE	Max	39,024	0	-74,3981	-14,0025	9,6886	-12,4863	-75,9143
185	185	19	SLU-ENVE	Min	-89,121	0	-96,2457	-20,4686	-8,7931	-19,4617	-97,2527
185	185	18	SLU-ENVE	Min	82,707	0	-152,8474	-6,3887	-	-4,9602	-
									14,5345		154,2759
185	185	999	SLU-ENVE	Min	72,678	0	-199,7202	-63,9029	-	-62,3802	-
									14,4609		201,2428
185	185	1173	SLU-ENVE	Min	74,577	0	-89,9179	-18,3774	-8,7195	-17,33	-90,9653
185	185	19	SLE-ENVE	Max	78,586	0	-40,4984	-8,3547	4,9604	-7,6066	-41,2465
185	185	18	SLE-ENVE	Max	79,786	0	-48,6002	-1,0663	-0,0733	-1,0662	-48,6004
185	185	999	SLE-ENVE	Max	43,39	0	-61,8685	-19,3874	0,2891	-19,3854	-61,8705
185	185	1173	SLE-ENVE	Max	39,963	0	-38,8268	-7,4177	5,3228	-6,5402	-39,7043
185	185	19	SLE-ENVE	Min	-89,026	0	-51,8527	-11,0812	-4,769	-10,5308	-52,4031
185	185	18	SLE-ENVE	Min	83,426	0	-83,7788	-3,273	-7,9378	-2,4978	-84,554
185	185	999	SLE-ENVE	Min	73,794	0	-109,6346	-35,1033	-7,8567	-34,2841	-
											110,4538
185	185	1173	SLE-ENVE	Min	75,167	0	-48,3554	-9,9737	-4,688	-9,4094	-48,9197
186	186	1307	SLU-ENVE	Max	25,165	0	-24,9911	-4,5069	10,5645	-0,0348	-29,4632
186	186	1308	SLU-ENVE	Max	71,356	0	-9,6969	-3,7599	8,5268	2,3004	-15,7571
186	186	1137	SLU-ENVE	Max	-39,026	0	-11,6658	-0,1673	6,814	2,9989	-14,832
186	186	1139	SLU-ENVE	Max	-24,324	0	-27,5877	0,5371	8,8517	3,091	-30,1416
186	186	1307	SLU-ENVE	Min	24,493	0	-33,2467	-6,7587	6,6632	-5,177	-34,8284
186	186	1308	SLU-ENVE	Min	-89,321	0	-13,5887	-6,1819	5,3572	-3,3727	-16,398
186	186	1137	SLU-ENVE	Min	-41,899	0	-16,7889	-0,2509	4,0908	0,7056	-17,7454

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
186	186	1139	SLU-ENVE	Min	-30,804	0	-37,1819	0,4154	5,3967	1,1748	-37,9412
186	186	1307	SLE-ENVE	Max	28,387	0	-15,2415	-2,5909	5,8378	-0,3087	-17,5237
186	186	1308	SLE-ENVE	Max	71,642	0	-5,8435	-2,0464	4,704	1,1277	-9,0177
186	186	1137	SLE-ENVE	Max	-39,5	0	-6,9177	-0,0943	3,6841	1,5152	-8,5272
186	186	1139	SLE-ENVE	Max	-24,653	0	-16,7181	0,3221	4,8178	1,59	-17,9859
186	186	1307	SLE-ENVE	Min	26,042	0	-20,0284	-3,8405	3,6845	-3,0414	-20,8275
186	186	1308	SLE-ENVE	Min	78,895	0	-7,9951	-3,3659	2,9534	-1,9281	-9,4329
186	186	1137	SLE-ENVE	Min	-41,906	0	-9,7425	-0,141	2,1958	0,3374	-10,2208
186	186	1139	SLE-ENVE	Min	-30,251	0	-22,2455	0,2471	2,9268	0,6217	-22,6201
200	200	1319	SLU-ENVE	Max	-11,968	0	-11,087	-4,2787	-	9,9346	-25,3003
									17,2854		
200	200	1320	SLU-ENVE	Max	-3,242	0	48,6819	6,9998	-	55,4446	0,2371
									18,1002		
200	200	20	SLU-ENVE	Max	-49,739	0	52,2838	6,4819	-	58,7508	0,0149
									18,3854		
200	200	21	SLU-ENVE	Max	-42,897	0	-12,3134	-4,6739	-	9,4874	-26,4747
									17,5706		
200	200	1319	SLU-ENVE	Min	-41,766	0	-56,621	-13,3836	-	-3,97	-66,0346
									22,2629		
200	200	1320	SLU-ENVE	Min	-45,473	0	16,5658	0,8157	-	32,7305	-15,349
									22,7133		
200	200	20	SLU-ENVE	Min	-57,282	0	18,7477	0,3484	-	34,3115	-15,2154
									22,9912		
200	200	21	SLU-ENVE	Min	-54,718	0	-61,65	-14,1157	-	-5,0848	-70,6809
									22,6016		
200	200	1319	SLE-ENVE	Max	-5,975	0	-5,5435	-2,1804	-9,6104	5,8945	-13,6184
200	200	1320	SLE-ENVE	Max	3,629	0	26,4524	3,9096	-	30,2885	0,0734
									10,0596		
200	200	20	SLE-ENVE	Max	-43,594	0	28,4431	3,6388	-	32,1117	-0,0299
									10,2205		
200	200	21	SLE-ENVE	Max	-37,513	0	-6,2339	-2,3786	-9,7714	5,6534	-14,2659
200	200	1319	SLE-ENVE	Min	-32,748	0	-30,5472	-7,2587	-	-2,0109	-35,795
									12,2373		
200	200	1320	SLE-ENVE	Min	-35,302	0	9,9307	0,5871	-	18,642	-8,1242
									12,5412		
200	200	20	SLE-ENVE	Min	-54,055	0	11,1444	0,3112	-	19,5221	-8,0665
									12,6863		
200	200	21	SLE-ENVE	Min	-50,791	0	-33,3366	-7,6761	-	-2,6579	-38,3548
									12,4078		
201	201	21	SLU-ENVE	Max	-49,341	0	-12,3284	-4,7489	-	10,2687	-27,3459
									18,4215		
201	201	20	SLU-ENVE	Max	-48,344	0	52,2789	6,4574	-	58,6336	0,1027
									18,2088		
201	201	1175	SLU-ENVE	Max	-61,381	0	56,0764	9,2075	-18,199	62,3131	2,9708
201	201	1174	SLU-ENVE	Max	-63,78	0	-10,403	-3,943	-	11,5199	-25,8658
									18,4117		
201	201	21	SLU-ENVE	Min	-57,153	0	-61,6725	-14,2285	-	-4,6248	-71,2762
									23,4066		
201	201	20	SLU-ENVE	Min	-54,364	0	18,7428	0,3241	-	34,2649	-15,198
									22,9528		
201	201	1175	SLU-ENVE	Min	-64,717	1,176E-20	20,6775	3,1292	-23,05	36,5669	-12,7602
201	201	1174	SLU-ENVE	Min	-67,718	1,107E-20	-62,1799	-14,172	-23,665	-4,468	-71,8839
201	201	21	SLE-ENVE	Max	-46,042	0	-6,242	-2,4192	-	6,0937	-14,7549
									10,2476		



AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
201	201	20	SLE-ENVE	Max	-45,936	0	28,4404	3,6254	-	32,048	0,0178
201	201	1175	SLE-ENVE	Max	-60,604	0	30,5496	5,1535	10,1261	-	1,6098
201	201	1174	SLE-ENVE	Max	-62,866	0	-5,1893	-1,9839	10,1269	34,0933	-
201	201	21	SLE-ENVE	Min	-54,422	0	-33,349	-7,7382	10,2484	6,7864	-13,9596
201	201	20	SLE-ENVE	Min	-51,923	0	11,1417	0,2979	-	-2,4099	-38,6773
201	201	1175	SLE-ENVE	Min	-63,331	0	12,2273	1,8516	12,8395	19,4864	-8,0468
201	201	1174	SLE-ENVE	Min	-66,18	0	-33,6397	-7,7199	-12,654	20,758	-6,6791
202	202	1320	SLU-ENVE	Max	13,109	0	48,7206	7,0075	12,6999	-	-39,0113
202	202	1321	SLU-ENVE	Max	41,293	0	96,0107	16,7726	12,9648	54,7691	0,9591
202	202	22	SLU-ENVE	Max	-42,377	0	101,9592	16,0109	16,9965	98,4246	14,3587
202	202	20	SLU-ENVE	Max	-23,64	0	52,0428	6,4337	14,0391	104,1321	13,8379
202	202	1320	SLU-ENVE	Min	-23,379	0	16,6132	0,8252	13,8377	57,5601	0,9165
202	202	1321	SLU-ENVE	Min	-43,918	0	69,8611	12,6803	16,7951	31,5708	-14,1324
202	202	22	SLU-ENVE	Min	-51,472	0	75,0326	12,3335	21,4448	75,1299	7,4116
202	202	20	SLU-ENVE	Min	-43,391	0	18,3593	0,2707	18,1392	18,137	7,465
202	202	1320	SLE-ENVE	Max	15,24	0	26,4742	3,914	21,4425	32,5869	-13,9569
202	202	1321	SLE-ENVE	Max	39,199	0	51,5421	9,1721	-9,4436	29,9053	0,4828
202	202	22	SLE-ENVE	Max	-31,887	0	54,8339	8,7863	-7,7949	52,9306	7,7835
202	202	20	SLE-ENVE	Max	-18,632	0	28,3104	3,6123	-7,6828	56,0819	7,5383
202	202	1320	SLE-ENVE	Min	-9,31	0	9,9572	0,5924	-9,3314	31,4395	0,4831
202	202	1321	SLE-ENVE	Min	18,616	0	39,4604	7,164	-	18,0097	-7,4601
202	202	22	SLE-ENVE	Min	-48,451	0	42,3376	6,9555	11,8428	42,3131	4,3112
202	202	20	SLE-ENVE	Min	-38,551	0	10,9302	0,2684	10,0136	44,9683	4,3247
208	208	1392	SLU-ENVE	Max	-84,596	0	-4,554	-1,7468	10,0001	18,5744	-7,3758
208	208	935	SLU-ENVE	Max	-82,814	0	0,0076	-1,9315	11,8294	18,1142	15,0181
208	208	933	SLU-ENVE	Max	-81,916	0	-0,0117	-4,5544	18,0835	17,1475	-19,0714
208	208	1371	SLU-ENVE	Max	-83,806	0	-5,6497	-4,0432	17,1754	15,0418	-19,608
208	208	1392	SLU-ENVE	Min	-77,697	0	-5,6567	-2,5681	17,206	12,3783	-22,0712
208	208	935	SLU-ENVE	Min	-75,587	0	0,0044	-3,1584	11,551	7,5413	-15,7661
208	208	933	SLU-ENVE	Min	-73,431	0	-0,0178	-7,1877	11,5243	10,0553	-13,2093
208	208	1371	SLU-ENVE	Min	-74,548	0	-7,3628	-6,0605	10,9545	7,9234	-15,1289
208	208	1392	SLE-ENVE	Max	-84,831	0	-2,9629	-1,049	10,9811	4,2887	-17,7121
208	208	935	SLE-ENVE	Max	-82,549	0	0,0041	-1,0615	10,0337	8,0733	-12,0852
208	208	933	SLE-ENVE	Max	-81,584	0	-0,0066	-2,4995	10,0166	9,502	-10,5595
208	208	1371	SLE-ENVE	Max	-84,026	0	-3,5687	-2,3079	9,5155	8,3437	-10,8499
208	208	1392	SLE-ENVE	Min	-78,111	0	-3,5769	-1,5339	9,5327	6,6152	-12,4918
208	208	935	SLE-ENVE	Min	-75,383	0	0,0024	-1,7707	6,4104	3,9358	-9,0466
208	208	933	SLE-ENVE	Min	-73,168	0	-0,01	-3,9844	6,3946	5,5716	-7,34

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
208	208	1371	SLE-ENVE	Min	-75,005	0	-4,5158	-3,4555	6,0958	2,1332	-10,1045
209	209	1371	SLU-ENVE	Max	-71,674	0	-5,6544	-4,0667	16,2072	11,3662	-21,0872
209	209	933	SLU-ENVE	Max	-87,581	0	0,0014	-4,4926	16,0593	13,9701	-18,4614
209	209	931	SLU-ENVE	Max	-88,256	0	-0,0218	-6,4427	14,8453	11,9562	-18,4207
209	209	1350	SLU-ENVE	Max	-72,995	0	-6,851	-5,6688	14,9932	8,7449	-21,2648
209	209	1371	SLU-ENVE	Min	-60,548	0	-7,3701	-6,0966	10,3536	3,6398	-17,1065
209	209	933	SLU-ENVE	Min	-82,163	0	0,0006287	-7,0931	10,2476	7,2978	-14,3903
209	209	931	SLU-ENVE	Min	-83,794	0	-0,0327	-10,3149	9,4775	5,6083	-15,9559
209	209	1350	SLU-ENVE	Min	-62,13	0	-9,2309	-8,7979	9,5834	0,5715	-18,6003
209	209	1371	SLE-ENVE	Max	-71,116	0	-3,5714	-2,3212	8,9839	6,0594	-11,9519
209	209	933	SLE-ENVE	Max	-87,909	0	0,0005923	-2,4652	8,8991	7,7518	-10,2163
209	209	931	SLE-ENVE	Max	-88,596	0	-0,0125	-3,5202	8,2299	6,6484	-10,1811
209	209	1350	SLE-ENVE	Max	-72,58	0	-4,237	-3,1811	8,3148	4,6225	-12,0405
209	209	1371	SLE-ENVE	Min	-60,28	0	-4,5199	-3,4758	5,7507	1,7765	-9,7721
209	209	933	SLE-ENVE	Min	-82,936	0	0,0002434	-3,9322	5,6891	4,0533	-7,9853
209	209	931	SLE-ENVE	Min	-84,64	0	-0,0187	-5,6786	5,2636	3,1275	-8,8248
209	209	1350	SLE-ENVE	Min	-62,089	0	-5,5487	-4,9331	5,3252	0,0931	-10,575
210	210	1350	SLU-ENVE	Max	-82,718	0	-6,8545	-5,6861	13,7299	7,472	-20,0126
210	210	931	SLU-ENVE	Max	-72,772	0	-0,0108	-6,3878	13,3705	10,5462	-16,9448
210	210	929	SLU-ENVE	Max	-64,137	0	-0,0047	-6,7994	11,8767	8,951	-15,7551
210	210	1329	SLU-ENVE	Max	-76,175	0	-8,1632	-5,9153	12,236	5,2483	-19,3267
210	210	1350	SLU-ENVE	Min	-73,336	0	-9,2363	-8,8246	8,7804	-0,2476	-17,8133
210	210	931	SLU-ENVE	Min	-63,502	0	-0,0161	-10,2315	8,5358	4,8235	-15,0711
210	210	929	SLU-ENVE	Min	-54,279	0	-0,0092	-11,0723	7,5803	3,8433	-14,9247
210	210	1329	SLU-ENVE	Min	-61,202	0	-11,2513	-9,4011	7,825	-2,4467	-18,2056
210	210	1350	SLE-ENVE	Max	-83,315	0	-4,2389	-3,1906	7,6199	3,9232	-11,3527
210	210	931	SLE-ENVE	Max	-72,156	0	-0,0063	-3,4893	7,414	5,868	-9,3636
210	210	929	SLE-ENVE	Max	-62,742	0	-0,0022	-3,682	6,5876	4,9976	-8,6819
210	210	1329	SLE-ENVE	Max	-76,327	0	-4,9749	-3,2778	6,7935	2,7199	-10,9727
210	210	1350	SLE-ENVE	Min	-74,736	0	-5,5517	-4,9479	4,882	-0,3584	-10,1412
210	210	931	SLE-ENVE	Min	-63,497	0	-0,0094	-5,6319	4,7412	2,6914	-8,3326
210	210	929	SLE-ENVE	Min	-53,927	0	-0,0048	-6,045	4,2112	2,1573	-8,2071
210	210	1329	SLE-ENVE	Min	-61,976	0	-6,6788	-5,2054	4,352	-1,5282	-10,356
211	211	20	SLU-ENVE	Max	-34,741	0	52,0379	6,4092	-	57,4998	0,9473
									16,7048		
211	211	22	SLU-ENVE	Max	-40,871	0	101,956	15,9951	-	104,0861	13,8651
									13,6982		
211	211	1176	SLU-ENVE	Max	-42,791	0	108,5458	17,3142	-	110,5967	15,2633
									13,8316		
211	211	1175	SLU-ENVE	Max	-36,561	0	56,629	9,318	-	62,0099	3,9372
									16,8382		
211	211	20	SLU-ENVE	Min	-45,486	0	18,3545	0,2464	-	32,6355	-14,0346
									21,5069		
211	211	22	SLU-ENVE	Min	-47,74	0	75,035	12,3457	-	79,9601	7,4206
									18,2485		
211	211	1176	SLU-ENVE	Min	-52,458	0	80,2297	13,8597	-	85,0485	9,0409
									18,5216		
211	211	1175	SLU-ENVE	Min	-50,384	0	21,4623	3,2877	-21,78	35,9747	-11,2247
211	211	20	SLE-ENVE	Max	-31,848	0	28,3077	3,5989	-9,2839	31,4072	0,4994
211	211	22	SLE-ENVE	Max	-38,203	0	54,8322	8,7776	-7,602	56,0546	7,5552
211	211	1176	SLE-ENVE	Max	-39,692	0	58,4844	9,5457	-7,6752	59,6599	8,3702
211	211	1175	SLE-ENVE	Max	-33,262	0	30,8522	5,214	-9,3572	33,904	2,1621

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Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
211	211	20	SLE-ENVE	Min	-42,502	0	10,9275	0,2551	-	18,5908	-7,4082
									11,8537		
211	211	22	SLE-ENVE	Min	-45,568	0	42,3389	6,9623	-10,045	44,9922	4,3091
211	211	1176	SLE-ENVE	Min	-49,574	0	45,2328	7,5994	-	47,8097	5,0225
									10,1794		
211	211	1175	SLE-ENVE	Min	-46,46	0	12,6628	1,9395	-	20,4337	-5,8314
									11,9881		
212	212	1308	SLU-ENVE	Max	-40,98	0	-9,6651	-3,7535	6,7115	0,6242	-14,0429
212	212	927	SLU-ENVE	Max	-7,726	0	-0,098	-5,4372	5,465	3,3146	-8,8498
212	212	912	SLU-ENVE	Max	46,204	0	0,3973	0,5689	3,7798	4,2638	-3,2977
212	212	1137	SLU-ENVE	Max	-82,016	0	-11,8162	-0,1974	5,0262	1,6752	-13,6887
212	212	1308	SLU-ENVE	Min	-42,718	0	-13,5419	-6,1726	4,1731	-4,2902	-15,4242
212	212	927	SLU-ENVE	Min	-13,224	0	-0,1713	-8,9704	3,405	0,9924	-10,1341
212	212	912	SLU-ENVE	Min	46,985	0	0,241	0,3815	2,2738	2,5861	-1,9636
212	212	1137	SLU-ENVE	Min	-75,783	0	-17,0101	-0,2952	3,0419	0,2412	-17,5465
212	212	1308	SLE-ENVE	Max	-40,952	0	-5,8241	-2,0426	3,686	0,2093	-8,076
212	212	927	SLE-ENVE	Max	-7,704	0	-0,051	-2,9151	3,0046	1,8455	-4,8115
212	212	912	SLE-ENVE	Max	46,176	0	0,2156	0,3229	2,0457	2,3156	-1,7771
212	212	1137	SLE-ENVE	Max	-82,242	0	-7,0054	-0,1118	2,727	0,8365	-7,9537
212	212	1308	SLE-ENVE	Min	-42,668	0	-7,968	-3,3604	2,2872	-2,4179	-8,9105
212	212	927	SLE-ENVE	Min	-12,485	0	-0,0905	-4,8603	1,8678	0,5539	-5,5047
212	212	912	SLE-ENVE	Min	46,975	0	0,1303	0,2186	1,217	1,3923	-1,0434
212	212	1137	SLE-ENVE	Min	-77,177	0	-9,8691	-0,1663	1,6364	0,1022	-10,1377
226	226	1321	SLU-ENVE	Max	31,684	0	96,0027	16,771	-9,8384	97,2061	15,5676
226	226	1322	SLU-ENVE	Max	63,43	0	118,3027	22,0565	-5,2117	118,5841	21,7751
226	226	23	SLU-ENVE	Max	-5,278	0	125,8338	21,0246	-5,0697	126,0785	20,78
226	226	22	SLU-ENVE	Max	-1,684	0	101,9175	16,0025	-9,6964	102,9982	14,9218
226	226	1321	SLU-ENVE	Min	-8,827	0	69,8244	12,673	-	72,7437	9,7537
									13,2424		
226	226	1322	SLU-ENVE	Min	-71,027	0	83,429	16,3033	-7,5026	84,2573	15,4749
226	226	23	SLU-ENVE	Min	-37,635	0	89,1709	15,6146	-7,5353	89,9349	14,8506
226	226	22	SLU-ENVE	Min	-26,511	0	74,9787	12,3227	-	77,6753	9,6261
									13,2751		
226	226	1321	SLE-ENVE	Max	32,119	0	51,5369	9,171	-5,4579	52,2287	8,4792
226	226	1322	SLE-ENVE	Max	59,216	0	63,7044	12,0327	-2,8839	63,8648	11,8723
226	226	23	SLE-ENVE	Max	8,139	0	67,8739	11,5053	-2,8005	68,0127	11,3665
226	226	22	SLE-ENVE	Max	2,469	0	54,8104	8,7816	-5,3745	55,4296	8,1624
226	226	1321	SLE-ENVE	Min	10,871	0	39,44	7,1599	-7,3037	41,0156	5,5843
226	226	1322	SLE-ENVE	Min	68,806	0	46,8158	9,1569	-4,1293	47,2632	8,7095
226	226	23	SLE-ENVE	Min	-30,309	0	50,0061	8,768	-4,1339	50,4164	8,3577
226	226	22	SLE-ENVE	Min	-18,518	0	42,3072	6,9494	-7,3082	43,7582	5,4984
227	227	22	SLU-ENVE	Max	-21,122	0	101,9143	15,9868	-9,6483	102,9843	14,9168
227	227	23	SLU-ENVE	Max	-15,155	0	125,8328	21,0197	-4,9701	126,068	20,7845
227	227	1177	SLU-ENVE	Max	-7,505	0	134,0195	21,4645	-5,0436	134,2451	21,2389
227	227	1176	SLU-ENVE	Max	-13,082	0	108,8007	17,3652	-9,7219	109,8229	16,343
227	227	22	SLU-ENVE	Min	-35,097	0	74,9812	12,3349	-	77,7559	9,5602
									13,4732		
227	227	23	SLU-ENVE	Min	-34,967	0	89,1719	15,6198	-7,5424	89,9374	14,8543
227	227	1177	SLU-ENVE	Min	-29,231	0	95,2322	13,878	-7,7303	95,9603	13,15
227	227	1176	SLU-ENVE	Min	-30,418	0	80,4841	13,8801	-13,661	83,1772	11,187
227	227	22	SLE-ENVE	Max	-17,781	0	54,8087	8,7729	-5,3443	55,4209	8,1606
227	227	23	SLE-ENVE	Max	-8,283	0	67,8733	11,5026	-2,7373	68,0059	11,37
227	227	1177	SLE-ENVE	Max	-4,768	0	72,4071	11,8011	-2,7713	72,5335	11,6746

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
227	227	1176	SLE-ENVE	Max	-11,15	0	58,6196	9,5727	-5,3784	59,2025	8,9899
227	227	22	SLE-ENVE	Min	-31,259	0	42,3086	6,9562	-7,4013	43,7955	5,4693
227	227	23	SLE-ENVE	Min	-29,319	0	50,0067	8,771	-4,1214	50,4146	8,3631
227	227	1177	SLE-ENVE	Min	-23,344	0	53,3764	7,5053	-4,2051	53,7587	7,123
227	227	1176	SLE-ENVE	Min	-26,257	0	45,3744	7,6098	-7,485	46,8038	6,1804
228	228	1322	SLU-ENVE	Max	62,74	0	118,3097	22,0579	-0,4402	118,3117	22,0559
228	228	1323	SLU-ENVE	Max	59,377	0	108,3335	20,3442	4,4608	108,559	20,1186
228	228	24	SLU-ENVE	Max	20,306	0	114,2787	18,8567	4,6453	114,5043	18,6311
228	228	23	SLU-ENVE	Max	8,883	0	125,8538	21,0286	-0,2983	125,8547	21,0278
228	228	1322	SLU-ENVE	Min	-52,06	0	83,4356	16,3046	-2,6761	83,5421	16,1981
228	228	1323	SLU-ENVE	Min	72,416	0	68,0428	13,8405	2,1172	68,1253	13,7579
228	228	24	SLU-ENVE	Min	-21,723	0	72,4243	13,0129	1,918	72,4862	12,951
228	228	23	SLU-ENVE	Min	-24,76	0	89,2071	15,6219	-2,8753	89,3193	15,5097
228	228	1322	SLE-ENVE	Max	59,32	0	63,7072	12,0333	-0,233	63,7083	12,0323
228	228	1323	SLE-ENVE	Max	56,028	0	55,865	10,7629	2,4751	56,0004	10,6275
228	228	24	SLE-ENVE	Max	25,131	0	59,137	10,0511	2,5877	59,2731	9,915
228	228	23	SLE-ENVE	Max	14,672	0	67,8849	11,5075	-0,1472	67,8853	11,5071
228	228	1322	SLE-ENVE	Min	57,224	0	46,819	9,1576	-1,4617	46,8756	9,1009
228	228	1323	SLE-ENVE	Min	62,911	0	37,6999	7,6991	1,1639	37,745	7,654
228	228	24	SLE-ENVE	Min	-0,034	0	40,1287	7,2507	1,0646	40,1632	7,2163
228	228	23	SLE-ENVE	Min	-15,082	0	50,0261	8,772	-1,5609	50,0851	8,713
234	234	1053	SLU-ENVE	Max	69,677	0	-30,3462	-6,0568	2,3047	-5,8401	-30,5629
234	234	978	SLU-ENVE	Max	74,854	0	-39,2746	-7,838	2,6792	-7,6113	-39,5013
234	234	977	SLU-ENVE	Max	78,819	0	-37,3299	-7,5199	2,6429	-7,2874	-37,5624
234	234	1052	SLU-ENVE	Max	72,875	0	-28,5546	-5,6732	2,2683	-5,4505	-28,7773
234	234	1053	SLU-ENVE	Min	-82,049	0	-37,6171	-7,394	-2,512	-7,1866	-37,8245
234	234	978	SLU-ENVE	Min	-80,419	0	-47,1873	-9,3942	-3,1566	-9,1324	-47,4491
234	234	977	SLU-ENVE	Min	-80,94	0	-50,7708	-10,2751	-3,2675	-10,0132	-51,0327
234	234	1052	SLU-ENVE	Min	-82,764	0	-40,5289	-8,0467	-2,6229	-7,8363	-40,7393
234	234	1053	SLE-ENVE	Max	72,964	0	-22,8273	-4,557	1,2796	-4,4678	-22,9165
234	234	978	SLE-ENVE	Max	78,34	0	-29,377	-5,8616	1,4858	-5,7681	-29,4705
234	234	977	SLE-ENVE	Max	81,689	0	-28,3142	-5,7065	1,4595	-5,6126	-28,408
234	234	1052	SLE-ENVE	Max	75,594	0	-21,8367	-4,3426	1,2533	-4,2532	-21,926
234	234	1053	SLE-ENVE	Min	-84,032	0	-25,0213	-4,9329	-1,3893	-4,8373	-25,1169
234	234	978	SLE-ENVE	Min	-81,551	0	-31,4365	-6,2604	-1,7493	-6,1395	-31,5574
234	234	977	SLE-ENVE	Min	-81,649	0	-33,4445	-6,7648	-1,8131	-6,6421	-33,5672
234	234	1052	SLE-ENVE	Min	-84,282	0	-26,6428	-5,2959	-1,4531	-5,1975	-26,7412
235	235	1052	SLU-ENVE	Max	78,467	0	-28,5521	-5,6608	2,1931	-5,4526	-28,7603
235	235	977	SLU-ENVE	Max	74,907	0	-37,3354	-7,5475	2,5983	-7,3226	-37,5604
235	235	976	SLU-ENVE	Max	68,177	0	-35,1129	-6,7708	2,6448	-6,5261	-35,3576
235	235	1051	SLU-ENVE	Max	70,724	0	-26,6613	-5,3222	2,2396	-5,0897	-26,8938
235	235	1052	SLU-ENVE	Min	-79,729	0	-40,5258	-8,0315	-2,6908	-7,8102	-40,7471
235	235	977	SLU-ENVE	Min	-86,693	0	-50,7806	-10,3244	-3,424	-10,0366	-51,0683
235	235	976	SLU-ENVE	Min	-85,149	0	-54,5461	-10,3741	-3,283	-10,1314	-54,7888
235	235	1051	SLU-ENVE	Min	-78,314	0	-43,9715	-8,8394	-2,5498	-8,6553	-44,1555
235	235	1052	SLE-ENVE	Max	81,26	0	-21,8348	-4,3334	1,2024	-4,2511	-21,9171
235	235	977	SLE-ENVE	Max	77,575	0	-28,3188	-5,7294	1,4224	-5,6402	-28,408
235	235	976	SLE-ENVE	Max	71,414	0	-27,0845	-5,212	1,4643	-5,1145	-27,1821
235	235	1051	SLE-ENVE	Max	74,333	0	-20,8186	-4,1586	1,2443	-4,0662	-20,911
235	235	1052	SLE-ENVE	Min	-80,446	0	-26,6408	-5,2859	-1,4952	-5,1817	-26,7449
235	235	977	SLE-ENVE	Min	-87,456	0	-33,4509	-6,7966	-1,9047	-6,6612	-33,5863
235	235	976	SLE-ENVE	Min	-87,369	0	-35,5428	-6,7709	-1,8135	-6,657	-35,6567

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
235	235	1051	SLE-ENVE	Min	-80,378	0	-28,567	-5,7431	-1,404	-5,6571	-28,653
236	236	1051	SLU-ENVE	Max	66,059	0	-26,6654	-5,3426	2,3304	-5,0909	-26,9171
236	236	976	SLU-ENVE	Max	80,96	0	-35,0895	-6,6534	2,8162	-6,3772	-35,3657
236	236	975	SLU-ENVE	Max	83,775	0	-33,4627	-7,8447	2,5297	-7,5973	-33,7101
236	236	1050	SLU-ENVE	Max	69,876	0	-23,7664	-4,8439	2,0439	-4,6257	-23,9847
236	236	1051	SLU-ENVE	Min	-84,149	0	-43,9814	-8,8892	-2,2187	-8,7495	-44,1211
236	236	976	SLU-ENVE	Min	-74,419	0	-54,5025	-10,1558	-2,9676	-9,9581	-54,7002
236	236	975	SLU-ENVE	Min	-84,942	0	-60,4491	-14,4812	-3,5325	-14,2113	-60,719
236	236	1050	SLU-ENVE	Min	86,097	0	-46,1996	-9,438	-2,7836	-9,2284	-46,4092
236	236	1051	SLE-ENVE	Max	68,998	0	-20,8219	-4,1755	1,3295	-4,07	-20,9275
236	236	976	SLE-ENVE	Max	84,686	0	-27,0662	-5,1206	1,5954	-5,0052	-27,1816
236	236	975	SLE-ENVE	Max	85,621	0	-26,416	-6,2125	1,3634	-6,1209	-26,5076
236	236	1050	SLE-ENVE	Max	71,255	0	-19,0795	-3,8847	1,0976	-3,8059	-19,1584
236	236	1051	SLE-ENVE	Min	-87,367	0	-28,5731	-5,774	-1,1969	-5,7114	-28,6358
236	236	976	SLE-ENVE	Min	-75,222	0	-35,5152	-6,6325	-1,6102	-6,543	-35,6046
236	236	975	SLE-ENVE	Min	-85,22	0	-38,9579	-9,3017	-1,9658	-9,1719	-39,0877
236	236	1050	SLE-ENVE	Min	84,782	0	-29,6896	-6,0645	-1,5526	-5,9629	-29,7912
237	237	23	SLU-ENVE	Max	-3,395	0	125,8528	21,0237	-0,2048	125,8532	21,0233
237	237	24	SLU-ENVE	Max	12,46	0	114,2803	18,8645	4,9265	114,534	18,6108
237	237	1178	SLU-ENVE	Max	9,374	1,555E-20	120,2922	17,2776	4,9535	120,5298	17,0399
237	237	1177	SLU-ENVE	Max	3,919	1,526E-20	133,9895	21,4585	-0,1331	133,9896	21,4583
237	237	23	SLU-ENVE	Min	-27,358	0	89,2082	15,6271	-2,9959	89,3299	15,5053
237	237	24	SLU-ENVE	Min	-24,605	0	72,425	13,0162	1,7184	72,4746	12,9666
237	237	1178	SLU-ENVE	Min	-1,995	1,148E-20	76,9996	12,011	1,7055	77,0443	11,9663
237	237	1177	SLU-ENVE	Min	-7,835	1,177E-20	95,1206	13,8913	-3,0088	95,2319	13,78
237	237	23	SLE-ENVE	Max	1,474	0	67,8844	11,5048	-0,0877	67,8845	11,5047
237	237	24	SLE-ENVE	Max	17,063	0	59,1379	10,0548	2,7542	59,292	9,9008
237	237	1178	SLE-ENVE	Max	10,973	0	62,4388	9,3402	2,7866	62,5846	9,1943
237	237	1177	SLE-ENVE	Max	5,46	0	72,3858	11,7969	-0,0364	72,3858	11,7968
237	237	23	SLE-ENVE	Min	-20,697	0	50,0267	8,775	-1,6081	50,0893	8,7124
237	237	24	SLE-ENVE	Min	-13,286	0	40,1291	7,2527	0,9641	40,1574	7,2245
237	237	1178	SLE-ENVE	Min	2,805	0	42,6676	6,7018	0,9765	42,6941	6,6754
237	237	1177	SLE-ENVE	Min	-3,491	0	53,3139	7,5119	-1,5957	53,3695	7,4564
238	238	1049	SLU-ENVE	Max	-76,976	0	-19,7573	-4,1317	1,4432	-3,9995	-19,8894
238	238	974	SLU-ENVE	Max	85,978	0	-30,9663	-8,7501	2,5986	-8,4502	-31,2662
238	238	900	SLU-ENVE	Max	14,622	0	-19,9256	1,2103	2,8856	1,5972	-20,3125
238	238	908	SLU-ENVE	Max	1,712	0	-17,4182	-2,0073	1,7301	-1,8154	-17,61
238	238	1049	SLU-ENVE	Min	-75,218	0	-47,3643	-9,3054	-4,4366	-8,7951	-47,8746
238	238	974	SLU-ENVE	Min	-86,243	0	-67,4202	-20,063	-5,3351	-19,4694	-68,0138
238	238	900	SLU-ENVE	Min	78,206	0	-58,7013	0,5564	-4,8123	0,9447	-59,0896
238	238	908	SLU-ENVE	Min	-87,256	0	-60,005	-7,0515	-3,9137	-6,7638	-60,2927
238	238	1049	SLE-ENVE	Max	-77,13	0	-16,5705	-3,4103	0,5683	-3,3858	-16,595
238	238	974	SLE-ENVE	Max	87,782	0	-25,3464	-7,2415	1,2348	-7,1577	-25,4302
238	238	900	SLE-ENVE	Max	16,271	0	-17,5722	0,7775	1,4595	0,8929	-17,6875
238	238	908	SLE-ENVE	Max	1,221	0	-16,0977	-1,8662	0,793	-1,8221	-16,1418
238	238	1049	SLE-ENVE	Min	-74,619	0	-30,0755	-5,9194	-2,6025	-5,6422	-30,3527
238	238	974	SLE-ENVE	Min	-86,35	0	-42,964	-12,729	-3,053	-12,4238	-43,2692
238	238	900	SLE-ENVE	Min	74,574	0	-36,7876	0,4542	-2,7191	0,6517	-36,9851
238	238	908	SLE-ENVE	Min	-86,485	0	-37,5746	-4,4131	-2,2686	-4,2586	-37,7291

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
252	252	1323	SLU-ENVE	Max	78,736	0	108,4353	20,3645	9,6433	109,4788	19,321
252	252	1324	SLU-ENVE	Max	88,168	0	95,3231	16,4689	13,8129	97,6727	14,1193
252	252	25	SLU-ENVE	Max	31,527	0	101,1666	15,7607	13,967	103,3927	13,5346
252	252	24	SLU-ENVE	Max	31,817	0	114,3177	18,8645	9,7974	115,3129	17,8692
252	252	1323	SLU-ENVE	Min	88,727	0	67,9998	13,8319	7,2038	68,9415	12,8902
252	252	1324	SLU-ENVE	Min	-71,065	0	37,9708	7,8668	10,6733	41,371	4,4666
252	252	25	SLU-ENVE	Min	10,525	0	40,3878	7,3279	10,7528	43,5774	4,1383
252	252	24	SLU-ENVE	Min	41,135	0	72,4306	13,0141	7,0219	73,2491	12,1956
252	252	1323	SLE-ENVE	Max	73,263	0	55,9202	10,774	5,33	56,5409	10,1533
252	252	1324	SLE-ENVE	Max	84,965	0	47,7783	8,4109	7,6149	49,1999	6,9893
252	252	25	SLE-ENVE	Max	35,838	0	50,9982	8,1607	7,7009	52,3405	6,8183
252	252	24	SLE-ENVE	Max	35,754	0	59,1575	10,0488	5,416	59,7477	9,4586
252	252	1323	SLE-ENVE	Min	80,699	0	37,6751	7,6942	3,9538	38,1878	7,1815
252	252	1324	SLE-ENVE	Min	-84,484	0	20,0433	4,2023	5,9239	22,0136	2,2321
252	252	25	SLE-ENVE	Min	28,346	0	21,3796	3,9449	5,9738	23,23	2,0944
252	252	24	SLE-ENVE	Min	44,025	0	40,1314	7,2512	3,8506	40,5763	6,8063
253	253	24	SLU-ENVE	Max	22,875	0	114,3192	18,8723	10,0987	115,376	17,8155
253	253	25	SLU-ENVE	Max	33,278	0	101,1634	15,7448	14,1001	103,4307	13,4775
253	253	1179	SLU-ENVE	Max	18,919	1,719E-20	107,8656	17,0994	14,31	110,0682	14,8967
253	253	1178	SLU-ENVE	Max	11,782	1,614E-20	120,3805	17,2952	10,3087	121,4013	16,2745
253	253	24	SLU-ENVE	Min	-4,996	0	72,4312	13,0175	6,8222	73,2045	12,2442
253	253	25	SLU-ENVE	Min	30,787	0	40,3919	7,3486	10,8233	43,6214	4,1191
253	253	1179	SLU-ENVE	Min	19,447	0	42,3216	5,933	10,9896	45,383	2,8717
253	253	1178	SLU-ENVE	Min	4,343	0	76,7819	11,9675	7,0109	77,5316	11,2178
253	253	24	SLE-ENVE	Max	27,147	0	59,1583	10,0527	5,5942	59,7876	9,4235
253	253	25	SLE-ENVE	Max	35,871	0	50,9964	8,1518	7,7711	52,3624	6,7859
253	253	1179	SLE-ENVE	Max	21,286	0	54,6678	9,0764	7,8953	55,9964	7,7478
253	253	1178	SLE-ENVE	Max	13,893	0	62,4841	9,3111	5,7184	63,0921	8,703
253	253	24	SLE-ENVE	Min	22,468	0	40,1318	7,2532	3,7511	40,5543	6,8307
253	253	25	SLE-ENVE	Min	35,442	0	21,3819	3,9565	6,02	23,2593	2,079
253	253	1179	SLE-ENVE	Min	23,203	0	22,4375	3,2164	6,1256	24,2236	1,4302
253	253	1178	SLE-ENVE	Min	11,374	0	42,5439	6,6771	3,8622	42,9551	6,2659
254	254	1324	SLU-ENVE	Max	-85,39	0	95,3397	16,4722	17,1468	98,9063	12,9056
254	254	1325	SLU-ENVE	Max	5,632	0	47,4949	6,56	20,3916	55,9192	-1,8643
254	254	26	SLU-ENVE	Max	35,644	0	50,5489	5,3294	20,5353	58,4825	-2,6043
254	254	25	SLU-ENVE	Max	72,624	0	101,2003	15,7675	17,0157	104,4646	12,5032
254	254	1324	SLU-ENVE	Min	-63,301	0	37,9997	7,8726	12,9885	42,8261	3,0461
254	254	1325	SLU-ENVE	Min	-35,625	0	5,1405	0,0957	14,5133	17,3489	-12,1128
254	254	26	SLU-ENVE	Min	50,251	0	6,115	-0,6586	14,2698	17,3944	-11,938
254	254	25	SLU-ENVE	Min	-89,752	0	40,4263	7,3356	12,7451	44,766	2,9959
254	254	1324	SLE-ENVE	Max	-88,061	0	47,7877	8,4128	9,4452	49,9362	6,2643
254	254	1325	SLE-ENVE	Max	16,307	0	20,0226	2,5565	11,1778	25,4744	-2,8952
254	254	26	SLE-ENVE	Max	41,296	0	21,7371	2,0038	11,2296	26,8188	-3,078
254	254	25	SLE-ENVE	Max	71,87	0	51,0138	8,1638	9,3016	52,9459	6,2318
254	254	1324	SLE-ENVE	Min	-68,916	0	20,0593	4,2055	7,204	22,8438	1,421
254	254	1325	SLE-ENVE	Min	-33,24	0	0,4636	-0,4007	8,0449	8,088	-8,0251
254	254	26	SLE-ENVE	Min	49,553	0	1,0136	-0,7846	7,905	8,0704	-7,8415
254	254	25	SLE-ENVE	Min	80,998	0	21,3993	3,9488	7,0641	23,9004	1,4477
260	260	978	SLU-ENVE	Max	43,251	0	-39,271	-7,8373	3,2335	-7,5081	-39,6002
260	260	1375	SLU-ENVE	Max	43,05	0	-20,8932	-5,0583	3,8835	-4,1572	-21,7944

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
260	260	1354	SLU-ENVE	Max	43,217	0	-22,076	-4,819	3,9178	-3,9712	-22,9238
260	260	977	SLU-ENVE	Max	43,376	0	-37,3203	-7,518	3,2678	-7,1639	-37,6744
260	260	978	SLU-ENVE	Min	-50,664	0	-47,2091	-9,3986	-4,1349	-8,9517	-47,656
260	260	1375	SLU-ENVE	Min	-57,297	0	-26,975	-5,4467	-5,1922	-4,2599	-28,1618
260	260	1354	SLU-ENVE	Min	-54,373	0	-26,0002	-5,2232	-5,4206	-3,894	-27,3294
260	260	977	SLU-ENVE	Min	-48,814	0	-50,7672	-10,2744	-4,3633	-9,8096	-51,2321
260	260	978	SLE-ENVE	Max	44,27	0	-29,3755	-5,8613	1,7886	-5,7261	-29,5108
260	260	1375	SLE-ENVE	Max	42,26	0	-14,9318	-3,4766	2,1471	-3,0874	-15,321
260	260	1354	SLE-ENVE	Max	43,252	0	-15,5867	-3,3397	2,1634	-2,9687	-15,9577
260	260	977	SLE-ENVE	Max	44,661	0	-28,3076	-5,7052	1,8049	-5,5619	-28,4508
260	260	978	SLE-ENVE	Min	-50,9	0	-31,4489	-6,2629	-2,2982	-6,0549	-31,6569
260	260	1375	SLE-ENVE	Min	-53,759	0	-18,9467	-3,7415	-2,8883	-3,2113	-19,4768
260	260	1354	SLE-ENVE	Min	-54,963	0	-18,4058	-3,6765	-3,014	-3,0836	-18,9986
260	260	977	SLE-ENVE	Min	-50,636	0	-33,4416	-6,7642	-2,4239	-6,5457	-33,6601
261	261	977	SLU-ENVE	Max	43,567	0	-37,3259	-7,5456	3,2711	-7,1905	-37,681
261	261	1354	SLU-ENVE	Max	46,794	0	-22,0681	-4,7795	3,9756	-3,9091	-22,9385
261	261	1333	SLU-ENVE	Max	13,832	0	-23,5334	-4,9645	3,9565	-4,1566	-24,3413
261	261	976	SLU-ENVE	Max	11,687	0	-35,1324	-6,7747	3,2521	-6,4065	-35,5006
261	261	977	SLU-ENVE	Min	-74,885	0	-50,7771	-10,3237	-4,4228	-9,8458	-51,255
261	261	1354	SLU-ENVE	Min	-29,563	0	-25,9977	-5,1925	-5,6216	-3,7707	-27,4195
261	261	1333	SLU-ENVE	Min	-36,715	0	-25,3808	-5,2155	-5,8112	-6,6607	-26,9356
261	261	976	SLU-ENVE	Min	87,276	0	-54,594	-10,3836	-4,6123	-9,9076	-55,0701
261	261	977	SLE-ENVE	Max	44,725	0	-28,3122	-5,7281	1,8066	-5,5845	-28,4558
261	261	1354	SLE-ENVE	Max	45,743	0	-15,5819	-3,3153	2,1914	-2,9356	-15,9616
261	261	1333	SLE-ENVE	Max	-15,247	0	-16,3946	-3,4339	2,1621	-3,0828	-16,7458
261	261	976	SLE-ENVE	Max	-2,411	0	-27,1014	-5,2154	1,7773	-5,072	-27,2448
261	261	977	SLE-ENVE	Min	-77,012	0	-33,448	-6,796	-2,4542	-6,5719	-33,6721
261	261	1354	SLE-ENVE	Min	-32,341	0	-18,4036	-3,6653	-3,1229	-3,0309	-19,038
261	261	1333	SLE-ENVE	Min	-40,428	0	-17,8427	-3,6072	-3,2337	-2,9071	-18,5428
261	261	976	SLE-ENVE	Min	-71,572	0	-35,5729	-6,7769	-2,5651	-6,5502	-35,7996
262	262	976	SLU-ENVE	Max	-6,532	0	-35,1089	-6,6573	3,1805	-6,3061	-35,4601
262	262	1333	SLU-ENVE	Max	34,982	0	-23,5508	-5,017	3,9517	-4,2096	-24,3581
262	262	1312	SLU-ENVE	Max	21,47	0	-23,3402	-4,0351	4,2151	-3,1549	-24,2204
262	262	975	SLU-ENVE	Max	6,291	0	-33,3777	-7,8277	3,4439	-7,3716	-33,8338
262	262	976	SLU-ENVE	Min	-53,697	0	-54,5504	-10,1654	-4,8125	-9,6496	-55,0662
262	262	1333	SLU-ENVE	Min	-19,8	0	-25,396	-5,2915	-6,0669	-3,6026	-27,0849
262	262	1312	SLU-ENVE	Min	-63,682	0	-25,1093	-4,7368	-5,8066	-3,198	-26,6481
262	262	975	SLU-ENVE	Min	-85,258	0	-60,2876	-14,4489	-4,5522	-14,0012	-60,7353
262	262	976	SLE-ENVE	Max	-29,654	0	-27,0831	-5,124	1,7105	-4,9916	-27,2156
262	262	1333	SLE-ENVE	Max	20,818	0	-16,4057	-3,4895	2,1251	-3,1488	-16,7464
262	262	1312	SLE-ENVE	Max	19,908	0	-16,6174	-3,0086	2,3001	-2,6303	-16,9957
262	262	975	SLE-ENVE	Max	2,818	0	-26,3501	-6,1993	1,8855	-6,0244	-26,525
262	262	976	SLE-ENVE	Min	-52,548	0	-35,5453	-6,6385	-2,6877	-6,3907	-35,793
262	262	1333	SLE-ENVE	Min	-24,633	0	-17,8509	-3,6484	-3,3856	-2,8827	-18,6167
262	262	1312	SLE-ENVE	Min	-61,502	0	-16,9041	-3,2305	-3,2105	-2,5142	-17,6204
262	262	975	SLE-ENVE	Min	-83,066	0	-38,8556	-9,2812	-2,5126	-9,0692	-39,0676
263	263	25	SLU-ENVE	Max	54,735	0	101,1971	15,7516	17,1087	104,4954	12,4532
263	263	26	SLU-ENVE	Max	44,192	0	50,5427	5,2983	20,7662	58,6288	-2,7878
263	263	1304	SLU-ENVE	Max	32,041	1,263E-20	55,2481	9,2197	21,0318	63,4106	1,0571
263	263	1179	SLU-ENVE	Max	36,678	1,266E-20	107,5854	17,0433	17,3742	110,8049	13,8239

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
263	263	25	SLU-ENVE	Min	64,479	0	40,4304	7,3563	12,6771	44,7304	3,0563
263	263	26	SLU-ENVE	Min	53,105	0	6,1124	-0,6717	13,983	17,1089	-11,6682
263	263	1304	SLU-ENVE	Min	43,921	0	7,7492	1,4848	14,1186	19,0788	-9,8449
263	263	1179	SLU-ENVE	Min	48,328	0	42,0641	5,8815	12,8127	46,1417	1,804
263	263	25	SLE-ENVE	Max	56,171	0	51,0121	8,155	9,3443	52,9608	6,2062
263	263	26	SLE-ENVE	Max	47,049	0	21,7335	1,9858	11,3084	26,8721	-3,1528
263	263	1304	SLE-ENVE	Max	34,744	0	24,3294	4,445	11,4339	29,5391	-0,7647
263	263	1179	SLE-ENVE	Max	39,569	0	54,5028	9,0434	9,4698	56,3966	7,1496
263	263	25	SLE-ENVE	Min	60,665	0	21,4016	3,9604	7,0321	23,8836	1,4784
263	263	26	SLE-ENVE	Min	52,643	0	1,012	-0,7924	7,7317	7,894	-7,6743
263	263	1304	SLE-ENVE	Min	44,949	0	1,9192	0,5411	7,8102	9,0706	-6,6104
263	263	1179	SLE-ENVE	Min	49,077	0	22,2854	3,186	7,1105	24,6418	0,8295
264	264	974	SLU-ENVE	Max	2,837	0	-30,7725	-8,7113	4,6733	-7,7622	-31,7216
264	264	1167	SLU-ENVE	Max	25,958	0	-21,6393	-2,1936	5,9777	-0,503	-23,3299
264	264	1111	SLU-ENVE	Max	16,372	0	-24,2647	-0,3081	6,8668	1,5205	-26,0933
264	264	900	SLU-ENVE	Max	1,247	0	-20,2369	1,1761	5,5623	2,5348	-21,5955
264	264	974	SLU-ENVE	Min	-61,047	0	-67,0683	-19,9927	-4,3589	-19,5925	-67,4685
264	264	1167	SLU-ENVE	Min	65,331	0	-24,0431	-3,7614	-4,7845	-2,6894	-25,1151
264	264	1111	SLU-ENVE	Min	80,213	0	-28,6423	-0,5035	-4,8249	0,3008	-29,4466
264	264	900	SLU-ENVE	Min	-77,883	0	-58,8725	0,4942	-4,3993	0,8184	-59,1968
264	264	974	SLE-ENVE	Max	-2,361	0	-25,1963	-7,2115	2,6466	-6,8301	-25,5777
264	264	1167	SLE-ENVE	Max	28,472	0	-15,7056	-1,7489	3,4408	-0,9468	-16,5077
264	264	1111	SLE-ENVE	Max	20,727	0	-17,8276	-0,2397	3,9941	0,6249	-18,6922
264	264	900	SLE-ENVE	Max	-2,127	0	-17,7823	0,7516	3,2	1,2885	-18,3192
264	264	974	SLE-ENVE	Min	-58,538	0	-42,7361	-12,6834	-2,2952	-12,5091	-42,9104
264	264	1167	SLE-ENVE	Min	58,695	0	-16,1287	-2,484	-2,4431	-2,0598	-16,553
264	264	1111	SLE-ENVE	Min	77,218	0	-19,4754	-0,3295	-2,3847	-0,0369	-19,768
264	264	900	SLE-ENVE	Min	-76,613	0	-36,9171	0,4122	-2,2368	0,5457	-37,0507
278	278	1325	SLU-ENVE	Max	50,819	0	47,1103	6,4831	22,2619	56,9336	-3,3402
278	278	1326	SLU-ENVE	Max	30,64	0	-38,6872	-9,7017	20,8519	1,1993	-49,5882
278	278	27	SLU-ENVE	Max	41,235	0	-45,4861	-8,6431	21,4128	1,1818	-55,311
278	278	26	SLU-ENVE	Max	51,295	0	51,6756	5,5547	22,8227	61,0599	-3,8296
278	278	1325	SLU-ENVE	Min	-63,755	0	4,8903	0,0456	15,2755	17,9343	-12,9984
278	278	1326	SLU-ENVE	Min	-21,956	0	-48,9024	-11,2839	13,9519	-6,6743	-53,5121
278	278	27	SLU-ENVE	Min	50,478	0	-56,0285	-10,5686	14,1774	-6,5096	-60,0875
278	278	26	SLU-ENVE	Min	67,704	0	7,132	-0,4552	15,501	19,2968	-12,62
278	278	1325	SLE-ENVE	Max	57,649	0	19,8001	2,512	12,2262	26,1294	-3,8173
278	278	1326	SLE-ENVE	Max	40,145	0	-28,6489	-6,8041	11,4391	-1,9103	-33,5427
278	278	27	SLE-ENVE	Max	46,747	0	-32,4455	-6,0057	11,7166	-1,5608	-36,8904
278	278	26	SLE-ENVE	Max	55,029	0	22,4081	2,138	12,5037	28,3685	-3,8224
278	278	1325	SLE-ENVE	Min	-83,461	0	0,3134	-0,4307	8,4773	8,4268	-8,5441
278	278	1326	SLE-ENVE	Min	-2,537	0	-34,0162	-7,3145	7,7242	-5,2411	-36,0896
278	278	27	SLE-ENVE	Min	53,289	0	-38,0096	-7,1125	7,8463	-5,2341	-39,8879
278	278	26	SLE-ENVE	Min	64,805	0	1,6155	-0,6643	8,5994	9,1503	-8,199
279	279	26	SLU-ENVE	Max	52,126	0	51,6693	5,5237	22,4202	60,7683	-3,5753
279	279	27	SLU-ENVE	Max	41,407	0	-45,5056	-8,7405	23,7699	2,9256	-57,1717
279	279	1305	SLU-ENVE	Max	68,007	1,393E-20	-42,8754	-12,1287	24,053	1,0441	-56,0483
279	279	1304	SLU-ENVE	Max	74,124	1,323E-20	54,0326	8,9766	22,6433	63,4456	-0,4364
279	279	26	SLU-ENVE	Min	61,066	0	7,1294	-0,4683	14,609	18,4254	-11,7643
279	279	27	SLU-ENVE	Min	40,589	0	-56,0433	-10,6427	15,9012	-5,6274	-61,0586



AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
279	279	1305	SLU-ENVE	Min	72,821	1,599E-20	-55,496	-15,9365	15,9234	-10,3234	-61,1091
279	279	1304	SLU-ENVE	Min	81,225	1,535E-20	6,766	1,2881	14,6312	18,9124	-10,8584
279	279	26	SLE-ENVE	Max	54,273	0	22,4045	2,12	12,1922	28,1215	-3,5969
279	279	27	SLE-ENVE	Max	45,035	0	-32,4579	-6,0743	13,0228	-0,7292	-37,803
279	279	1305	SLE-ENVE	Max	68,911	0	-30,6247	-7,5775	13,1048	-1,6503	-36,5518
279	279	1304	SLE-ENVE	Max	73,297	0	23,6116	4,3015	12,2451	29,5502	-1,6372
279	279	26	SLE-ENVE	Min	60,395	0	1,6139	-0,672	8,0621	8,6137	-7,6717
279	279	27	SLE-ENVE	Min	44,363	0	-38,0194	-7,1616	8,8407	-4,8083	-40,3728
279	279	1305	SLE-ENVE	Min	72,945	0	-37,3368	-10,1011	8,83	-7,4889	-39,949
279	279	1304	SLE-ENVE	Min	79,327	0	1,3348	0,4242	8,0514	8,9437	-7,1847
280	280	1326	SLU-ENVE	Max	44,061	0	-38,2241	-9,609	16,6534	-1,9611	-45,872
280	280	1025	SLU-ENVE	Max	38,543	0	-88,6932	-24,382	15,2216	-20,9612	-92,114
280	280	28	SLU-ENVE	Max	49,332	1,133E-20	-80,6153	-0,3685	17,2549	3,1845	-84,1682
280	280	27	SLU-ENVE	Max	58,288	0	-46,9693	-8,9398	18,5019	-1,4238	-54,4853
280	280	1326	SLU-ENVE	Min	49,481	0	-48,4212	-11,1762	10,3812	-8,4781	-51,1192
280	280	1025	SLU-ENVE	Min	39,677	0	-104,0738	-29,6908	9,6493	-28,4594	-
280	280	28	SLU-ENVE	Min	51,16	1,087E-20	-93,2588	-5,0336	11,27	-3,6167	105,3052
280	280	27	SLU-ENVE	Min	61,386	0	-57,2573	-10,8144	12,0018	-7,8962	-60,1754
280	280	1326	SLE-ENVE	Max	48,768	0	-28,3709	-6,7485	9,0434	-3,4648	-31,6546
280	280	1025	SLE-ENVE	Max	41,892	0	-54,7009	-14,8754	8,3128	-13,2099	-56,3664
280	280	28	SLE-ENVE	Max	50,42	0	-49,7129	-0,8758	9,4774	0,8989	-51,4876
280	280	27	SLE-ENVE	Max	59,536	0	-33,3291	-6,1631	10,1161	-2,8099	-36,6822
280	280	1326	SLE-ENVE	Min	52,737	0	-33,7258	-7,2564	5,6719	-6,0923	-34,89
280	280	1025	SLE-ENVE	Min	42,504	0	-63,6303	-17,7121	5,3009	-17,1081	-64,2343
280	280	28	SLE-ENVE	Min	51,89	0	-58,7658	-3,6163	6,2472	-2,9174	-59,4646
280	280	27	SLE-ENVE	Min	61,507	0	-38,7559	-7,2617	6,6182	-5,9275	-40,0901
286	286	1375	SLU-ENVE	Max	46,608	0	-20,8869	-5,0571	4,3162	-3,9567	-21,9873
286	286	1376	SLU-ENVE	Max	59,508	0	3,971	-1,789	4,5153	6,4466	-4,2646
286	286	1355	SLU-ENVE	Max	58,178	0	5,2612	-0,0648	4,5967	7,9105	-2,7141
286	286	1354	SLU-ENVE	Max	43,366	0	-22,0735	-4,8185	4,3975	-3,7624	-23,1296
286	286	1375	SLU-ENVE	Min	-51,973	0	-26,9732	-5,4457	-5,7129	-4,0236	-28,3954
286	286	1376	SLU-ENVE	Min	-32,937	0	-18,7259	-3,2904	-5,7912	-1,3593	-20,6571
286	286	1355	SLU-ENVE	Min	-30,846	0	-18,9922	-3,6015	-6,1784	-1,4281	-21,1656
286	286	1354	SLU-ENVE	Min	-44,48	0	-26,0091	-5,2236	-6,1002	-3,5656	-27,6671
286	286	1375	SLE-ENVE	Max	46,295	0	-14,9279	-3,4758	2,3882	-2,9978	-15,4059
286	286	1376	SLE-ENVE	Max	58,872	0	0,5111	-1,3326	2,501	2,2548	-3,0763
286	286	1355	SLE-ENVE	Max	57,911	0	1,2351	-0,3676	2,5413	3,0984	-2,2309
286	286	1354	SLE-ENVE	Max	42,548	0	-15,5862	-3,3396	2,4285	-2,8756	-16,0502
286	286	1375	SLE-ENVE	Min	-47,701	0	-18,945	-3,7411	-3,1775	-3,1038	-19,5823
286	286	1376	SLE-ENVE	Min	-31,216	0	-11,0535	-1,9772	-3,2193	-0,9512	-12,0794
286	286	1355	SLE-ENVE	Min	-30,371	0	-11,1949	-2,1648	-3,4335	-1,0075	-12,3522
286	286	1354	SLE-ENVE	Min	-40,919	0	-18,4117	-3,6777	-3,3917	-2,9344	-19,1549
287	287	1354	SLU-ENVE	Max	45,272	0	-22,0656	-4,779	4,4389	-3,7058	-23,1388
287	287	1355	SLU-ENVE	Max	54,924	0	5,262	-0,0607	4,6679	7,974	-2,7727
287	287	1334	SLU-ENVE	Max	51,638	0	6,7504	1,41	4,7343	9,5156	-1,3552
287	287	1333	SLU-ENVE	Max	41,885	0	-23,4475	-4,9574	4,5053	-3,9181	-24,4869
287	287	1354	SLU-ENVE	Min	-34,292	0	-26,0065	-5,1929	-6,3505	-3,4083	-27,7911
287	287	1355	SLU-ENVE	Min	-20,883	0	-18,9942	-3,611	-6,3916	-1,3019	-21,3032

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
287	287	1334	SLU-ENVE	Min	-4,94	0	-19,2004	-3,5432	-6,4588	-1,2228	-21,5209
287	287	1333	SLU-ENVE	Min	-22,026	0	-25,3173	-5,2028	-6,4177	-3,3296	-27,1904
287	287	1354	SLE-ENVE	Max	43,35	0	-15,5813	-3,3152	2,4423	-2,8468	-16,0497
287	287	1355	SLE-ENVE	Max	53,54	0	1,2354	-0,3662	2,5767	3,1329	-2,2637
287	287	1334	SLE-ENVE	Max	50,19	0	2,0763	0,4757	2,6088	4,0048	-1,4528
287	287	1333	SLE-ENVE	Max	40,381	0	-16,3419	-3,4234	2,4743	-2,9657	-16,7996
287	287	1354	SLE-ENVE	Min	-34,083	0	-18,4095	-3,6665	-3,5308	-2,8645	-19,2115
287	287	1355	SLE-ENVE	Min	-18,892	0	-11,1962	-2,1712	-3,5488	-0,9429	-12,4245
287	287	1334	SLE-ENVE	Min	-2,183	0	-11,2909	-2,1415	-3,5806	-0,9069	-12,5256
287	287	1333	SLE-ENVE	Min	-21,98	0	-17,8203	-3,6027	-3,5627	-2,76	-18,663
288	288	1333	SLU-ENVE	Max	41,659	0	-23,4649	-5,0124	4,6212	-3,9198	-24,5575
288	288	1334	SLU-ENVE	Max	48,295	0	6,7557	1,4366	4,8101	9,5925	-1,4003
288	288	1313	SLU-ENVE	Max	45,051	0	8,2208	1,9029	4,9291	10,9164	-0,7927
288	288	1312	SLU-ENVE	Max	25,641	0	-23,4863	-4,0643	4,7402	-2,9691	-24,5814
288	288	1333	SLU-ENVE	Min	11,193	0	-25,3325	-5,2788	-6,4197	-3,3998	-27,2115
288	288	1334	SLU-ENVE	Min	4,6	0	-19,1992	-3,537	-6,283	-1,3281	-21,4081
288	288	1313	SLU-ENVE	Min	-12,017	0	-19,6076	-2,8784	-6,1842	-0,8405	-21,6455
288	288	1312	SLU-ENVE	Min	-3,542	0	-25,2964	-4,7768	-6,3209	-2,986	-27,0872
288	288	1333	SLE-ENVE	Max	37,731	0	-16,353	-3,479	2,5354	-2,9976	-16,8343
288	288	1334	SLE-ENVE	Max	45,831	0	2,0795	0,4919	2,6521	4,0541	-1,4827
288	288	1313	SLE-ENVE	Max	44,233	0	2,886	0,8047	2,7124	4,7505	-1,0598
288	288	1312	SLE-ENVE	Max	12,842	0	-16,7475	-3,0303	2,5957	-2,5556	-17,2222
288	288	1333	SLE-ENVE	Min	9,415	0	-17,8285	-3,644	-3,5537	-2,8035	-18,669
288	288	1334	SLE-ENVE	Min	4,79	0	-11,2897	-2,1354	-3,4711	-0,9681	-12,457
288	288	1313	SLE-ENVE	Min	-15,819	0	-11,5204	-1,7635	-3,404	-0,6933	-12,5906
288	288	1312	SLE-ENVE	Min	-13,274	0	-17,0131	-3,2565	-3,4866	-2,4233	-17,8463
289	289	27	SLU-ENVE	Max	52,313	1,137E-20	-46,9888	-9,0372	24,7989	3,213	-59,239
289	289	28	SLU-ENVE	Max	-78,47	0	-80,5488	0,0342	20,7092	5,0448	-85,5594
289	289	1024	SLU-ENVE	Max	84,485	1,516E-20	-107,9023	-34,2394	21,8152	-28,2636	-
289	289	1305	SLU-ENVE	Max	57,997	1,987E-20	-41,9038	-11,9072	25,9049	3,028	-56,8389
289	289	27	SLU-ENVE	Min	51,051	1,083E-20	-57,2721	-10,8884	17,1988	-5,2071	-62,9534
289	289	28	SLU-ENVE	Min	-78,004	0	-93,1783	-4,7135	14,1254	-2,5128	-95,379
289	289	1024	SLU-ENVE	Min	87,161	1,702E-20	-129,4664	-41,9997	14,7874	-39,5673	-
289	289	1305	SLU-ENVE	Min	61,429	1,997E-20	-54,519	-15,7411	17,8608	-8,7683	-61,4917
289	289	27	SLE-ENVE	Max	53,45	0	-33,3415	-6,2317	13,7721	-0,4629	-39,1103
289	289	28	SLE-ENVE	Max	-78,095	0	-49,6727	-0,6353	11,4923	1,9244	-52,2325
289	289	1024	SLE-ENVE	Max	85,197	0	-65,6618	-20,703	12,0514	-17,6764	-68,6884
289	289	1305	SLE-ENVE	Max	59,095	1,198E-20	-29,9841	-7,4412	14,3312	-0,48	-36,9452
289	289	27	SLE-ENVE	Min	53,142	0	-38,7657	-7,3109	9,6756	-4,573	-41,5037
289	289	28	SLE-ENVE	Min	-76,638	0	-58,7254	-3,4144	7,929	-2,3001	-59,8396
289	289	1024	SLE-ENVE	Min	87,557	1,044E-20	-77,7938	-24,8733	8,2897	-23,6052	-79,0619
289	289	1305	SLE-ENVE	Min	62,738	1,214E-20	-36,6943	-9,9726	10,0363	-6,623	-40,0439
290	290	1167	SLU-ENVE	Max	54,668	0	-22,1637	-2,2985	5,7572	-0,7506	-23,7116
290	290	1168	SLU-ENVE	Max	60,578	0	9,0988	1,5584	5,1465	11,7084	-1,0511

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
290	290	1129	SLU-ENVE	Max	3,629	1,377E-20	11,2093	0,187	5,1719	13,256	-1,8597
290	290	1111	SLU-ENVE	Max	4,254	1,37E-20	-23,4453	-0,1443	5,7826	1,2119	-24,8014
290	290	1167	SLU-ENVE	Min	89,719	0	-24,6819	-3,8943	-6,0553	-2,2591	-26,3172
290	290	1168	SLU-ENVE	Min	-50,29	0	-20,4007	-1,4312	-6,7021	0,6978	-22,5297
290	290	1129	SLU-ENVE	Min	-77,029	1,24E-20	-20,6448	0,0597	-8,06	2,8274	-23,4125
290	290	1111	SLU-ENVE	Min	-88,996	1,132E-20	-28,2168	-0,4184	-7,4132	1,435	-30,0702
290	290	1167	SLE-ENVE	Max	57,501	0	-16,0964	-1,8271	3,1863	-1,1479	-16,7756
290	290	1168	SLE-ENVE	Max	66,219	0	3,3055	0,7405	2,7157	5,0263	-0,9803
290	290	1129	SLE-ENVE	Max	2,076	0	4,5077	0,1163	2,6017	5,7164	-1,0924
290	290	1111	SLE-ENVE	Max	4,537	0	-17,2609	-0,1263	3,0724	0,4079	-17,7951
290	290	1167	SLE-ENVE	Min	81,178	0	-16,5743	-2,5732	-3,2383	-1,8604	-17,287
290	290	1168	SLE-ENVE	Min	-52,345	0	-12,0366	-0,8701	-3,6999	0,2446	-13,1512
290	290	1129	SLE-ENVE	Min	-75,379	0	-12,0848	0,0528	-4,5032	1,5411	-13,573
290	290	1111	SLE-ENVE	Min	-89,655	0	-19,1433	-0,263	-4,0416	0,5658	-19,9721
304	304	1025	SLU-ENVE	Max	-15,694	0	-88,8115	-24,4057	17,1412	-20,1278	-93,0893
304	304	1075	SLU-ENVE	Max	-64,115	0	-64,6936	-13,3824	14,5439	-9,5467	-68,5293
304	304	7	SLU-ENVE	Max	-45,516	0	-76,8634	-13,8344	13,1782	-11,19	-79,5078
304	304	28	SLU-ENVE	Max	-28,885	0	-80,3742	-0,304	15,7754	2,6919	-83,3702
304	304	1025	SLU-ENVE	Min	-39,115	0	-104,2349	-29,723	11,7537	-27,9129	-106,045
304	304	1075	SLU-ENVE	Min	-66,653	0	-77,4539	-15,8553	10,0735	-14,2498	-79,0595
304	304	7	SLU-ENVE	Min	-51,587	0	-93,3748	-16,6218	8,8172	-15,6219	-94,3746
304	304	28	SLU-ENVE	Min	-37,071	0	-92,9367	-4,9834	10,4974	-3,7479	-94,1722
304	304	1025	SLE-ENVE	Max	-12,158	0	-54,7703	-14,8893	9,553	-12,7191	-56,9405
304	304	1075	SLE-ENVE	Max	-68,224	0	-39,951	-8,2486	8,1511	-6,2757	-41,9239
304	304	7	SLE-ENVE	Max	-49,11	0	-46,9673	-8,4967	7,3243	-7,1494	-48,3145
304	304	28	SLE-ENVE	Max	-31,661	0	-49,5704	-0,839	8,7262	0,6765	-51,0859
304	304	1025	SLE-ENVE	Min	-39,725	0	-63,7095	-17,7304	6,6198	-16,7962	-64,6436
304	304	1075	SLE-ENVE	Min	-68,607	0	-48,9084	-10,0158	5,7038	-9,1966	-49,7276
304	304	7	SLE-ENVE	Min	-53,716	0	-57,944	-10,4331	4,9552	-9,9218	-58,4553
304	304	28	SLE-ENVE	Min	-38,64	0	-58,6162	-3,5864	5,8712	-2,9669	-59,2357
305	305	28	SLU-ENVE	Max	-57,879	1,069E-20	-80,3077	0,0987	12,5509	2,0122	-82,2213
305	305	7	SLU-ENVE	Max	-41,384	0	-76,8765	-13,8997	8,2341	-12,8409	-77,9352
305	305	1074	SLU-ENVE	Max	56,222	0	-69,7652	-13,5852	8,5635	-12,3088	-71,0415
305	305	1024	SLU-ENVE	Max	68,167	1,125E-20	-108,2404	-34,307	12,8267	-32,145	-
305	305	28	SLU-ENVE	Min	-56,011	1,334E-20	-92,8561	-4,6633	7,515	-4,0276	-93,4919
305	305	7	SLU-ENVE	Min	-46,052	1,344E-20	-93,3902	-16,699	4,5103	-16,4346	-93,6545
305	305	1074	SLU-ENVE	Min	65,776	0	-87,9423	-16,8584	4,5963	-16,5624	-88,2383
305	305	1024	SLU-ENVE	Min	75,196	1,102E-20	-129,9208	-42,0905	7,601	-41,4376	-
305	305	28	SLE-ENVE	Max	-59,147	0	-49,5303	-0,5985	6,7714	0,3213	-50,4501
305	305	7	SLE-ENVE	Max	-43,58	0	-46,975	-8,5353	4,4028	-8,0375	-47,4728
305	305	1074	SLE-ENVE	Max	57,649	0	-42,5047	-8,3044	4,5914	-7,6987	-43,1104
305	305	1024	SLE-ENVE	Max	69,29	0	-65,8568	-20,742	6,9388	-19,6989	-66,8999
305	305	28	SLE-ENVE	Min	-56,897	0	-58,5759	-3,3844	4,0868	-3,0835	-58,8768
305	305	7	SLE-ENVE	Min	-47,385	0	-57,9533	-10,4793	2,4065	-10,3577	-58,0749
305	305	1074	SLE-ENVE	Min	65,19	0	-54,1878	-10,4573	2,4619	-10,3191	-54,3259

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
305	305	1024	SLE-ENVE	Min	75,006	0	-78,0692	-24,9248	4,1423	-24,6038	-78,3901
306	306	1000	SLU-ENVE	Max	-34,121	0	-94,3036	-24,7574	-3,6227	-24,5691	-94,4918
306	306	2064	SLU-ENVE	Max	-45,927	0	-50,1924	-12,7107	-6,1176	-11,7374	-51,1656
306	306	29	SLU-ENVE	Max	-47,513	0	-58,5022	-8,0073	-8,9897	-6,4546	-60,0549
306	306	18	SLU-ENVE	Max	-45,123	0	-90,4753	-2,6964	-6,4948	-2,2185	-90,9532
306	306	1000	SLU-ENVE	Min	-56,474	0	-161,5295	-44,4658	-	-42,3237	-
									15,9798		163,6717
306	306	2064	SLU-ENVE	Min	-55,039	0	-101,985	-24,0989	-	-20,4777	-
									17,1801		105,6063
306	306	29	SLU-ENVE	Min	-49,406	0	-117,8232	-16,6685	-	-13,1444	-
									19,2068		121,3473
306	306	18	SLU-ENVE	Min	-48,539	0	-152,2271	-6,6288	-	-4,4349	-154,421
									18,0065		
306	306	1000	SLE-ENVE	Max	-27,026	0	-50,6667	-13,4348	-2,0495	-13,3223	-50,7792
306	306	2064	SLE-ENVE	Max	-42,847	0	-26,6221	-6,775	-3,4362	-6,1969	-27,2002
306	306	29	SLE-ENVE	Max	-44,687	0	-31,212	-4,1408	-5,0216	-3,2394	-32,1134
306	306	18	SLE-ENVE	Max	-42,984	0	-48,4412	-1,1566	-3,6349	-0,8788	-48,719
306	306	1000	SLE-ENVE	Min	-54,796	0	-88,5038	-24,3928	-8,7632	-23,2166	-89,6801
306	306	2064	SLE-ENVE	Min	-53,565	0	-55,6275	-13,1715	-9,4213	-11,1747	-57,6242
306	306	29	SLE-ENVE	Min	-49,338	0	-64,3826	-9,0918	-10,516	-7,1593	-66,3152
306	306	18	SLE-ENVE	Min	-48,611	0	-83,4375	-3,4024	-9,8579	-2,206	-84,6338
312	312	1376	SLU-ENVE	Max	62,464	0	3,9661	-1,7899	4,4114	6,3554	-4,1792
312	312	1377	SLU-ENVE	Max	77,734	0	18,6011	-0,867	4,0703	19,4178	-1,6837
312	312	1356	SLU-ENVE	Max	69,905	0	22,3955	3,0972	4,1763	23,2605	2,2322
312	312	1355	SLU-ENVE	Max	56,553	0	5,2769	-0,0616	4,5174	7,8548	-2,6395
312	312	1376	SLU-ENVE	Min	-35,665	0	-18,73	-3,2912	-5,3133	-1,6394	-20,3819
312	312	1377	SLU-ENVE	Min	-6,91	0	-16,9864	-2,5377	-4,4043	-1,301	-18,2231
312	312	1356	SLU-ENVE	Min	-2,579	0	-18,4313	-3,3346	-4,834	-1,9194	-19,8465
312	312	1355	SLU-ENVE	Min	-41,23	0	-18,9953	-3,6021	-5,743	-1,6956	-20,9018
312	312	1376	SLE-ENVE	Max	61,644	0	0,5083	-1,3332	2,4458	2,201	-3,0258
312	312	1377	SLE-ENVE	Max	76,959	0	9,4918	-0,6469	2,2603	9,9729	-1,128
312	312	1356	SLE-ENVE	Max	68,568	0	11,6039	1,5678	2,3178	12,1133	1,0584
312	312	1355	SLE-ENVE	Max	55,505	0	1,2438	-0,3658	2,5033	3,0685	-2,1905
312	312	1376	SLE-ENVE	Min	-32,568	0	-11,0558	-1,9776	-2,952	-1,1021	-11,9313
312	312	1377	SLE-ENVE	Min	-3,712	0	-8,0947	-1,1643	-2,4453	-0,3884	-8,8706
312	312	1356	SLE-ENVE	Min	5,769	0	-8,8929	-1,6221	-2,6818	-0,7399	-9,775
312	312	1355	SLE-ENVE	Min	-35,662	0	-11,1963	-2,165	-3,1885	-1,1528	-12,2085
313	313	1355	SLU-ENVE	Max	54,299	0	5,2778	-0,0576	4,5909	7,9198	-2,6996
313	313	1356	SLU-ENVE	Max	72,259	0	22,4058	3,1487	4,226	23,2924	2,2621
313	313	1335	SLU-ENVE	Max	70,253	0	26,5184	6,3505	4,2507	27,3777	5,4912
313	313	1334	SLU-ENVE	Max	53,873	0	6,7548	1,4109	4,6156	9,4161	-1,2504
313	313	1355	SLU-ENVE	Min	-18,204	0	-18,9972	-3,6116	-5,9305	-1,591	-21,0178
313	313	1356	SLU-ENVE	Min	-3,234	0	-18,432	-3,3382	-4,8636	-1,9068	-19,8634
313	313	1335	SLU-ENVE	Min	0,794	0	-19,8652	-3,7061	-4,7182	-2,4293	-21,1419
313	313	1334	SLU-ENVE	Min	-4,871	0	-19,2168	-3,5465	-5,7851	-1,6422	-21,1211
313	313	1355	SLE-ENVE	Max	52,632	0	1,2441	-0,3644	2,5416	3,1056	-2,226
313	313	1356	SLE-ENVE	Max	71,174	0	11,6096	1,5963	2,3451	12,1316	1,0743
313	313	1335	SLE-ENVE	Max	69,535	0	13,8942	3,4016	2,3565	14,3991	2,8966
313	313	1334	SLE-ENVE	Max	52,453	0	2,0762	0,4757	2,553	3,9514	-1,3995
313	313	1355	SLE-ENVE	Min	-5,066	0	-11,1976	-2,1715	-3,2886	-1,1004	-12,2686
313	313	1356	SLE-ENVE	Min	2,184	0	-8,8933	-1,624	-2,6955	-0,7335	-9,7837
313	313	1335	SLE-ENVE	Min	4,348	0	-9,6838	-1,8466	-2,6103	-1,0567	-10,4737
313	313	1334	SLE-ENVE	Min	-0,21	0	-11,3034	-2,144	-3,2033	-1,1349	-12,3125

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
314	314	1334	SLU-ENVE	Max	50,765	0	6,7602	1,4375	4,6589	9,4643	-1,2667
314	314	1335	SLU-ENVE	Max	71,373	0	26,5093	6,3047	4,1921	27,3445	5,4694
314	314	1314	SLU-ENVE	Max	59,843	0	31,2737	6,8644	4,1767	31,9686	6,1695
314	314	1313	SLU-ENVE	Max	38,62	0	8,2467	1,9081	4,6436	10,6995	-0,5446
314	314	1334	SLU-ENVE	Min	8,459	0	-19,2155	-3,5403	-5,6396	-1,7222	-21,0337
314	314	1335	SLU-ENVE	Min	14,199	0	-19,8666	-3,7133	-4,2543	-2,6614	-20,9186
314	314	1314	SLU-ENVE	Min	28,711	0	-21,3256	-3,2603	-4,0141	-2,4085	-22,1774
314	314	1313	SLU-ENVE	Min	26,432	0	-19,5692	-2,8707	-5,3994	-1,2769	-21,163
314	314	1334	SLE-ENVE	Max	48,379	0	2,0795	0,4919	2,5732	3,9785	-1,4071
314	314	1335	SLE-ENVE	Max	70,584	0	13,8889	3,3752	2,3177	14,3771	2,8869
314	314	1314	SLE-ENVE	Max	58,681	0	16,526	3,7346	2,2988	16,9266	3,3341
314	314	1313	SLE-ENVE	Max	37,198	0	2,9054	0,8086	2,5542	4,618	-0,904
314	314	1334	SLE-ENVE	Min	8,081	0	-11,3021	-2,1379	-3,1143	-1,1797	-12,2603
314	314	1335	SLE-ENVE	Min	16,493	0	-9,6849	-1,8517	-2,3517	-1,1999	-10,3367
314	314	1314	SLE-ENVE	Min	31,304	0	-10,4892	-1,62	-2,2147	-1,0977	-11,0115
314	314	1313	SLE-ENVE	Min	25,679	0	-11,4901	-1,7574	-2,9773	-0,9189	-12,3286
315	315	18	SLU-ENVE	Max	-75,538	0	-90,4325	-2,439	-	-0,5631	-92,3084
									12,9842		
315	315	29	SLU-ENVE	Max	-51,253	0	-58,5142	-8,0675	-	-2,337	-64,2447
									17,9422		
315	315	2065	SLU-ENVE	Max	-76,297	0	-56,4109	-17,0796	-	-9,3236	-64,167
									19,1105		
315	315	999	SLU-ENVE	Max	-87,017	0	-114,807	-35,7538	-	-33,2965	-
									14,1525		117,2643
315	315	18	SLU-ENVE	Min	-78,093	0	-152,1496	-6,2724	-	-2,9415	-
									22,2937		155,4806
315	315	29	SLU-ENVE	Min	-54,588	0	-117,8427	-16,7661	-	-10,9077	-
									25,0294		123,7012
315	315	2065	SLU-ENVE	Min	-78,728	1,37E-20	-116,9367	-32,2884	-	-24,9144	-
									26,0495		124,3107
315	315	999	SLU-ENVE	Min	-83,59	1,388E-20	-199,7975	-63,9183	-	-60,0295	-
									23,3138		203,6864
315	315	18	SLE-ENVE	Max	-74,373	0	-48,4186	-1,0192	-7,2101	0,0533	-49,4911
315	315	29	SLE-ENVE	Max	-47,625	0	-31,2183	-4,1726	-9,9552	-0,9035	-34,4875
315	315	2065	SLE-ENVE	Max	-76,754	0	-30,1066	-9,1481	-	-4,7166	-34,5381
									10,6074		
315	315	999	SLE-ENVE	Max	-86,335	0	-61,877	-19,3891	-7,8623	-17,9808	-63,2853
315	315	18	SLE-ENVE	Min	-77,649	0	-83,3951	-3,2083	-	-1,3942	-85,2092
									12,1967		
315	315	29	SLE-ENVE	Min	-54,715	0	-64,3933	-9,1451	-13,709	-5,9305	-67,6079
315	315	2065	SLE-ENVE	Min	-77,775	0	-63,9479	-17,7053	-	-13,6616	-67,9916
									14,2598		
315	315	999	SLE-ENVE	Min	-82,75	0	-109,673	-35,111	-	-32,9919	-
									12,7475		111,7922
316	316	1168	SLU-ENVE	Max	44,276	0	9,6834	1,6753	4,6736	11,8336	-0,4749
316	316	1169	SLU-ENVE	Max	-55,954	0	34,661	5,2515	4,1271	35,2292	4,6833
316	316	1107	SLU-ENVE	Max	-0,415	1,768E-20	38,2448	0,0379	4,2505	38,712	-0,4292
316	316	1129	SLU-ENVE	Max	5,01	1,793E-20	10,3521	0,0304	4,797	12,2373	-1,8547
316	316	1168	SLU-ENVE	Min	-42,714	0	-20,2045	-1,3919	-6,0298	0,3749	-21,9713
316	316	1169	SLU-ENVE	Min	-42,412	0	-22,7573	-1,8549	-4,7403	-0,8301	-23,7821
316	316	1107	SLU-ENVE	Min	-86,709	1,862E-20	-23,8975	0,0131	-6,0614	1,4619	-25,3463

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
316	316	1129	SLU-ENVE	Min	-81,812	1,901E-20	-20,7911	0,0156	-7,351	2,3506	-23,1261
316	316	1168	SLE-ENVE	Max	46,009	0	3,6694	0,8133	2,4297	5,0597	-0,577
316	316	1169	SLE-ENVE	Max	-54,347	0	18,3854	2,8987	2,1321	18,6736	2,6105
316	316	1107	SLE-ENVE	Max	-1,366	0	20,3697	0,0228	2,0835	20,5809	-0,1883
316	316	1129	SLE-ENVE	Max	4,338	0	3,9844	0,0217	2,381	5,1007	-1,0945
316	316	1168	SLE-ENVE	Min	-43,438	0	-11,8672	-0,8362	-3,3598	0,1065	-12,81
316	316	1169	SLE-ENVE	Min	-44,866	0	-11,2761	-0,886	-2,6643	-0,2426	-11,9195
316	316	1107	SLE-ENVE	Min	-85,851	0	-11,8503	0,0107	-3,4453	0,9388	-12,7785
316	316	1129	SLE-ENVE	Min	-81,263	0	-12,2406	0,0116	-4,1408	1,2798	-13,5088
330	330	2064	SLU-ENVE	Max	-39,512	0	-50,3565	-12,7435	-	-9,7429	-53,3572
330	330	1319	SLU-ENVE	Max	-24,17	0	-11,2341	-4,3081	11,0393	-	-
330	330	21	SLU-ENVE	Max	-55,562	0	-12,1565	-4,6425	14,2897	8,274	-25,073
330	330	29	SLU-ENVE	Max	-56,497	0	-58,0351	-7,9139	16,2447	-	-
330	330	2064	SLU-ENVE	Min	-49,753	0	-102,2661	-24,1552	12,9944	-4,7453	-61,2037
330	330	1319	SLU-ENVE	Min	-51,636	0	-56,8152	-13,4225	-	-19,4363	-
330	330	21	SLU-ENVE	Min	-57,213	0	-61,4187	-14,0695	19,7702	-4,9278	106,9849
330	330	29	SLU-ENVE	Min	-53,824	0	-117,0632	-16,5165	-	-4,7461	-65,4915
330	330	2064	SLE-ENVE	Max	-34,617	0	-26,7131	-6,7932	21,2548	-	-
330	330	1319	SLE-ENVE	Max	-16,228	0	-5,6245	-2,1966	-	-5,0446	-28,4617
330	330	21	SLE-ENVE	Max	-52,979	0	-6,1482	-2,3615	-7,9531	4,2251	-12,0462
330	330	29	SLE-ENVE	Max	-55,101	0	-30,955	-4,0894	-9,0354	4,9768	-13,4865
330	330	2064	SLE-ENVE	Min	-47,209	0	-55,782	-13,2024	-7,2378	-2,2636	-32,7808
330	330	1319	SLE-ENVE	Min	-46,054	0	-30,6545	-7,2802	10,8506	-10,5968	-58,3876
330	330	21	SLE-ENVE	Min	-55,556	0	-33,2096	-7,6507	-	-2,448	-35,4867
330	330	29	SLE-ENVE	Min	-52,873	0	-63,9648	-9,0082	11,6747	-2,5765	-38,2838
331	331	29	SLU-ENVE	Max	-62,729	0	-58,0471	-7,9741	12,4675	-6,6432	-66,3298
331	331	21	SLU-ENVE	Max	-57,793	0	-12,1715	-4,7175	-	-1,9507	-64,0704
331	331	1174	SLU-ENVE	Max	-67,975	0	-10,6345	-3,9893	18,3817	10,0218	-26,9108
331	331	2065	SLU-ENVE	Max	-74,176	0	-56,7154	-17,1405	18,0863	-	-
331	331	29	SLU-ENVE	Min	-63,839	0	-117,0827	-16,6141	18,5116	11,4955	-26,1193
331	331	21	SLU-ENVE	Min	-59,072	0	-61,4413	-14,1823	-	-	-
331	331	1174	SLU-ENVE	Min	-71,996	1,341E-20	-62,3514	-14,2063	24,8646	-4,0227	-71,6009
331	331	2065	SLU-ENVE	Min	-75,24	1,268E-20	-117,442	-32,3895	-	-3,7861	-72,7716
331	331	29	SLE-ENVE	Max	-61,136	0	-30,9614	-4,1213	24,7035	-25,3735	-
331	331	21	SLE-ENVE	Max	-55,985	0	-6,1564	-2,4021	25,4155	-0,6782	-34,4044
331	331	21	SLE-ENVE	Max	-55,985	0	-6,1564	-2,4021	10,2111	5,952	-14,5104
									10,0575		

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
331	331	1174	SLE-ENVE	Max	-67,631	0	-5,3197	-2,01	-	6,7687	-14,0983
									10,3014		
331	331	2065	SLE-ENVE	Max	-74,894	0	-30,2697	-9,1808	-10,455	-4,8763	-34,5742
331	331	29	SLE-ENVE	Min	-61,389	0	-63,9754	-9,0615	-13,628	-5,8655	-67,1715
331	331	21	SLE-ENVE	Min	-57,847	0	-33,222	-7,7128	-	-2,0808	-38,854
									13,2433		
331	331	1174	SLE-ENVE	Min	-70,888	0	-33,7363	-7,7393	-13,538	-1,9698	-39,5058
331	331	2065	SLE-ENVE	Min	-74,193	0	-64,2237	-17,7604	-	-13,9079	-68,0762
									13,9227		
332	332	1317	SLU-ENVE	Max	39,357	0	0,5588	-2,0718	9,6758	9,0082	-10,5213
332	332	2116	SLU-ENVE	Max	47,974	0	-23,348	-6,43	9,6732	-2,0388	-27,7391
332	332	30	SLU-ENVE	Max	51,578	0	-24,2998	-7,3669	9,8126	-2,8731	-28,7936
332	332	17	SLU-ENVE	Max	52,486	0	1,2713	-2,2307	9,8151	9,4904	-10,4498
332	332	1317	SLU-ENVE	Min	-84,636	0	-52,4387	-10,8405	-4,759	-10,303	-52,9762
332	332	2116	SLU-ENVE	Min	18,862	0	-58,7631	-12,1288	-5,5118	-11,4862	-59,4057
332	332	30	SLU-ENVE	Min	39,302	0	-61,8602	-12,1399	-5,672	-11,501	-62,4991
332	332	17	SLU-ENVE	Min	61,438	0	-55,2758	-10,3851	-4,9192	-9,8524	-55,8085
332	332	1317	SLE-ENVE	Max	33,319	0	0,403	-1,1037	5,3504	5,0528	-5,7535
332	332	2116	SLE-ENVE	Max	34,586	0	-12,723	-3,4988	5,3487	-1,0483	-15,1735
332	332	30	SLE-ENVE	Max	49,851	0	-13,2546	-4,021	5,4232	-1,5156	-15,76
332	332	17	SLE-ENVE	Max	50,929	0	0,7982	-1,195	5,4249	5,3173	-5,7141
332	332	1317	SLE-ENVE	Min	-74,573	0	-26,0357	-5,5172	-2,5828	-5,197	-26,3558
332	332	2116	SLE-ENVE	Min	6,788	0	-29,6416	-6,2338	-2,9952	-5,8566	-30,0188
332	332	30	SLE-ENVE	Min	32,196	0	-31,3543	-6,2948	-3,0686	-5,9245	-31,7246
332	332	17	SLE-ENVE	Min	61,329	0	-27,5971	-5,3276	-2,6562	-5,0152	-27,9095
338	338	1377	SLU-ENVE	Max	83,265	0	18,6407	-0,8591	3,5075	19,2524	-1,4708
338	338	1378	SLU-ENVE	Max	87,409	0	24,205	-2,0286	2,7208	24,4842	-2,3078
338	338	1357	SLU-ENVE	Max	86,215	0	33,2629	5,5245	2,8269	33,5481	5,2394
338	338	1356	SLU-ENVE	Max	82,769	0	22,3936	3,0968	3,6137	23,0482	2,4423
338	338	1377	SLU-ENVE	Min	4,634	0	-16,9883	-2,5381	-3,0215	-1,9317	-17,5946
338	338	1378	SLU-ENVE	Min	-14,016	0	-19,4233	-3,2711	-0,8321	-3,2284	-19,466
338	338	1357	SLU-ENVE	Min	-29,991	0	-22,1932	-3,9948	-1,2547	-3,9087	-22,2793
338	338	1356	SLU-ENVE	Min	22,484	0	-18,4315	-3,3346	-3,4441	-2,586	-19,1801
338	338	1377	SLE-ENVE	Max	81,852	0	9,5137	-0,6425	1,9499	9,8752	-1,004
338	338	1378	SLE-ENVE	Max	86,195	0	12,9648	-0,9679	1,515	13,1276	-1,1308
338	338	1357	SLE-ENVE	Max	85,264	0	17,9974	2,991	1,5745	18,1608	2,8276
338	338	1356	SLE-ENVE	Max	81,5	0	11,6027	1,5675	2,0094	11,9901	1,1801
338	338	1377	SLE-ENVE	Min	10,135	0	-8,0959	-1,1645	-1,6759	-0,7806	-8,4798
338	338	1378	SLE-ENVE	Min	-13,307	0	-8,2788	-1,5438	-0,4597	-1,5126	-8,31
338	338	1357	SLE-ENVE	Min	-34,986	0	-9,8176	-1,7545	-0,6932	-1,6954	-9,8768
338	338	1356	SLE-ENVE	Min	31,485	0	-8,8932	-1,6222	-1,9094	-1,1513	-9,3641
339	339	1356	SLU-ENVE	Max	80,648	0	22,4039	3,1483	3,6628	23,0771	2,4751
339	339	1357	SLU-ENVE	Max	84,193	0	33,2544	5,4818	2,8542	33,5447	5,1915
339	339	1336	SLU-ENVE	Max	81,648	0	42,4571	11,8158	2,8225	42,7149	11,558
339	339	1335	SLU-ENVE	Max	77,292	0	26,4904	6,3449	3,6311	27,1249	5,7104
339	339	1356	SLU-ENVE	Min	4,32	0	-18,4323	-3,3383	-3,4628	-2,5818	-19,1888
339	339	1357	SLU-ENVE	Min	-17,049	0	-22,1937	-3,9971	-1,0914	-3,9319	-22,2589
339	339	1336	SLU-ENVE	Min	2,798	0	-24,9132	-4,9612	-0,5828	-4,9442	-24,9302
339	339	1335	SLU-ENVE	Min	17,068	0	-19,8602	-3,7051	-2,9543	-3,1818	-20,3835
339	339	1356	SLE-ENVE	Max	79,694	0	11,6084	1,596	2,0362	12,0066	1,1978
339	339	1357	SLE-ENVE	Max	83,616	0	17,9926	2,9672	1,5906	18,1591	2,8006
339	339	1336	SLE-ENVE	Max	80,654	0	23,1017	6,5069	1,5715	23,2492	6,3593
339	339	1335	SLE-ENVE	Max	75,932	0	13,8789	3,3985	2,0171	14,2537	3,0237

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
339	339	1356	SLE-ENVE	Min	10,767	0	-8,8936	-1,6241	-1,9173	-1,1494	-9,3683
339	339	1357	SLE-ENVE	Min	-18,363	0	-9,8179	-1,7557	-0,6025	-1,7109	-9,8626
339	339	1336	SLE-ENVE	Min	10,223	0	-11,3267	-2,32	-0,3195	-2,3087	-11,338
339	339	1335	SLE-ENVE	Min	23,402	0	-9,6807	-1,8459	-1,6344	-1,5187	-10,0079
340	340	1335	SLU-ENVE	Max	77,997	0	26,4812	6,299	3,5703	27,0942	5,6861
340	340	1336	SLU-ENVE	Max	82,823	0	42,4543	11,8018	2,6968	42,6897	11,5663
340	340	1315	SLU-ENVE	Max	74,357	0	49,2471	9,3442	2,574	49,4124	9,1788
340	340	1314	SLU-ENVE	Max	65,597	0	31,2729	6,8642	3,4475	31,7505	6,3866
340	340	1335	SLU-ENVE	Min	24,688	0	-19,8616	-3,7123	-2,2516	-3,4043	-20,1697
340	340	1336	SLU-ENVE	Min	25,277	0	-24,9136	-4,9632	0,2406	-4,9603	-24,9165
340	340	1315	SLU-ENVE	Min	54,735	0	-27,5333	-4,8507	0,4892	-4,8401	-27,5438
340	340	1314	SLU-ENVE	Min	45,973	0	-21,3217	-3,2595	-2,003	-3,04	-21,5412
340	340	1335	SLE-ENVE	Max	76,724	0	13,8736	3,3721	1,9775	14,2336	3,0121
340	340	1336	SLE-ENVE	Max	82,259	0	23,1002	6,4993	1,499	23,2345	6,365
340	340	1315	SLE-ENVE	Max	74,693	0	26,8653	5,161	1,4196	26,9577	5,0685
340	340	1314	SLE-ENVE	Max	64,605	0	16,5265	3,7347	1,8981	16,8023	3,459
340	340	1335	SLE-ENVE	Min	27,598	0	-9,6817	-1,851	-1,2428	-1,6585	-9,8742
340	340	1336	SLE-ENVE	Min	33,67	0	-11,3268	-2,3203	0,1349	-2,3183	-11,3288
340	340	1315	SLE-ENVE	Min	58,545	0	-12,7727	-2,3175	0,2683	-2,3106	-12,7796
340	340	1314	SLE-ENVE	Min	46,596	0	-10,4856	-1,6192	-1,1094	-1,4825	-10,6223
341	341	17	SLU-ENVE	Max	47,852	0	1,2656	-2,2595	9,8739	9,5331	-10,5269
341	341	30	SLU-ENVE	Max	51,827	0	-24,3045	-7,3903	9,7638	-2,9302	-28,7646
341	341	2118	SLU-ENVE	Max	51,068	0	-25,1338	-4,3722	9,7083	-0,5399	-28,9661
341	341	1172	SLU-ENVE	Max	48,314	0	2,5298	1,3034	9,8185	11,7542	-7,921
341	341	17	SLU-ENVE	Min	-65,369	0	-55,2779	-10,3959	-5,1449	-9,8136	-55,8602
341	341	30	SLU-ENVE	Min	-76,904	0	-61,8647	-12,1624	-5,9863	-11,4515	-62,5756
341	341	2118	SLU-ENVE	Min	87,812	0	-65,0815	-10,1048	-6,2141	-9,4111	-65,7751
341	341	1172	SLU-ENVE	Min	85,817	0	-57,9984	-8,4813	-5,3727	-7,9051	-58,5746
341	341	17	SLE-ENVE	Max	46,843	0	0,795	-1,2109	5,4539	5,3374	-5,7533
341	341	30	SLE-ENVE	Max	50,614	0	-13,2571	-4,0338	5,3944	-1,5485	-15,7424
341	341	2118	SLE-ENVE	Max	50,172	0	-13,7142	-2,3746	5,3595	-0,2424	-15,8463
341	341	1172	SLE-ENVE	Max	47,597	0	1,5011	0,7565	5,419	6,5606	-4,3029
341	341	17	SLE-ENVE	Min	-55,875	0	-27,5982	-5,3332	-2,7658	-4,9948	-27,9366
341	341	30	SLE-ENVE	Min	-77,127	0	-31,3566	-6,3066	-3,2216	-5,899	-31,7643
341	341	2118	SLE-ENVE	Min	86,578	0	-33,1172	-5,2633	-3,328	-4,8712	-33,5093
341	341	1172	SLE-ENVE	Min	84,133	0	-29,0836	-4,3717	-2,8722	-4,0423	-29,413
342	342	1169	SLU-ENVE	Max	6,663	0	34,862	5,2917	3,3416	35,2349	4,9188
342	342	1170	SLU-ENVE	Max	7,826	0	56,2658	9,9551	2,4959	56,3999	9,8209
342	342	1125	SLU-ENVE	Max	1,238	1,889E-20	63,4327	0,1868	2,8712	63,5628	0,0567
342	342	1107	SLU-ENVE	Max	1,335	1,886E-20	37,8145	0,0283	3,717	38,1767	-0,3339
342	342	1169	SLU-ENVE	Min	-41,504	0	-22,787	-1,8608	-2,995	-1,4406	-23,2072
342	342	1170	SLU-ENVE	Min	24,137	0	-29,9454	-3,0997	-0,2573	-3,0972	-29,9478
342	342	1125	SLU-ENVE	Min	-89,187	2,362E-20	-31,9713	0,0072	-1,1961	0,0519	-32,016
342	342	1107	SLU-ENVE	Min	-86,493	2,357E-20	-23,8216	-0,0481	-3,9338	0,5859	-24,4556
342	342	1169	SLE-ENVE	Max	2,173	0	18,4984	2,9213	1,7082	18,6835	2,7362
342	342	1170	SLE-ENVE	Max	4,903	0	30,756	5,5249	1,284	30,8212	5,4598
342	342	1125	SLE-ENVE	Max	0,888	0	34,7352	0,1046	1,4143	34,7929	0,047
342	342	1107	SLE-ENVE	Max	0,658	0	20,1253	0,0167	1,8384	20,292	-0,15
342	342	1169	SLE-ENVE	Min	-39,447	0	-11,2879	-0,8884	-1,7124	-0,6137	-11,5626



AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
342	342	1170	SLE-ENVE	Min	10,235	0	-14,0768	-1,4698	-0,1958	-1,4668	-14,0799
342	342	1125	SLE-ENVE	Min	-88,907	1,256E-20	-15,1038	0,0088	-0,7456	0,0455	-15,1405
342	342	1107	SLE-ENVE	Min	-86,009	1,254E-20	-11,8202	-0,026	-2,2622	0,393	-12,2392
356	356	2116	SLU-ENVE	Max	57,764	0	-23,3495	-6,4303	9,4415	-2,2129	-27,5669
356	356	2117	SLU-ENVE	Max	57,61	0	-50,0846	-10,7583	9,0048	-8,7945	-52,0485
356	356	31	SLU-ENVE	Max	53,194	0	-53,3971	-13,6192	9,2083	-11,591	-55,4253
356	356	30	SLU-ENVE	Max	48,276	0	-24,29	-7,3649	9,645	-2,9962	-28,6587
356	356	2116	SLU-ENVE	Min	48,112	0	-58,7587	-12,128	-6,3105	-11,2891	-59,5976
356	356	2117	SLU-ENVE	Min	45,926	0	-65,7302	-13,1741	-7,1398	-12,2214	-66,6829
356	356	31	SLU-ENVE	Min	59,495	0	-69,5092	-15,4612	-7,2616	-14,5026	-70,4678
356	356	30	SLU-ENVE	Min	-74,483	0	-61,8565	-12,1391	-6,4323	-11,3204	-62,6752
356	356	2116	SLE-ENVE	Max	55,765	0	-12,7239	-3,499	5,2189	-1,1464	-15,0765
356	356	2117	SLE-ENVE	Max	57,188	0	-27,4042	-5,8761	4,9754	-4,7819	-28,4984
356	356	31	SLE-ENVE	Max	51,863	0	-29,248	-7,1593	5,0864	-6,0443	-30,363
356	356	30	SLE-ENVE	Max	46,606	0	-13,2492	-4,02	5,3299	-1,5846	-15,6846
356	356	2116	SLE-ENVE	Min	34,119	0	-29,6393	-6,2333	-3,4362	-5,7393	-30,1334
356	356	2117	SLE-ENVE	Min	42,788	0	-33,6554	-6,9987	-3,8936	-6,4416	-34,2125
356	356	31	SLE-ENVE	Min	58,906	0	-35,7549	-8,3062	-3,9418	-7,7513	-36,3097
356	356	30	SLE-ENVE	Min	-73,335	0	-31,3521	-6,2944	-3,4843	-5,8189	-31,8276
357	357	30	SLU-ENVE	Max	50,232	0	-24,2947	-7,3883	9,4927	-3,1306	-28,5524
357	357	31	SLU-ENVE	Max	46,016	0	-53,4112	-13,6898	8,9324	-11,7735	-55,3274
357	357	2119	SLU-ENVE	Max	47,574	0	-55,8074	-10,6702	8,7096	-9,0479	-57,4297
357	357	2118	SLU-ENVE	Max	49,627	0	-25,1762	-4,3807	9,27	-0,8484	-28,7084
357	357	30	SLU-ENVE	Min	-70,025	0	-61,861	-12,1616	-6,8083	-11,2458	-62,7768
357	357	31	SLU-ENVE	Min	-57,498	0	-69,5206	-15,5297	-7,7148	-14,449	-70,6013
357	357	2119	SLU-ENVE	Min	89,252	0	-72,6364	-12,4912	-8,0936	-11,4211	-73,7065
357	357	2118	SLU-ENVE	Min	81,338	0	-65,0974	-10,1079	-7,1871	-9,1841	-66,0212
357	357	30	SLE-ENVE	Max	49,168	0	-13,2517	-4,0327	5,2442	-1,6602	-15,6243
357	357	31	SLE-ENVE	Max	44,846	0	-29,2558	-7,1862	4,9342	-6,1333	-30,3087
357	357	2119	SLE-ENVE	Max	47,092	0	-30,5896	-5,8463	4,8089	-4,9446	-31,4913
357	357	2118	SLE-ENVE	Max	49,069	0	-13,7375	-2,3792	5,1189	-0,4127	-15,704
357	357	30	SLE-ENVE	Min	-70,349	0	-31,3545	-6,3062	-3,6712	-5,7792	-31,8815
357	357	31	SLE-ENVE	Min	-57,378	0	-35,761	-8,3437	-4,1647	-7,7251	-36,3797
357	357	2119	SLE-ENVE	Min	88,112	0	-37,4768	-6,7118	-4,3465	-6,1095	-38,0791
357	357	2118	SLE-ENVE	Min	80,911	0	-33,1259	-5,2651	-3,8529	-4,742	-33,649
358	358	2117	SLU-ENVE	Max	65,053	0	-50,2009	-10,7816	7,8611	-9,2717	-51,7107
358	358	1318	SLU-ENVE	Max	84,45	0	-68,4001	-13,4925	5,8937	-12,867	-69,0256
358	358	19	SLU-ENVE	Max	62,937	0	-76,8485	-15,6138	6,7312	-14,8827	-77,5797
358	358	31	SLU-ENVE	Max	49,973	0	-53,1298	-13,5658	8,6986	-11,7377	-54,9578
358	358	2117	SLU-ENVE	Min	56,315	0	-65,7995	-13,188	-8,3327	-11,8998	-67,0877
358	358	1318	SLU-ENVE	Min	-61,6	0	-82,2548	-16,1943	-9,9104	-14,7395	-83,7095
358	358	19	SLU-ENVE	Min	-78,288	0	-95,1831	-20,1051	-9,5915	-18,8992	-96,3891
358	358	31	SLU-ENVE	Min	58,769	0	-69,3457	-15,4153	-8,0137	-14,2497	-70,5113
358	358	2117	SLE-ENVE	Max	65,37	0	-27,4682	-5,8889	4,341	-5,0484	-28,3087
358	358	1318	SLE-ENVE	Max	84,233	0	-35,4516	-7,0428	3,2516	-6,6754	-35,819
358	358	19	SLE-ENVE	Max	61,232	0	-40,1563	-8,2317	3,7121	-7,8058	-40,5822
358	358	31	SLE-ENVE	Max	49,241	0	-29,1009	-7,1442	4,8014	-6,1402	-30,105
358	358	2117	SLE-ENVE	Min	54,282	0	-33,6938	-7,0096	-4,5543	-6,2537	-34,4497
358	358	1318	SLE-ENVE	Min	-60,839	0	-44,067	-8,7028	-5,4281	-7,8884	-44,8814
358	358	19	SLE-ENVE	Min	-78,98	0	-51,2623	-10,8812	-5,2312	-10,2145	-51,9289

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
358	358	31	SLE-ENVE	Min	59,002	0	-35,665	-8,2807	-4,3573	-7,6041	-36,3416
364	364	1378	SLU-ENVE	Max	84,538	0	24,2977	-2,01	1,9851	24,4467	-2,159
364	364	1379	SLU-ENVE	Max	73,996	0	15,7625	-3,4049	5,3663	17,1626	-4,805
364	364	1358	SLU-ENVE	Max	71,886	0	26,4103	4,7075	5,3693	27,666	3,4518
364	364	1357	SLU-ENVE	Max	82,471	0	33,2549	5,5229	2,0206	33,4014	5,3765
364	364	1378	SLU-ENVE	Min	-24,743	0	-19,4266	-3,259	1,5229	-3,1168	-19,5688
364	364	1379	SLU-ENVE	Min	-33,692	0	-25,4246	-5,2356	0,2116	-5,2334	-25,4268
364	364	1358	SLU-ENVE	Min	-39,758	0	-30,0279	-5,5033	0,295	-5,4997	-30,0315
364	364	1357	SLU-ENVE	Min	-31,642	0	-22,1928	-3,9947	1,6063	-3,854	-22,3335
364	364	1378	SLE-ENVE	Max	84,215	0	13,0163	-0,9683	1,1056	13,1032	-1,0552
364	364	1379	SLE-ENVE	Max	74,571	0	8,5261	-1,2948	2,9829	9,361	-2,1298
364	364	1358	SLE-ENVE	Max	72,333	0	14,4406	2,585	2,9841	15,1493	1,8762
364	364	1357	SLE-ENVE	Max	82,052	0	17,993	2,9901	1,1262	18,077	2,9061
364	364	1378	SLE-ENVE	Min	-25,833	0	-8,2807	-1,5371	0,8503	-1,4315	-8,3862
364	364	1379	SLE-ENVE	Min	-35,108	0	-11,0506	-2,5541	0,1228	-2,5523	-11,0524
364	364	1358	SLE-ENVE	Min	-41,383	0	-13,6096	-2,4759	0,1706	-2,4733	-13,6122
364	364	1357	SLE-ENVE	Min	-33,157	0	-9,8174	-1,7545	0,8982	-1,6556	-9,9162
365	365	1357	SLU-ENVE	Max	81,628	0	33,2464	5,4802	2,1368	33,4099	5,3167
365	365	1358	SLU-ENVE	Max	77,033	0	26,3804	4,5578	5,6207	27,743	3,1952
365	365	1337	SLU-ENVE	Max	77,295	0	36,7964	12,1339	6,0168	38,186	10,7443
365	365	1336	SLU-ENVE	Max	80,917	0	42,3507	11,7945	2,5288	42,5586	11,5867
365	365	1357	SLU-ENVE	Min	-27,917	0	-22,1933	-3,997	1,6344	-3,8514	-22,3389
365	365	1358	SLU-ENVE	Min	-38,575	0	-30,0272	-5,4996	0,3179	-5,4954	-30,0313
365	365	1337	SLU-ENVE	Min	-40,657	0	-34,6023	-7,2516	0,2717	-7,2489	-34,605
365	365	1336	SLU-ENVE	Min	-32,464	0	-24,9083	-4,9603	1,5883	-4,8346	-25,0339
365	365	1357	SLE-ENVE	Max	81,373	0	17,9882	2,9663	1,1912	18,0821	2,8724
365	365	1358	SLE-ENVE	Max	77,734	0	14,4239	2,5019	3,1219	15,1919	1,7338
365	365	1337	SLE-ENVE	Max	78,681	0	20,2069	6,7248	3,3397	20,9889	5,9429
365	365	1336	SLE-ENVE	Max	81,241	0	23,0428	6,4951	1,4048	23,1612	6,3767
365	365	1357	SLE-ENVE	Min	-29,54	0	-9,8176	-1,7556	0,9145	-1,6532	-9,9201
365	365	1358	SLE-ENVE	Min	-40,669	0	-13,6091	-2,4736	0,1859	-2,4705	-13,6122
365	365	1337	SLE-ENVE	Min	-43,118	0	-16,1505	-3,4782	0,1615	-3,4762	-16,1525
365	365	1336	SLE-ENVE	Min	-35,119	0	-11,3238	-2,3195	0,8901	-2,2323	-11,4109
366	366	1336	SLU-ENVE	Max	82,159	0	42,3479	11,7805	3,3109	42,7024	11,426
366	366	1337	SLU-ENVE	Max	77,443	0	36,8019	12,1612	6,1789	38,2645	10,6986
366	366	1316	SLU-ENVE	Max	66,106	0	41,9557	6,3324	6,1657	42,9926	5,2954
366	366	1315	SLU-ENVE	Max	78,881	0	49,3101	9,3568	3,2977	49,5804	9,0864
366	366	1336	SLU-ENVE	Min	-25,599	0	-24,9087	-4,9622	1,4754	-4,8537	-25,0172
366	366	1337	SLU-ENVE	Min	-40,193	0	-34,6028	-7,2543	0,1493	-7,2535	-34,6037
366	366	1316	SLU-ENVE	Min	-56,639	0	-38,8991	-7,6679	-0,0186	-7,6679	-38,8991
366	366	1315	SLU-ENVE	Min	-66,785	0	-27,5327	-4,8506	1,3075	-4,7755	-27,6078
366	366	1336	SLE-ENVE	Max	82,593	0	23,0413	6,4875	1,836	23,2425	6,2863
366	366	1337	SLE-ENVE	Max	79,547	0	20,21	6,7401	3,4251	21,0309	5,9193
366	366	1316	SLE-ENVE	Max	70,467	0	23,0688	3,5142	3,4108	23,6466	2,9363
366	366	1315	SLE-ENVE	Max	79,909	0	26,9009	5,1681	1,8217	27,0525	5,0165
366	366	1336	SLE-ENVE	Min	-34,607	0	-11,3238	-2,3197	0,8244	-2,2449	-11,3987
366	366	1337	SLE-ENVE	Min	-43,878	0	-16,1506	-3,4789	0,0974	-3,4782	-16,1513
366	366	1316	SLE-ENVE	Min	-56,964	0	-18,5249	-3,7825	0,002	-3,7825	-18,5249
366	366	1315	SLE-ENVE	Min	-70,38	0	-12,7712	-2,3172	0,729	-2,2666	-12,8218
367	367	31	SLU-ENVE	Max	44,424	0	-53,1439	-13,6363	8,3204	-11,9555	-54,8247
367	367	19	SLU-ENVE	Max	54,747	0	-76,87	-15,7214	8,6596	-14,5187	-78,0727
367	367	1173	SLU-ENVE	Max	51,292	0	-74,6187	-14,0466	8,5085	-12,8741	-75,7912

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
367	367	2119	SLU-ENVE	Max	44,946	0	-56,0314	-10,715	8,1693	-9,2873	-57,4591
367	367	31	SLU-ENVE	Min	-73,979	0	-69,3571	-15,4838	-8,5144	-14,1702	-70,6707
367	367	19	SLU-ENVE	Min	68,317	0	-95,2145	-20,2624	-8,6536	-19,2763	-96,2007
367	367	1173	SLU-ENVE	Min	78,619	0	-90,2679	-18,4474	-9,0307	-17,3293	-91,386
367	367	2119	SLU-ENVE	Min	-86,384	0	-72,7663	-12,5298	-8,8915	-11,2447	-74,0514
367	367	31	SLE-ENVE	Max	43,82	0	-29,1087	-7,1711	4,5932	-6,2483	-30,0316
367	367	19	SLE-ENVE	Max	53,879	0	-40,1677	-8,2885	4,7744	-7,5889	-40,8673
367	367	1173	SLE-ENVE	Max	50,844	0	-38,9391	-7,4401	4,6902	-6,7566	-39,6226
367	367	2119	SLE-ENVE	Max	44,854	0	-30,7128	-5,871	4,5091	-5,0779	-31,5059
367	367	31	SLE-ENVE	Min	-74,968	0	-35,6711	-8,3182	-4,6054	-7,5636	-36,4257
367	367	19	SLE-ENVE	Min	68,674	0	-51,2794	-10,9666	-4,6818	-10,43	-51,8159
367	367	1173	SLE-ENVE	Min	78,602	0	-48,5426	-10,0112	-4,8542	-9,409	-49,1447
367	367	2119	SLE-ENVE	Min	-87,75	0	-37,5479	-6,7332	-4,7778	-6,0094	-38,2717
368	368	1170	SLU-ENVE	Max	31,241	0	56,4023	9,9824	2,5224	56,5389	9,8457
368	368	1171	SLU-ENVE	Max	32,918	0	49,7862	10,2476	6,2472	50,7498	9,2841
368	368	1105	SLU-ENVE	Max	4,886	1,973E-20	56,9681	0,1976	6,8497	57,7828	-0,6172
368	368	1125	SLU-ENVE	Max	2,765	1,954E-20	63,1177	0,1238	3,1249	63,2723	-0,0308
368	368	1170	SLU-ENVE	Min	30,035	0	-30,0059	-3,1118	1,1611	-3,0618	-30,056
368	368	1171	SLU-ENVE	Min	-11,377	0	-42,7984	-5,3851	-0,1724	-5,3843	-42,7991
368	368	1105	SLU-ENVE	Min	89,435	2,104E-20	-46,1515	0,0095	0,437	0,0136	-46,1557
368	368	1125	SLU-ENVE	Min	88,648	2,117E-20	-31,7956	0,0408	1,7706	0,139	-31,8937
368	368	1170	SLE-ENVE	Max	29,497	0	30,8315	5,54	1,3434	30,9026	5,4689
368	368	1171	SLE-ENVE	Max	31,951	0	27,4193	5,6895	3,412	27,9425	5,1663
368	368	1105	SLE-ENVE	Max	5,187	0	31,4103	0,1091	3,7248	31,8474	-0,3281
368	368	1125	SLE-ENVE	Max	2,767	0	34,5595	0,0695	1,6562	34,6389	-0,0099
368	368	1170	SLE-ENVE	Min	18,235	0	-14,1076	-1,476	0,5805	-1,4494	-14,1342
368	368	1171	SLE-ENVE	Min	-5,997	0	-20,6414	-2,677	-0,0961	-2,6765	-20,6419
368	368	1105	SLE-ENVE	Min	89,442	1,134E-20	-22,3907	0,0089	0,2077	0,0108	-22,3926
368	368	1125	SLE-ENVE	Min	88,827	1,141E-20	-15,0126	0,0262	0,8844	0,078	-15,0645
390	390	1379	SLU-ENVE	Max	66,774	0	15,7358	-3,4058	8,1011	18,7041	-6,374
390	390	1380	SLU-ENVE	Max	53,513	0	-4,5754	-4,6003	9,9315	5,3437	-14,5194
390	390	1359	SLU-ENVE	Max	49,887	0	-1,3503	-0,4316	10,6394	9,7584	-11,5403
390	390	1358	SLU-ENVE	Max	63,847	0	26,4045	4,7063	8,809	29,5304	1,5804
390	390	1379	SLU-ENVE	Min	-35,442	0	-25,4293	-5,2395	-1,2644	-5,1606	-25,5082
390	390	1380	SLU-ENVE	Min	-38,952	0	-32,4136	-6,8307	-2,9921	-6,4854	-32,7589
390	390	1359	SLU-ENVE	Min	-40,992	0	-39,1423	-7,3112	-2,9355	-7,0427	-39,4108
390	390	1358	SLU-ENVE	Min	-38,259	0	-30,0286	-5,5034	-1,2078	-5,4441	-30,088
390	390	1379	SLE-ENVE	Max	67,931	0	8,5113	-1,2954	4,5018	10,2645	-3,0485
390	390	1380	SLE-ENVE	Max	55,578	0	-2,4437	-1,9525	5,5179	3,3253	-7,7215
390	390	1359	SLE-ENVE	Max	51,792	0	-0,6524	-0,2089	5,9095	5,4831	-6,3443
390	390	1358	SLE-ENVE	Max	65,467	0	14,4374	2,5844	4,8934	16,1965	0,8253
390	390	1379	SLE-ENVE	Min	-36,539	0	-11,0532	-2,5563	-0,697	-2,4995	-11,11
390	390	1380	SLE-ENVE	Min	-39,841	0	-14,9202	-3,431	-1,6563	-3,197	-15,1542
390	390	1359	SLE-ENVE	Min	-41,78	0	-18,6589	-3,4711	-1,6222	-3,2998	-18,8302
390	390	1358	SLE-ENVE	Min	-39,28	0	-13,6101	-2,476	-0,6629	-2,4367	-13,6494
391	391	1358	SLU-ENVE	Max	70,624	0	26,3746	4,5566	9,0448	29,6365	1,2947
391	391	1359	SLU-ENVE	Max	43,89	0	-1,3714	-0,5374	10,8638	9,9174	-11,8262

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
391	391	1338	SLU-ENVE	Max	41,81	0	1,4896	3,7283	10,6323	13,3001	-8,0821
391	391	1337	SLU-ENVE	Max	69,737	0	36,7962	12,1338	8,8133	39,622	9,3081
391	391	1358	SLU-ENVE	Min	-38,698	0	-30,0279	-5,4997	-1,1872	-5,4424	-30,0852
391	391	1359	SLU-ENVE	Min	-41,917	0	-39,1412	-7,3055	-2,9491	-7,0347	-39,4121
391	391	1338	SLU-ENVE	Min	-45,177	0	-45,9915	-9,8098	-3,0178	-9,5598	-46,2415
391	391	1337	SLU-ENVE	Min	-42,285	0	-34,6006	-7,2513	-1,2558	-7,1938	-34,6582
391	391	1358	SLE-ENVE	Max	72,794	0	14,4208	2,5012	5,0224	16,2548	0,6672
391	391	1359	SLE-ENVE	Max	44,991	0	-0,6641	-0,2676	6,0312	5,5686	-6,5003
391	391	1338	SLE-ENVE	Max	42,074	0	0,9232	2,1123	5,899	7,4467	-4,4112
391	391	1337	SLE-ENVE	Max	72,404	0	20,207	6,7248	4,8902	21,794	5,1378
391	391	1358	SLE-ENVE	Min	-40,185	0	-13,6096	-2,4737	-0,6488	-2,436	-13,6473
391	391	1359	SLE-ENVE	Min	-42,716	0	-18,6582	-3,4679	-1,6255	-3,2959	-18,8302
391	391	1338	SLE-ENVE	Min	-45,532	0	-22,462	-4,8839	-1,6588	-4,7288	-22,6171
391	391	1337	SLE-ENVE	Min	-43,375	0	-16,1497	-3,4781	-0,6821	-3,4415	-16,1863
392	392	1337	SLU-ENVE	Max	71,637	0	36,8017	12,1612	8,607	39,5104	9,4525
392	392	1338	SLU-ENVE	Max	27,886	0	1,5013	3,7866	9,7121	12,423	-7,1351
392	392	1317	SLU-ENVE	Max	27,559	0	0,6099	-2,0762	9,3335	8,6964	-10,1627
392	392	1316	SLU-ENVE	Max	68,639	0	41,9866	6,3386	8,2284	43,7942	4,531
392	392	1337	SLU-ENVE	Min	-42,556	0	-34,6012	-7,254	-1,4013	-7,1824	-34,6728
392	392	1338	SLU-ENVE	Min	-46,614	0	-45,9869	-9,7869	-3,1421	-9,5162	-46,2576
392	392	1317	SLU-ENVE	Min	-55,743	0	-52,4368	-10,82	-3,3244	-10,5561	-52,7007
392	392	1316	SLU-ENVE	Min	-52,977	0	-38,8848	-7,6651	-1,5836	-7,5849	-38,965
392	392	1337	SLE-ENVE	Max	75,145	0	20,2101	6,7401	4,7709	21,7287	5,2215
392	392	1338	SLE-ENVE	Max	24,599	0	0,9297	2,1448	5,383	6,9544	-3,8799
392	392	1317	SLE-ENVE	Max	22,379	0	0,4315	-1,1062	5,1663	4,8858	-5,5605
392	392	1316	SLE-ENVE	Max	71,928	0	23,0859	3,5176	4,5542	24,0939	2,5096
392	392	1337	SLE-ENVE	Min	-44,347	0	-16,1498	-3,4788	-0,7591	-3,4335	-16,1952
392	392	1338	SLE-ENVE	Min	-46,678	0	-22,4593	-4,8705	-1,7182	-4,7042	-22,6256
392	392	1317	SLE-ENVE	Min	-53,476	0	-26,0333	-5,5052	-1,8096	-5,3469	-26,1916
392	392	1316	SLE-ENVE	Min	-52,253	0	-18,5176	-3,781	-0,8505	-3,7321	-18,5665
394	394	1171	SLU-ENVE	Max	50,225	0	49,5071	10,1918	8,4374	51,2414	8,4576
394	394	1172	SLU-ENVE	Max	48,415	0	2,8195	1,556	10,3929	12,5998	-8,2243
394	394	1127	SLU-ENVE	Max	7,059	1,976E-20	4,1546	0,1303	13,3088	15,6024	-11,3176
394	394	1105	SLU-ENVE	Max	9,172	2,005E-20	57,6477	0,3335	11,3534	59,8148	-1,8336
394	394	1171	SLU-ENVE	Min	-17,972	0	-42,8257	-5,3905	-1,9179	-5,2925	-42,9237
394	394	1172	SLU-ENVE	Min	-9,411	0	-58,1121	-8,4778	-3,771	-8,1929	-58,397
394	394	1127	SLU-ENVE	Min	89,107	1,257E-20	-63,1489	0,0315	-2,8872	0,1631	-63,2805
394	394	1105	SLU-ENVE	Min	89,594	1,274E-20	-46,1241	0,0153	-1,034	0,0384	-46,1473
394	394	1171	SLE-ENVE	Max	49,669	0	27,2643	5,6585	4,6314	28,2153	4,7076
394	394	1172	SLE-ENVE	Max	47,667	0	1,6621	0,8965	5,7209	7,013	-4,4544
394	394	1127	SLE-ENVE	Max	7,598	0	2,417	0,0722	7,3147	8,6527	-6,1635
394	394	1105	SLE-ENVE	Max	9,869	1,009E-20	31,787	0,1844	6,2251	32,9691	-0,9976
394	394	1171	SLE-ENVE	Min	-8,99	0	-20,6595	-2,6806	-1,0204	-2,6229	-20,7172
394	394	1172	SLE-ENVE	Min	-1,188	0	-29,1384	-4,3648	-1,9884	-4,2063	-29,297
394	394	1127	SLE-ENVE	Min	88,867	0	-31,8195	0,0208	-1,4909	0,0904	-31,8891
394	394	1105	SLE-ENVE	Min	89,288	0	-22,37	0,0132	-0,5229	0,0254	-22,3822
442	442	1381	SLU-ENVE	Max	18,874	0	-38,5153	-6,7129	4,2918	-6,1438	-39,0843
442	442	1003	SLU-ENVE	Max	30,188	0	-49,1151	-9,6493	-2,6804	-9,468	-49,2963

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
442	442	1002	SLU-ENVE	Max	28,271	0	-63,5441	-12,983	-2,5089	-12,8588	-63,6683
442	442	1360	SLU-ENVE	Max	18,384	0	-49,9406	-9,5974	4,4633	-9,1095	-50,4285
442	442	1381	SLU-ENVE	Min	-43,616	0	-45,2014	-9,2733	-	-6,0295	-48,4452
									11,2723		
442	442	1003	SLU-ENVE	Min	-48,1	0	-70,0131	-13,7151	-	-9,6946	-74,0336
									15,5727		
442	442	1002	SLU-ENVE	Min	-51,756	0	-100,8923	-20,8411	-	-17,7009	-
									16,1631		104,0326
442	442	1360	SLU-ENVE	Min	-45,313	0	-57,7084	-11,3158	-	-8,4585	-60,5657
									11,8626		
442	442	1381	SLE-ENVE	Max	15,562	0	-20,1101	-3,2101	2,3836	-2,8803	-20,4399
442	442	1003	SLE-ENVE	Max	29,016	0	-25,4679	-4,997	-1,49	-4,8891	-25,5758
442	442	1002	SLE-ENVE	Max	26,472	0	-33,6273	-6,879	-1,3959	-6,8064	-33,7
442	442	1360	SLE-ENVE	Max	14,694	0	-25,2327	-4,8449	2,4777	-4,5481	-25,5295
442	442	1381	SLE-ENVE	Min	-43,099	0	-23,5107	-4,8365	-6,2555	-2,9347	-25,4125
442	442	1003	SLE-ENVE	Min	-45,827	0	-37,7244	-7,3859	-8,6443	-5,0957	-40,0145
442	442	1002	SLE-ENVE	Min	-48,462	0	-54,8786	-11,3416	-8,966	-9,5674	-56,6527
442	442	1360	SLE-ENVE	Min	-44,311	0	-30,4568	-5,9748	-6,5772	-4,3197	-32,1119
443	443	1360	SLU-ENVE	Max	28,069	0	-49,9216	-9,5024	4,2992	-9,0502	-50,3738
443	443	1002	SLU-ENVE	Max	19,176	0	-63,5526	-13,0254	-2,7608	-12,875	-63,703
443	443	1001	SLU-ENVE	Max	24,66	0	-77,1084	-14,3618	-2,5388	-14,2592	-77,211
443	443	1339	SLU-ENVE	Max	33,673	0	-60,2798	-12,4614	4,5212	-12,0377	-60,7035
443	443	1360	SLU-ENVE	Min	-41,817	0	-57,6693	-11,1207	-	-8,139	-60,651
									12,1525		
443	443	1002	SLU-ENVE	Min	-52,391	0	-100,8739	-20,7489	-	-17,4796	-
									16,5119		104,1432
443	443	1001	SLU-ENVE	Min	-86,894	0	-129,7991	-23,7736	-	-21,3621	-
									16,1708		132,2105
443	443	1339	SLU-ENVE	Min	-39,997	0	-71,9264	-14,1579	-	-11,8362	-74,2481
									11,8114		
443	443	1360	SLE-ENVE	Max	23,881	0	-25,2221	-4,7916	2,3843	-4,5171	-25,4966
443	443	1002	SLE-ENVE	Max	19,06	0	-33,6321	-6,9027	-1,5365	-6,8147	-33,7201
443	443	1001	SLE-ENVE	Max	23,445	0	-41,1441	-7,6352	-1,4188	-7,5753	-41,2041
443	443	1339	SLE-ENVE	Max	29,261	0	-30,9683	-6,4481	2,5021	-6,1954	-31,221
443	443	1360	SLE-ENVE	Min	-40,536	0	-30,435	-5,866	-6,7316	-4,1426	-32,1585
443	443	1002	SLE-ENVE	Min	-48,954	0	-54,868	-11,2887	-9,1491	-9,4458	-56,7108
443	443	1001	SLE-ENVE	Min	-84,027	0	-70,9389	-12,9849	-8,9481	-11,6348	-72,2891
443	443	1339	SLE-ENVE	Min	-37,491	0	-38,3501	-7,5606	-6,5305	-6,2327	-39,678
444	444	1339	SLU-ENVE	Max	10,088	0	-60,3481	-12,8029	4,6988	-12,343	-60,808
444	444	1001	SLU-ENVE	Max	33,995	0	-76,9883	-13,7613	-1,3505	-13,7324	-77,0172
444	444	1000	SLU-ENVE	Max	18,604	0	-93,9966	-23,8771	-2,9547	-23,7528	-94,1209
444	444	1318	SLU-ENVE	Max	15,404	0	-68,2691	-13,935	3,0946	-13,7593	-68,4448
444	444	1339	SLU-ENVE	Min	4,95	0	-72,0483	-14,767	-11,255	-12,6349	-74,1804
444	444	1001	SLU-ENVE	Min	62,29	0	-129,5641	-22,5987	-	-20,5306	-
									15,0164		131,6322
444	444	1000	SLU-ENVE	Min	73,372	0	-160,9388	-42,6141	-	-40,5406	-
									15,8002		163,0123
444	444	1318	SLU-ENVE	Min	-24,086	0	-82,0606	-16,9405	-	-14,7862	-84,2149
									12,0388		
444	444	1339	SLE-ENVE	Max	7,26	0	-31,0065	-6,6391	2,5892	-6,367	-31,2786
444	444	1001	SLE-ENVE	Max	31,445	0	-41,0768	-7,2985	-0,7667	-7,2811	-41,0942
444	444	1000	SLE-ENVE	Max	19,012	0	-50,4946	-12,9435	-1,6554	-12,8706	-50,5675
444	444	1318	SLE-ENVE	Max	15,378	0	-35,377	-7,288	1,7005	-7,1854	-35,4796
444	444	1339	SLE-ENVE	Min	1,856	0	-38,418	-7,9003	-6,2098	-6,6851	-39,6332

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
444	444	1001	SLE-ENVE	Min	57,749	0	-70,8097	-12,3388	-8,2878	-11,1867	-71,9617
444	444	1000	SLE-ENVE	Min	72,772	0	-88,1789	-23,3729	-8,6986	-22,2256	-89,3262
444	444	1318	SLE-ENVE	Min	-22,444	0	-43,9577	-9,1174	-6,6205	-7,9017	-45,1734
446	446	1173	SLU-ENVE	Max	25,284	0	-74,5191	-14,6077	2,8221	-14,475	-74,6518
446	446	999	SLU-ENVE	Max	15,835	0	-114,6853	-35,2585	-3,5286	-35,102	-
											114,8417
446	446	902	SLU-ENVE	Max	6,188	1,586E-20	-112,5989	0,4861	-3,5441	0,5971	-
											112,7098
446	446	1113	SLU-ENVE	Max	7,214	1,639E-20	-87,778	-0,505	2,8066	-0,4149	-87,8682
446	446	1173	SLU-ENVE	Min	-73,428	0	-90,1077	-19,3264	-	-16,7357	-92,6984
									13,7871		
446	446	999	SLU-ENVE	Min	85,187	0	-199,5854	-63,2292	-	-60,9438	-
									17,8004		201,8709
446	446	902	SLU-ENVE	Min	28,627	0	-201,3631	0,3227	-	2,273	-
									19,9286		203,3134
446	446	1113	SLU-ENVE	Min	-42,706	0	-109,1947	-0,8294	-	1,4597	-
									15,9153		111,4838
446	446	1173	SLE-ENVE	Max	27,309	0	-38,8915	-7,7415	1,5526	-7,6643	-38,9687
446	446	999	SLE-ENVE	Max	17,693	0	-61,8179	-19,134	-1,9894	-19,0415	-61,9104
446	446	902	SLE-ENVE	Max	6,59	0	-61,1476	0,2535	-1,9943	0,3182	-61,2123
446	446	1113	SLE-ENVE	Max	7,626	0	-46,0728	-0,2656	1,5477	-0,2134	-46,1251
446	446	1173	SLE-ENVE	Min	-74,579	0	-48,4592	-10,493	-7,3892	-9,1055	-49,8467
446	446	999	SLE-ENVE	Min	85,041	0	-109,5625	-34,7427	-9,6365	-33,5215	-
											110,7837
446	446	902	SLE-ENVE	Min	27,7	0	-110,8424	0,1564	-	1,178	-111,864
									10,6977		
446	446	1113	SLE-ENVE	Min	-36,831	0	-58,9438	-0,4512	-8,4504	0,7452	-60,1401
494	494	1382	SLU-ENVE	Max	36,694	0	-9,7633	-5,6541	-	10,4467	-25,8642
									18,0388		
494	494	1383	SLU-ENVE	Max	41,219	0	23,525	-2,8237	-	32,9359	-12,2346
									18,3448		
494	494	1362	SLU-ENVE	Max	37,865	0	34,1156	5,9195	-	44,1375	-4,1024
									19,5708		
494	494	1361	SLU-ENVE	Max	33,064	0	-8,3388	-1,9379	-	14,3906	-24,6673
									19,2649		
494	494	1382	SLU-ENVE	Min	30,244	0	-31,6886	-10,1115	-	3,6674	-45,4676
									22,0719		
494	494	1383	SLU-ENVE	Min	37,157	0	2,3049	-7,2793	-	20,4398	-25,4142
									22,4206		
494	494	1362	SLU-ENVE	Min	35,535	0	9,0431	1,399	-	29,2681	-18,826
									23,7413		
494	494	1361	SLU-ENVE	Min	28,318	0	-38,145	-7,5913	-	4,9278	-50,6641
									23,2213		
494	494	1382	SLE-ENVE	Max	37,137	0	-4,8217	-2,9452	-10,023	6,1834	-13,9503
494	494	1383	SLE-ENVE	Max	41,57	0	12,4971	-1,5809	-	17,8453	-6,9291
									10,1929		
494	494	1362	SLE-ENVE	Max	38,089	0	18,3807	3,2186	-	24,0553	-2,456
									10,8738		
494	494	1361	SLE-ENVE	Max	33,513	0	-4,0288	-0,9346	-10,704	8,3335	-13,2969
494	494	1382	SLE-ENVE	Min	32,731	0	-16,7047	-5,4382	-	2,4182	-24,5611
									12,2571		
494	494	1383	SLE-ENVE	Min	38,9	0	2,0076	-3,8996	-	11,8526	-13,7447
									12,4532		
494	494	1362	SLE-ENVE	Min	36,512	0	5,7508	0,9221	-	16,7367	-10,0638
									13,1809		

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
494	494	1361	SLE-ENVE	Min	30,282	0	-20,2907	-4,0387	-	3,0699	-27,3993
495	495	1361	SLU-ENVE	Max	28,837	0	-8,3488	-1,988	12,8865	14,5996	-24,9363
495	495	1362	SLU-ENVE	Max	34,843	0	34,084	5,7615	19,5104	44,4089	-4,5634
495	495	1341	SLU-ENVE	Max	31,312	0	44,1025	13,1815	19,9758	53,5642	3,7197
495	495	1340	SLU-ENVE	Max	25,011	0	-7,7016	1,3332	19,5471	16,4251	-22,7934
495	495	1361	SLU-ENVE	Min	24,018	0	-38,1391	-7,5618	19,0818	5,2482	-50,9491
495	495	1362	SLU-ENVE	Min	28,653	0	9,019	1,2787	23,5752	29,6817	-19,384
495	495	1341	SLU-ENVE	Min	27,208	0	15,1604	7,3824	24,2256	35,5354	-12,9926
495	495	1340	SLU-ENVE	Min	19,928	0	-45,6666	-6,6114	23,9503	4,3089	-56,5869
495	495	1361	SLE-ENVE	Max	29,768	0	-4,0344	-0,9625	23,3613	8,4497	-13,4466
495	495	1362	SLE-ENVE	Max	35,388	0	18,3632	3,1307	10,8399	24,207	-2,7131
495	495	1341	SLE-ENVE	Max	31,473	0	23,9241	7,293	10,8593	29,286	1,9311
495	495	1340	SLE-ENVE	Max	25,603	0	-3,6688	0,9044	10,6012	9,4628	-12,2272
495	495	1361	SLE-ENVE	Min	26,803	0	-20,2875	-4,0228	13,0794	3,2463	-27,5566
495	495	1362	SLE-ENVE	Min	30,979	0	5,7375	0,8554	13,4417	16,958	-10,3651
495	495	1341	SLE-ENVE	Min	28,864	0	9,1487	4,2025	13,2769	20,1809	-6,8297
495	495	1340	SLE-ENVE	Min	23,506	0	-24,4657	-3,4898	12,932	2,6725	-30,6281
496	496	1340	SLU-ENVE	Max	14,773	0	-7,7206	1,2379	17,7797	15,0939	-21,5766
496	496	1341	SLU-ENVE	Max	22,845	0	44,1177	13,2577	18,8266	53,0296	4,3459
496	496	1320	SLU-ENVE	Max	25,416	0	48,6759	6,9699	18,205	55,5045	0,1413
496	496	1319	SLU-ENVE	Max	10,898	0	-11,13	-4,4938	17,1582	9,6641	-25,288
496	496	1340	SLU-ENVE	Min	-10,63	0	-45,7026	-6,7654	22,3803	3,4292	-55,8972
496	496	1341	SLU-ENVE	Min	2,98	0	15,176	7,4292	22,7572	34,8651	-12,2599
496	496	1320	SLU-ENVE	Min	-56,745	0	16,5659	0,8161	22,7572	32,7722	-15,3902
496	496	1319	SLU-ENVE	Min	-46,448	0	-56,6821	-13,6893	21,9831	-4,4391	-65,9323
496	496	1340	SLE-ENVE	Max	16,373	0	-3,6795	0,851	10,1161	8,7208	-11,5493
496	496	1341	SLE-ENVE	Max	24,039	0	23,9325	7,3353	10,1161	28,9852	2,2827
496	496	1320	SLE-ENVE	Max	25,814	0	26,4489	3,8924	10,1161	30,321	0,0203
496	496	1319	SLE-ENVE	Max	13,681	0	-5,5674	-2,2999	12,3873	5,7411	-13,6084
496	496	1340	SLE-ENVE	Min	0,478	0	-24,4855	-3,5765	12,3873	2,1783	-30,2403
496	496	1341	SLE-ENVE	Min	13,994	0	9,1574	4,2286	12,8682	19,7951	-6,4091
496	496	1320	SLE-ENVE	Min	-14,438	0	9,9308	0,5872	12,5797	18,6782	-8,1602

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
496	496	1319	SLE-ENVE	Min	-28,771	0	-30,5809	-7,4272	-	-2,2504	-35,7576
498	498	1174	SLU-ENVE	Max	-74,488	0	-10,4302	-4,079	12,1103	-	-25,6005
498	498	1175	SLU-ENVE	Max	-67,113	1,076E-20	56,122	9,4354	18,0689	11,0913	2,6953
498	498	1103	SLU-ENVE	Max	-76,384	1,922E-20	64,0532	0,3706	18,9764	71,8221	-7,3983
498	498	1123	SLU-ENVE	Max	-81,933	1,802E-20	-12,4749	-0,1998	23,5606	17,1325	-29,8072
498	498	1174	SLU-ENVE	Min	-74,592	1,167E-20	-62,2463	-14,504	22,6531	-4,4431	-72,3072
498	498	1175	SLU-ENVE	Min	-67,6	1,406E-20	20,7239	3,2725	24,1154	37,6602	-13,6638
498	498	1103	SLU-ENVE	Min	-80,771	3,51E-20	25,8658	0,2554	28,9047	44,6748	-18,5536
498	498	1123	SLU-ENVE	Min	-84,469	3,411E-20	-71,1448	-0,3883	28,1562	9,4484	-80,9815
498	498	1174	SLE-ENVE	Max	-74,052	0	-5,2037	-2,0558	10,0773	6,5697	-13,8292
498	498	1175	SLE-ENVE	Max	-66,428	0	30,5749	5,2801	10,5621	34,4053	1,4498
498	498	1103	SLE-ENVE	Max	-76,519	1,066E-20	34,99	0,206	13,1106	39,378	-4,182
498	498	1123	SLE-ENVE	Max	-82,092	1,001E-20	-6,2981	-0,1066	12,6258	9,7974	-16,2021
498	498	1174	SLE-ENVE	Min	-73,94	0	-33,6759	-7,9008	13,1889	-2,3482	-39,2284
498	498	1175	SLE-ENVE	Min	-66,699	0	12,2529	1,9336	13,2745	21,3353	-7,1487
498	498	1103	SLE-ENVE	Min	-80,55	1,827E-20	15,1441	0,1437	-15,886	25,2115	-9,9237
498	498	1123	SLE-ENVE	Min	-84,408	1,774E-20	-38,5786	-0,2119	15,3484	5,1725	-43,963
520	520	1383	SLU-ENVE	Max	45,995	0	23,5561	-2,8013	16,8332	31,7557	-11,001
520	520	1384	SLU-ENVE	Max	55,681	0	53,4534	1,0576	13,4264	56,6936	-2,1825
520	520	1363	SLU-ENVE	Max	51,951	0	69,7189	12,0669	14,2229	73,0368	8,749
520	520	1362	SLU-ENVE	Max	43,479	0	34,1295	5,9223	17,6297	42,6029	-2,5511
520	520	1383	SLU-ENVE	Min	42,185	0	2,3667	-7,2669	21,2001	19,2903	-24,1905
520	520	1384	SLU-ENVE	Min	54,23	0	31,9786	-4,2047	17,8014	39,268	-11,4941
520	520	1363	SLU-ENVE	Min	51,33	0	45,7714	7,7815	18,8958	53,5694	-0,0165
520	520	1362	SLU-ENVE	Min	40,51	0	9,0574	1,4019	22,2945	27,8503	-17,3911
520	520	1383	SLE-ENVE	Max	46,383	0	12,5142	-1,5685	-9,3533	17,1803	-6,2346
520	520	1384	SLE-ENVE	Max	56,091	0	27,9367	0,2197	-7,461	29,8174	-1,661
520	520	1363	SLE-ENVE	Max	51,891	0	36,971	6,421	-7,9032	38,8944	4,4976
520	520	1362	SLE-ENVE	Max	43,46	0	18,3881	3,2201	-9,7955	23,1924	-1,5841
520	520	1383	SLE-ENVE	Min	43,738	0	2,0419	-3,8927	11,7759	11,2185	-13,0694
520	520	1384	SLE-ENVE	Min	55,001	0	18,4174	-2,2066	-9,8899	22,3934	-6,1826



AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
520	520	1363	SLE-ENVE	Min	51,206	0	26,0789	4,4541	-	30,3336	0,1995
									10,4932		
520	520	1362	SLE-ENVE	Min	41,23	0	5,7587	0,9237	-	15,9543	-9,2718
									12,3792		
521	521	1362	SLU-ENVE	Max	40,711	0	34,098	5,7643	-	42,8892	-3,027
									18,0659		
521	521	1363	SLU-ENVE	Max	51,367	0	69,6871	11,908	-	73,1644	8,4307
									14,5947		
521	521	1342	SLU-ENVE	Max	49,737	0	85,7242	22,0035	-	88,9359	18,7917
									14,6619		
521	521	1341	SLU-ENVE	Max	37,937	0	44,0947	13,1799	-	52,4646	4,81
									18,1331		
521	521	1362	SLU-ENVE	Min	34,465	0	9,0333	1,2816	-	28,2837	-17,9688
									22,7991		
521	521	1363	SLU-ENVE	Min	49,844	0	45,7587	7,7177	-	53,8076	-0,3312
									19,2607		
521	521	1342	SLU-ENVE	Min	50,794	0	59,6098	17,4648	-	66,987	10,0877
									19,1136		
521	521	1341	SLU-ENVE	Min	32,861	0	15,1333	7,3786	-	34,2375	-11,7256
									22,6521		
521	521	1362	SLE-ENVE	Max	40,914	0	18,3706	3,1322	-	23,3528	-1,85
									10,0371		
521	521	1363	SLE-ENVE	Max	51,363	0	36,9533	6,3326	-8,1093	38,9683	4,3176
521	521	1342	SLE-ENVE	Max	48,988	0	45,8503	12,0018	-8,1459	47,7087	10,1435
521	521	1341	SLE-ENVE	Max	37,959	0	23,9193	7,2921	-	28,667	2,5444
									10,0738		
521	521	1362	SLE-ENVE	Min	36,133	0	5,7454	0,857	-	16,1864	-9,584
									12,6512		
521	521	1363	SLE-ENVE	Min	49,693	0	26,0718	4,4188	-	30,4605	0,0301
									10,6906		
521	521	1342	SLE-ENVE	Min	48,767	0	33,7649	9,8337	-	37,7841	5,8144
									10,5991		
521	521	1341	SLE-ENVE	Min	33,93	0	9,1338	4,2003	-	19,4668	-6,1327
									12,5598		
522	522	1341	SLU-ENVE	Max	30,673	0	44,1099	13,2562	-	52,1419	5,2242
									17,6728		
522	522	1342	SLU-ENVE	Max	50,103	0	85,7315	22,04	-	88,9737	18,7979
									14,7312		
522	522	1321	SLU-ENVE	Max	45,864	0	95,9988	16,7129	-	98,528	14,1836
									14,3852		
522	522	1320	SLU-ENVE	Max	26,27	0	48,7147	6,9776	-	54,9702	0,7221
									17,3268		
522	522	1341	SLU-ENVE	Min	16,797	0	15,1489	7,4254	-	33,6182	-11,0439
									21,9946		
522	522	1342	SLU-ENVE	Min	46,879	0	59,6045	17,438	-	66,6743	10,3681
									18,6573		
522	522	1321	SLU-ENVE	Min	63,874	0	69,8548	12,6488	-18,255	75,1837	7,3199
522	522	1320	SLU-ENVE	Min	9,997	0	16,6133	0,8256	-	31,7094	-14,2706
									21,5923		
522	522	1341	SLE-ENVE	Max	31,268	0	23,9277	7,3344	-9,8183	28,4854	2,7767
522	522	1342	SLE-ENVE	Max	48,896	0	45,8544	12,0224	-8,1828	47,7296	10,1472
522	522	1321	SLE-ENVE	Max	43,884	0	51,5354	9,1386	-7,9898	52,9911	7,6829
522	522	1320	SLE-ENVE	Max	26,585	0	26,4707	3,8967	-9,6253	30,0176	0,3499
522	522	1341	SLE-ENVE	Min	22,969	0	9,1425	4,2264	-	19,1099	-5,741
									12,1799		
522	522	1342	SLE-ENVE	Min	44,507	0	33,7619	9,8191	-	37,6053	5,9757
									10,3341		

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin	
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	
522	522	1321	SLE-ENVE	Min	45,436	0	39,4569	7,1467	-	42,3509	4,2527	
522	522	1320	SLE-ENVE	Min	18,37	0	9,9572	0,5925	10,0937	-	18,0996	-7,5499
524	524	1175	SLU-ENVE	Max	-56,131	0	56,6746	9,546	11,9395	-	62,826	3,3946
524	524	1176	SLU-ENVE	Max	-57,919	1,046E-20	108,5918	17,5443	18,1037	-	110,8542	15,282
524	524	1121	SLU-ENVE	Max	-81,737	3,259E-20	121,0006	0,3334	14,5293	-	123,5412	-2,2072
524	524	1103	SLU-ENVE	Max	-83,279	3,183E-20	62,9289	0,1298	17,6924	-	69,4531	-6,3943
524	524	1175	SLU-ENVE	Min	-57,037	1,056E-20	21,5086	3,4311	21,2668	-	37,3813	-12,4416
524	524	1176	SLU-ENVE	Min	-56,842	1,377E-20	80,2665	13,9762	23,2138	-	85,5615	8,6813
524	524	1121	SLU-ENVE	Min	-82,417	5,146E-20	90,9071	0,163	19,4689	-	96,6141	-5,5439
524	524	1103	SLU-ENVE	Min	-84,165	5,056E-20	24,4097	-0,0273	23,4615	-	42,0154	-17,633
524	524	1175	SLE-ENVE	Max	-54,337	0	30,8775	5,3406	27,2064	-	34,3655	1,8526
524	524	1176	SLE-ENVE	Max	-56,375	0	58,5098	9,6727	10,0618	-	59,8043	8,3781
524	524	1121	SLE-ENVE	Max	-81,857	1,804E-20	65,3679	0,1833	-8,0559	-	66,8116	-1,2604
524	524	1103	SLE-ENVE	Max	-83,369	1,763E-20	34,3725	0,0734	-9,8078	-	38,0477	-3,6018
524	524	1175	SLE-ENVE	Min	-55,003	0	12,6885	2,0215	11,8137	-	21,1817	-6,4718
524	524	1176	SLE-ENVE	Min	-55,464	0	45,2534	7,6634	12,7567	-	48,0684	4,8484
524	524	1121	SLE-ENVE	Min	-82,338	2,678E-20	51,1948	0,0888	10,6649	-	54,2287	-2,9451
524	524	1103	SLE-ENVE	Min	-84,097	2,631E-20	14,334	-0,0119	12,8164	-	23,705	-9,3829
546	546	1384	SLU-ENVE	Max	62,156	0	53,4557	1,0367	14,9081	-	55,018	-0,5257
546	546	1385	SLU-ENVE	Max	71,003	0	67,9651	3,5864	-9,1835	-	68,2464	3,3051
546	546	1364	SLU-ENVE	Max	68,044	0	84,4462	14,3454	-4,2651	-	84,7256	14,066
546	546	1363	SLU-ENVE	Max	59,644	0	69,7282	12,0688	-4,4341	-	71,2073	10,5897
546	546	1384	SLU-ENVE	Min	60,47	0	31,9662	-4,2072	-9,3526	-	36,1474	-8,3884
546	546	1385	SLU-ENVE	Min	72,703	0	42,7821	-2,1975	12,9897	-	43,8035	-3,2189
546	546	1364	SLU-ENVE	Min	68,798	0	57,2938	9,4281	-6,8546	-	58,3828	8,3391
546	546	1363	SLU-ENVE	Min	59,2	0	45,7864	7,7845	-7,3013	-	50,0572	3,5137
546	546	1384	SLE-ENVE	Max	62,575	0	27,9378	0,2081	13,4364	-	28,8475	-0,7016
546	546	1385	SLE-ENVE	Max	70,943	0	34,5736	1,3788	-5,1041	-	34,7423	1,2101
546	546	1364	SLE-ENVE	Max	67,455	0	44,9207	7,6218	-2,3721	-	45,083	7,4594
546	546	1363	SLE-ENVE	Max	59,777	0	36,976	6,422	-2,4662	-	37,8361	5,5618
546	546	1384	SLE-ENVE	Min	61,583	0	18,4104	-2,208	-5,1982	-	20,686	-4,4836
546	546	1385	SLE-ENVE	Min	72,599	0	24,2379	-1,1288	-7,2178	-	24,7983	-1,6893
546	546	1364	SLE-ENVE	Min	68,254	0	32,3	5,3328	-3,8119	-	32,8976	4,7353
546	546	1363	SLE-ENVE	Min	59,378	0	26,0872	4,4558	-4,0585	-	28,4129	2,1301
547	547	1363	SLU-ENVE	Max	57,576	0	69,6964	11,9099	-7,4644	-	71,2899	10,3164
547	547	1364	SLU-ENVE	Max	71,91	0	84,4195	14,2118	-9,7272	-	84,7178	13,9135

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
547	547	1343	SLU-ENVE	Max	69,284	0	104,1039	26,6424	-4,901	104,4128	26,3335
547	547	1342	SLU-ENVE	Max	54,237	0	85,7335	22,0053	-	87,2785	20,4603
									10,0422		
547	547	1363	SLU-ENVE	Min	56,527	0	45,7737	7,7207	-	50,2547	3,2396
									13,8058		
547	547	1364	SLU-ENVE	Min	72,335	0	57,2814	9,3658	-7,4483	58,4125	8,2347
547	547	1343	SLU-ENVE	Min	72,135	0	71,985	19,0841	-7,4979	73,0272	18,0419
547	547	1342	SLU-ENVE	Min	54,449	0	59,6415	17,4712	-	63,7864	13,3262
									13,8554		
547	547	1363	SLE-ENVE	Max	57,718	0	36,9583	6,3336	-5,406	37,8845	5,4073
547	547	1364	SLE-ENVE	Max	71,445	0	44,9058	7,5474	-2,5507	45,0791	7,374
547	547	1343	SLE-ENVE	Max	67,858	0	55,8345	14,5048	-2,7249	56,0134	14,3259
547	547	1342	SLE-ENVE	Max	53,572	0	45,8553	12,0028	-5,5801	46,7514	11,1067
547	547	1363	SLE-ENVE	Min	56,494	0	26,0802	4,4204	-7,6644	28,5179	1,9827
547	547	1364	SLE-ENVE	Min	71,418	0	32,2931	5,2982	-4,1394	32,9136	4,6777
547	547	1343	SLE-ENVE	Min	69,587	0	40,4602	10,2004	-4,1616	41,0221	9,6385
547	547	1342	SLE-ENVE	Min	53,404	0	33,7823	9,8372	-7,6866	36,0374	7,5821
548	548	1342	SLU-ENVE	Max	56,309	0	85,7408	22,0419	-	87,3245	20,4582
									10,1679		
548	548	1343	SLU-ENVE	Max	71,493	0	104,1068	26,6567	-5,3465	104,4741	26,2894
548	548	1322	SLU-ENVE	Max	62,583	0	118,2925	22,0054	-5,3309	118,5867	21,7111
548	548	1321	SLU-ENVE	Max	37,581	0	95,9907	16,7113	-	97,2702	15,4318
									10,1523		
548	548	1342	SLU-ENVE	Min	54,932	0	59,6361	17,4443	-	63,5576	13,5227
									13,4475		
548	548	1343	SLU-ENVE	Min	74,714	0	71,9827	19,0726	-7,6328	73,0618	17,9935
548	548	1322	SLU-ENVE	Min	73,075	0	83,424	16,2784	-7,5088	84,2535	15,449
548	548	1321	SLU-ENVE	Min	21,688	0	69,8181	12,6415	-	72,7704	9,6892
									13,3236		
548	548	1342	SLE-ENVE	Max	54,862	0	45,8595	12,0234	-5,6484	46,7775	11,1054
548	548	1343	SLE-ENVE	Max	69,458	0	55,8361	14,5127	-2,9697	56,0484	14,3003
548	548	1322	SLE-ENVE	Max	59,308	0	63,6986	12,0039	-2,9568	63,8672	11,8353
548	548	1321	SLE-ENVE	Max	37,38	0	51,5302	9,1376	-5,6355	52,2666	8,4012
548	548	1342	SLE-ENVE	Min	51,971	0	33,7794	9,8226	-7,4487	35,9065	7,6955
548	548	1343	SLE-ENVE	Min	70,217	0	40,459	10,1631	-4,2303	41,0386	9,5835
548	548	1322	SLE-ENVE	Min	62,923	0	46,813	9,1431	-4,1469	47,2641	8,692
548	548	1321	SLE-ENVE	Min	28,828	0	39,4365	7,1426	-7,3652	41,037	5,5422
550	550	1176	SLU-ENVE	Max	-37,228	1,207E-20	108,8467	17,5953	-	110,0486	16,3934
									10,5415		
550	550	1177	SLU-ENVE	Max	-40,083	1,194E-20	134,0648	21,6908	-5,0404	134,2904	21,4651
550	550	1101	SLU-ENVE	Max	-87,787	4,764E-20	148,6918	0,2652	-5,9433	148,9294	0,0276
550	550	1121	SLU-ENVE	Max	-86,733	4,76E-20	120,4016	0,2136	-	121,4817	-0,8665
									11,4444		
550	550	1176	SLU-ENVE	Min	-44,95	1,271E-20	80,521	13,9966	-14,724	83,6342	10,8834
550	550	1177	SLU-ENVE	Min	-46,01	1,223E-20	95,2614	13,8791	-7,8571	96,013	13,1275
550	550	1101	SLU-ENVE	Min	-86,788	7,209E-20	105,9601	0,0152	-9,6245	106,8273	-0,8521
550	550	1121	SLU-ENVE	Min	-86,321	7,195E-20	90,2982	0,1201	-	93,2195	-2,8012
									16,4914		
550	550	1176	SLE-ENVE	Max	-34,266	0	58,645	9,6997	-5,8269	59,3292	9,0156
550	550	1177	SLE-ENVE	Max	-35,624	0	72,432	11,9259	-2,7523	72,557	11,8009

AUTOSTRADA VALDASTICO A31 NORD

1° LOTTO – Piovene Rocchette – Valle dell’Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
550	550	1101	SLE-ENVE	Max	-88,002	2,627E-20	80,5054	0,1452	-3,2374	80,6356	0,015
550	550	1121	SLE-ENVE	Max	-86,879	2,625E-20	65,0469	0,1191	-6,3119	65,6548	-0,4888
550	550	1176	SLE-ENVE	Min	-43,278	0	45,395	7,6738	-8,0348	47,0352	6,0336
550	550	1177	SLE-ENVE	Min	-44,257	0	53,393	7,505	-4,2351	53,7806	7,1174
550	550	1101	SLE-ENVE	Min	-86,98	3,718E-20	59,3636	0,0062	-5,1415	59,8057	-0,4358
550	550	1121	SLE-ENVE	Min	-86,401	3,712E-20	50,8568	0,0684	-8,9412	52,3849	-1,4597
572	572	1385	SLU-ENVE	Max	76,919	0	67,8507	3,5865	0,3888	67,853	3,5841
572	572	1386	SLU-ENVE	Max	88,286	0	67,7141	3,8209	5,3804	68,164	3,371
572	572	1365	SLU-ENVE	Max	88,15	0	81,9634	13,8587	5,7782	82,4502	13,372
572	572	1364	SLU-ENVE	Max	77,064	0	84,451	14,3463	0,7778	84,4597	14,3377
572	572	1385	SLU-ENVE	Min	79,924	0	42,7482	-2,2043	-2,9738	42,9441	-2,4002
572	572	1386	SLU-ENVE	Min	-89,105	0	38,0051	-1,1345	1,2081	38,0423	-1,1717
572	572	1365	SLU-ENVE	Min	-88,769	0	48,3251	7,4828	1,0301	48,351	7,4568
572	572	1364	SLU-ENVE	Min	80,791	0	57,2981	9,429	-3,1518	57,5048	9,2223
572	572	1385	SLE-ENVE	Max	76,959	0	34,5101	1,3788	0,2136	34,5115	1,3775
572	572	1386	SLE-ENVE	Max	88,207	0	33,3205	1,2609	2,9839	33,5958	0,9856
572	572	1365	SLE-ENVE	Max	87,675	0	41,2455	6,913	3,2028	41,5417	6,6168
572	572	1364	SLE-ENVE	Max	76,728	0	44,9233	7,6223	0,4288	44,9282	7,6174
572	572	1385	SLE-ENVE	Min	79,798	0	24,2191	-1,1326	-1,6575	24,327	-1,2405
572	572	1386	SLE-ENVE	Min	-89,197	0	21,0115	-0,6547	0,6639	21,0318	-0,675
572	572	1365	SLE-ENVE	Min	-89,124	0	26,748	4,136	0,5622	26,7619	4,122
572	572	1364	SLE-ENVE	Min	80,429	0	32,3024	5,3333	-1,7592	32,4167	5,219
573	573	1364	SLU-ENVE	Max	79,743	0	84,4243	14,2128	0,6243	84,4299	14,2072
573	573	1365	SLU-ENVE	Max	86,794	0	81,9579	13,8312	5,8616	82,4586	13,3306
573	573	1344	SLU-ENVE	Max	83,863	0	96,3966	22,7449	5,4167	96,7928	22,3487
573	573	1343	SLU-ENVE	Max	76,411	0	104,1176	26,6451	0,2183	104,1182	26,6445
573	573	1364	SLU-ENVE	Min	81,669	0	57,2857	9,3667	-3,2475	57,5048	9,1476
573	573	1365	SLU-ENVE	Min	-89,609	0	48,3228	7,4712	1,2724	48,3623	7,4316
573	573	1344	SLU-ENVE	Min	88,598	0	58,9033	14,6214	1,6107	58,9618	14,5629
573	573	1343	SLU-ENVE	Min	80,333	0	72,0055	19,0882	-2,9092	72,165	18,9287
573	573	1364	SLE-ENVE	Max	79,049	0	44,9084	7,5479	0,3433	44,9116	7,5447
573	573	1365	SLE-ENVE	Max	85,855	0	41,2423	6,8971	3,2447	41,5461	6,5933
573	573	1344	SLE-ENVE	Max	81,768	0	49,2618	11,9392	2,9967	49,5009	11,7002
573	573	1343	SLE-ENVE	Max	74,841	0	55,8419	14,5063	0,1178	55,8422	14,5059
573	573	1364	SLE-ENVE	Min	80,841	0	32,2955	5,2987	-1,8113	32,4165	5,1777
573	573	1365	SLE-ENVE	Min	89,636	0	26,7466	4,1294	0,69	26,7677	4,1084
573	573	1344	SLE-ENVE	Min	86,534	0	32,6263	8,1119	0,8764	32,6576	8,0806
573	573	1343	SLE-ENVE	Min	78,285	0	40,4714	10,2004	-1,6249	40,5584	10,1134
574	574	1343	SLU-ENVE	Max	77,703	0	104,1205	26,6594	-0,3381	104,122	26,658
574	574	1344	SLU-ENVE	Max	86,72	0	96,3938	22,731	4,5149	96,6695	22,4553
574	574	1323	SLU-ENVE	Max	76,457	0	108,3321	20,3376	4,2708	108,5389	20,1308
574	574	1322	SLU-ENVE	Max	58,359	0	118,2995	22,0068	-0,5913	118,3031	22,0032
574	574	1343	SLU-ENVE	Min	82,193	0	72,0032	19,0767	-2,6551	72,1361	18,9438
574	574	1344	SLU-ENVE	Min	-88,141	0	58,9001	14,6055	2,3619	59,0257	14,4799
574	574	1323	SLU-ENVE	Min	-84,13	0	68,0421	13,8371	2,4652	68,154	13,7252
574	574	1322	SLU-ENVE	Min	69,863	0	83,4307	16,2797	-2,5518	83,5275	16,1829
574	574	1343	SLE-ENVE	Max	75,069	0	55,8434	14,5141	-0,1889	55,8443	14,5133
574	574	1344	SLE-ENVE	Max	83,843	0	49,2601	11,9308	2,4927	49,4258	11,765
574	574	1323	SLE-ENVE	Max	69,1	0	55,864	10,7582	2,3642	55,9876	10,6346

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
574	574	1322	SLE-ENVE	Max	55,93	0	63,7015	12,0045	-0,3241	63,7035	12,0024
574	574	1343	SLE-ENVE	Min	78,08	0	40,4702	10,1631	-1,4757	40,5418	10,0914
574	574	1344	SLE-ENVE	Min	88,139	0	32,6245	8,103	1,2879	32,692	8,0355
574	574	1323	SLE-ENVE	Min	83,594	0	37,6995	7,697	1,3531	37,7604	7,6361
574	574	1322	SLE-ENVE	Min	60,68	0	46,8162	9,1438	-1,4104	46,8689	9,091
576	576	1177	SLU-ENVE	Max	-4,965	1,64E-20	134,0347	21,6847	-0,2789	134,0354	21,6841
576	576	1178	SLU-ENVE	Max	12,878	1,67E-20	120,3138	17,3855	5,3314	120,5892	17,1101
576	576	1119	SLU-ENVE	Max	87,915	5,433E-20	131,5654	0,16	6,0581	131,8441	-0,1187
576	576	1101	SLU-ENVE	Max	-89,77	5,429E-20	148,7024	0,2673	0,5626	148,7045	0,2652
576	576	1177	SLU-ENVE	Min	-26,562	1,396E-20	95,1498	13,8923	-3,2276	95,2778	13,7643
576	576	1178	SLU-ENVE	Min	-21,108	1,309E-20	77,0133	12,0797	2,1275	77,083	12,0101
576	576	1119	SLU-ENVE	Min	-88,498	8,589E-20	84,4797	-0,0182	1,6815	84,5132	-0,0516
576	576	1101	SLU-ENVE	Min	-87,668	8,572E-20	106,1412	-0,0197	-3,6737	106,2682	-0,1467
576	576	1177	SLE-ENVE	Max	-2,416	0	72,4108	11,9216	-0,1009	72,4109	11,9215
576	576	1178	SLE-ENVE	Max	13,8	0	62,4505	9,3989	3,0269	62,6226	9,2267
576	576	1119	SLE-ENVE	Max	87,504	2,966E-20	68,5811	0,0867	3,4958	68,7591	-0,0913
576	576	1101	SLE-ENVE	Max	89,973	2,962E-20	80,52	0,1482	0,4052	80,522	0,1461
576	576	1177	SLE-ENVE	Min	-22,227	0	53,3305	7,5116	-1,6712	53,3914	7,4507
576	576	1178	SLE-ENVE	Min	-14,833	0	42,6755	6,7415	1,2428	42,7185	6,6986
576	576	1119	SLE-ENVE	Min	-88,882	4,342E-20	46,8282	-0,0125	1,0653	46,8524	-0,0368
576	576	1101	SLE-ENVE	Min	-87,927	4,343E-20	59,4662	-0,0115	-1,8487	59,5236	-0,0689
598	598	1386	SLU-ENVE	Max	-81,448	0	67,8268	3,8204	10,1377	69,3941	2,2531
598	598	1387	SLU-ENVE	Max	-74,716	0	53,5186	1,5432	13,7707	56,9417	-1,8798
598	598	1366	SLU-ENVE	Max	-75,339	0	69,5697	12,186	14,5797	73,0615	8,6941
598	598	1365	SLU-ENVE	Max	-81,641	0	81,9502	13,8561	10,9467	83,6667	12,1396
598	598	1386	SLU-ENVE	Min	-76,205	0	37,9408	-1,1473	5,9099	38,8148	-2,0213
598	598	1387	SLU-ENVE	Min	-64,457	0	22,1563	-1,5996	10,5852	26,1885	-5,6318
598	598	1366	SLU-ENVE	Min	-66,951	0	26,9131	3,6242	10,8466	31,1823	-0,645
598	598	1365	SLU-ENVE	Min	-76,885	0	48,3235	7,4825	6,1531	49,2304	6,5756
598	598	1386	SLE-ENVE	Max	-81,258	0	33,3833	1,2607	5,6282	34,3409	0,3031
598	598	1387	SLE-ENVE	Max	-73,936	0	24,5284	-0,233	7,648	26,7002	-2,4047
598	598	1366	SLE-ENVE	Max	-75,114	0	33,4615	5,7807	8,0928	35,6539	3,5883
598	598	1365	SLE-ENVE	Max	-82,267	0	41,2384	6,9116	6,073	42,2811	5,8689
598	598	1386	SLE-ENVE	Min	-76,647	0	20,9759	-0,6618	3,2778	21,4615	-1,1474
598	598	1387	SLE-ENVE	Min	-64,993	0	11,2404	-1,1073	5,8768	13,5902	-3,4572
598	598	1366	SLE-ENVE	Min	-68,031	0	13,8889	1,7955	6,0149	16,3711	-0,6867
598	598	1365	SLE-ENVE	Min	-77,816	0	26,7472	4,1358	3,4059	27,2491	3,6339
599	599	1365	SLU-ENVE	Max	-85,46	0	81,9447	13,8286	11,0338	83,6874	12,0858
599	599	1366	SLU-ENVE	Max	-74,692	0	69,5376	12,0255	14,9789	73,2049	8,3582
599	599	1345	SLU-ENVE	Max	-71,715	0	85,3235	21,8954	14,6846	88,5582	18,6607
599	599	1344	SLU-ENVE	Max	-82,371	0	96,2449	22,7146	10,7395	97,7813	21,1781
599	599	1365	SLU-ENVE	Min	-80,184	0	48,3212	7,4709	6,3935	49,2984	6,4936

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
599	599	1366	SLU-ENVE	Min	-63,881	0	26,9272	3,6943	11,3214	31,5315	-0,9101
599	599	1345	SLU-ENVE	Min	-61,357	0	31,9828	7,678	11,4681	36,5396	3,1212
599	599	1344	SLU-ENVE	Min	-76,598	0	58,9743	14,6356	6,8192	59,9994	13,6105
599	599	1365	SLE-ENVE	Max	-86,544	0	41,2352	6,8957	6,1169	42,2923	5,8387
599	599	1366	SLE-ENVE	Max	-74,535	0	33,4436	5,6908	8,3063	35,7396	3,3947
599	599	1345	SLE-ENVE	Max	-72,254	0	42,2304	11,255	8,1347	44,2367	9,2486
599	599	1344	SLE-ENVE	Max	-84,247	0	49,1774	11,9224	5,9453	50,1032	10,9966
599	599	1365	SLE-ENVE	Min	-81,369	0	26,7459	4,1292	3,5326	27,2848	3,5903
599	599	1366	SLE-ENVE	Min	-65,099	0	13,8966	1,8342	6,2659	16,5623	-0,8315
599	599	1345	SLE-ENVE	Min	-62,931	0	16,7143	4,0589	6,3673	19,3634	1,4098
599	599	1344	SLE-ENVE	Min	-78,567	0	32,6656	8,1198	3,7567	33,2277	7,5577
600	600	1344	SLU-ENVE	Max	-84,612	0	96,2421	22,7006	9,8183	97,5303	21,4124
600	600	1345	SLU-ENVE	Max	-80,464	0	85,3306	21,9311	14,2432	88,3834	18,8782
600	600	1324	SLU-ENVE	Max	-80,275	0	95,31	16,4033	13,8919	97,6843	14,029
600	600	1323	SLU-ENVE	Max	-86,902	0	108,434	20,358	9,467	109,4401	19,3519
600	600	1344	SLU-ENVE	Min	-77,709	0	58,9712	14,6197	7,5486	60,2207	13,3702
600	600	1345	SLU-ENVE	Min	-66,443	0	31,9727	7,6275	11,1132	36,2827	3,3175
600	600	1324	SLU-ENVE	Min	-60,198	0	37,9751	7,8883	10,7949	41,4475	4,4159
600	600	1323	SLU-ENVE	Min	-77,805	0	67,9991	13,8285	7,5658	69,0359	12,7917
600	600	1344	SLE-ENVE	Max	-85,987	0	49,1757	11,9139	5,4303	49,9509	11,1386
600	600	1345	SLE-ENVE	Max	-81,835	0	42,2339	11,2727	7,8743	44,1215	9,3851
600	600	1324	SLE-ENVE	Max	-84,301	0	47,7706	8,3724	7,6713	49,2116	6,9314
600	600	1323	SLE-ENVE	Max	89,113	0	55,9192	10,7692	5,2274	56,5165	10,1719
600	600	1344	SLE-ENVE	Min	-80,335	0	32,6639	8,1108	4,1559	33,3482	7,4265
600	600	1345	SLE-ENVE	Min	-69,557	0	16,7085	4,0299	6,1667	19,2131	1,5253
600	600	1324	SLE-ENVE	Min	-65,639	0	20,0456	4,2134	5,9911	22,0571	2,2018
600	600	1323	SLE-ENVE	Min	-82,522	0	37,6747	7,6921	4,1517	38,239	7,1278
602	602	1178	SLU-ENVE	Max	23,315	1,795E-20	120,4021	17,4032	10,5643	121,4745	16,3308
602	602	1179	SLU-ENVE	Max	28,871	1,9E-20	107,9165	17,3541	15,1957	110,3982	14,8724
602	602	1117	SLU-ENVE	Max	81,42	4,736E-20	119,3287	0,2091	17,3787	121,8124	-2,2745
602	602	1119	SLU-ENVE	Max	84,733	4,69E-20	131,3374	0,2002	12,7474	132,565	-1,0275
602	602	1178	SLU-ENVE	Min	-11,634	0	76,7956	12,0362	7,3373	77,6165	11,2152
602	602	1179	SLU-ENVE	Min	15,883	0	42,3248	5,9488	11,6684	45,7459	2,5276
602	602	1117	SLU-ENVE	Min	87,85	9,079E-20	45,8321	-0,0634	13,4293	49,4728	-3,7041
602	602	1119	SLU-ENVE	Min	88,965	9,088E-20	85,0399	0,0188	8,3674	85,8556	-0,7968
602	602	1178	SLE-ENVE	Max	24,476	0	62,4958	9,3698	5,8905	63,1411	8,7245
602	602	1179	SLE-ENVE	Max	29,307	1,048E-20	54,6959	9,2167	8,399	56,1974	7,7152
602	602	1117	SLE-ENVE	Max	80,279	2,521E-20	60,8777	0,1114	9,6585	62,3759	-1,3868
602	602	1119	SLE-ENVE	Max	83,75	2,49E-20	68,4625	0,1107	7,15	69,2024	-0,6292
602	602	1178	SLE-ENVE	Min	3,501	0	42,5519	6,7168	4,0749	43,0094	6,2592
602	602	1179	SLE-ENVE	Min	21,363	0	22,4396	3,227	6,5354	24,4519	1,2146
602	602	1117	SLE-ENVE	Min	87,002	4,496E-20	24,3505	-0,0392	7,5728	26,5105	-2,1992
602	602	1119	SLE-ENVE	Min	88,259	4,501E-20	47,1455	0,01	4,6956	47,6087	-0,4532
624	624	1387	SLU-ENVE	Max	-73,617	0	53,5094	1,5647	16,1784	58,1361	-3,0621

AUTOSTRADA VALDASTICO A31 NORD

1° LOTTO – Piovone Rocchette – Valle dell’Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
624	624	1388	SLU-ENVE	Max	-62,677	0	24,4143	-2,2706	19,9941	35,109	-12,9654
624	624	1367	SLU-ENVE	Max	-54,599	0	34,5225	6,2592	21,0116	45,7125	-4,9309
624	624	1366	SLU-ENVE	Max	-65,185	0	69,5593	12,1839	17,1959	74,3183	7,4249
624	624	1387	SLU-ENVE	Min	-61,937	0	22,1583	-1,5992	12,4031	27,4534	-6,8943
624	624	1388	SLU-ENVE	Min	-50,47	0	-1,4122	-4,3226	13,6262	10,8363	-16,571
624	624	1367	SLU-ENVE	Min	-48,657	0	1,5224	-0,5093	14,2377	14,7805	-13,7673
624	624	1366	SLU-ENVE	Min	-56,3	0	26,9013	3,6218	13,0146	32,7219	-2,1988
624	624	1387	SLE-ENVE	Max	-72,996	0	24,5234	-0,221	8,9877	27,4434	-3,1409
624	624	1388	SLE-ENVE	Max	-61,43	0	7,1021	-2,4448	11,111	14,4217	-9,7643
624	624	1367	SLE-ENVE	Max	-54,405	0	12,73	2,2107	11,6692	20,2701	-5,3294
624	624	1366	SLE-ENVE	Max	-65,072	0	33,4565	5,7796	9,5458	36,4295	2,8066
624	624	1387	SLE-ENVE	Min	-62,839	0	11,2415	-1,1071	6,893	14,3211	-4,1867
624	624	1388	SLE-ENVE	Min	-50,768	0	-3,2152	-2,8913	7,5742	4,5227	-10,6292
624	624	1367	SLE-ENVE	Min	-49,099	0	-1,5822	-0,7735	7,9143	6,7468	-9,1025
624	624	1366	SLE-ENVE	Min	-57,23	0	13,8826	1,7943	7,233	17,2644	-1,5875
625	625	1366	SLU-ENVE	Max	-67,56	0	69,5272	12,0235	17,5827	74,4773	7,0734
625	625	1367	SLU-ENVE	Max	-49,011	0	34,489	6,0915	21,4384	46,0042	-5,4237
625	625	1346	SLU-ENVE	Max	-48,85	0	43,8588	12,9401	21,2469	54,6754	2,1236
625	625	1345	SLU-ENVE	Max	-68,666	0	85,317	21,8941	17,6605	89,903	17,3081
625	625	1366	SLU-ENVE	Min	-56,615	0	26,9153	3,6919	13,3481	32,9955	-2,3883
625	625	1367	SLU-ENVE	Min	-43,898	0	1,5148	-0,5474	14,6711	15,191	-14,2236
625	625	1346	SLU-ENVE	Min	-45,816	0	4,172	2,2404	14,8722	18,1098	-11,6973
625	625	1345	SLU-ENVE	Min	-57,712	0	31,9626	7,674	13,5492	38,0135	1,6231
625	625	1366	SLE-ENVE	Max	-67,445	0	33,4385	5,6898	9,7487	36,521	2,6073
625	625	1367	SLE-ENVE	Max	-48,555	0	12,7114	2,1176	11,8959	20,4364	-5,6073
625	625	1346	SLE-ENVE	Max	-50,797	0	17,9493	5,963	11,7699	25,1641	-1,2518
625	625	1345	SLE-ENVE	Max	-69,815	0	42,2276	11,2544	9,7865	45,0607	8,4213
625	625	1366	SLE-ENVE	Min	-57,591	0	13,8903	1,8329	7,4168	17,4196	-1,6964
625	625	1367	SLE-ENVE	Min	-43,86	0	-1,5864	-0,7946	8,156	6,975	-9,3561
625	625	1346	SLE-ENVE	Min	-46,61	0	-0,0977	0,7513	8,2648	8,6025	-7,9489
625	625	1345	SLE-ENVE	Min	-59,783	0	16,7033	4,0567	7,5257	20,2096	0,5505
626	626	1345	SLU-ENVE	Max	-78,134	0	85,3241	21,9298	17,665	89,9142	17,3397
626	626	1346	SLU-ENVE	Max	-44,152	0	43,8835	13,0634	20,3479	53,9981	2,9488
626	626	1325	SLU-ENVE	Max	-32,147	0	47,4985	6,5779	20,1192	55,7333	-1,6569
626	626	1324	SLU-ENVE	Max	-75,289	0	95,3266	16,4066	17,4993	99,0327	12,7005
626	626	1345	SLU-ENVE	Min	-61,163	0	31,9525	7,6235	13,4924	37,9544	1,6215
626	626	1346	SLU-ENVE	Min	-42,71	0	4,186	2,3103	15,033	18,3104	-11,814
626	626	1325	SLU-ENVE	Min	-43,249	0	5,1526	0,1565	14,8398	17,7031	-12,394
626	626	1324	SLU-ENVE	Min	-59,045	0	38,004	7,8941	13,2992	43,0368	2,8612
626	626	1345	SLE-ENVE	Max	-79,798	0	42,2311	11,2721	9,7734	45,0583	8,4449
626	626	1346	SLE-ENVE	Max	-45,945	0	17,9631	6,0322	11,2375	24,7204	-0,7251
626	626	1325	SLE-ENVE	Max	-36,634	0	20,0254	2,5703	11,073	25,3968	-2,8011
626	626	1324	SLE-ENVE	Max	-78,622	0	47,78	8,3743	9,6561	50,0189	6,1353
626	626	1345	SLE-ENVE	Min	-64,833	0	16,6975	4,0277	7,4901	20,1724	0,5528
626	626	1346	SLE-ENVE	Min	-42,979	0	-0,0897	0,7913	8,348	8,7104	-8,0088
626	626	1325	SLE-ENVE	Min	-44,224	0	0,471	-0,3639	8,2353	8,2994	-8,1923
626	626	1324	SLE-ENVE	Min	-62,955	0	20,0615	4,2166	7,3773	22,9645	1,3136
628	628	1179	SLU-ENVE	Max	46,619	1,669E-20	107,6364	17,2981	18,2029	111,1663	13,7682
628	628	1304	SLU-ENVE	Max	40,523	2,081E-20	55,2852	9,4055	22,216	64,2795	0,4113
628	628	1115	SLU-ENVE	Max	69,597	3,082E-20	60,8734	0,1778	25,665	70,2708	-9,2196

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle Degrees	FVM KN/m	M11 KN-m/m	M22 KN-m/m	M12 KN-m/m	MMax KN-m/m	MMin KN-m/m
628	628	1117	SLU-ENVE	Max	77,701	2,854E-20	119,9765	0,3387	21,6053	123,7586	-3,4434
628	628	1179	SLU-ENVE	Min	53,158	0	42,0673	5,8973	13,6796	46,6582	1,3063
628	628	1304	SLU-ENVE	Min	44,239	1,335E-20	7,7579	1,5281	15,0303	19,9926	-10,7067
628	628	1115	SLU-ENVE	Min	84,598	7,546E-20	8,4188	-0,0004724	17,1257	21,8446	-13,4263
628	628	1117	SLU-ENVE	Min	86,759	7,605E-20	46,4217	0,0601	15,7749	51,2802	-4,7984
628	628	1179	SLE-ENVE	Max	46,569	0	54,5309	9,1837	10,0081	56,6414	7,0732
628	628	1304	SLE-ENVE	Max	40,589	1,204E-20	24,349	4,5434	12,051	30,0441	-1,1516
628	628	1115	SLE-ENVE	Max	65,872	1,558E-20	27,1875	0,0948	13,9832	33,1099	-5,8276
628	628	1117	SLE-ENVE	Max	74,853	1,392E-20	61,2511	0,1861	11,8493	63,4698	-2,0326
628	628	1179	SLE-ENVE	Min	52,296	0	22,2875	3,1966	7,6266	24,9601	0,524
628	628	1304	SLE-ENVE	Min	44,126	0	1,9238	0,5643	8,3303	9,602	-7,1139
628	628	1115	SLE-ENVE	Min	82,811	3,477E-20	2,1543	-0,0022	9,5647	10,7013	-8,5492
628	628	1117	SLE-ENVE	Min	85,574	3,502E-20	24,6924	0,0358	8,861	27,5465	-2,8183
650	650	1388	SLU-ENVE	Max	-54,915	0	24,3945	-2,2954	21,7391	36,5579	-14,4589
650	650	1389	SLU-ENVE	Max	-39,835	0	-20,2642	-6,3088	21,4379	9,2584	-35,8314
650	650	1368	SLU-ENVE	Max	-34,76	0	-25,3619	-5,1418	22,5857	9,4934	-39,9971
650	650	1367	SLU-ENVE	Max	-57,66	0	34,4574	6,2462	22,8904	47,2393	-6,5358
650	650	1388	SLU-ENVE	Min	-46,993	0	-1,3594	-4,312	14,3382	11,5783	-17,2497
650	650	1389	SLU-ENVE	Min	-41,845	0	-32,5447	-7,9532	14,0646	-1,5674	-38,9304
650	650	1368	SLU-ENVE	Min	-42,302	0	-35,7954	-7,295	14,7466	-1,0383	-42,052
650	650	1367	SLU-ENVE	Min	-48,327	0	1,4681	-0,5201	15,0202	15,5271	-14,5791
650	650	1388	SLE-ENVE	Max	-54,187	0	7,0914	-2,4585	12,0818	15,3076	-10,6746
650	650	1389	SLE-ENVE	Max	-39,64	0	-18,4916	-4,89	11,9143	2,0278	-25,4094
650	650	1368	SLE-ENVE	Max	-36,829	0	-21,3336	-4,2994	12,5472	2,3484	-27,9814
650	650	1367	SLE-ENVE	Max	-59,126	0	12,6926	2,2032	12,7165	21,2035	-6,3077
650	650	1388	SLE-ENVE	Min	-47,154	0	-3,1856	-2,8854	7,9701	4,936	-11,007
650	650	1389	SLE-ENVE	Min	-41,539	0	-22,2667	-5,2574	7,8174	-2,2104	-25,3137
650	650	1368	SLE-ENVE	Min	-42,482	0	-24,8267	-5,0575	8,1975	-2,1006	-27,7836
650	650	1367	SLE-ENVE	Min	-49,322	0	-1,6139	-0,7799	8,3502	7,1638	-9,5575
651	651	1367	SLU-ENVE	Max	-47,82	0	34,4238	6,0785	23,3189	47,5392	-7,0369
651	651	1368	SLU-ENVE	Max	-32,097	0	-25,3479	-5,0717	22,7641	9,7098	-40,1294
651	651	1347	SLU-ENVE	Max	-29,244	0	-31,8961	-4,4885	22,4572	8,1158	-44,5005
651	651	1346	SLU-ENVE	Max	-41,931	0	43,9744	12,9632	23,0368	56,2379	0,6998
651	651	1367	SLU-ENVE	Min	-42,081	0	1,4605	-0,5582	15,452	15,936	-15,0338
651	651	1368	SLU-ENVE	Min	-40,749	0	-35,7962	-7,2988	14,9611	-0,887	-42,208
651	651	1347	SLU-ENVE	Min	-43,995	0	-41,6498	-7,625	15,0604	-1,9165	-47,3583
651	651	1346	SLU-ENVE	Min	-45,035	0	4,1779	2,2416	15,5513	18,7912	-12,3716
651	651	1367	SLE-ENVE	Max	-48,632	0	12,674	2,1102	12,9455	21,3736	-6,5895
651	651	1368	SLE-ENVE	Max	-33,129	0	-21,3251	-4,2571	12,6414	2,4613	-28,0435
651	651	1347	SLE-ENVE	Max	-34,542	0	-24,9759	-3,9286	12,4593	1,8568	-30,7612
651	651	1346	SLE-ENVE	Max	-47,035	0	18,0195	5,977	12,7777	26,1236	-2,127
651	651	1367	SLE-ENVE	Min	-41,942	0	-1,6181	-0,801	8,5918	7,392	-9,811
651	651	1368	SLE-ENVE	Min	-40,407	0	-24,8089	-4,9684	8,3192	-1,9419	-27,8355
651	651	1347	SLE-ENVE	Min	-45,121	0	-30,0925	-5,6108	8,3777	-3,0184	-32,6849
651	651	1346	SLE-ENVE	Min	-46,238	0	-0,0897	0,753	8,6504	8,9923	-8,329



AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
652	652	1346	SLU-ENVE	Max	-33,47	0	43,9991	13,0865	22,0949	55,5072	1,5783
652	652	1347	SLU-ENVE	Max	9,771	0	-31,9623	-4,8194	21,5445	7,0719	-43,8536
652	652	1326	SLU-ENVE	Max	29,735	0	-38,7866	-10,1987	21,1227	1,0119	-49,9973
652	652	1325	SLU-ENVE	Max	-78,579	0	47,1139	6,5009	21,6731	56,5072	-2,8924
652	652	1346	SLU-ENVE	Min	-41,78	0	4,1919	2,3115	15,5763	18,8564	-12,3529
652	652	1347	SLU-ENVE	Min	-17,868	0	-41,7128	-7,9396	14,741	-2,4107	-47,2417
652	652	1326	SLU-ENVE	Min	-49,43	0	-48,9811	-11,8899	14,4043	-6,9531	-53,9179
652	652	1325	SLU-ENVE	Min	-57,879	0	4,9024	0,1064	15,2396	17,9315	-12,9227
652	652	1346	SLE-ENVE	Max	-37,196	0	18,0333	6,0462	12,2219	25,6522	-1,5727
652	652	1347	SLE-ENVE	Max	14,633	0	-25,0148	-4,1229	11,939	1,2949	-30,4325
652	652	1326	SLE-ENVE	Max	42,019	0	-28,7076	-7,0902	11,6547	-2,0036	-33,7941
652	652	1325	SLE-ENVE	Max	-87,677	0	19,8029	2,5258	11,9376	25,8997	-3,571
652	652	1346	SLE-ENVE	Min	-42,28	0	-0,0817	0,7929	8,6582	9,0249	-8,3136
652	652	1347	SLE-ENVE	Min	-10,053	0	-30,1299	-5,7975	8,2052	-3,2892	-32,6382
652	652	1326	SLE-ENVE	Min	-87,261	0	-34,0636	-7,5919	8,0046	-5,3597	-36,2958
652	652	1325	SLE-ENVE	Min	-63,695	0	0,3208	-0,3939	8,4576	8,4286	-8,5018
654	654	1304	SLU-ENVE	Max	60,831	2,202E-20	54,0698	9,1625	23,9402	64,4384	-1,2061
654	654	1305	SLU-ENVE	Max	66,404	2,044E-20	-42,9197	-12,3768	22,9944	-0,0446	-55,2519
654	654	1099	SLU-ENVE	Max	49,028	1,819E-20	-51,839	-0,7033	26,8786	10,8256	-63,3679
654	654	1115	SLU-ENVE	Max	46,011	2,159E-20	62,549	0,5129	27,7896	73,1769	-10,1149
654	654	1304	SLU-ENVE	Min	64,911	1,86E-20	6,7746	1,3314	15,6838	19,9712	-11,8652
654	654	1305	SLU-ENVE	Min	73,572	1,607E-20	-55,5555	-16,2339	14,4259	-11,5092	-60,2802
654	654	1099	SLU-ENVE	Min	82,788	4,631E-20	-66,0215	-0,9347	16,3466	2,94	-69,8963
654	654	1115	SLU-ENVE	Min	78,908	4,673E-20	9,5626	0,2534	17,6045	23,1174	-13,3015
654	654	1304	SLE-ENVE	Max	60,072	1,342E-20	23,6313	4,3999	12,9358	30,1338	-2,1027
654	654	1305	SLE-ENVE	Max	67,249	1,139E-20	-30,6566	-7,7393	12,2571	-2,4189	-35,977
654	654	1099	SLE-ENVE	Max	40,631	1,014E-20	-34,6502	-0,4336	14,2971	4,7539	-39,8376
654	654	1115	SLE-ENVE	Max	39,695	1,335E-20	28,141	0,2855	14,9693	34,6599	-6,2333
654	654	1304	SLE-ENVE	Min	64,593	1,154E-20	1,3394	0,4474	8,6578	9,5627	-7,7759
654	654	1305	SLE-ENVE	Min	74,242	0	-37,3769	-10,3019	7,8675	-8,1818	-39,497
654	654	1099	SLE-ENVE	Min	79,275	1,756E-20	-43,2737	-0,5798	8,9406	1,2169	-45,0704
654	654	1115	SLE-ENVE	Min	72,743	1,849E-20	2,82	0,1459	9,731	11,3054	-8,3395
676	676	1389	SLU-ENVE	Max	-13,41	0	-20,386	-6,3108	20,1593	8,004	-34,7008
676	676	1028	SLU-ENVE	Max	-32,451	0	-44,9993	-8,822	17,7968	-1,535	-52,2863
676	676	1027	SLU-ENVE	Max	-38,015	0	-62,2727	-12,7688	18,7183	-6,488	-68,5535
676	676	1368	SLU-ENVE	Max	-33,165	0	-25,2887	-5,1272	21,0808	8,1591	-38,575
676	676	1389	SLU-ENVE	Min	-37,639	0	-32,6151	-7,9673	13,1046	-2,3021	-38,2803
676	676	1028	SLU-ENVE	Min	-44,334	0	-50,8515	-9,9894	11,4951	-6,9777	-53,8633
676	676	1027	SLU-ENVE	Min	-46,77	0	-68,5581	-14,1473	12,077	-11,5872	-71,1183
676	676	1368	SLU-ENVE	Min	-44,31	0	-35,7405	-7,284	13,6865	-1,7698	-41,2547

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
676	676	1389	SLE-ENVE	Max	-9,249	0	-18,5599	-4,8912	11,2012	1,396	-24,8472
676	676	1028	SLE-ENVE	Max	-35,159	0	-32,6519	-6,4286	9,8846	-3,1201	-35,9604
676	676	1027	SLE-ENVE	Max	-41,852	0	-39,8201	-8,146	10,3914	-5,0412	-42,9249
676	676	1368	SLE-ENVE	Max	-36,206	0	-21,2913	-4,291	11,7081	1,6772	-27,2594
676	676	1389	SLE-ENVE	Min	-35,539	0	-22,3063	-5,2654	7,2838	-2,5764	-24,9953
676	676	1028	SLE-ENVE	Min	-45,111	0	-33,7043	-6,6656	6,388	-5,2324	-35,1375
676	676	1027	SLE-ENVE	Min	-47,911	0	-43,292	-8,905	6,7106	-7,6418	-44,5551
676	676	1368	SLE-ENVE	Min	-45,049	0	-24,7936	-5,0508	7,6064	-2,4602	-27,3842
677	677	1368	SLU-ENVE	Max	-31,316	0	-25,2747	-5,0571	21,0491	8,1847	-38,5165
677	677	1027	SLU-ENVE	Max	-38,65	0	-62,2715	-12,7628	18,5601	-6,5776	-68,4567
677	677	1026	SLU-ENVE	Max	48,149	0	-74,5598	-13,7966	18,1653	-8,7802	-79,5762
677	677	1347	SLU-ENVE	Max	44,123	0	-31,9453	-4,4983	20,6543	6,5761	-43,0197
677	677	1368	SLU-ENVE	Min	-42,678	0	-35,7413	-7,2879	13,737	-1,7382	-41,2909
677	677	1027	SLU-ENVE	Min	-46,583	0	-68,5511	-14,1122	11,9961	-11,586	-71,0773
677	677	1026	SLU-ENVE	Min	-80,202	0	-85,4552	-15,5965	11,902	-13,6244	-87,4273
677	677	1347	SLU-ENVE	Min	81,378	0	-41,8225	-7,6595	13,6429	-2,8799	-46,6021
677	677	1368	SLE-ENVE	Max	-33,4	0	-21,2828	-4,2486	11,6787	1,6888	-27,2203
677	677	1027	SLE-ENVE	Max	-42,135	0	-39,8209	-8,1499	10,2926	-5,0989	-42,872
677	677	1026	SLE-ENVE	Max	55,671	0	-46,6356	-8,6667	10,0746	-6,1591	-49,1432
677	677	1347	SLE-ENVE	Max	48,992	0	-25,011	-3,9356	11,4607	1,0956	-30,0422
677	677	1368	SLE-ENVE	Min	-42,917	0	-24,7758	-4,9618	7,6306	-2,3639	-27,3738
677	677	1027	SLE-ENVE	Min	-47,637	0	-43,2889	-8,8895	6,6607	-7,6448	-44,5335
677	677	1026	SLE-ENVE	Min	86,019	0	-52,6844	-9,7665	6,6191	-8,7689	-53,682
677	677	1347	SLE-ENVE	Min	68,027	0	-30,197	-5,6317	7,589	-3,4763	-32,3524
678	678	1347	SLU-ENVE	Max	32,538	0	-32,0115	-4,8292	20,2344	5,9548	-42,7955
678	678	1026	SLU-ENVE	Max	52,196	0	-74,4101	-13,0481	17,9273	-8,1945	-79,2637
678	678	1025	SLU-ENVE	Max	70,625	0	-88,4737	-23,2847	16,488	-19,3517	-92,4067
678	678	1326	SLU-ENVE	Max	45,345	0	-38,3235	-10,1061	18,9303	-0,6053	-47,8244
678	678	1347	SLU-ENVE	Min	30,847	0	-41,8854	-7,9741	13,6715	-3,149	-46,7105
678	678	1026	SLU-ENVE	Min	-67,896	0	-85,258	-14,6108	11,9312	-12,6502	-87,2186
678	678	1025	SLU-ENVE	Min	-89,273	0	-103,7806	-28,2248	10,7896	-26,7143	-
											105,2912
678	678	1326	SLU-ENVE	Min	59,453	0	-48,4998	-11,7822	12,5299	-7,9139	-52,3681
678	678	1347	SLE-ENVE	Max	36,354	0	-25,0499	-4,1299	11,2432	0,7665	-29,9463
678	678	1026	SLE-ENVE	Max	64,67	0	-46,5464	-8,2205	9,9598	-5,7868	-48,9801
678	678	1025	SLE-ENVE	Max	73,646	0	-54,5712	-14,227	9,0956	-12,2712	-56,527
678	678	1326	SLE-ENVE	Max	50,349	0	-28,4296	-7,0407	10,4544	-2,7797	-32,6906
678	678	1347	SLE-ENVE	Min	36,102	0	-30,2343	-5,8184	7,6365	-3,6267	-32,426
678	678	1026	SLE-ENVE	Min	-77,478	0	-52,5709	-9,2585	6,6624	-8,2568	-53,5726
678	678	1025	SLE-ENVE	Min	87,021	0	-63,4791	-16,8714	5,9903	-16,1138	-64,2367
678	678	1326	SLE-ENVE	Min	59,583	0	-33,7732	-7,5298	6,9644	-5,7961	-35,5069
680	680	1305	SLU-ENVE	Max	68,106	2,816E-20	-41,9481	-12,1552	20,7893	-1,4763	-52,627
680	680	1024	SLU-ENVE	Max	-61,943	2,358E-20	-107,925	-34,353	19,2355	-29,6273	-
											112,6506
680	680	904	SLU-ENVE	Max	-50,623	0	-96,0665	3,312	22,0229	7,9737	-
											100,7282
680	680	1099	SLU-ENVE	Max	49,994	3,114E-20	-52,1906	-0,8603	23,5767	8,3251	-61,3759
680	680	1305	SLU-ENVE	Min	73,289	2,465E-20	-54,5785	-16,0385	12,6924	-12,234	-58,383
680	680	1024	SLU-ENVE	Min	-60,684	3,021E-20	-129,5151	-42,2434	12,0222	-40,6176	-
											131,1409

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
680	680	904	SLU-ENVE	Min	-81,39	4,757E-20	-119,5465	2,8325	12,7479	4,1463	-120,8603
680	680	1099	SLU-ENVE	Min	75,159	5,416E-20	-66,647	-1,0598	13,4182	1,5791	-69,286
680	680	1305	SLE-ENVE	Max	68,31	1,593E-20	-30,016	-7,603	11,0425	-3,0767	-34,5423
680	680	1024	SLE-ENVE	Max	-62,593	1,417E-20	-65,6702	-20,7452	10,3732	-18,4656	-67,9497
680	680	904	SLE-ENVE	Max	-22,33	0	-57,474	2,0654	11,6368	4,259	-59,6675
680	680	1099	SLE-ENVE	Max	44,804	1,821E-20	-35,1525	-0,534	12,3061	3,3946	-39,0812
680	680	1305	SLE-ENVE	Min	73,238	1,441E-20	-36,7344	-10,1734	6,8879	-8,4934	-38,4144
680	680	1024	SLE-ENVE	Min	-60,934	1,777E-20	-77,8445	-24,9766	6,5995	-24,1652	-78,6559
680	680	904	SLE-ENVE	Min	-78,12	1,799E-20	-71,3618	1,7299	6,8917	2,374	-72,0059
680	680	1099	SLE-ENVE	Min	69,258	2,32E-20	-43,7271	-0,6705	7,1802	0,4953	-44,8929
702	702	1028	SLU-ENVE	Max	-64,315	0	-45,0082	-8,8238	14,7162	-3,5944	-50,2376
702	702	1078	SLU-ENVE	Max	-58,885	0	-39,1769	-7,1252	11,5845	-3,3766	-42,9255
702	702	1077	SLU-ENVE	Max	-55,663	0	-48,9844	-9,7683	11,9677	-6,4045	-52,3481
702	702	1027	SLU-ENVE	Max	-62,848	0	-62,2811	-12,7705	15,0995	-8,5289	-66,5227
702	702	1028	SLU-ENVE	Min	-60,097	0	-50,8615	-9,9915	9,3681	-7,9464	-52,9066
702	702	1078	SLU-ENVE	Min	-55,831	0	-43,0254	-8,1396	7,3272	-6,6631	-44,5019
702	702	1077	SLU-ENVE	Min	-56,699	0	-53,4782	-10,6693	7,5585	-9,374	-54,7736
702	702	1027	SLU-ENVE	Min	-62,068	0	-68,5694	-14,1496	9,5995	-12,5059	-70,2131
702	702	1028	SLE-ENVE	Max	-66,574	0	-32,6568	-6,4296	8,1651	-4,0953	-34,991
702	702	1078	SLE-ENVE	Max	-60,755	0	-27,0122	-5,1715	6,421	-3,4236	-28,76
702	702	1077	SLE-ENVE	Max	-59,111	0	-31,327	-6,2484	6,6331	-4,6021	-32,9733
702	702	1027	SLE-ENVE	Max	-67,072	0	-39,8251	-8,147	8,3772	-6,0681	-41,904
702	702	1028	SLE-ENVE	Min	-62,057	0	-33,7013	-6,665	5,2024	-5,6985	-34,6678
702	702	1078	SLE-ENVE	Min	-57,266	0	-28,1548	-5,354	4,0669	-4,6503	-28,8585
702	702	1077	SLE-ENVE	Min	-58,164	0	-35,159	-7,0374	4,1979	-6,4241	-35,7723
702	702	1027	SLE-ENVE	Min	-64,195	0	-43,2984	-8,9063	5,3334	-8,0982	-44,1065
703	703	1027	SLU-ENVE	Max	-59,572	0	-62,2799	-12,7645	15,3327	-8,4012	-66,6433
703	703	1077	SLU-ENVE	Max	-63,32	0	-48,9786	-9,7394	12,0938	-6,3115	-52,4066
703	703	1076	SLU-ENVE	Max	-56,062	0	-58,0068	-11,8008	11,4969	-9,0982	-60,7094
703	703	1026	SLU-ENVE	Max	-54,043	0	-74,5145	-13,7875	14,7359	-10,4007	-77,9013
703	703	1027	SLU-ENVE	Min	-58,946	0	-68,5624	-14,1145	9,8238	-12,3962	-70,2807
703	703	1077	SLU-ENVE	Min	-62,575	0	-53,4706	-10,6313	7,6724	-9,2986	-54,8032
703	703	1076	SLU-ENVE	Min	-58,76	0	-67,0948	-13,9587	7,2768	-12,9802	-68,0733
703	703	1026	SLU-ENVE	Min	-56,58	0	-85,3925	-15,584	9,4281	-14,3331	-86,6435
703	703	1027	SLE-ENVE	Max	-63,315	0	-39,8259	-8,1509	8,5072	-6,0107	-41,9661
703	703	1077	SLE-ENVE	Max	-67,348	0	-31,3235	-6,2308	6,7055	-4,5513	-33,003
703	703	1076	SLE-ENVE	Max	-58,93	0	-36,3637	-7,3856	6,3559	-6,0528	-37,6964
703	703	1026	SLE-ENVE	Max	-56,659	0	-46,6092	-8,6614	8,1576	-6,9821	-48,2885
703	703	1027	SLE-ENVE	Min	-60,8	0	-43,2953	-8,8908	5,4639	-8,0439	-44,1422
703	703	1077	SLE-ENVE	Min	-64,46	0	-35,1528	-7,0062	4,2666	-6,3736	-35,7853
703	703	1076	SLE-ENVE	Min	-59,873	0	-43,3521	-8,9827	4,036	-8,5152	-43,8196
703	703	1026	SLE-ENVE	Min	-57,711	0	-52,6488	-9,7606	5,2333	-9,1312	-53,2782
704	704	1026	SLU-ENVE	Max	-59,297	0	-74,3648	-13,0391	13,3568	-10,2562	-77,1476
704	704	1076	SLU-ENVE	Max	-51,806	0	-58,0328	-11,9311	10,5372	-9,6369	-60,3271
704	704	1075	SLU-ENVE	Max	-54,19	0	-64,7307	-13,5677	11,8108	-10,9728	-67,3256

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
704	704	1025	SLU-ENVE	Max	-67,422	0	-88,592	-23,3084	14,6304	-20,1796	-91,7208
704	704	1026	SLU-ENVE	Min	-60,939	0	-85,1954	-14,5982	8,4833	-13,5932	-86,2005
704	704	1076	SLU-ENVE	Min	-54,807	0	-67,1278	-14,1237	6,5509	-13,3261	-67,9255
704	704	1075	SLU-ENVE	Min	-59,108	0	-77,4958	-16,0645	7,7214	-15,1089	-78,4514
704	704	1025	SLU-ENVE	Min	-68,403	0	-103,9417	-28,2571	9,6537	-27,0451	-
											105,1536
704	704	1026	SLE-ENVE	Max	-63,1	0	-46,52	-8,2152	7,3498	-6,8534	-47,8818
704	704	1076	SLE-ENVE	Max	-54,007	0	-36,379	-7,4623	5,7887	-6,3465	-37,4947
704	704	1075	SLE-ENVE	Max	-56,947	0	-39,9728	-8,358	6,5352	-7,0603	-41,2705
704	704	1025	SLE-ENVE	Max	-71,853	0	-54,6406	-14,2409	8,0963	-12,6787	-56,2028
704	704	1026	SLE-ENVE	Min	-62,511	0	-52,5354	-9,2525	4,6818	-8,7519	-53,036
704	704	1076	SLE-ENVE	Min	-55,647	0	-43,3712	-9,0783	3,6054	-8,7033	-43,7461
704	704	1075	SLE-ENVE	Min	-60,084	0	-48,9331	-10,1394	4,3027	-9,6679	-49,4046
704	704	1025	SLE-ENVE	Min	-70,399	0	-63,5583	-16,8897	5,3791	-16,2777	-64,1703
706	706	1024	SLU-ENVE	Max	-48,674	3,089E-20	-108,2631	-34,4206	19,5102	-29,5827	-113,101
706	706	1074	SLU-ENVE	Max	48,971	1,939E-20	-69,7997	-13,7578	14,9827	-10,0037	-73,5538
706	706	910	SLU-ENVE	Max	31,968	3,587E-20	-99,0868	-11,791	14,7034	-9,381	-
											101,4968
706	706	904	SLU-ENVE	Max	-28,615	2,73E-20	-95,6613	3,4221	19,2308	7,0237	-99,2629
706	706	1024	SLU-ENVE	Min	-49,391	4,02E-20	-129,9696	-42,3343	12,7292	-40,5228	-
											131,7811
706	706	1074	SLU-ENVE	Min	53,505	1,683E-20	-87,9886	-17,0898	10,1715	-15,6594	-89,419
706	706	910	SLU-ENVE	Min	35,273	2,65E-20	-129,874	-15,4702	9,7344	-14,6478	-
											130,6963
706	706	904	SLU-ENVE	Min	-37,37	2,889E-20	-118,9959	2,9136	12,2921	4,1406	-
											120,2229
706	706	1024	SLE-ENVE	Max	-49,043	1,832E-20	-65,8652	-20,7842	10,8225	-18,3206	-68,3287
706	706	1074	SLE-ENVE	Max	49,583	1,174E-20	-42,5248	-8,4048	8,4882	-6,4098	-44,5198
706	706	910	SLE-ENVE	Max	32,824	2,088E-20	-59,3661	-7,059	8,2458	-5,7899	-60,6352
706	706	904	SLE-ENVE	Max	-29,663	1,565E-20	-57,2431	2,1342	10,5801	3,9631	-59,072
706	706	1024	SLE-ENVE	Min	-49,428	2,365E-20	-78,12	-25,028	7,1598	-24,0794	-79,0686
706	706	1074	SLE-ENVE	Min	53,506	1,007E-20	-54,2148	-10,5925	5,8052	-9,8332	-54,9741
706	706	910	SLE-ENVE	Min	35,813	1,563E-20	-78,0727	-9,2923	5,5139	-8,8531	-78,5119
706	706	904	SLE-ENVE	Min	-37,791	1,692E-20	-71,0158	1,776	6,8686	2,4185	-71,6583
905	905	1003	SLU-ENVE	Max	28,391	0	-49,0308	-9,6324	-8,8069	-7,7534	-50,9099
905	905	2061	SLU-ENVE	Max	35,204	0	-29,3344	-7,5605	-	-1,9453	-34,9496
									12,4014		
905	905	2062	SLU-ENVE	Max	31,609	0	-35,8429	-7,4292	-	-2,2914	-40,9808
									13,1294		
905	905	1002	SLU-ENVE	Max	20,33	0	-63,5509	-12,9844	-9,5349	-11,2462	-65,2891
905	905	1003	SLU-ENVE	Min	30,622	0	-69,8759	-13,6877	-	-7,8729	-75,6907
									18,9878		
905	905	2061	SLU-ENVE	Min	30,025	0	-51,0235	-11,7068	-	-2,7545	-59,9758
									20,7874		

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
905	905	2062	SLU-ENVE	Min	26,694	0	-67,8248	-13,7487	-	-5,9777	-75,5958
									21,9229		
905	905	1002	SLU-ENVE	Min	26,518	0	-100,9175	-20,8462	-	-16,0734	-
									20,1232		105,6902
905	905	1003	SLE-ENVE	Max	28,477	0	-25,4211	-4,9877	-4,8935	-3,8762	-26,5326
905	905	2061	SLE-ENVE	Max	35,501	0	-15,0708	-3,9261	-6,8905	-0,6368	-18,3602
905	905	2062	SLE-ENVE	Max	31,927	0	-18,6859	-3,8719	-7,2963	-0,8818	-21,6759
905	905	1002	SLE-ENVE	Max	21,053	0	-33,6314	-6,8798	-5,2993	-5,8683	-34,6429
905	905	1003	SLE-ENVE	Min	29,948	0	-37,6482	-7,3706	-	-4,0614	-40,9574
									10,5426		
905	905	2061	SLE-ENVE	Min	32,424	0	-27,3223	-6,2995	-	-1,1994	-32,4224
									11,5425		
905	905	2062	SLE-ENVE	Min	29,983	0	-36,6574	-7,4339	-	-3,0327	-41,0587
									12,1652		
905	905	1002	SLE-ENVE	Min	25,866	0	-54,8925	-11,3444	-	-8,6486	-57,5883
									11,1653		
906	906	2061	SLU-ENVE	Max	34,577	0	-29,3029	-7,5588	-	-0,0575	-36,8042
									14,8115		
906	906	1382	SLU-ENVE	Max	33,99	0	-9,8214	-5,6543	-	9,0323	-24,508
									16,6402		
906	906	1361	SLU-ENVE	Max	28,233	0	-8,3467	-1,9395	-	12,9223	-23,2085
									17,7791		
906	906	2062	SLU-ENVE	Max	29,935	0	-35,8636	-7,4334	-	-0,283	-43,0139
									15,9504		
906	906	2061	SLU-ENVE	Min	28,76	0	-50,9817	-11,6984	-	-2,0207	-60,6594
									21,7677		
906	906	1382	SLU-ENVE	Min	27,336	0	-31,7266	-10,1191	-	3,8034	-45,6492
									22,2412		
906	906	1361	SLU-ENVE	Min	24,813	0	-38,1599	-7,5942	-	5,2011	-50,9553
									23,5546		
906	906	2062	SLU-ENVE	Min	26,041	0	-67,8586	-13,7554	-	-5,2468	-76,3672
									23,0811		
906	906	2061	SLE-ENVE	Max	34,843	0	-15,0533	-3,9252	-8,2298	0,445	-19,4235
906	906	1382	SLE-ENVE	Max	34,591	0	-4,8539	-2,9453	-9,2457	5,3952	-13,1945
906	906	1361	SLE-ENVE	Max	28,907	0	-4,0331	-0,9355	-9,8792	7,5156	-12,4841
906	906	2062	SLE-ENVE	Max	30,365	0	-18,6973	-3,8742	-8,8633	0,268	-22,8395
906	906	2061	SLE-ENVE	Min	31,619	0	-27,2991	-6,2948	-	-0,7843	-32,8096
									12,0876		
906	906	1382	SLE-ENVE	Min	30,011	0	-16,7259	-5,4424	-	2,4941	-24,6624
									12,3507		
906	906	1361	SLE-ENVE	Min	26,961	0	-20,2989	-4,0404	-	3,2235	-27,5627
									13,0714		
906	906	2062	SLE-ENVE	Min	28,573	0	-36,676	-7,4377	-	-2,6204	-41,4932
									12,8083		
907	907	1002	SLU-ENVE	Max	22,448	0	-63,5594	-13,0268	-9,1937	-11,4061	-65,1801
907	907	2062	SLU-ENVE	Max	26,541	0	-35,8289	-7,3591	-	-2,4081	-40,7799
									12,8634		
907	907	2063	SLU-ENVE	Max	20,084	0	-43,6702	-6,8024	-	-2,9104	-47,5622
									12,5951		
907	907	1001	SLU-ENVE	Max	8,615	0	-77,0748	-14,355	-8,9254	-13,1096	-78,3202
907	907	1002	SLU-ENVE	Min	16,048	0	-100,899	-20,754	-	-15,9904	-
									20,1114		105,6626
907	907	2062	SLU-ENVE	Min	6,109	0	-67,792	-13,5847	-	-5,8133	-75,5634
									21,9468		
907	907	2063	SLU-ENVE	Min	-34,106	0	-86,7757	-15,2338	-	-9,2469	-92,7627
									21,5444		

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Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
907	907	1001	SLU-ENVE	Min	-57,778	0	-129,8146	-23,7767	-	-20,232	-
									19,7089		133,3594
907	907	1002	SLE-ENVE	Max	23,017	0	-33,6361	-6,9036	-5,113	-5,959	-34,5807
907	907	2062	SLE-ENVE	Max	27,555	0	-18,678	-3,8328	-7,1507	-0,9487	-21,5621
907	907	2063	SLE-ENVE	Max	22,024	0	-23,0225	-3,5124	-7,0007	-1,2604	-25,2746
907	907	1001	SLE-ENVE	Max	11,616	0	-41,1256	-7,6315	-4,963	-6,9116	-41,8455
907	907	1002	SLE-ENVE	Min	21,815	0	-54,8819	-11,2914	-	-8,6057	-57,5676
									11,1483		
907	907	2062	SLE-ENVE	Min	17,883	0	-36,6392	-7,3431	-	-2,9495	-41,0328
									12,1663		
907	907	2063	SLE-ENVE	Min	0,747	0	-47,1744	-8,2617	-	-4,8976	-50,5385
									11,9258		
907	907	1001	SLE-ENVE	Min	-30,362	0	-70,9482	-12,9867	-	-11,0019	-72,933
									10,9079		
908	908	2062	SLU-ENVE	Max	24,218	0	-35,8496	-7,3633	-	-0,3038	-42,909
									15,8409		
908	908	1361	SLU-ENVE	Max	24,491	0	-8,3567	-1,9895	-	12,9968	-23,343
									17,8888		
908	908	1340	SLU-ENVE	Max	20,147	0	-7,591	1,3553	-	14,8946	-21,1303
									17,4482		
908	908	2063	SLU-ENVE	Max	19,294	0	-43,6381	-6,796	-	-1,2066	-49,2276
									15,4003		
908	908	2062	SLU-ENVE	Min	10,282	0	-67,8258	-13,5915	-23,206	-5,0175	-76,3998
908	908	1361	SLU-ENVE	Min	20,697	0	-38,154	-7,5648	-	5,4447	-51,1635
									23,8158		
908	908	1340	SLU-ENVE	Min	16,412	0	-45,5502	-6,5969	-23,362	4,3422	-56,4894
908	908	2063	SLU-ENVE	Min	-20,242	0	-86,7093	-15,2205	-	-8,5937	-93,3361
									22,7521		
908	908	2062	SLE-ENVE	Max	25,412	0	-18,6895	-3,8351	-8,8038	0,2559	-22,7805
908	908	1361	SLE-ENVE	Max	25,49	0	-4,0386	-0,9633	-9,9404	7,5576	-12,5596
908	908	1340	SLE-ENVE	Max	21,108	0	-3,6073	0,9167	-9,6938	8,6089	-11,2995
908	908	2063	SLE-ENVE	Max	20,714	0	-23,0049	-3,5089	-8,5571	-0,2858	-26,2279
908	908	2062	SLE-ENVE	Min	17,897	0	-36,6579	-7,3468	-	-2,501	-41,5036
									12,8653		
908	908	1361	SLE-ENVE	Min	23,749	0	-20,2957	-4,0245	-	3,3485	-27,6686
									13,2033		
908	908	1340	SLE-ENVE	Min	22,1	0	-24,4014	-3,4818	-	2,6913	-30,5745
									12,9324		
908	908	2063	SLE-ENVE	Min	9,024	0	-47,1381	-8,2544	-	-4,5316	-50,861
									12,5944		
909	909	1001	SLU-ENVE	Max	-0,752	0	-76,9547	-13,7545	-9,3682	-12,3951	-78,3141
909	909	2063	SLU-ENVE	Max	-2,517	0	-43,7357	-7,1296	-	-3,2273	-47,638
									12,5729		
909	909	2064	SLU-ENVE	Max	-46,3	0	-50,2878	-13,1879	-	-10,5772	-52,8985
									10,1819		
909	909	1000	SLU-ENVE	Max	-61,807	0	-94,133	-23,9044	-6,9772	-23,2179	-94,8195
909	909	1001	SLU-ENVE	Min	-61,586	0	-129,5797	-22,6019	-	-19,1732	-
									19,4564		133,0084
909	909	2063	SLU-ENVE	Min	-39,173	0	-86,8814	-15,7621	-	-10,0192	-92,6243
									21,0098		
909	909	2064	SLU-ENVE	Min	-64,312	0	-102,135	-24,849	-	-20,2509	-
									19,4038		106,7331
909	909	1000	SLU-ENVE	Min	-73,932	0	-161,1684	-42,66	-	-40,0297	-
									17,8504		163,7987
909	909	1001	SLE-ENVE	Max	3,526	0	-41,0583	-7,2948	-5,2042	-6,5109	-41,8422
909	909	2063	SLE-ENVE	Max	2,933	0	-23,0587	-3,6932	-6,9814	-1,4388	-25,3131

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
909	909	2064	SLE-ENVE	Max	-39,354	0	-26,6745	-7,037	-5,667	-5,5189	-28,1925
909	909	1000	SLE-ENVE	Max	-58,915	0	-50,5715	-12,9589	-3,8897	-12,5608	-50,9696
909	909	1001	SLE-ENVE	Min	-24,828	0	-70,819	-12,3406	-	-10,4286	-72,731
909	909	2063	SLE-ENVE	Min	-28,749	0	-47,2326	-8,5524	10,7456	-	-50,4463
909	909	2064	SLE-ENVE	Min	-63,686	0	-55,7099	-13,5836	11,6033	-5,3387	-58,2641
909	909	1000	SLE-ENVE	Min	-73,71	0	-88,3049	-23,3981	10,6829	-11,0294	-89,7596
910	910	2063	SLU-ENVE	Max	-0,465	0	-43,7036	-7,1232	-9,8252	-2,0739	-48,7529
910	910	1340	SLU-ENVE	Max	8,982	0	-7,61	1,2601	14,4983	13,759	-20,109
910	910	1319	SLU-ENVE	Max	6,636	0	-11,2771	-4,5232	16,3429	7,1035	-22,9038
910	910	2064	SLU-ENVE	Max	-26,365	0	-50,452	-13,2207	14,6187	-9,2594	-54,4133
910	910	2063	SLU-ENVE	Min	-36,673	0	-86,8149	-15,7488	21,6996	-9,6469	-92,9168
910	910	1340	SLU-ENVE	Min	-22,302	0	-45,5863	-6,7509	22,3277	3,4215	-55,7587
910	910	1319	SLU-ENVE	Min	-59,918	0	-56,8763	-13,7281	21,2018	-5,054	-65,5504
910	910	2064	SLU-ENVE	Min	-59,719	0	-102,4161	-24,9052	20,5736	-19,7829	-
910	910	2063	SLE-ENVE	Max	3,612	0	-23,041	-3,6896	-8,0537	-0,7764	107,5384
910	910	1340	SLE-ENVE	Max	11,023	0	-3,618	0,8633	-9,0784	7,9735	-25,9543
910	910	1319	SLE-ENVE	Max	12,058	0	-5,6484	-2,3161	-8,1292	4,3159	-10,7282
910	910	2064	SLE-ENVE	Max	-10,601	0	-26,7655	-7,0552	-7,1045	-4,7613	-12,2804
910	910	2063	SLE-ENVE	Min	-24,755	0	-47,1962	-8,5452	11,9852	-5,1304	-29,0593
910	910	1340	SLE-ENVE	Min	-8,54	0	-24,4212	-3,5684	12,3326	-	-50,611
910	910	1319	SLE-ENVE	Min	-54,541	0	-30,6882	-7,4486	11,6749	2,1546	-30,1442
910	910	2064	SLE-ENVE	Min	-56,566	0	-55,8644	-13,6145	11,3275	-2,5965	-35,5403
913	913	999	SLU-ENVE	Max	-78,745	0	-114,7089	-35,2632	-7,4378	-10,7691	-58,7098
913	913	2065	SLU-ENVE	Max	84,559	0	-56,536	-17,7047	10,8146	-34,5728	-
913	913	2066	SLU-ENVE	Max	89,742	1,064E-20	-67,0216	-0,4969	11,0737	-14,896	115,3992
913	913	902	SLU-ENVE	Max	-77,949	1,074E-20	-113,1405	0,318	-7,697	0,8378	-59,3447
913	913	999	SLU-ENVE	Min	-79,445	1,403E-20	-199,6628	-63,2447	19,8903	-60,4038	-
913	913	2065	SLU-ENVE	Min	-86,619	1,412E-20	-117,1513	-33,3613	21,5406	-28,148	202,5037
913	913	2066	SLU-ENVE	Min	-86,507	2,396E-20	-138,5539	-0,8597	23,5933	3,0707	-
913	913	902	SLU-ENVE	Min	-81,163	2,359E-20	-202,2779	0,1953	21,9431	2,5461	142,4844
913	913	999	SLE-ENVE	Max	-79,256	0	-61,8264	-19,1357	-4,1793	-18,7304	-62,2317
913	913	2065	SLE-ENVE	Max	84,253	0	-30,1743	-9,4865	-6,0658	-7,8391	-31,8216
913	913	2066	SLE-ENVE	Max	89,553	0	-35,9955	-0,2666	-6,2482	0,7946	-37,0567
913	913	902	SLE-ENVE	Max	-79,12	0	-61,4529	0,1594	-4,3617	0,4666	-61,7601

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Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
913	913	999	SLE-ENVE	Min	-78,5	0	-109,6009	-34,7504	-	-33,2147	-
913	913	2065	SLE-ENVE	Min	-86,873	0	-64,0655	-18,2932	10,8307	-	111,1366
913	913	2066	SLE-ENVE	Min	-86,84	1,25E-20	-75,9171	-0,4699	11,7727	-15,4428	-66,9159
913	913	902	SLE-ENVE	Min	-81,032	1,235E-20	-111,3546	0,0849	12,8667	1,664	-78,051
914	914	2065	SLU-ENVE	Max	86,771	0	-56,8404	-17,7656	11,9248	-	-
914	914	1174	SLU-ENVE	Max	-77,715	0	-10,6617	-4,1253	13,4548	9,3967	-24,1836
914	914	1123	SLU-ENVE	Max	-74,367	1,393E-20	-12,0411	-0,113	19,3195	14,1421	-26,2962
914	914	2066	SLU-ENVE	Max	-82,82	1,25E-20	-66,909	-0,4744	16,3054	3,3118	-70,6951
914	914	2065	SLU-ENVE	Min	-84,7	1,261E-20	-117,6565	-33,4624	22,7526	-27,7071	-
914	914	1174	SLU-ENVE	Min	-79,064	1,355E-20	-62,4178	-14,5383	23,9801	-4,5936	123,4118
914	914	1123	SLU-ENVE	Min	-80,421	2,799E-20	-70,9466	-0,3632	27,4282	9,042	-72,3625
914	914	2066	SLU-ENVE	Min	-84,827	2,721E-20	-138,3353	-0,816	26,2008	4,0068	-80,3517
914	914	2065	SLE-ENVE	Max	86,461	0	-30,3374	-9,5191	10,8015	-	-143,158
914	914	1174	SLE-ENVE	Max	-77,559	0	-5,3341	-2,0818	7,5312	-7,0803	-32,7762
914	914	1123	SLE-ENVE	Max	-75,204	0	-6,0544	-0,0578	9,1939	5,6286	-13,0445
914	914	2066	SLE-ENVE	Max	-82,982	0	-35,9394	-0,2554	10,8015	8,1538	-14,266
914	914	2065	SLE-ENVE	Min	-85,062	0	-64,3413	-18,3484	9,1388	1,9489	-38,1438
914	914	1174	SLE-ENVE	Min	-78,468	0	-33,7725	-7,9201	12,4476	-15,1956	-67,494
914	914	1123	SLE-ENVE	Min	-80,128	1,459E-20	-38,4653	-0,197	13,1181	-2,4297	-39,2629
914	914	2066	SLE-ENVE	Min	-84,946	1,413E-20	-75,8002	-0,4465	14,9749	4,9663	-43,6285
981	981	1380	SLU-ENVE	Max	44,671	0	-4,6508	-4,5993	14,3045	2,1775	-78,4242
981	981	2110	SLU-ENVE	Max	40,219	0	-14,9113	-5,1979	10,3926	5,7676	-15,0177
981	981	2112	SLU-ENVE	Max	33,432	0	-16,8201	-3,3911	10,3678	1,3944	-21,5036
981	981	1359	SLU-ENVE	Max	33,697	0	-1,3505	-0,4316	11,4056	3,1296	-23,3408
981	981	1380	SLU-ENVE	Min	-39,806	0	-32,4087	-6,8403	11,4303	10,5485	-12,3306
981	981	2110	SLU-ENVE	Min	-39,859	0	-35,4074	-7,4797	10,5485	-6,1253	-33,1236
981	981	2112	SLU-ENVE	Min	-41,417	0	-43,1746	-8,1232	10,5485	-6,5532	-36,3338
981	981	1359	SLU-ENVE	Min	-41,187	0	-39,1402	-7,3108	10,5485	-5,1704	-6,5532
981	981	1380	SLE-ENVE	Max	45,999	0	-2,4855	-1,952	10,5485	3,5613	-7,9988
981	981	2110	SLE-ENVE	Max	40,427	0	-8,0333	-2,3018	5,76	1,266	-11,601
981	981	2112	SLE-ENVE	Max	32,423	0	-9,0936	-1,8248	6,3343	1,8437	-12,7621
981	981	1359	SLE-ENVE	Max	32,836	0	-0,6524	-0,2089	6,3482	5,9214	-6,7827
981	981	1380	SLE-ENVE	Min	-40,443	0	-14,9175	-3,4364	6,3482	-2,4021	-2,9541
981	981	2110	SLE-ENVE	Min	-40,447	0	-16,6788	-3,8008	6,3482	-2,866	-2,9541
981	981	2112	SLE-ENVE	Min	-41,84	0	-20,9937	-3,9382	6,3482	-2,864	-3,1918
981	981	1359	SLE-ENVE	Min	-41,682	0	-18,6578	-3,4709	6,3482	-2,4004	-3,1006
982	982	2110	SLU-ENVE	Max	38,066	0	-14,9194	-5,1981	10,0395	1,0955	-21,213
982	982	2111	SLU-ENVE	Max	33,3	0	-26,2256	-5,8923	9,3879	-2,2208	-29,897
982	982	2113	SLU-ENVE	Max	23,998	0	-33,9086	-6,7111	10,4284	-3,1728	-37,4469



AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
982	982	2112	SLU-ENVE	Max	29,876	0	-16,8195	-3,391	11,08	2,8503	-23,0608
982	982	2110	SLU-ENVE	Min	-40,803	0	-35,4087	-7,4808	-6,036	-6,2321	-36,6574
982	982	2111	SLU-ENVE	Min	-45,772	0	-38,5404	-8,2503	-7,0074	-6,7077	-40,0829
982	982	2113	SLU-ENVE	Min	-45,735	0	-47,5317	-9,0288	-7,0782	-7,7688	-48,7917
982	982	2112	SLU-ENVE	Min	-41,429	0	-43,1738	-8,1231	-6,1068	-7,0896	-44,2073
982	982	2110	SLE-ENVE	Max	37,842	0	-8,0377	-2,3019	5,5775	1,1018	-11,4414
982	982	2111	SLE-ENVE	Max	32,217	0	-14,1506	-2,7156	5,2155	-0,6941	-16,172
982	982	2113	SLE-ENVE	Max	21,682	0	-18,4181	-3,638	5,7912	-1,6391	-20,4169
982	982	2112	SLE-ENVE	Max	28,402	0	-9,0932	-1,8248	6,1533	1,6873	-12,6053
982	982	2110	SLE-ENVE	Min	-41,118	0	-16,6795	-3,8015	-3,3469	-2,9836	-17,4974
982	982	2111	SLE-ENVE	Min	-45,369	0	-18,5697	-4,2451	-3,8863	-3,2587	-19,5561
982	982	2113	SLE-ENVE	Min	-45,342	0	-23,5638	-4,5219	-3,9217	-3,7459	-24,3399
982	982	2112	SLE-ENVE	Min	-41,692	0	-20,9933	-3,9381	-3,3824	-3,2918	-21,6396
983	983	2111	SLU-ENVE	Max	28,343	0	-26,2274	-5,892	8,501	-2,8064	-29,313
983	983	1381	SLU-ENVE	Max	21,58	0	-38,3416	-6,6917	7,2225	-5,1214	-39,9118
983	983	1360	SLU-ENVE	Max	22,531	0	-49,9568	-9,6006	8,083	-8,0419	-51,5155
983	983	2113	SLU-ENVE	Max	27,101	0	-33,9219	-6,7138	9,3615	-3,804	-36,8318
983	983	2111	SLU-ENVE	Min	-45,431	0	-38,5391	-8,2505	-7,9944	-6,2699	-40,5197
983	983	1381	SLU-ENVE	Min	-42,806	0	-45,067	-9,2464	-9,1172	-7,0594	-47,2541
983	983	1360	SLU-ENVE	Min	-46,68	0	-57,7404	-11,3222	-9,3067	-9,5258	-59,5368
983	983	2113	SLU-ENVE	Min	-49,143	0	-47,5399	-9,0304	-8,1839	-7,3634	-49,2069
983	983	2111	SLE-ENVE	Max	26,87	0	-14,1516	-2,7154	4,7226	-1,0174	-15,8497
983	983	1381	SLE-ENVE	Max	19,733	0	-20,078	-3,1983	4,0123	-2,2932	-20,9831
983	983	1360	SLE-ENVE	Max	20,198	0	-25,2421	-4,8468	4,4883	-3,9027	-26,1861
983	983	2113	SLE-ENVE	Max	24,954	0	-18,4254	-3,6395	5,1986	-1,9946	-20,0703
983	983	2111	SLE-ENVE	Min	-44,907	0	-18,569	-4,2452	-4,4346	-2,9834	-19,8307
983	983	1381	SLE-ENVE	Min	-42,553	0	-23,436	-4,8216	-5,058	-3,536	-24,7216
983	983	1360	SLE-ENVE	Min	-45,836	0	-30,4748	-5,9785	-5,1586	-4,9364	-31,5169
983	983	2113	SLE-ENVE	Min	-48,075	0	-23,5683	-4,5232	-4,5352	-3,4984	-24,5931
984	984	1359	SLU-ENVE	Max	32,691	0	-1,3717	-0,5374	11,666	10,7189	-12,628
984	984	2112	SLU-ENVE	Max	16,824	0	-16,8252	-3,4165	11,629	3,3023	-23,544
984	984	2114	SLU-ENVE	Max	14,414	0	-19,1182	-1,5002	11,0071	3,7888	-24,4073
984	984	1338	SLU-ENVE	Max	29,484	0	1,5688	3,7441	11,0441	13,754	-8,4411
984	984	1359	SLU-ENVE	Min	-42,118	0	-39,1391	-7,3051	-4,3449	-6,7228	-39,7215
984	984	2112	SLU-ENVE	Min	-42,287	0	-43,1724	-8,112	-5,203	-7,3562	-43,9282
984	984	2114	SLU-ENVE	Min	-45,19	0	-51,1202	-10,9661	-5,2939	-10,2799	-51,8064
984	984	1338	SLU-ENVE	Min	-44,999	0	-45,9945	-9,8104	-4,4358	-9,2746	-46,5304
984	984	1359	SLE-ENVE	Max	31,732	0	-0,6642	-0,2676	6,476	6,0131	-6,9449
984	984	2112	SLE-ENVE	Max	14,015	0	-9,0964	-1,839	6,455	1,9374	-12,8727
984	984	2114	SLE-ENVE	Max	11,074	0	-10,3715	-0,7648	6,1056	2,2004	-13,3367
984	984	1338	SLE-ENVE	Max	27,276	0	0,9672	2,1211	6,1266	7,6978	-4,6095
984	984	1359	SLE-ENVE	Min	-42,666	0	-18,6572	-3,4677	-2,4002	-3,0974	-19,0274
984	984	2112	SLE-ENVE	Min	-42,63	0	-20,9925	-3,9318	-2,876	-3,46	-21,4642
984	984	2114	SLE-ENVE	Min	-44,933	0	-25,4039	-5,5383	-2,9198	-5,118	-25,8242
984	984	1338	SLE-ENVE	Min	-44,976	0	-22,4638	-4,8843	-2,444	-4,5508	-22,7973
985	985	2112	SLU-ENVE	Max	14,051	0	-16,8246	-3,4164	11,31	3,0272	-23,2681
985	985	2113	SLU-ENVE	Max	23,485	0	-33,8816	-6,5762	10,648	-2,9148	-37,5429
985	985	2115	SLU-ENVE	Max	20,165	0	-41,943	-7,2708	9,9854	-4,6006	-44,6132
985	985	2114	SLU-ENVE	Max	9,223	0	-19,1124	-1,4991	10,6475	3,5119	-24,1233
985	985	2112	SLU-ENVE	Min	-42,321	0	-43,1716	-8,1119	-6,1281	-7,0716	-44,2119
985	985	2113	SLU-ENVE	Min	-37,62	0	-47,5183	-8,9618	-7,1235	-7,6878	-48,7924
985	985	2115	SLU-ENVE	Min	-39,086	0	-56,7213	-12,2326	-7,2116	-11,0928	-57,8611

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
985	985	2114	SLU-ENVE	Min	-43,132	0	-51,1223	-10,9666	-6,2162	-10,0263	-52,0626
985	985	2112	SLE-ENVE	Max	11,298	0	-9,096	-1,8389	6,2775	1,7833	-12,7183
985	985	2113	SLE-ENVE	Max	21,915	0	-18,4032	-3,5635	5,9094	-1,4978	-20,4689
985	985	2115	SLE-ENVE	Max	17,981	0	-22,8816	-3,9397	5,5371	-2,4399	-24,3815
985	985	2114	SLE-ENVE	Max	6,097	0	-10,3683	-0,7642	5,9052	2,0451	-13,1775
985	985	2112	SLE-ENVE	Min	-42,536	0	-20,992	-3,9317	-3,3894	-3,283	-21,6407
985	985	2113	SLE-ENVE	Min	-37,655	0	-23,5564	-4,4598	-3,9413	-3,6783	-24,3378
985	985	2115	SLE-ENVE	Min	-38,551	0	-28,6625	-6,2637	-3,9826	-5,5767	-29,3496
985	985	2114	SLE-ENVE	Min	-42,92	0	-25,4051	-5,5385	-3,4307	-4,9627	-25,9809
986	986	2113	SLU-ENVE	Max	25,335	0	-33,895	-6,5788	9,5151	-3,5912	-36,8826
986	986	1360	SLU-ENVE	Max	30,167	0	-49,9378	-9,5057	8,1503	-7,9246	-51,5189
986	986	1339	SLU-ENVE	Max	20,228	0	-60,2213	-12,4497	7,7624	-11,2201	-61,4509
986	986	2115	SLU-ENVE	Max	17,135	0	-41,8989	-7,2619	9,1271	-5,0041	-44,1568
986	986	2113	SLU-ENVE	Min	-40,33	0	-47,5265	-8,9634	-8,2609	-7,2683	-49,2216
986	986	1360	SLU-ENVE	Min	-43,567	0	-57,7014	-11,1271	-9,4541	-9,2812	-59,5473
986	986	1339	SLU-ENVE	Min	-30,416	0	-71,8824	-14,1491	-9,4191	-12,6513	-73,3802
986	986	2115	SLU-ENVE	Min	-29,535	0	-56,697	-12,2277	-8,2258	-10,7549	-58,1698
986	986	2113	SLE-ENVE	Max	23,768	0	-18,4105	-3,5649	5,2805	-1,8783	-20,0971
986	986	1360	SLE-ENVE	Max	27,312	0	-25,2314	-4,7935	4,5225	-3,8375	-26,1875
986	986	1339	SLE-ENVE	Max	15,997	0	-30,9359	-6,4416	4,3015	-5,7082	-31,6693
986	986	2115	SLE-ENVE	Max	15,429	0	-22,8573	-3,9349	5,0595	-2,667	-24,1252
986	986	2113	SLE-ENVE	Min	-39,639	0	-23,5609	-4,461	-4,5724	-3,4229	-24,599
986	986	1360	SLE-ENVE	Min	-42,288	0	-30,4531	-5,8697	-5,2339	-4,8017	-31,521
986	986	1339	SLE-ENVE	Min	-31,09	0	-38,3256	-7,5557	-5,2059	-6,6988	-39,1825
986	986	2115	SLE-ENVE	Min	-29,91	0	-28,6491	-6,261	-4,5444	-5,3738	-29,5363
987	987	1338	SLU-ENVE	Max	17,104	0	1,5804	3,8024	9,9264	12,6798	-7,297
987	987	2114	SLU-ENVE	Max	28,635	0	-19,1046	-1,4322	9,7333	2,8775	-23,4143
987	987	2116	SLU-ENVE	Max	45,362	0	-23,3389	-6,3847	9,3052	-2,2741	-27,4494
987	987	1317	SLU-ENVE	Max	31,442	0	0,5558	-2,087	9,4984	8,8242	-10,3554
987	987	1338	SLU-ENVE	Min	-46,6	0	-45,99	-9,7875	-4,5784	-9,2174	-46,56
987	987	2114	SLU-ENVE	Min	-41,619	0	-51,1113	-10,9216	-5,4313	-10,2005	-51,8323
987	987	2116	SLU-ENVE	Min	-55,952	0	-58,7555	-12,0911	-5,5127	-11,4487	-59,3979
987	987	1317	SLU-ENVE	Min	-57,065	0	-52,4345	-10,8196	-4,6598	-10,3042	-52,9499
987	987	1338	SLE-ENVE	Max	13,532	0	0,9737	2,1536	5,5009	7,0961	-3,9688
987	987	2114	SLE-ENVE	Max	25,664	0	-10,364	-0,7271	5,3932	1,6866	-12,7777
987	987	2116	SLE-ENVE	Max	42,207	0	-12,7181	-3,474	5,1493	-1,1766	-15,0154
987	987	1317	SLE-ENVE	Max	19,546	0	0,4013	-1,1122	5,257	4,9558	-5,6667
987	987	1338	SLE-ENVE	Min	-46,175	0	-22,4612	-4,8709	-2,5143	-4,5185	-22,8135
987	987	2114	SLE-ENVE	Min	-40,736	0	-25,399	-5,5133	-2,9857	-5,0747	-25,8376
987	987	2116	SLE-ENVE	Min	-50,004	0	-29,6374	-6,213	-3,0148	-5,8312	-30,0192
987	987	1317	SLE-ENVE	Min	-54,22	0	-26,0333	-5,5052	-2,5434	-5,1948	-26,3437
988	988	2114	SLU-ENVE	Max	23,666	0	-19,0988	-1,431	9,2787	2,5465	-23,0763
988	988	2115	SLU-ENVE	Max	-23,857	0	-41,9687	-7,3989	8,6104	-5,373	-43,9945
988	988	2117	SLU-ENVE	Max	-76,43	0	-50,1016	-10,8433	8,2631	-9,175	-51,77
988	988	2116	SLU-ENVE	Max	55,216	0	-23,3404	-6,385	8,9315	-2,5484	-27,177
988	988	2114	SLU-ENVE	Min	-38,036	0	-51,1134	-10,922	-6,4031	-9,9266	-52,1089
988	988	2115	SLU-ENVE	Min	-34,427	0	-56,7335	-12,2935	-7,417	-11,0883	-57,9387
988	988	2117	SLU-ENVE	Min	-50,268	0	-65,742	-13,2331	-7,4116	-12,207	-66,7681
988	988	2116	SLU-ENVE	Min	-84,609	0	-58,7512	-12,0903	-6,3976	-11,229	-59,6125
988	988	2114	SLE-ENVE	Max	20,111	0	-10,3607	-0,7265	5,1404	1,5011	-12,5883
988	988	2115	SLE-ENVE	Max	-22,458	0	-22,8957	-4,0103	4,7689	-2,8744	-24,0317
988	988	2117	SLE-ENVE	Max	-73,525	0	-27,4136	-5,923	4,5698	-4,9916	-28,3449

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

Table: Element Forces - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
988	988	2116	SLE-ENVE	Max	54,83	0	-12,7189	-3,4741	4,9413	-1,3303	-14,8628
988	988	2114	SLE-ENVE	Min	-37,464	0	-25,4001	-5,5136	-3,5241	-4,9075	-26,0062
988	988	2115	SLE-ENVE	Min	-34,004	0	-28,6693	-6,2977	-4,085	-5,5751	-29,3919
988	988	2117	SLE-ENVE	Min	-43,877	0	-33,662	-7,0372	-4,0642	-6,4307	-34,2686
988	988	2116	SLE-ENVE	Min	-75,713	0	-29,6352	-6,2125	-3,5033	-5,6998	-30,1479
989	989	2115	SLU-ENVE	Max	-24,815	0	-41,9246	-7,3901	7,9124	-5,6635	-43,6511
989	989	1339	SLU-ENVE	Max	-0,103	0	-60,2896	-12,7912	6,853	-11,8222	-61,2586
989	989	1318	SLU-ENVE	Max	77,986	0	-68,4978	-13,9807	6,0724	-13,3126	-69,166
989	989	2117	SLU-ENVE	Max	-74,79	0	-50,2179	-10,8666	7,1318	-9,6139	-51,4705
989	989	2115	SLU-ENVE	Min	-27,157	0	-56,7092	-12,2887	-8,3763	-10,7617	-58,2362
989	989	1339	SLU-ENVE	Min	-3,615	0	-72,0042	-14,7581	-9,4581	-13,236	-73,5263
989	989	1318	SLU-ENVE	Min	-74,318	0	-82,4183	-17,012	-9,7101	-15,6009	-83,8294
989	989	2117	SLU-ENVE	Min	-59,288	0	-65,8113	-13,247	-8,6283	-11,8669	-67,1914
989	989	2115	SLE-ENVE	Max	-22,62	0	-22,8715	-4,0054	4,3799	-3,0382	-23,8387
989	989	1339	SLE-ENVE	Max	-0,654	0	-30,9741	-6,6326	3,7907	-6,056	-31,5507
989	989	1318	SLE-ENVE	Max	80,993	0	-35,5058	-7,3138	3,3532	-6,9204	-35,8991
989	989	2117	SLE-ENVE	Max	-73,674	0	-27,4776	-5,9358	3,9425	-5,2369	-28,1764
989	989	2115	SLE-ENVE	Min	-27,391	0	-28,6559	-6,295	-4,6161	-5,3796	-29,5713
989	989	1339	SLE-ENVE	Min	-4,06	0	-38,3935	-7,8954	-5,2144	-7,0285	-39,2604
989	989	1318	SLE-ENVE	Min	-63,507	0	-44,1579	-9,1574	-5,3354	-8,3622	-44,9532
989	989	2117	SLE-ENVE	Min	-56,441	0	-33,7004	-7,0481	-4,7371	-6,2312	-34,5173
993	993	1172	SLU-ENVE	Max	54,658	0	2,5703	1,5062	10,3477	12,3996	-8,3231
993	993	2118	SLU-ENVE	Max	52,191	0	-25,1067	-4,2369	10,3019	-0,0083	-29,3353
993	993	2120	SLU-ENVE	Max	9,302	1,927E-20	-27,3314	0,087	14,5013	6,3335	-33,5779
993	993	1127	SLU-ENVE	Max	9,341	1,921E-20	4,6737	0,2341	14,547	17,1693	-12,2615
993	993	1172	SLU-ENVE	Min	-60,277	0	-57,9929	-8,4539	-5,3349	-7,8859	-58,5609
993	993	2118	SLU-ENVE	Min	-45,8	0	-65,0809	-10,1016	-6,313	-9,386	-65,7964
993	993	2120	SLU-ENVE	Min	-87,565	0	-71,5181	-0,0123	-5,3424	0,3846	-71,9151
993	993	1127	SLU-ENVE	Min	85,077	0	-63,5058	-0,0364	-4,3643	0,2623	-63,8045
993	993	1172	SLE-ENVE	Max	53,923	0	1,5235	0,8688	5,7009	6,9064	-4,5141
993	993	2118	SLE-ENVE	Max	51,399	0	-13,6992	-2,2996	5,6788	0,0465	-16,0453
993	993	2120	SLE-ENVE	Max	9,967	0	-14,9133	0,0485	7,9836	3,5084	-18,3733
993	993	1127	SLE-ENVE	Max	9,999	0	2,7059	0,1299	8,0057	9,5266	-6,6908
993	993	1172	SLE-ENVE	Min	-69,944	0	-29,0799	-4,3531	-2,8278	-4,0339	-29,3991
993	993	2118	SLE-ENVE	Min	-46,422	0	-33,116	-5,2572	-3,3455	-4,8611	-33,5121
993	993	2120	SLE-ENVE	Min	-88,506	0	-36,5586	-0,0019	-2,7712	0,2069	-36,7675
993	993	1127	SLE-ENVE	Min	84,675	0	-32,0035	-0,0141	-2,2535	0,1439	-32,1615
994	994	2118	SLU-ENVE	Max	49,455	0	-25,1491	-4,2454	9,8022	-0,3681	-29,0264
994	994	2119	SLU-ENVE	Max	51,315	0	-55,857	-10,9179	9,007	-9,1798	-57,595
994	994	2121	SLU-ENVE	Max	7,211	1,835E-20	-63,4744	-0,1626	13,4203	2,5647	-66,2017
994	994	2120	SLU-ENVE	Max	9,446	1,879E-20	-27,254	0,1025	14,2155	6,1518	-33,3033
994	994	2118	SLU-ENVE	Min	-69,186	0	-65,0967	-10,1047	-7,2999	-9,1522	-66,0493
994	994	2119	SLU-ENVE	Min	-86,523	0	-72,6709	-12,7204	-8,4897	-11,5413	-73,8499
994	994	2121	SLU-ENVE	Min	87,336	0	-80,9013	-0,2563	-7,6739	0,4674	-81,6251
994	994	2120	SLU-ENVE	Min	-84,795	0	-71,4943	-0,0079	-6,4841	0,5755	-72,0777
994	994	2118	SLE-ENVE	Max	48,99	0	-13,7225	-2,3042	5,4045	-0,1519	-15,8748
994	994	2119	SLE-ENVE	Max	50,758	0	-30,6168	-5,9825	4,968	-5,0183	-31,581
994	994	2121	SLE-ENVE	Max	7,694	0	-34,8133	-0,0839	7,3933	1,4245	-36,3217
994	994	2120	SLE-ENVE	Max	10,094	0	-14,8705	0,057	7,8298	3,4105	-18,224

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Element Forces - Area Shells, Part 2 of 3**

Area	AreaElem	Joint	OutputCase	StepType	FAngle	FVM	M11	M22	M12	MMax	MMin
					Degrees	KN/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m	KN-m/m
994	994	2118	SLE-ENVE	Min	-72,304	0	-33,1247	-5,259	-3,8781	-4,7293	-33,6544
994	994	2119	SLE-ENVE	Min	-88,149	0	-37,4949	-6,8362	-4,5132	-6,1857	-38,1455
994	994	2121	SLE-ENVE	Min	86,451	0	-41,9276	-0,1402	-4,0051	0,2402	-42,308
994	994	2120	SLE-ENVE	Min	-86,415	0	-36,5455	0,0005178	-3,37	0,3087	-36,8537
995	995	2119	SLU-ENVE	Max	47,199	0	-56,0809	-10,9627	8,2868	-9,4888	-57,5548
995	995	1173	SLU-ENVE	Max	50,035	0	-74,7397	-14,6518	6,1967	-14,0194	-75,3721
995	995	1113	SLU-ENVE	Max	6,371	1,79E-20	-88,2493	-0,5993	9,4985	0,4182	-89,2668
995	995	2121	SLU-ENVE	Max	9,985	1,807E-20	-63,2654	-0,1438	11,5886	1,9165	-65,3257
995	995	2119	SLU-ENVE	Min	-82,892	0	-72,8008	-12,759	-9,4475	-11,3075	-74,2523
995	995	1173	SLU-ENVE	Min	-62,612	0	-90,4577	-19,3964	-	-17,6711	-92,183
995	995	1113	SLU-ENVE	Min	-81,334	0	-110,0084	-1,0137	-11,209	0,1271	-
995	995	2121	SLU-ENVE	Min	72,067	0	-80,7937	-0,2145	-9,4502	0,879	-81,8872
995	995	2119	SLE-ENVE	Max	47,095	0	-30,74	-6,0071	4,5697	-5,1898	-31,5573
995	995	1173	SLE-ENVE	Max	49,624	0	-39,0038	-7,764	3,4188	-7,3942	-39,3736
995	995	1113	SLE-ENVE	Max	6,77	0	-46,3464	-0,3203	5,2365	0,2679	-46,9347
995	995	2121	SLE-ENVE	Max	10,612	0	-34,6981	-0,0736	6,3874	1,0672	-35,8389
995	995	2119	SLE-ENVE	Min	-84,492	0	-37,566	-6,8576	-5,0326	-6,0538	-38,3698
995	995	1173	SLE-ENVE	Min	-64,251	0	-48,6465	-10,5304	-5,9804	-9,6141	-49,5627
995	995	1113	SLE-ENVE	Min	-82,834	0	-59,4045	-0,5552	-5,8988	0,0303	-59,9899
995	995	2121	SLE-ENVE	Min	70,654	0	-41,8686	-0,1171	-4,951	0,4619	-42,4477

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

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
1	1	928	SLU-ENVE	Max	63,342	8,1	1,5	8,24	10,504
1	1	1309	SLU-ENVE	Max	61,636	8,1	0,17	8,1	1,199
1	1	1	SLU-ENVE	Max	61,637	8,7	0,17	8,7	1,116
1	1	2	SLU-ENVE	Max	62,761	8,7	1,5	8,83	9,793
1	1	928	SLU-ENVE	Min	-34,365	2,4	0,53	2,45	12,419
1	1	1309	SLU-ENVE	Min	-60,246	2,4	-0,86	2,55	-19,85
1	1	1	SLU-ENVE	Min	-64,161	2,06	-0,86	2,23	-22,818
1	1	2	SLU-ENVE	Min	-32,886	2,06	0,53	2,12	14,394
1	1	928	SLE-ENVE	Max	64,306	5,36	0,92	5,44	9,74
1	1	1309	SLE-ENVE	Max	65,169	5,36	0,01479	5,36	0,158
1	1	1	SLE-ENVE	Max	65,57	5,7	0,01479	5,7	0,149
1	1	2	SLE-ENVE	Max	63,626	5,7	0,92	5,78	9,162
1	1	928	SLE-ENVE	Min	-35,325	2,2	0,36	2,23	9,407
1	1	1309	SLE-ENVE	Min	-63,568	2,2	-0,56	2,27	-14,323
1	1	1	SLE-ENVE	Min	-67,393	2,03	-0,56	2,11	-15,471
1	1	2	SLE-ENVE	Min	-33,716	2,03	0,36	2,06	10,181
2	2	2	SLU-ENVE	Max	63,962	8,5	0,3	8,51	2,04
2	2	1	SLU-ENVE	Max	62,401	8,5	1,59	8,65	10,573
2	2	1164	SLU-ENVE	Max	60,473	9,08	1,59	9,22	9,906
2	2	926	SLU-ENVE	Max	64,145	9,08	0,3	9,09	1,908
2	2	2	SLU-ENVE	Min	-31,064	2,06	-1,35	2,46	-33,174
2	2	1	SLU-ENVE	Min	-65,775	2,06	-1,52	2,56	-36,432

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
2	2	1164	SLU-ENVE	Min	-71,091	1,96	-1,52	2,48	-37,838
2	2	926	SLU-ENVE	Min	-32,384	1,96	-1,35	2,38	-34,525
2	2	2	SLE-ENVE	Max	64,734	5,58	0,11	5,58	1,142
2	2	1	SLE-ENVE	Max	66,264	5,58	0,87	5,65	8,812
2	2	1164	SLE-ENVE	Max	65,054	5,93	0,87	5,99	8,301
2	2	926	SLE-ENVE	Max	64,935	5,93	0,11	5,93	1,075
2	2	2	SLE-ENVE	Min	-31,891	2,02	-0,83	2,19	-22,422
2	2	1	SLE-ENVE	Min	-69,13	2,02	-0,87	2,2	-23,386
2	2	1164	SLE-ENVE	Min	-73,919	1,99	-0,87	2,18	-23,651
2	2	926	SLE-ENVE	Min	-33,674	1,99	-0,83	2,16	-22,678
3	3	1309	SLU-ENVE	Max	61,043	17,48	-0,03318	17,48	-0,109
3	3	1310	SLU-ENVE	Max	68,223	17,48	-0,98	17,51	-3,213
3	3	3	SLU-ENVE	Max	68,535	18,17	-0,98	18,2	-3,091
3	3	1	SLU-ENVE	Max	60,801	18,17	-0,03318	18,17	-0,105
3	3	1309	SLU-ENVE	Min	-59,002	8,77	-0,28	8,78	-1,811
3	3	1310	SLU-ENVE	Min	-75,112	8,77	-1,13	8,84	-7,345
3	3	3	SLU-ENVE	Min	-76,977	8,41	-1,13	8,49	-7,656
3	3	1	SLU-ENVE	Min	-62,215	8,41	-0,28	8,42	-1,888
3	3	1309	SLE-ENVE	Max	64,638	11,48	-0,07364	11,48	-0,368
3	3	1310	SLE-ENVE	Max	73,681	11,48	-0,76	11,5	-3,772
3	3	3	SLE-ENVE	Max	74,281	11,87	-0,76	11,89	-3,648
3	3	1	SLE-ENVE	Max	64,786	11,87	-0,07364	11,87	-0,355
3	3	1309	SLE-ENVE	Min	-62,114	7,1	-0,22	7,11	-1,779
3	3	1310	SLE-ENVE	Min	-77,051	7,1	-0,8	7,15	-6,431
3	3	3	SLE-ENVE	Min	-78,662	6,92	-0,8	6,96	-6,602
3	3	1	SLE-ENVE	Min	-65,264	6,92	-0,22	6,92	-1,827
4	4	1	SLU-ENVE	Max	61,541	17,97	1,43	18,03	4,561
4	4	3	SLU-ENVE	Max	69,094	17,97	-0,23	17,98	-0,722
4	4	1165	SLU-ENVE	Max	68,654	18,62	-0,23	18,62	-0,697
4	4	1164	SLU-ENVE	Max	59,013	18,62	1,43	18,68	4,403
4	4	1	SLU-ENVE	Min	-63,545	8,17	-0,92	8,22	-6,433
4	4	3	SLU-ENVE	Min	-77,647	8,17	-1,34	8,28	-9,352
4	4	1165	SLU-ENVE	Min	-79,531	7,9	-1,34	8,01	-9,659
4	4	1164	SLU-ENVE	Min	-68,113	7,9	-0,92	7,95	-6,646
4	4	1	SLE-ENVE	Max	65,486	11,73	0,81	11,76	3,959
4	4	3	SLE-ENVE	Max	74,71	11,73	-0,27	11,74	-1,329
4	4	1165	SLE-ENVE	Max	74,664	12,1	-0,27	12,1	-1,288
4	4	1164	SLE-ENVE	Max	63,52	12,1	0,81	12,13	3,838
4	4	1	SLE-ENVE	Min	-66,726	6,75	-0,52	6,77	-4,391
4	4	3	SLE-ENVE	Min	-79,284	6,75	-0,88	6,8	-7,452
4	4	1165	SLE-ENVE	Min	-80,934	6,63	-0,88	6,69	-7,584
4	4	1164	SLE-ENVE	Min	-70,939	6,63	-0,52	6,65	-4,469
18	18	1310	SLU-ENVE	Max	66,809	28,07	-0,39	28,07	-0,8
18	18	1311	SLU-ENVE	Max	73,892	28,07	0,04449	28,07	0,091
18	18	4	SLU-ENVE	Max	73,925	28,95	0,04449	28,95	0,088
18	18	3	SLU-ENVE	Max	67,357	28,95	-0,39	28,96	-0,775
18	18	1310	SLU-ENVE	Min	-72,959	15,81	-1,44	15,87	-5,194
18	18	1311	SLU-ENVE	Min	-79,174	15,81	-1,89	15,92	-6,823
18	18	4	SLU-ENVE	Min	-79,918	14,75	-1,89	14,87	-7,308
18	18	3	SLU-ENVE	Min	-74,496	14,75	-1,44	14,82	-5,564
18	18	1310	SLE-ENVE	Max	72,481	17,85	-0,39	17,85	-1,249
18	18	1311	SLE-ENVE	Max	78,833	17,85	-0,17	17,85	-0,545
18	18	4	SLE-ENVE	Max	79,184	18,3	-0,17	18,31	-0,532

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
18	18	3	SLE-ENVE	Max	73,445	18,3	-0,39	18,31	-1,218
18	18	1310	SLE-ENVE	Min	-75,028	12,44	-1	12,48	-4,579
18	18	1311	SLE-ENVE	Min	-80,41	12,44	-1,25	12,51	-5,722
18	18	4	SLE-ENVE	Min	-81,008	11,83	-1,25	11,89	-6,017
18	18	3	SLE-ENVE	Min	-76,31	11,83	-1	11,87	-4,816
19	19	3	SLU-ENVE	Max	67,83	28,4	-0,3	28,41	-0,598
19	19	4	SLU-ENVE	Max	74,937	28,4	-4,29	28,73	-8,587
19	19	1166	SLU-ENVE	Max	75,74	29,69	-4,29	30	-8,22
19	19	1165	SLU-ENVE	Max	67,497	29,69	-0,3	29,69	-0,572
19	19	3	SLU-ENVE	Min	-75,141	14,37	-0,38	14,38	-1,527
19	19	4	SLU-ENVE	Min	-79,886	14,37	-5,23	15,29	-19,98
19	19	1166	SLU-ENVE	Min	-81,345	13,72	-5,23	14,68	-20,853
19	19	1165	SLU-ENVE	Min	-77,01	13,72	-0,38	13,72	-1,6
19	19	3	SLE-ENVE	Max	73,81	17,95	-0,25	17,95	-0,785
19	19	4	SLE-ENVE	Max	80,108	17,95	-3,2	18,23	-10,104
19	19	1166	SLE-ENVE	Max	80,815	18,68	-3,2	18,95	-9,714
19	19	1165	SLE-ENVE	Max	73,883	18,68	-0,25	18,68	-0,754
19	19	3	SLE-ENVE	Min	-76,927	11,55	-0,31	11,55	-1,534
19	19	4	SLE-ENVE	Min	-80,923	11,55	-3,49	12,06	-16,835
19	19	1166	SLE-ENVE	Min	-82,225	11,22	-3,49	11,75	-17,296
19	19	1165	SLE-ENVE	Min	-78,568	11,22	-0,31	11,22	-1,579
20	20	1311	SLU-ENVE	Max	71,503	36,74	1,14	36,76	1,78
20	20	1050	SLU-ENVE	Max	76,715	36,74	-1,02	36,75	-1,591
20	20	5	SLU-ENVE	Max	77,253	43,07	-1,02	43,09	-1,357
20	20	4	SLU-ENVE	Max	70,883	43,07	1,14	43,09	1,518
20	20	1311	SLU-ENVE	Min	-77,494	23,19	-2,59	23,33	-6,38
20	20	1050	SLU-ENVE	Min	-79,641	23,19	-4,13	23,55	-10,106
20	20	5	SLU-ENVE	Min	-80,707	24,69	-4,13	25,03	-9,505
20	20	4	SLU-ENVE	Min	-77,901	24,69	-2,59	24,82	-5,996
20	20	1311	SLE-ENVE	Max	76,824	23,62	0,42	23,63	1,023
20	20	1050	SLE-ENVE	Max	80,97	23,62	-0,91	23,64	-2,202
20	20	5	SLE-ENVE	Max	81,586	27,48	-0,91	27,5	-1,893
20	20	4	SLE-ENVE	Max	76,697	27,48	0,42	27,49	0,879
20	20	1311	SLE-ENVE	Min	-78,94	17,9	-1,62	17,97	-5,178
20	20	1050	SLE-ENVE	Min	-80,811	17,9	-2,83	18,12	-8,971
20	20	5	SLE-ENVE	Min	-81,691	19,33	-2,83	19,54	-8,316
20	20	4	SLE-ENVE	Min	-79,221	19,33	-1,62	19,4	-4,796
26	26	934	SLU-ENVE	Max	50,859	6,03	1,77	6,28	16,401
26	26	1372	SLU-ENVE	Max	53,698	6,03	1,55	6,23	14,456
26	26	1351	SLU-ENVE	Max	55,249	6,79	1,55	6,96	12,894
26	26	932	SLU-ENVE	Max	53,903	6,79	1,77	7,02	14,647
26	26	934	SLU-ENVE	Min	-44,299	4,03	-1,6	4,33	-21,691
26	26	1372	SLU-ENVE	Min	-54,717	4,03	-1,34	4,24	-18,412
26	26	1351	SLU-ENVE	Min	-53,773	3,35	-1,34	3,61	-21,799
26	26	932	SLU-ENVE	Min	-40,814	3,35	-1,6	3,71	-25,543
26	26	934	SLE-ENVE	Max	51,046	4,22	0,95	4,32	12,643
26	26	1372	SLE-ENVE	Max	55,733	4,22	0,83	4,3	11,126
26	26	1351	SLE-ENVE	Max	57,451	4,63	0,83	4,71	10,151
26	26	932	SLE-ENVE	Max	54,246	4,63	0,95	4,73	11,543
26	26	934	SLE-ENVE	Min	-44,34	3,1	-0,93	3,24	-16,751
26	26	1372	SLE-ENVE	Min	-56,847	3,1	-0,78	3,2	-14,199
26	26	1351	SLE-ENVE	Min	-56,12	2,72	-0,78	2,83	-16,077
26	26	932	SLE-ENVE	Min	-40,984	2,72	-0,93	2,88	-18,924

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Element Forces - Area Shells, Part 3 of 3**

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
27	27	932	SLU-ENVE	Max	54,518	6,66	1,33	6,79	11,296
27	27	1351	SLU-ENVE	Max	55,992	6,66	1,05	6,74	8,965
27	27	1330	SLU-ENVE	Max	57,74	7,52	1,05	7,6	7,947
27	27	930	SLU-ENVE	Max	57,667	7,52	1,33	7,64	10,023
27	27	932	SLU-ENVE	Min	-40,635	3,47	-1,3	3,71	-20,605
27	27	1351	SLU-ENVE	Min	-54,17	3,47	-1,13	3,65	-18,084
27	27	1330	SLU-ENVE	Min	-54,66	2,84	-1,13	3,05	-21,774
27	27	930	SLU-ENVE	Min	-37,658	2,84	-1,3	3,12	-24,698
27	27	932	SLE-ENVE	Max	54,895	4,56	0,68	4,61	8,515
27	27	1351	SLE-ENVE	Max	58,336	4,56	0,52	4,59	6,556
27	27	1330	SLE-ENVE	Max	60,419	5,04	0,52	5,07	5,936
27	27	930	SLE-ENVE	Max	58,282	5,04	0,68	5,09	7,714
27	27	932	SLE-ENVE	Min	-40,819	2,79	-0,78	2,9	-15,686
27	27	1351	SLE-ENVE	Min	-56,591	2,79	-0,7	2,87	-14,013
27	27	1330	SLE-ENVE	Min	-57,421	2,44	-0,7	2,54	-15,896
27	27	930	SLE-ENVE	Min	-38,084	2,44	-0,78	2,57	-17,768
28	28	930	SLU-ENVE	Max	58,919	7,38	0,33	7,39	2,548
28	28	1330	SLU-ENVE	Max	58,973	7,38	0,15	7,38	1,191
28	28	1309	SLU-ENVE	Max	60,413	8,44	0,15	8,44	1,041
28	28	928	SLU-ENVE	Max	61,436	8,44	0,33	8,44	2,229
28	28	930	SLU-ENVE	Min	-36,989	2,9	-0,56	2,95	-11,02
28	28	1330	SLU-ENVE	Min	-55,387	2,9	-0,55	2,95	-10,797
28	28	1309	SLU-ENVE	Min	-58,952	2,38	-0,55	2,44	-13,1
28	28	928	SLU-ENVE	Min	-35,73	2,38	-0,56	2,44	-13,367
28	28	930	SLE-ENVE	Max	59,589	4,96	0,12	4,96	1,34
28	28	1330	SLE-ENVE	Max	61,833	4,96	0,01011	4,96	0,117
28	28	1309	SLE-ENVE	Max	63,844	5,57	0,01011	5,57	0,104
28	28	928	SLE-ENVE	Max	62,382	5,57	0,12	5,57	1,194
28	28	930	SLE-ENVE	Min	-37,461	2,47	-0,38	2,5	-8,671
28	28	1330	SLE-ENVE	Min	-58,286	2,47	-0,39	2,5	-8,95
28	28	1309	SLE-ENVE	Min	-62,137	2,21	-0,39	2,25	-9,98
28	28	928	SLE-ENVE	Min	-36,602	2,21	-0,38	2,25	-9,67
29	29	4	SLU-ENVE	Max	72,805	43,79	-4,99	44,08	-6,498
29	29	5	SLU-ENVE	Max	76,687	43,79	1,8	43,83	2,36
29	29	1049	SLU-ENVE	Max	74,931	34,91	1,8	34,95	2,96
29	29	1166	SLU-ENVE	Max	74,912	34,91	-4,99	35,26	-8,132
29	29	4	SLU-ENVE	Min	-76,863	25,21	-6,08	25,93	-13,557
29	29	5	SLU-ENVE	Min	-81,481	25,21	-1,67	25,26	-3,79
29	29	1049	SLU-ENVE	Min	-80,883	18,65	-1,67	18,73	-5,116
29	29	1166	SLU-ENVE	Min	-78,38	18,65	-6,08	19,62	-18,05
29	29	4	SLE-ENVE	Max	78,792	27,96	-3,48	28,17	-7,098
29	29	5	SLE-ENVE	Max	80,925	27,96	0,83	27,97	1,706
29	29	1049	SLE-ENVE	Max	80,118	22,13	0,83	22,14	2,156
29	29	1166	SLE-ENVE	Max	80,815	22,13	-3,48	22,4	-8,941
29	29	4	SLE-ENVE	Min	-78,097	19,73	-4,33	20,2	-12,376
29	29	5	SLE-ENVE	Min	-82,453	19,73	-0,91	19,75	-2,627
29	29	1049	SLE-ENVE	Min	-81,807	14,82	-0,91	14,85	-3,495
29	29	1166	SLE-ENVE	Min	-79,374	14,82	-4,33	15,44	-16,285
30	30	926	SLU-ENVE	Max	67,062	9,28	5,14	10,61	28,975
30	30	1164	SLU-ENVE	Max	61,824	9,28	2,85	9,71	17,085
30	30	1135	SLU-ENVE	Max	42,536	10,68	2,85	11,06	14,949
30	30	906	SLU-ENVE	Max	46,147	10,68	5,14	11,86	25,688
30	30	926	SLU-ENVE	Min	-28,713	1,6	-2,46	2,93	-56,973

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Element Forces - Area Shells, Part 3 of 3**

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
30	30	1164	SLU-ENVE	Min	-75,084	1,6	-1,29	2,05	-38,916
30	30	1135	SLU-ENVE	Min	-82,842	-0,49	-1,29	1,38	-110,708
30	30	906	SLU-ENVE	Min	-46,427	-0,49	-2,46	2,5	-101,223
30	30	926	SLE-ENVE	Max	67,704	6,02	3,07	6,76	27,009
30	30	1164	SLE-ENVE	Max	66,159	6,02	1,73	6,27	15,998
30	30	1135	SLE-ENVE	Max	49,359	6,76	1,73	6,98	14,334
30	30	906	SLE-ENVE	Max	46,266	6,76	3,07	7,42	24,431
30	30	926	SLE-ENVE	Min	-30,137	1,78	-1,18	2,13	-33,517
30	30	1164	SLE-ENVE	Min	-77,892	1,78	-0,64	1,89	-19,77
30	30	1135	SLE-ENVE	Min	-84,517	0,55	-0,64	0,84	-49,288
30	30	906	SLE-ENVE	Min	-47,5	0,55	-1,18	1,3	-64,969
44	44	1075	SLU-ENVE	Max	65,341	-45,15	-1,67	45,18	-177,886
44	44	1327	SLU-ENVE	Max	62,987	-45,15	11,34	46,56	165,898
44	44	6	SLU-ENVE	Max	63,939	-63,14	11,34	64,15	169,816
44	44	7	SLU-ENVE	Max	69,111	-63,14	-1,67	63,16	-178,488
44	44	1075	SLU-ENVE	Min	73,876	-49,76	-9,84	50,72	-168,809
44	44	1327	SLU-ENVE	Min	72,23	-49,76	7,59	50,33	171,332
44	44	6	SLU-ENVE	Min	73,519	-73,87	7,59	74,26	174,137
44	44	7	SLU-ENVE	Min	77,121	-73,87	-9,84	74,52	-172,409
44	44	1075	SLE-ENVE	Max	66,855	-28,24	-1,5	28,28	-176,952
44	44	1327	SLE-ENVE	Max	64,44	-28,24	6	28,87	168,009
44	44	6	SLE-ENVE	Max	65,319	-38,74	6	39,2	171,2
44	44	7	SLE-ENVE	Max	70,395	-38,74	-1,5	38,77	-177,777
44	44	1075	SLE-ENVE	Min	75,403	-32,78	-5,67	33,27	-170,188
44	44	1327	SLE-ENVE	Min	73,67	-32,78	4,09	33,03	172,89
44	44	6	SLE-ENVE	Min	74,788	-45,28	4,09	45,47	174,841
44	44	7	SLE-ENVE	Min	78,177	-45,28	-5,67	45,64	-172,864
45	45	7	SLU-ENVE	Max	70,604	-64,17	20,23	67,28	162,502
45	45	6	SLU-ENVE	Max	63,385	-64,17	-4,61	64,33	-175,891
45	45	1306	SLU-ENVE	Max	66,912	-43,93	-4,61	44,17	-174,009
45	45	1074	SLU-ENVE	Max	69,373	-43,93	20,23	48,36	155,272
45	45	7	SLU-ENVE	Min	78,628	-74,94	13,11	76,08	170,075
45	45	6	SLU-ENVE	Min	72,542	-74,94	-8,44	75,42	-173,578
45	45	1306	SLU-ENVE	Min	75,705	-52,68	-8,44	53,35	-170,903
45	45	1074	SLU-ENVE	Min	78,192	-52,68	13,11	54,29	166,022
45	45	7	SLE-ENVE	Max	71,912	-39,4	10,96	40,9	164,457
45	45	6	SLE-ENVE	Max	64,651	-39,4	-3,74	39,58	-174,583
45	45	1306	SLE-ENVE	Max	68,036	-27,1	-3,74	27,35	-172,15
45	45	1074	SLE-ENVE	Max	70,614	-27,1	10,96	29,23	157,98
45	45	7	SLE-ENVE	Min	79,643	-46,1	7,39	46,68	170,888
45	45	6	SLE-ENVE	Min	73,749	-46,1	-5,46	46,42	-173,245
45	45	1306	SLE-ENVE	Min	76,625	-33,53	-5,46	33,97	-170,752
45	45	1074	SLE-ENVE	Min	79,132	-33,53	7,39	34,34	167,566
46	46	1327	SLU-ENVE	Max	65,276	-37,96	5,86	38,41	171,221
46	46	1328	SLU-ENVE	Max	57,839	-37,96	1,57	37,99	177,633
46	46	8	SLU-ENVE	Max	60,015	-40,93	1,57	40,96	177,805
46	46	6	SLU-ENVE	Max	66,981	-40,93	5,86	41,35	171,851
46	46	1327	SLU-ENVE	Min	74,317	-44,06	3,75	44,22	175,139
46	46	1328	SLU-ENVE	Min	66,362	-44,06	0,38	44,06	179,509
46	46	8	SLU-ENVE	Min	69,25	-48,85	0,38	48,86	179,557
46	46	6	SLU-ENVE	Min	76,033	-48,85	3,75	49	175,614
46	46	1327	SLE-ENVE	Max	66,739	-23,35	3,01	23,55	172,645
46	46	1328	SLE-ENVE	Max	59,289	-23,35	0,59	23,36	178,542



AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell’Astico

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
46	46	8	SLE-ENVE	Max	61,435	-24,97	0,59	24,98	178,636
46	46	6	SLE-ENVE	Max	68,327	-24,97	3,01	25,16	173,118
46	46	1327	SLE-ENVE	Min	75,645	-28,13	1,95	28,19	176,038
46	46	1328	SLE-ENVE	Min	67,971	-28,13	0,03981	28,13	179,919
46	46	8	SLE-ENVE	Min	70,646	-30,7	0,03981	30,7	179,926
46	46	6	SLE-ENVE	Min	77,135	-30,7	1,95	30,76	176,369
52	52	1372	SLU-ENVE	Max	53,53	14,39	1,95	14,52	7,718
52	52	1373	SLU-ENVE	Max	63,229	14,39	1,99	14,53	7,885
52	52	1352	SLU-ENVE	Max	63,541	15,5	1,99	15,63	7,327
52	52	1351	SLU-ENVE	Max	55,024	15,5	1,95	15,62	7,172
52	52	1372	SLU-ENVE	Min	-54,515	11,67	-1,68	11,79	-8,21
52	52	1373	SLU-ENVE	Min	-68,648	11,67	-1,49	11,76	-7,288
52	52	1352	SLU-ENVE	Min	-69,37	10,78	-1,49	10,88	-7,879
52	52	1351	SLU-ENVE	Min	-53,516	10,78	-1,68	10,91	-8,873
52	52	1372	SLE-ENVE	Max	55,534	9,82	1,05	9,88	6,08
52	52	1373	SLE-ENVE	Max	67,465	9,82	1,08	9,88	6,297
52	52	1352	SLE-ENVE	Max	67,974	10,43	1,08	10,48	5,933
52	52	1351	SLE-ENVE	Max	57,197	10,43	1,05	10,48	5,728
52	52	1372	SLE-ENVE	Min	-56,611	8,77	-0,98	8,82	-6,366
52	52	1373	SLE-ENVE	Min	-71,523	8,77	-0,86	8,81	-5,584
52	52	1352	SLE-ENVE	Min	-72,161	8,27	-0,86	8,31	-5,917
52	52	1351	SLE-ENVE	Min	-55,802	8,27	-0,98	8,33	-6,745
53	53	1351	SLU-ENVE	Max	55,744	15,42	1,48	15,49	5,484
53	53	1352	SLU-ENVE	Max	64,484	15,42	1,56	15,5	5,759
53	53	1331	SLU-ENVE	Max	64,93	16,58	1,56	16,65	5,36
53	53	1330	SLU-ENVE	Max	57,433	16,58	1,48	16,64	5,104
53	53	1351	SLU-ENVE	Min	-53,89	10,92	-1,49	11,03	-7,748
53	53	1352	SLU-ENVE	Min	-69,831	10,92	-1,41	11,01	-7,331
53	53	1331	SLU-ENVE	Min	-71,245	9,9	-1,41	10	-8,08
53	53	1330	SLU-ENVE	Min	-54,183	9,9	-1,49	10,01	-8,539
53	53	1351	SLE-ENVE	Max	58,058	10,39	0,76	10,42	4,18
53	53	1352	SLE-ENVE	Max	68,996	10,39	0,81	10,42	4,46
53	53	1331	SLE-ENVE	Max	69,797	11,01	0,81	11,04	4,209
53	53	1330	SLE-ENVE	Max	60,113	11,01	0,76	11,04	3,945
53	53	1351	SLE-ENVE	Min	-56,246	8,36	-0,89	8,4	-6,106
53	53	1352	SLE-ENVE	Min	-72,565	8,36	-0,84	8,4	-5,75
53	53	1331	SLE-ENVE	Min	-73,77	7,77	-0,84	7,82	-6,179
53	53	1330	SLE-ENVE	Min	-56,811	7,77	-0,89	7,82	-6,562
54	54	1330	SLU-ENVE	Max	58,628	16,44	0,66	16,46	2,299
54	54	1331	SLU-ENVE	Max	66,338	16,44	0,42	16,45	1,478
54	54	1310	SLU-ENVE	Max	66,971	17,7	0,42	17,7	1,373
54	54	1309	SLU-ENVE	Max	59,951	17,7	0,66	17,71	2,136
54	54	1330	SLU-ENVE	Min	-54,818	9,95	-0,86	9,99	-4,928
54	54	1331	SLU-ENVE	Min	-71,797	9,95	-1,18	10,02	-6,738
54	54	1310	SLU-ENVE	Min	-74,434	8,91	-1,18	8,99	-7,515
54	54	1309	SLU-ENVE	Min	-57,882	8,91	-0,86	8,95	-5,499
54	54	1330	SLE-ENVE	Max	61,503	10,94	0,3	10,94	1,545
54	54	1331	SLE-ENVE	Max	71,292	10,94	0,13	10,94	0,68
54	54	1310	SLE-ENVE	Max	72,47	11,62	0,13	11,62	0,64
54	54	1309	SLE-ENVE	Max	63,439	11,62	0,3	11,62	1,455
54	54	1330	SLE-ENVE	Min	-57,565	7,79	-0,55	7,81	-4,036
54	54	1331	SLE-ENVE	Min	-74,218	7,79	-0,77	7,83	-5,661
54	54	1310	SLE-ENVE	Min	-76,464	7,21	-0,77	7,25	-6,115

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
54	54	1309	SLE-ENVE	Min	-60,854	7,21	-0,55	7,23	-4,36
55	55	6	SLU-ENVE	Max	67,313	-40,18	-7,54	40,88	-169,376
55	55	8	SLU-ENVE	Max	60,53	-40,18	-9,201E-05	40,18	-180
55	55	1307	SLU-ENVE	Max	63,082	-43,21	-9,201E-05	43,21	-180
55	55	1306	SLU-ENVE	Max	70,201	-43,21	-7,54	43,86	-170,107
55	55	6	SLU-ENVE	Min	76,176	-48,03	-9,63	48,99	-168,662
55	55	8	SLU-ENVE	Min	69,847	-48,03	-0,33	48,03	-179,61
55	55	1307	SLU-ENVE	Min	72,827	-52,44	-0,33	52,44	-179,643
55	55	1306	SLU-ENVE	Min	78,489	-52,44	-9,63	53,32	-169,594
55	55	6	SLE-ENVE	Max	68,613	-24,5	-5,11	25,03	-168,216
55	55	8	SLE-ENVE	Max	61,984	-24,5	-0,13	24,5	-179,702
55	55	1307	SLE-ENVE	Max	64,492	-26,2	-0,13	26,21	-179,721
55	55	1306	SLE-ENVE	Max	71,381	-26,2	-5,11	26,7	-168,961
55	55	6	SLE-ENVE	Min	77,236	-30,17	-5,97	30,75	-168,815
55	55	8	SLE-ENVE	Min	71,241	-30,17	-0,33	30,17	-179,37
55	55	1307	SLE-ENVE	Min	73,999	-32,61	-0,33	32,62	-179,417
55	55	1306	SLE-ENVE	Min	79,346	-32,61	-5,97	33,15	-169,635
56	56	1164	SLU-ENVE	Max	59,854	18,09	2,76	18,3	8,666
56	56	1165	SLU-ENVE	Max	68,36	18,09	0,74	18,11	2,343
56	56	1133	SLU-ENVE	Max	64,27	19,12	0,74	19,14	2,217
56	56	1135	SLU-ENVE	Max	43,294	19,12	2,76	19,32	8,207
56	56	1164	SLU-ENVE	Min	-70,992	7,34	-0,84	7,39	-6,495
56	56	1165	SLU-ENVE	Min	-81,113	7,34	-3,2	8,01	-23,533
56	56	1133	SLU-ENVE	Min	-85,113	8,03	-3,2	8,64	-21,727
56	56	1135	SLU-ENVE	Min	-80,886	8,03	-0,84	8,07	-5,947
56	56	1164	SLE-ENVE	Max	64,181	11,74	1,7	11,86	8,235
56	56	1165	SLE-ENVE	Max	74,011	11,74	0,22	11,74	1,07
56	56	1133	SLE-ENVE	Max	71,111	12,41	0,22	12,42	1,012
56	56	1135	SLE-ENVE	Max	48,148	12,41	1,7	12,53	7,792
56	56	1164	SLE-ENVE	Min	-73,952	6,23	-0,37	6,24	-3,357
56	56	1165	SLE-ENVE	Min	-82,487	6,23	-1,97	6,53	-17,537
56	56	1133	SLE-ENVE	Min	-86,172	6,74	-1,97	7,02	-16,286
56	56	1135	SLE-ENVE	Min	-83,113	6,74	-0,37	6,75	-3,104
70	70	1328	SLU-ENVE	Max	59,547	-25,39	-1,35	25,43	-176,954
70	70	1329	SLU-ENVE	Max	47,719	-25,39	-0,46	25,4	-178,962
70	70	9	SLU-ENVE	Max	49,609	-27	-0,46	27	-179,023
70	70	8	SLU-ENVE	Max	62,142	-27	-1,35	27,03	-177,135
70	70	1328	SLU-ENVE	Min	68,454	-31,36	-1,65	31,4	-176,988
70	70	1329	SLU-ENVE	Min	48,547	-31,36	-0,57	31,37	-178,96
70	70	9	SLU-ENVE	Min	52,626	-33,92	-0,57	33,93	-179,038
70	70	8	SLU-ENVE	Min	71,661	-33,92	-1,65	33,96	-177,215
70	70	1328	SLE-ENVE	Max	61,122	-15,88	-1,01	15,91	-176,346
70	70	1329	SLE-ENVE	Max	48,663	-15,88	-0,33	15,88	-178,797
70	70	9	SLE-ENVE	Max	50,654	-16,78	-0,33	16,78	-178,861
70	70	8	SLE-ENVE	Max	63,691	-16,78	-1,01	16,81	-176,541
70	70	1328	SLE-ENVE	Min	70,067	-19,62	-1,1	19,65	-176,778
70	70	1329	SLE-ENVE	Min	49,99	-19,62	-0,41	19,63	-178,795
70	70	9	SLE-ENVE	Min	54,185	-21,04	-0,41	21,05	-178,877
70	70	8	SLE-ENVE	Min	73,034	-21,04	-1,1	21,07	-176,995
71	71	8	SLU-ENVE	Max	62,824	-26,85	-2,2	26,94	-175,32
71	71	9	SLU-ENVE	Max	49,98	-26,85	-3,33	27,06	-172,929
71	71	1308	SLU-ENVE	Max	53,494	-28,55	-3,33	28,74	-173,345
71	71	1307	SLU-ENVE	Max	65,758	-28,55	-2,2	28,63	-175,597

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
71	71	8	SLU-ENVE	Min	72,367	-33,81	-3,01	33,95	-174,921
71	71	9	SLU-ENVE	Min	53,24	-33,81	-5,22	34,21	-171,223
71	71	1308	SLU-ENVE	Min	60,525	-36,31	-5,22	36,69	-171,818
71	71	1307	SLU-ENVE	Min	75,414	-36,31	-3,01	36,44	-175,269
71	71	8	SLE-ENVE	Max	64,402	-16,67	-1,35	16,72	-175,382
71	71	9	SLE-ENVE	Max	51,114	-16,67	-1,86	16,77	-173,649
71	71	1308	SLE-ENVE	Max	54,703	-17,62	-1,86	17,72	-173,99
71	71	1307	SLE-ENVE	Max	67,258	-17,62	-1,35	17,68	-175,632
71	71	8	SLE-ENVE	Min	73,724	-20,95	-1,87	21,03	-174,909
71	71	9	SLE-ENVE	Min	54,928	-20,95	-2,92	21,15	-172,064
71	71	1308	SLE-ENVE	Min	62,062	-22,35	-2,92	22,54	-172,557
71	71	1307	SLE-ENVE	Min	76,52	-22,35	-1,87	22,43	-175,227
72	72	1329	SLU-ENVE	Max	47,95	-13,71	-1,86	13,84	-172,276
72	72	929	SLU-ENVE	Max	35,865	-13,71	-0,42	13,72	-178,248
72	72	10	SLU-ENVE	Max	35,362	-15,28	-0,42	15,29	-178,428
72	72	9	SLU-ENVE	Max	50,169	-15,28	-1,86	15,4	-173,062
72	72	1329	SLU-ENVE	Min	48,858	-18,5	-2,55	18,67	-172,152
72	72	929	SLU-ENVE	Min	24,949	-18,5	-1,08	18,53	-176,666
72	72	10	SLU-ENVE	Min	24,182	-20,91	-1,08	20,93	-177,049
72	72	9	SLU-ENVE	Min	53,574	-20,91	-2,55	21,06	-173,046
72	72	1329	SLE-ENVE	Max	48,979	-8,48	-1,11	8,55	-172,539
72	72	929	SLE-ENVE	Max	36,063	-8,48	-0,16	8,48	-178,93
72	72	10	SLE-ENVE	Max	35,534	-9,37	-0,16	9,37	-179,031
72	72	9	SLE-ENVE	Max	51,342	-9,37	-1,11	9,43	-173,237
72	72	1329	SLE-ENVE	Min	50,431	-11,12	-1,53	11,22	-172,165
72	72	929	SLE-ENVE	Min	25,19	-11,12	-0,54	11,13	-177,206
72	72	10	SLE-ENVE	Min	24,396	-12,47	-0,54	12,48	-177,509
72	72	9	SLE-ENVE	Min	55,309	-12,47	-1,53	12,56	-173,005
78	78	1373	SLU-ENVE	Max	62,448	23,29	2,55	23,43	6,248
78	78	1374	SLU-ENVE	Max	71,706	23,29	2,66	23,44	6,516
78	78	1353	SLU-ENVE	Max	71,452	24,91	2,66	25,05	6,094
78	78	1352	SLU-ENVE	Max	62,596	24,91	2,55	25,04	5,844
78	78	1373	SLU-ENVE	Min	-67,591	19,42	-1,9	19,51	-5,594
78	78	1374	SLU-ENVE	Min	-76,041	19,42	-1,73	19,49	-5,092
78	78	1353	SLU-ENVE	Min	-76,818	18,42	-1,73	18,5	-5,366
78	78	1352	SLU-ENVE	Min	-68,131	18,42	-1,9	18,52	-5,894
78	78	1373	SLE-ENVE	Max	66,638	15,25	1,39	15,31	5,208
78	78	1374	SLE-ENVE	Max	75,69	15,25	1,47	15,32	5,498
78	78	1353	SLE-ENVE	Max	75,686	16,15	1,47	16,22	5,192
78	78	1352	SLE-ENVE	Max	66,975	16,15	1,39	16,21	4,918
78	78	1373	SLE-ENVE	Min	-70,5	14,49	-1,09	14,53	-4,289
78	78	1374	SLE-ENVE	Min	-78,118	14,49	-0,98	14,52	-3,852
78	78	1353	SLE-ENVE	Min	-78,719	13,94	-0,98	13,98	-4,003
78	78	1352	SLE-ENVE	Min	-70,978	13,94	-1,09	13,98	-4,458
79	79	1352	SLU-ENVE	Max	63,456	24,91	2,12	24,99	4,859
79	79	1353	SLU-ENVE	Max	72,087	24,91	2,65	25,05	6,068
79	79	1332	SLU-ENVE	Max	71,803	26,55	2,65	26,68	5,694
79	79	1331	SLU-ENVE	Max	63,757	26,55	2,12	26,63	4,559
79	79	1352	SLU-ENVE	Min	-68,573	18,61	-1,9	18,7	-5,821
79	79	1353	SLU-ENVE	Min	-77,006	18,61	-1,66	18,68	-5,085
79	79	1332	SLU-ENVE	Min	-77,817	17,32	-1,66	17,4	-5,459
79	79	1331	SLU-ENVE	Min	-69,678	17,32	-1,9	17,42	-6,249
79	79	1352	SLE-ENVE	Max	67,924	16,16	1,11	16,2	3,934

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Element Forces - Area Shells, Part 3 of 3**

Area	AreaElem	Joint	OutputCase	StepType	MAngle Degrees	V13 KN/m	V23 KN/m	VMax KN/m	VAngle Degrees
79	79	1353	SLE-ENVE	Max	76,266	16,16	1,45	16,23	5,129
79	79	1332	SLE-ENVE	Max	76,364	17,05	1,45	17,11	4,862
79	79	1331	SLE-ENVE	Max	68,615	17,05	1,11	17,09	3,73
79	79	1352	SLE-ENVE	Min	-71,376	14,06	-1,12	14,11	-4,57
79	79	1353	SLE-ENVE	Min	-78,874	14,06	-0,93	14,09	-3,799
79	79	1332	SLE-ENVE	Min	-79,47	13,33	-0,93	13,36	-4,007
79	79	1331	SLE-ENVE	Min	-72,291	13,33	-1,12	13,37	-4,82
80	80	1331	SLU-ENVE	Max	65,052	26,51	1,02	26,53	2,212
80	80	1332	SLU-ENVE	Max	72,88	26,51	1,03	26,53	2,218
80	80	1311	SLU-ENVE	Max	72,843	28,07	1,03	28,09	2,094
80	80	1310	SLU-ENVE	Max	65,608	28,07	1,02	28,09	2,089
80	80	1331	SLU-ENVE	Min	-70,163	17,43	-1,71	17,51	-5,609
80	80	1332	SLU-ENVE	Min	-77,879	17,43	-1,98	17,54	-6,486
80	80	1311	SLU-ENVE	Min	-79,133	15,77	-1,98	15,89	-7,161
80	80	1310	SLU-ENVE	Min	-72,34	15,77	-1,71	15,86	-6,194
80	80	1331	SLE-ENVE	Max	70,037	17,04	0,45	17,04	1,512
80	80	1332	SLE-ENVE	Max	77,386	17,04	0,44	17,04	1,484
80	80	1311	SLE-ENVE	Max	77,865	17,85	0,44	17,85	1,417
80	80	1310	SLE-ENVE	Max	71,265	17,85	0,45	17,85	1,443
80	80	1331	SLE-ENVE	Min	-72,685	13,39	-1,08	13,44	-4,604
80	80	1332	SLE-ENVE	Min	-79,467	13,39	-1,26	13,45	-5,359
80	80	1311	SLE-ENVE	Min	-80,434	12,42	-1,26	12,48	-5,776
80	80	1310	SLE-ENVE	Min	-74,489	12,42	-1,08	12,47	-4,964
81	81	9	SLU-ENVE	Max	50,626	-14,88	-4,7	15,6	-162,466
81	81	10	SLU-ENVE	Max	34,142	-14,88	-3,02	15,18	-168,515
81	81	927	SLU-ENVE	Max	34,65	-16,13	-3,02	16,41	-169,387
81	81	1308	SLU-ENVE	Max	54,957	-16,13	-4,7	16,8	-163,755
81	81	9	SLU-ENVE	Min	54,328	-20,32	-7,25	21,58	-160,361
81	81	10	SLU-ENVE	Min	22,251	-20,32	-4,34	20,78	-167,951
81	81	927	SLU-ENVE	Min	22,67	-22,18	-4,34	22,6	-168,935
81	81	1308	SLU-ENVE	Min	62,822	-22,18	-7,25	23,33	-161,894
81	81	9	SLE-ENVE	Max	51,909	-9,13	-2,64	9,5	-163,878
81	81	10	SLE-ENVE	Max	34,315	-9,13	-1,76	9,3	-169,078
81	81	927	SLE-ENVE	Max	34,899	-9,85	-1,76	10,01	-169,86
81	81	1308	SLE-ENVE	Max	56,363	-9,85	-2,64	10,2	-165,003
81	81	9	SLE-ENVE	Min	56,217	-12,13	-4,08	12,8	-161,431
81	81	10	SLE-ENVE	Min	22,43	-12,13	-2,5	12,38	-168,377
81	81	927	SLE-ENVE	Min	22,9	-13,19	-2,5	13,43	-169,289
81	81	1308	SLE-ENVE	Min	64,506	-13,19	-4,08	13,81	-162,833
82	82	1165	SLU-ENVE	Max	67,103	28,76	1,09	28,78	2,168
82	82	1166	SLU-ENVE	Max	75,798	28,76	-0,72	28,77	-1,429
82	82	1131	SLU-ENVE	Max	74,959	31,1	-0,72	31,11	-1,321
82	82	1133	SLU-ENVE	Max	62,358	31,1	1,09	31,12	2,005
82	82	1165	SLU-ENVE	Min	-78,597	12,91	-2,51	13,16	-11,006
82	82	1166	SLU-ENVE	Min	-82,61	12,91	-2,57	13,17	-11,256
82	82	1131	SLU-ENVE	Min	-85,008	13,99	-2,57	14,22	-10,411
82	82	1133	SLU-ENVE	Min	-83,171	13,99	-2,51	14,21	-10,179
82	82	1165	SLE-ENVE	Max	73,095	18,08	0,49	18,08	1,564
82	82	1166	SLE-ENVE	Max	80,576	18,08	-0,65	18,09	-2,062
82	82	1131	SLE-ENVE	Max	79,765	19,54	-0,65	19,55	-1,908
82	82	1133	SLE-ENVE	Max	69,415	19,54	0,49	19,54	1,448
82	82	1165	SLE-ENVE	Min	-80,157	10,63	-1,53	10,74	-8,209
82	82	1166	SLE-ENVE	Min	-83,434	10,63	-1,63	10,76	-8,742

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
82	82	1131	SLE-ENVE	Min	-85,677	11,5	-1,63	11,62	-8,09
82	82	1133	SLE-ENVE	Min	-84,363	11,5	-1,53	11,6	-7,597
96	96	1050	SLU-ENVE	Max	85,392	54,79	4,2	54,95	4,384
96	96	975	SLU-ENVE	Max	85,291	54,79	-21,53	58,87	-21,448
96	96	11	SLU-ENVE	Max	84,86	29,85	-21,53	36,8	-35,796
96	96	5	SLU-ENVE	Max	84,542	29,85	4,2	30,14	8,01
96	96	1050	SLU-ENVE	Min	-84,308	37,71	-3,23	37,85	-4,902
96	96	975	SLU-ENVE	Min	-84,428	37,71	-32,77	49,96	-40,993
96	96	11	SLU-ENVE	Min	-85,802	23,51	-32,77	40,33	-54,347
96	96	5	SLU-ENVE	Min	-85,69	23,51	-3,23	23,73	-7,834
96	96	1050	SLE-ENVE	Max	87,376	35,67	2,27	35,75	3,644
96	96	975	SLE-ENVE	Max	87,121	35,67	-16,46	39,29	-24,768
96	96	11	SLE-ENVE	Max	86,656	19,83	-16,46	25,77	-39,694
96	96	5	SLE-ENVE	Max	86,567	19,83	2,27	19,96	6,536
96	96	1050	SLE-ENVE	Min	-84,876	28,49	-1,81	28,55	-3,632
96	96	975	SLE-ENVE	Min	-85,051	28,49	-21,11	35,46	-36,541
96	96	11	SLE-ENVE	Min	-86,314	17,42	-21,11	27,37	-50,472
96	96	5	SLE-ENVE	Min	-86,175	17,42	-1,81	17,52	-5,927
97	97	5	SLU-ENVE	Max	82,542	33,15	0,95	33,17	1,642
97	97	11	SLU-ENVE	Max	83,013	33,15	60,25	68,77	61,178
97	97	974	SLU-ENVE	Max	81,539	81,21	60,25	101,12	36,569
97	97	1049	SLU-ENVE	Max	80,862	81,21	0,95	81,22	0,67
97	97	5	SLU-ENVE	Min	-87,829	24,49	-5,03	25	-11,599
97	97	11	SLU-ENVE	Min	-87,604	24,49	19,85	31,52	39,031
97	97	974	SLU-ENVE	Min	-87,048	44,76	19,85	48,97	23,916
97	97	1049	SLU-ENVE	Min	-87,328	44,76	-5,03	45,05	-6,406
97	97	5	SLE-ENVE	Max	84,519	21,9	0,15	21,9	0,384
97	97	11	SLE-ENVE	Max	84,812	21,9	37,53	43,45	59,734
97	97	974	SLE-ENVE	Max	83,855	52,17	37,53	64,27	35,731
97	97	1049	SLE-ENVE	Max	83,529	52,17	0,15	52,17	0,161
97	97	5	SLE-ENVE	Min	-88,293	18,32	-3,15	18,59	-9,763
97	97	11	SLE-ENVE	Min	-88,111	18,32	17,54	25,37	43,76
97	97	974	SLE-ENVE	Min	-87,616	35,15	17,54	39,29	26,521
97	97	1049	SLE-ENVE	Min	-87,825	35,15	-3,15	35,3	-5,124
98	98	975	SLU-ENVE	Max	81,937	-18,26	-20,97	27,81	-131,042
98	98	1312	SLU-ENVE	Max	76,895	-18,26	7,73	19,83	157,043
98	98	12	SLU-ENVE	Max	76,966	-11,87	7,73	14,17	146,915
98	98	11	SLU-ENVE	Max	82,35	-11,87	-20,97	24,1	-119,51
98	98	975	SLU-ENVE	Min	-84,658	-64,41	-34,08	72,87	-152,117
98	98	1312	SLU-ENVE	Min	-76,719	-64,41	-1,8	64,44	-178,397
98	98	12	SLU-ENVE	Min	-75,66	-58,22	-1,8	58,25	-178,227
98	98	11	SLU-ENVE	Min	-84,975	-58,22	-34,08	67,47	-149,659
98	98	975	SLE-ENVE	Max	84,234	-17,14	-16,19	23,58	-136,627
98	98	1312	SLE-ENVE	Max	79,251	-17,14	4,48	17,71	165,356
98	98	12	SLE-ENVE	Max	79,637	-12,51	4,48	13,29	160,309
98	98	11	SLE-ENVE	Max	84,739	-12,51	-16,19	20,46	-127,697
98	98	975	SLE-ENVE	Min	-85,471	-39,59	-21,85	45,21	-151,106
98	98	1312	SLE-ENVE	Min	-79,056	-39,59	-0,53	39,59	-179,226
98	98	12	SLE-ENVE	Min	-78,145	-35,45	-0,53	35,45	-179,136
98	98	11	SLE-ENVE	Min	-85,676	-35,45	-21,85	41,64	-148,353
104	104	1374	SLU-ENVE	Max	70,508	30,76	3,5	30,96	6,499
104	104	1053	SLU-ENVE	Max	76,531	30,76	3,42	30,95	6,35
104	104	1052	SLU-ENVE	Max	76,143	33,1	3,42	33,28	5,905

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Element Forces - Area Shells, Part 3 of 3**

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
104	104	1353	SLU-ENVE	Max	70,039	33,1	3,5	33,28	6,044
104	104	1374	SLU-ENVE	Min	-74,556	27,29	-2,15	27,38	-4,499
104	104	1053	SLU-ENVE	Min	-78,622	27,29	-2,06	27,37	-4,322
104	104	1052	SLU-ENVE	Min	-79,289	26,28	-2,06	26,36	-4,488
104	104	1353	SLU-ENVE	Min	-75,158	26,28	-2,15	26,37	-4,671
104	104	1374	SLE-ENVE	Max	74,626	20,35	1,94	20,44	5,455
104	104	1053	SLE-ENVE	Max	79,731	20,35	1,9	20,43	5,341
104	104	1052	SLE-ENVE	Max	79,577	21,67	1,9	21,75	5,017
104	104	1353	SLE-ENVE	Max	74,431	21,67	1,94	21,75	5,125
104	104	1374	SLE-ENVE	Min	-76,779	20,24	-1,2	20,28	-3,395
104	104	1053	SLE-ENVE	Min	-80,372	20,24	-1,15	20,27	-3,259
104	104	1052	SLE-ENVE	Min	-80,865	19,73	-1,15	19,76	-3,344
104	104	1353	SLE-ENVE	Min	-77,232	19,73	-1,2	19,76	-3,484
105	105	1353	SLU-ENVE	Max	70,605	32,91	3,49	33,09	6,058
105	105	1052	SLU-ENVE	Max	76,397	32,91	4,04	33,16	6,998
105	105	1051	SLU-ENVE	Max	75,919	36,12	4,04	36,34	6,382
105	105	1332	SLU-ENVE	Max	69,887	36,12	3,49	36,28	5,524
105	105	1353	SLU-ENVE	Min	-75,367	26,38	-2,18	26,47	-4,718
105	105	1052	SLU-ENVE	Min	-79,325	26,38	-1,92	26,45	-4,157
105	105	1051	SLU-ENVE	Min	-80,092	25,55	-1,92	25,62	-4,291
105	105	1332	SLU-ENVE	Min	-76,149	25,55	-2,18	25,64	-4,871
105	105	1353	SLE-ENVE	Max	74,955	21,56	1,92	21,65	5,078
105	105	1052	SLE-ENVE	Max	79,785	21,56	2,27	21,68	6,014
105	105	1051	SLE-ENVE	Max	79,615	23,41	2,27	23,52	5,542
105	105	1332	SLE-ENVE	Max	74,639	23,41	1,92	23,49	4,679
105	105	1353	SLE-ENVE	Min	-77,414	19,78	-1,23	19,82	-3,55
105	105	1052	SLE-ENVE	Min	-80,905	19,78	-1,02	19,81	-2,948
105	105	1051	SLE-ENVE	Min	-81,484	19,41	-1,02	19,44	-3,003
105	105	1332	SLE-ENVE	Min	-78,014	19,41	-1,23	19,45	-3,616
106	106	1332	SLU-ENVE	Max	70,891	36,64	1,75	36,69	2,734
106	106	1051	SLU-ENVE	Max	76,294	36,64	3,56	36,82	5,556
106	106	1050	SLU-ENVE	Max	75,659	37,17	3,56	37,34	5,477
106	106	1311	SLU-ENVE	Max	70,858	37,17	1,75	37,22	2,695
106	106	1332	SLU-ENVE	Min	-76,184	25,91	-2,7	26,05	-5,952
106	106	1051	SLU-ENVE	Min	-80,121	25,91	-2,3	26,01	-5,073
106	106	1050	SLU-ENVE	Min	-80,332	23,32	-2,3	23,43	-5,632
106	106	1311	SLU-ENVE	Min	-77,112	23,32	-2,7	23,48	-6,606
106	106	1332	SLE-ENVE	Max	75,632	23,76	0,82	23,77	1,966
106	106	1051	SLE-ENVE	Max	79,945	23,76	1,96	23,84	4,714
106	106	1050	SLE-ENVE	Max	79,862	23,88	1,96	23,96	4,691
106	106	1311	SLE-ENVE	Max	76,27	23,88	0,82	23,89	1,956
106	106	1332	SLE-ENVE	Min	-77,986	19,69	-1,68	19,76	-4,877
106	106	1051	SLE-ENVE	Min	-81,503	19,69	-1,26	19,73	-3,674
106	106	1050	SLE-ENVE	Min	-81,539	18,02	-1,26	18,06	-4,015
106	106	1311	SLE-ENVE	Min	-78,612	18,02	-1,68	18,09	-5,328
107	107	11	SLU-ENVE	Max	82,543	-12,93	59,92	61,3	102,181
107	107	12	SLU-ENVE	Max	77,858	-12,93	-7,58	14,99	-149,64
107	107	1167	SLU-ENVE	Max	77,32	-17,73	-7,58	19,28	-156,859
107	107	974	SLU-ENVE	Max	80,387	-17,73	59,92	62,48	106,481
107	107	11	SLU-ENVE	Min	-84,409	-59,89	21,24	63,55	160,476
107	107	12	SLU-ENVE	Min	-72,857	-59,89	-9,38	60,62	-171,102
107	107	1167	SLU-ENVE	Min	-73,148	-79,47	-9,38	80,02	-173,271
107	107	974	SLU-ENVE	Min	-83,775	-79,47	21,24	82,26	165,038

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
107	107	11	SLE-ENVE	Max	85,03	-13,33	37,43	39,74	109,603
107	107	12	SLE-ENVE	Max	80,945	-13,33	-5,31	14,35	-158,277
107	107	1167	SLE-ENVE	Max	80,432	-17,95	-5,31	18,72	-163,519
107	107	974	SLE-ENVE	Max	83,571	-17,95	37,43	41,52	115,622
107	107	11	SLE-ENVE	Min	-85,131	-36,54	18,42	40,92	153,251
107	107	12	SLE-ENVE	Min	-75,349	-36,54	-6,64	37,14	-169,697
107	107	1167	SLE-ENVE	Min	-75,619	-48,61	-6,64	49,06	-172,218
107	107	974	SLE-ENVE	Min	-84,602	-48,61	18,42	51,98	159,248
108	108	1166	SLU-ENVE	Max	75,051	31,48	0,95	31,49	1,725
108	108	1049	SLU-ENVE	Max	77,793	31,48	-12,1	33,72	-21,029
108	108	908	SLU-ENVE	Max	80,384	52,39	-12,1	53,77	-13,006
108	108	1131	SLU-ENVE	Max	74,601	52,39	0,95	52,4	1,036
108	108	1166	SLU-ENVE	Min	-80,097	17,35	-1,3	17,4	-4,274
108	108	1049	SLU-ENVE	Min	-78,939	17,35	-19,07	25,78	-47,695
108	108	908	SLU-ENVE	Min	-83,93	12,44	-19,07	22,76	-56,885
108	108	1131	SLU-ENVE	Min	-83,516	12,44	-1,3	12,5	-5,954
108	108	1166	SLE-ENVE	Max	80,521	19,97	0,45	19,97	1,285
108	108	1049	SLE-ENVE	Max	83,102	19,97	-9,31	22,03	-24,993
108	108	908	SLE-ENVE	Max	84,389	32,29	-9,31	33,61	-16,078
108	108	1131	SLE-ENVE	Max	79,709	32,29	0,45	32,3	0,795
108	108	1166	SLE-ENVE	Min	-81,034	13,7	-0,73	13,72	-3,063
108	108	1049	SLE-ENVE	Min	-79,772	13,7	-12,35	18,45	-42,03
108	108	908	SLE-ENVE	Min	-84,443	12,28	-12,35	17,42	-45,161
108	108	1131	SLE-ENVE	Min	-84,265	12,28	-0,73	12,31	-3,417
122	122	1312	SLU-ENVE	Max	76,543	-6,43	5,5	8,47	139,459
122	122	1313	SLU-ENVE	Max	28,601	-6,43	-1,2	6,54	-169,47
122	122	13	SLU-ENVE	Max	27,222	-5,82	-1,2	5,95	-168,395
122	122	12	SLU-ENVE	Max	76,113	-5,82	5,5	8,01	136,621
122	122	1312	SLU-ENVE	Min	-74,369	-50,35	-0,12	50,35	-179,863
122	122	1313	SLU-ENVE	Min	-71,853	-50,35	-3,12	50,44	-176,449
122	122	13	SLU-ENVE	Min	-72,792	-53,83	-3,12	53,92	-176,678
122	122	12	SLU-ENVE	Min	-74,071	-53,83	-0,12	53,83	-179,872
122	122	1312	SLE-ENVE	Max	79,242	-8,62	3,28	9,22	159,159
122	122	1313	SLE-ENVE	Max	34,326	-8,62	-0,97	8,67	-173,596
122	122	13	SLE-ENVE	Max	32,733	-8,44	-0,97	8,5	-173,464
122	122	12	SLE-ENVE	Max	79,007	-8,44	3,28	9,06	158,764
122	122	1312	SLE-ENVE	Min	-76,789	-30,45	0,41	30,45	179,224
122	122	1313	SLE-ENVE	Min	-72,635	-30,45	-2,01	30,52	-176,223
122	122	13	SLE-ENVE	Min	-73,623	-32,45	-2,01	32,51	-176,455
122	122	12	SLE-ENVE	Min	-76,645	-32,45	0,41	32,45	179,272
123	123	12	SLU-ENVE	Max	75,655	-5,85	-7,23	9,3	-128,951
123	123	13	SLU-ENVE	Max	27,62	-5,85	1,85	6,13	162,398
123	123	1168	SLU-ENVE	Max	27,281	-3,16	1,85	3,66	149,583
123	123	1167	SLU-ENVE	Max	75,838	-3,16	-7,23	7,89	-113,597
123	123	12	SLU-ENVE	Min	-74,088	-53,42	-10,12	54,37	-169,276
123	123	13	SLU-ENVE	Min	-73,428	-53,42	-2,39	53,48	-177,438
123	123	1168	SLU-ENVE	Min	-74,333	-51,05	-2,39	51,11	-177,319
123	123	1167	SLU-ENVE	Min	-74,784	-51,05	-10,12	52,04	-168,791
123	123	12	SLE-ENVE	Max	78,599	-8,43	-5,43	10,02	-147,208
123	123	13	SLE-ENVE	Max	33,131	-8,43	0,87	8,47	174,096
123	123	1168	SLE-ENVE	Max	33,063	-6,47	0,87	6,52	172,324
123	123	1167	SLE-ENVE	Max	78,797	-6,47	-5,43	8,44	-139,98
123	123	12	SLE-ENVE	Min	-76,729	-32,22	-6,64	32,89	-168,361

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
123	123	13	SLE-ENVE	Min	-74,337	-32,22	-1,38	32,24	-177,555
123	123	1168	SLE-ENVE	Min	-75,354	-30,57	-1,38	30,6	-177,424
123	123	1167	SLE-ENVE	Min	-77,36	-30,57	-6,64	31,28	-167,754
124	124	1313	SLU-ENVE	Max	27,883	3,23	-2,01	3,81	-31,912
124	124	1314	SLU-ENVE	Max	9,309	3,23	-0,44	3,26	-7,824
124	124	14	SLU-ENVE	Max	8,522	4,22	-0,44	4,24	-6,011
124	124	13	SLU-ENVE	Max	26,578	4,22	-2,01	4,67	-25,511
124	124	1313	SLU-ENVE	Min	-73,963	-41,85	-3,07	41,97	-175,808
124	124	1314	SLU-ENVE	Min	-78,148	-41,85	-1,22	41,87	-178,333
124	124	14	SLU-ENVE	Min	-78,86	-43,78	-1,22	43,79	-178,406
124	124	13	SLU-ENVE	Min	-74,676	-43,78	-3,07	43,88	-175,991
124	124	1313	SLE-ENVE	Max	33,786	-1,74	-1,38	2,22	-141,605
124	124	1314	SLE-ENVE	Max	9,683	-1,74	-0,32	1,77	-169,518
124	124	14	SLE-ENVE	Max	8,792	-1,18	-0,32	1,22	-164,724
124	124	13	SLE-ENVE	Max	32,439	-1,18	-1,38	1,82	-130,525
124	124	1313	SLE-ENVE	Min	-74,697	-24,75	-1,98	24,83	-175,434
124	124	1314	SLE-ENVE	Min	-76,855	-24,75	-0,58	24,76	-178,65
124	124	14	SLE-ENVE	Min	-77,687	-25,8	-0,58	25,81	-178,705
124	124	13	SLE-ENVE	Min	-75,421	-25,8	-1,98	25,87	-175,619
130	130	1078	SLU-ENVE	Max	59,796	-24,7	17,64	30,35	144,461
130	130	1390	SLU-ENVE	Max	56,789	-24,7	16,33	29,6	146,532
130	130	1369	SLU-ENVE	Max	57,697	-35,84	16,33	39,38	155,509
130	130	1077	SLU-ENVE	Max	61,952	-35,84	17,64	39,95	153,793
130	130	1078	SLU-ENVE	Min	66,803	-30,66	9,97	32,24	161,991
130	130	1390	SLU-ENVE	Min	62,744	-30,66	9,74	32,17	162,384
130	130	1369	SLU-ENVE	Min	64,654	-38,43	9,74	39,64	165,783
130	130	1077	SLU-ENVE	Min	69,508	-38,43	9,97	39,7	165,459
130	130	1078	SLE-ENVE	Max	62,355	-18,89	9,81	21,29	152,553
130	130	1390	SLE-ENVE	Max	58,302	-18,89	9,08	20,96	154,33
130	130	1369	SLE-ENVE	Max	59,357	-23,61	9,08	25,3	158,965
130	130	1077	SLE-ENVE	Max	63,907	-23,61	9,81	25,57	157,433
130	130	1078	SLE-ENVE	Min	69,105	-20,28	5,53	21,02	164,736
130	130	1390	SLE-ENVE	Min	65,127	-20,28	5,4	20,99	165,079
130	130	1369	SLE-ENVE	Min	67,076	-25,32	5,4	25,89	167,953
130	130	1077	SLE-ENVE	Min	71,833	-25,32	5,53	25,92	167,671
131	131	1077	SLU-ENVE	Max	62,062	-35,19	17,99	39,52	152,926
131	131	1369	SLU-ENVE	Max	57,932	-35,19	15,72	38,54	155,931
131	131	1348	SLU-ENVE	Max	59,449	-43,7	15,72	46,44	160,215
131	131	1076	SLU-ENVE	Max	64,274	-43,7	17,99	47,25	157,625
131	131	1077	SLU-ENVE	Min	69,645	-37,81	10,41	39,22	164,604
131	131	1369	SLU-ENVE	Min	64,962	-37,81	9,65	39,03	165,68
131	131	1348	SLU-ENVE	Min	67,456	-48,64	9,65	49,59	168,775
131	131	1076	SLU-ENVE	Min	72,485	-48,64	10,41	49,74	167,915
131	131	1077	SLE-ENVE	Max	64,032	-23,35	10,03	25,42	156,752
131	131	1369	SLE-ENVE	Max	59,614	-23,35	8,71	24,93	159,543
131	131	1348	SLE-ENVE	Max	61,061	-27,61	8,71	28,96	162,49
131	131	1076	SLE-ENVE	Max	66,065	-27,61	10,03	29,38	160,033
131	131	1077	SLE-ENVE	Min	71,974	-25,05	5,81	25,72	166,936
131	131	1369	SLE-ENVE	Min	67,389	-25,05	5,35	25,61	167,952
131	131	1348	SLE-ENVE	Min	69,532	-32,36	5,35	32,8	170,619
131	131	1076	SLE-ENVE	Min	74,518	-32,36	5,81	32,88	169,817
132	132	1076	SLU-ENVE	Max	64,314	-44,87	14,12	47,04	162,527
132	132	1348	SLU-ENVE	Max	59,632	-44,87	9,42	45,85	168,148



AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Element Forces - Area Shells, Part 3 of 3**

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
132	132	1327	SLU-ENVE	Max	62,267	-47,31	9,42	48,24	168,742
132	132	1075	SLU-ENVE	Max	65,823	-47,31	14,12	49,37	163,376
132	132	1076	SLU-ENVE	Min	72,532	-49,75	10,41	50,83	168,18
132	132	1348	SLU-ENVE	Min	67,767	-49,75	5,96	50,11	173,167
132	132	1327	SLU-ENVE	Min	71,492	-52,63	5,96	52,97	173,537
132	132	1075	SLU-ENVE	Min	74,579	-52,63	10,41	53,65	168,809
132	132	1076	SLE-ENVE	Max	66,121	-28,33	7,83	29,39	164,548
132	132	1348	SLE-ENVE	Max	61,235	-28,33	5	28,77	169,991
132	132	1327	SLE-ENVE	Max	63,711	-29,48	5	29,9	170,374
132	132	1075	SLE-ENVE	Max	67,402	-29,48	7,83	30,5	165,123
132	132	1076	SLE-ENVE	Min	74,568	-33,06	5,79	33,56	170,067
132	132	1348	SLE-ENVE	Min	69,811	-33,06	3,17	33,21	174,53
132	132	1327	SLE-ENVE	Min	72,959	-34,28	3,17	34,42	174,722
132	132	1075	SLE-ENVE	Min	76,158	-34,28	5,79	34,76	170,413
133	133	13	SLU-ENVE	Max	26,638	4,18	-0,29	4,19	-3,958
133	133	14	SLU-ENVE	Max	8,432	4,18	2,59	4,92	31,764
133	133	1169	SLU-ENVE	Max	7,701	4,64	2,59	5,31	29,18
133	133	1168	SLU-ENVE	Max	24,678	4,64	-0,29	4,65	-3,57
133	133	13	SLU-ENVE	Min	-74,637	-43,11	-1,52	43,14	-177,98
133	133	14	SLU-ENVE	Min	-78,455	-43,11	-2,1	43,16	-177,205
133	133	1169	SLU-ENVE	Min	-78,788	-44,74	-2,1	44,79	-177,307
133	133	1168	SLU-ENVE	Min	-74,978	-44,74	-1,52	44,76	-178,053
133	133	13	SLE-ENVE	Max	32,415	-1,14	-0,33	1,18	-163,889
133	133	14	SLE-ENVE	Max	8,599	-1,14	1,36	1,77	129,889
133	133	1169	SLE-ENVE	Max	7,734	-0,96	1,36	1,67	125,178
133	133	1168	SLE-ENVE	Max	30,047	-0,96	-0,33	1,01	-161,094
133	133	13	SLE-ENVE	Min	-75,375	-25,4	-0,94	25,42	-177,881
133	133	14	SLE-ENVE	Min	-77,194	-25,4	-1,04	25,42	-177,649
133	133	1169	SLE-ENVE	Min	-77,567	-26,34	-1,04	26,36	-177,733
133	133	1168	SLE-ENVE	Min	-75,693	-26,34	-0,94	26,36	-177,957
134	134	1074	SLU-ENVE	Max	67,673	-39,88	-25,26	47,21	-147,65
134	134	1306	SLU-ENVE	Max	69,044	-39,88	5,75	40,29	171,797
134	134	1141	SLU-ENVE	Max	73,262	-89,73	5,75	89,91	176,334
134	134	910	SLU-ENVE	Max	77,083	-89,73	-25,26	93,21	-164,276
134	134	1074	SLU-ENVE	Min	76,357	-47,34	-28,33	55,17	-149,101
134	134	1306	SLU-ENVE	Min	77,66	-47,34	3,41	47,46	175,883
134	134	1141	SLU-ENVE	Min	80,94	-119,12	3,41	119,17	178,361
134	134	910	SLU-ENVE	Min	82,989	-119,12	-28,33	122,44	-166,622
134	134	1074	SLE-ENVE	Max	68,734	-24,61	-15,86	29,28	-147,211
134	134	1306	SLE-ENVE	Max	70,2	-24,61	3	24,79	173,06
134	134	1141	SLE-ENVE	Max	74,377	-53,15	3	53,24	176,774
134	134	910	SLE-ENVE	Max	77,799	-53,15	-15,86	55,47	-163,391
134	134	1074	SLE-ENVE	Min	77,243	-30,22	-18,47	35,42	-148,562
134	134	1306	SLE-ENVE	Min	78,524	-30,22	1,83	30,27	176,538
134	134	1141	SLE-ENVE	Min	81,641	-70,85	1,83	70,87	178,522
134	134	910	SLE-ENVE	Min	83,394	-70,85	-18,47	73,22	-165,387
148	148	1314	SLU-ENVE	Max	7,729	12,65	-0,41	12,66	-1,834
148	148	1315	SLU-ENVE	Max	3,487	12,65	-0,7	12,67	-3,171
148	148	15	SLU-ENVE	Max	3,123	13,67	-0,7	13,69	-2,935
148	148	14	SLU-ENVE	Max	6,973	13,67	-0,41	13,68	-1,697
148	148	1314	SLU-ENVE	Min	-83,392	-35,02	-2,68	35,13	-175,625
148	148	1315	SLU-ENVE	Min	89,617	-35,02	-3,75	35,22	-173,889
148	148	15	SLU-ENVE	Min	-89,809	-38,24	-3,75	38,43	-174,4

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
148	148	14	SLU-ENVE	Min	-83,172	-38,24	-2,68	38,34	-175,992
148	148	1314	SLE-ENVE	Max	8,03	4,76	-0,16	4,76	-1,945
148	148	1315	SLE-ENVE	Max	3,504	4,76	-0,21	4,76	-2,522
148	148	15	SLE-ENVE	Max	3,101	5,29	-0,21	5,3	-2,266
148	148	14	SLE-ENVE	Max	7,176	5,29	-0,16	5,3	-1,748
148	148	1314	SLE-ENVE	Min	-82,551	-20,14	-1,58	20,2	-175,524
148	148	1315	SLE-ENVE	Min	89,603	-20,14	-2,12	20,25	-173,999
148	148	15	SLE-ENVE	Min	-89,681	-21,94	-2,12	22,04	-174,49
148	148	14	SLE-ENVE	Min	-82,318	-21,94	-1,58	22	-175,891
149	149	14	SLU-ENVE	Max	6,912	13,45	-0,007429	13,45	-0,032
149	149	15	SLU-ENVE	Max	3,075	13,45	-2,29	13,64	-9,642
149	149	1170	SLU-ENVE	Max	2,887	14,32	-2,29	14,5	-9,065
149	149	1169	SLU-ENVE	Max	6,269	14,32	-0,007429	14,32	-0,03
149	149	14	SLU-ENVE	Min	-82,642	-38,8	-1,34	38,83	-178,025
149	149	15	SLU-ENVE	Min	-89,256	-38,8	-7,09	39,45	-169,651
149	149	1170	SLU-ENVE	Min	-89,12	-42,39	-7,09	42,97	-170,509
149	149	1169	SLU-ENVE	Min	-82,92	-42,39	-1,34	42,41	-178,192
149	149	14	SLE-ENVE	Max	7,025	5,2	-0,11	5,2	-1,21
149	149	15	SLE-ENVE	Max	3,023	5,2	-1,02	5,3	-11,038
149	149	1170	SLE-ENVE	Max	2,785	5,67	-1,02	5,76	-10,147
149	149	1169	SLE-ENVE	Max	6,277	5,67	-0,11	5,67	-1,11
149	149	14	SLE-ENVE	Min	-81,686	-22,24	-0,68	22,25	-178,25
149	149	15	SLE-ENVE	Min	-88,982	-22,24	-3,96	22,59	-169,908
149	149	1170	SLE-ENVE	Min	-88,793	-24,24	-3,96	24,56	-170,725
149	149	1169	SLE-ENVE	Min	-81,987	-24,24	-0,68	24,25	-178,394
150	150	1315	SLU-ENVE	Max	4,204	23,1	0,37	23,1	0,906
150	150	1316	SLU-ENVE	Max	8,995	23,1	0,07469	23,1	0,185
150	150	16	SLU-ENVE	Max	7,944	24,61	0,07469	24,61	0,174
150	150	15	SLU-ENVE	Max	3,513	24,61	0,37	24,61	0,85
150	150	1315	SLU-ENVE	Min	87,03	15,76	-4,81	16,48	-16,965
150	150	1316	SLU-ENVE	Min	-89,653	15,76	-6,61	17,09	-22,757
150	150	16	SLU-ENVE	Min	-89,531	15,85	-6,61	17,17	-22,648
150	150	15	SLU-ENVE	Min	87,458	15,85	-4,81	16,56	-16,88
150	150	1315	SLE-ENVE	Max	4,246	11,73	0,36	11,73	1,777
150	150	1316	SLE-ENVE	Max	9,039	11,73	0,27	11,73	1,303
150	150	16	SLE-ENVE	Max	7,96	12,56	0,27	12,56	1,217
150	150	15	SLE-ENVE	Max	3,526	12,56	0,36	12,56	1,659
150	150	1315	SLE-ENVE	Min	86,465	8,27	-2,72	8,71	-18,184
150	150	1316	SLE-ENVE	Min	-89,65	8,27	-3,67	9,05	-23,943
150	150	16	SLE-ENVE	Min	-89,496	8,31	-3,67	9,09	-23,842
150	150	15	SLE-ENVE	Min	87,027	8,31	-2,72	8,75	-18,103
156	156	1390	SLU-ENVE	Max	58,005	-22,34	12,56	25,63	150,66
156	156	1391	SLU-ENVE	Max	52,258	-22,34	11,73	25,24	152,291
156	156	1370	SLU-ENVE	Max	52,7	-28,76	11,73	31,06	157,806
156	156	1369	SLU-ENVE	Max	59,172	-28,76	12,56	31,38	156,413
156	156	1390	SLU-ENVE	Min	64,284	-24,94	7,53	26,05	163,197
156	156	1391	SLU-ENVE	Min	57,203	-24,94	7,32	25,99	163,64
156	156	1370	SLU-ENVE	Min	58,107	-30,8	7,32	31,66	166,627
156	156	1369	SLU-ENVE	Min	66,46	-30,8	7,53	31,71	166,258
156	156	1390	SLE-ENVE	Max	59,626	-15,86	6,97	17,33	156,269
156	156	1391	SLE-ENVE	Max	53,526	-15,86	6,49	17,14	157,751
156	156	1370	SLE-ENVE	Max	54,001	-18,28	6,49	19,4	160,46
156	156	1369	SLE-ENVE	Max	60,951	-18,28	6,97	19,57	159,124

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Element Forces - Area Shells, Part 3 of 3**

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
156	156	1390	SLE-ENVE	Min	66,705	-16,28	4,17	16,8	165,617
156	156	1391	SLE-ENVE	Min	59,159	-16,28	4,04	16,77	166,049
156	156	1370	SLE-ENVE	Min	60,038	-19,96	4,04	20,37	168,55
156	156	1369	SLE-ENVE	Min	68,906	-19,96	4,17	20,39	168,191
157	157	1369	SLU-ENVE	Max	59,452	-28,65	12,03	31,07	157,229
157	157	1370	SLU-ENVE	Max	53,007	-28,65	10,4	30,48	160,053
157	157	1349	SLU-ENVE	Max	54,126	-33,39	10,4	34,97	162,703
157	157	1348	SLU-ENVE	Max	61,343	-33,39	12,03	35,49	160,192
157	157	1369	SLU-ENVE	Min	66,807	-30,62	7,47	31,52	166,294
157	157	1370	SLU-ENVE	Min	58,577	-30,62	6,38	31,28	168,239
157	157	1349	SLU-ENVE	Min	60,597	-37,09	6,38	37,63	170,245
157	157	1348	SLU-ENVE	Min	69,571	-37,09	7,47	37,83	168,613
157	157	1369	SLE-ENVE	Max	61,252	-18,24	6,66	19,42	159,93
157	157	1370	SLE-ENVE	Max	54,349	-18,24	5,68	19,1	162,687
157	157	1349	SLE-ENVE	Max	55,495	-20,85	5,68	21,61	164,751
157	157	1348	SLE-ENVE	Max	63,035	-20,85	6,66	21,89	162,28
157	157	1369	SLE-ENVE	Min	69,248	-19,95	4,14	20,37	168,284
157	157	1370	SLE-ENVE	Min	60,542	-19,95	3,48	20,25	170,093
157	157	1349	SLE-ENVE	Min	62,467	-24,02	3,48	24,27	171,747
157	157	1348	SLE-ENVE	Min	71,58	-24,02	4,14	24,37	170,229
158	158	1348	SLU-ENVE	Max	61,638	-33,13	6,12	33,69	169,541
158	158	1349	SLU-ENVE	Max	54,57	-33,13	6,82	33,82	168,37
158	158	1328	SLU-ENVE	Max	57,198	-37,92	6,82	38,53	169,806
158	158	1327	SLU-ENVE	Max	64,782	-37,92	6,12	38,41	170,838
158	158	1348	SLU-ENVE	Min	69,924	-36,67	3,64	36,85	174,327
158	158	1349	SLU-ENVE	Min	61,237	-36,67	3,94	36,88	173,86
158	158	1328	SLU-ENVE	Min	65,547	-44,28	3,94	44,45	174,909
158	158	1327	SLU-ENVE	Min	73,943	-44,28	3,64	44,43	175,297
158	158	1348	SLE-ENVE	Max	63,321	-20,71	3,21	20,96	171,201
158	158	1349	SLE-ENVE	Max	55,976	-20,71	3,6	21,02	170,145
158	158	1328	SLE-ENVE	Max	58,613	-23,32	3,6	23,6	171,23
158	158	1327	SLE-ENVE	Max	66,277	-23,32	3,21	23,54	172,174
158	158	1348	SLE-ENVE	Min	71,892	-23,75	1,9	23,82	175,426
158	158	1349	SLE-ENVE	Min	63,118	-23,75	2,08	23,84	174,983
158	158	1328	SLE-ENVE	Min	67,166	-28,23	2,08	28,31	175,776
158	158	1327	SLE-ENVE	Min	75,319	-28,23	1,9	28,29	176,15
159	159	15	SLU-ENVE	Max	3,15	24,26	-1,17	24,29	-2,758
159	159	16	SLU-ENVE	Max	7,82	24,26	-2,96	24,44	-6,966
159	159	1171	SLU-ENVE	Max	7,686	25,6	-2,96	25,77	-6,606
159	159	1170	SLU-ENVE	Max	3,002	25,6	-1,17	25,63	-2,614
159	159	15	SLU-ENVE	Min	87,544	14,61	-8,76	17,04	-30,953
159	159	16	SLU-ENVE	Min	-89,392	14,61	-19,58	24,43	-53,258
159	159	1171	SLU-ENVE	Min	-89,439	13,11	-19,58	23,56	-56,196
159	159	1170	SLU-ENVE	Min	87,767	13,11	-8,76	15,77	-33,77
159	159	15	SLE-ENVE	Max	3,135	12,38	-0,43	12,39	-1,975
159	159	16	SLE-ENVE	Max	7,816	12,38	-1,34	12,46	-6,179
159	159	1171	SLE-ENVE	Max	7,659	13,11	-1,34	13,18	-5,839
159	159	1170	SLE-ENVE	Max	2,968	13,11	-0,43	13,12	-1,866
159	159	15	SLE-ENVE	Min	87,193	7,64	-4,91	9,08	-32,7
159	159	16	SLE-ENVE	Min	-89,336	7,64	-10,87	13,28	-54,891
159	159	1171	SLE-ENVE	Min	-89,362	6,79	-10,87	12,81	-58,001
159	159	1170	SLE-ENVE	Min	87,507	6,79	-4,91	8,38	-35,843
160	160	1306	SLU-ENVE	Max	71,834	-42,15	-4	42,34	-174,573

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
160	160	1307	SLU-ENVE	Max	64,192	-42,15	-6,3	42,62	-171,502
160	160	1139	SLU-ENVE	Max	70,851	-45,34	-6,3	45,77	-172,092
160	160	1141	SLU-ENVE	Max	75,678	-45,34	-4	45,51	-174,952
160	160	1306	SLU-ENVE	Min	79,772	-51,49	-5,37	51,77	-174,045
160	160	1307	SLU-ENVE	Min	74,022	-51,49	-9,37	52,34	-169,686
160	160	1139	SLU-ENVE	Min	79,982	-55,57	-9,37	56,35	-170,428
160	160	1141	SLU-ENVE	Min	82,554	-55,57	-5,37	55,83	-174,479
160	160	1306	SLE-ENVE	Max	73,019	-25,53	-2,43	25,64	-174,558
160	160	1307	SLE-ENVE	Max	65,704	-25,53	-3,64	25,78	-171,887
160	160	1139	SLE-ENVE	Max	72,233	-27,47	-3,64	27,71	-172,454
160	160	1141	SLE-ENVE	Max	76,756	-27,47	-2,43	27,57	-174,941
160	160	1306	SLE-ENVE	Min	80,579	-31,94	-3,31	32,11	-174,075
160	160	1307	SLE-ENVE	Min	75,224	-31,94	-5,35	32,38	-170,498
160	160	1139	SLE-ENVE	Min	80,757	-34,45	-5,35	34,86	-171,179
160	160	1141	SLE-ENVE	Min	83,182	-34,45	-3,31	34,61	-174,504
174	174	1316	SLU-ENVE	Max	12,115	103,58	1,39	103,59	0,768
174	174	1317	SLU-ENVE	Max	40,925	103,58	2,41	103,61	1,332
174	174	17	SLU-ENVE	Max	39,729	110,49	2,41	110,52	1,248
174	174	16	SLU-ENVE	Max	11,198	110,49	1,39	110,5	0,72
174	174	1316	SLU-ENVE	Min	-86,755	32,8	-4,27	33,08	-7,425
174	174	1317	SLU-ENVE	Min	-85,261	32,8	-2,59	32,91	-4,518
174	174	17	SLU-ENVE	Min	-85,435	34,63	-2,59	34,73	-4,281
174	174	16	SLU-ENVE	Min	-86,792	34,63	-4,27	34,89	-7,037
174	174	1316	SLE-ENVE	Max	12,187	56,73	0,99	56,74	1,004
174	174	1317	SLE-ENVE	Max	40,783	56,73	1,54	56,75	1,558
174	174	17	SLE-ENVE	Max	39,571	60,57	1,54	60,59	1,46
174	174	16	SLE-ENVE	Max	11,246	60,57	0,99	60,58	0,94
174	174	1316	SLE-ENVE	Min	-86,314	18,2	-2,38	18,35	-7,46
174	174	1317	SLE-ENVE	Min	-84,817	18,2	-1,43	18,25	-4,485
174	174	17	SLE-ENVE	Min	-85,049	19,22	-1,43	19,27	-4,247
174	174	16	SLE-ENVE	Min	-86,406	19,22	-2,38	19,37	-7,066
175	175	16	SLU-ENVE	Max	11,134	110,03	-1,54	110,05	-0,802
175	175	17	SLU-ENVE	Max	39,721	110,03	-2,89	110,07	-1,507
175	175	1172	SLU-ENVE	Max	42,841	116,35	-2,89	116,39	-1,425
175	175	1171	SLU-ENVE	Max	11,047	116,35	-1,54	116,36	-0,758
175	175	16	SLU-ENVE	Min	-86,669	34,43	-16,85	38,33	-26,073
175	175	17	SLU-ENVE	Min	-85,193	34,43	-18,04	38,87	-27,653
175	175	1172	SLU-ENVE	Min	-85,556	36,63	-18,04	40,84	-26,218
175	175	1171	SLU-ENVE	Min	-86,855	36,63	-16,85	40,32	-24,697
175	175	16	SLE-ENVE	Max	11,165	60,33	-0,56	60,33	-0,528
175	175	17	SLE-ENVE	Max	39,56	60,33	-1,3	60,34	-1,236
175	175	1172	SLE-ENVE	Max	42,651	63,83	-1,3	63,84	-1,168
175	175	1171	SLE-ENVE	Max	11,061	63,83	-0,56	63,83	-0,499
175	175	16	SLE-ENVE	Min	-86,265	19,11	-9,36	21,28	-26,099
175	175	17	SLE-ENVE	Min	-84,817	19,11	-9,98	21,56	-27,577
175	175	1172	SLE-ENVE	Min	-85,25	20,32	-9,98	22,64	-26,156
175	175	1171	SLE-ENVE	Min	-86,52	20,32	-9,36	22,38	-24,733
176	176	1318	SLU-ENVE	Max	-89,769	207,88	31,48	210,25	8,61
176	176	1000	SLU-ENVE	Max	-85,864	207,88	-69,16	219,08	-18,402
176	176	18	SLU-ENVE	Max	-87,972	147,14	-69,16	162,58	-25,175
176	176	19	SLU-ENVE	Max	88,417	147,14	31,48	150,47	12,075
176	176	1318	SLU-ENVE	Min	-78,396	61,44	16,89	63,72	15,373
176	176	1000	SLU-ENVE	Min	-81,807	61,44	-146,05	158,45	-67,185

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
176	176	18	SLU-ENVE	Min	-83,767	22,57	-146,05	147,78	-81,214
176	176	19	SLU-ENVE	Min	-80,496	22,57	16,89	28,19	36,809
176	176	1318	SLE-ENVE	Max	-89,742	113,95	17,42	115,27	8,691
176	176	1000	SLE-ENVE	Max	-85,699	113,95	-38,8	120,37	-18,803
176	176	18	SLE-ENVE	Max	-87,885	80,56	-38,8	89,42	-25,714
176	176	19	SLE-ENVE	Max	88,346	80,56	17,42	82,43	12,2
176	176	1318	SLE-ENVE	Min	-78,125	36,13	9,37	37,32	14,536
176	176	1000	SLE-ENVE	Min	-81,783	36,13	-80,26	88,02	-65,766
176	176	18	SLE-ENVE	Min	-83,785	14,41	-80,26	81,54	-79,818
176	176	19	SLE-ENVE	Min	-80,339	14,41	9,37	17,19	33,018
182	182	1391	SLU-ENVE	Max	52,732	-16,16	9,35	18,67	149,956
182	182	1392	SLU-ENVE	Max	47,173	-16,16	9,23	18,61	150,259
182	182	1371	SLU-ENVE	Max	46,303	-19,28	9,23	21,38	154,411
182	182	1370	SLU-ENVE	Max	53,3	-19,28	9,35	21,43	154,137
182	182	1391	SLU-ENVE	Min	57,944	-17,08	5,79	18,04	161,293
182	182	1392	SLU-ENVE	Min	48,735	-17,08	5,77	18,03	161,335
182	182	1371	SLU-ENVE	Min	46,657	-21,43	5,77	22,19	164,925
182	182	1370	SLU-ENVE	Min	59,038	-21,43	5,79	22,19	164,889
182	182	1391	SLE-ENVE	Max	54,072	-10,8	5,17	11,97	154,427
182	182	1392	SLE-ENVE	Max	47,672	-10,8	5,08	11,94	154,806
182	182	1371	SLE-ENVE	Max	46,843	-12,53	5,08	13,52	157,923
182	182	1370	SLE-ENVE	Max	54,685	-12,53	5,17	13,55	157,581
182	182	1391	SLE-ENVE	Min	59,98	-11,53	3,19	11,96	164,522
182	182	1392	SLE-ENVE	Min	49,439	-11,53	3,17	11,95	164,618
182	182	1371	SLE-ENVE	Min	47,423	-14,2	3,17	14,55	167,409
182	182	1370	SLE-ENVE	Min	61,05	-14,2	3,19	14,55	167,329
183	183	1370	SLU-ENVE	Max	53,652	-19,01	7,79	20,55	157,713
183	183	1371	SLU-ENVE	Max	46,365	-19,01	7,61	20,48	158,184
183	183	1350	SLU-ENVE	Max	46,083	-22,35	7,61	23,62	161,197
183	183	1349	SLU-ENVE	Max	55,058	-22,35	7,79	23,67	160,78
183	183	1370	SLU-ENVE	Min	59,558	-21,03	4,74	21,55	167,308
183	183	1371	SLU-ENVE	Min	46,716	-21,03	4,63	21,53	167,586
183	183	1350	SLU-ENVE	Min	45,627	-26,38	4,63	26,78	170,049
183	183	1349	SLU-ENVE	Min	61,931	-26,38	4,74	26,8	169,824
183	183	1370	SLE-ENVE	Max	55,08	-12,38	4,26	13,1	161,028
183	183	1371	SLE-ENVE	Max	46,936	-12,38	4,14	13,06	161,532
183	183	1350	SLE-ENVE	Max	46,741	-14,22	4,14	14,81	163,786
183	183	1349	SLE-ENVE	Max	56,534	-14,22	4,26	14,85	163,337
183	183	1370	SLE-ENVE	Min	61,603	-13,99	2,58	14,22	169,545
183	183	1371	SLE-ENVE	Min	47,525	-13,99	2,51	14,21	169,815
183	183	1350	SLE-ENVE	Min	46,588	-16,92	2,51	17,11	171,552
183	183	1349	SLE-ENVE	Min	63,874	-16,92	2,58	17,12	171,327
184	184	1349	SLU-ENVE	Max	55,611	-22,05	3,87	22,39	170,034
184	184	1350	SLU-ENVE	Max	46,164	-22,05	3,95	22,4	169,836
184	184	1329	SLU-ENVE	Max	47,442	-25,69	3,95	25,99	171,252
184	184	1328	SLU-ENVE	Max	58,787	-25,69	3,87	25,98	171,423
184	184	1349	SLU-ENVE	Min	62,7	-25,9	2,18	25,99	175,185
184	184	1350	SLU-ENVE	Min	45,648	-25,9	2,27	26	174,981
184	184	1329	SLU-ENVE	Min	48,129	-31,74	2,27	31,82	175,901
184	184	1328	SLU-ENVE	Min	67,567	-31,74	2,18	31,82	176,068
184	184	1349	SLE-ENVE	Max	57,131	-14,05	2	14,19	171,917
184	184	1350	SLE-ENVE	Max	46,877	-14,05	2,08	14,21	171,572
184	184	1329	SLE-ENVE	Max	48,308	-16,06	2,08	16,2	172,614

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
184	184	1328	SLE-ENVE	Max	60,329	-16,06	2	16,19	172,918
184	184	1349	SLE-ENVE	Min	64,649	-16,66	1,12	16,69	176,167
184	184	1350	SLE-ENVE	Min	46,69	-16,66	1,2	16,7	175,887
184	184	1329	SLE-ENVE	Min	49,455	-19,86	1,2	19,9	176,549
184	184	1328	SLE-ENVE	Min	69,203	-19,86	1,12	19,89	176,784
185	185	19	SLU-ENVE	Max	81,833	151,94	15,03	152,68	5,65
185	185	18	SLU-ENVE	Max	-89,963	151,94	260,32	301,41	59,73
185	185	999	SLU-ENVE	Max	89,564	289,41	260,32	389,26	41,971
185	185	1173	SLU-ENVE	Max	81,106	289,41	15,03	289,8	2,973
185	185	19	SLU-ENVE	Min	-83,467	26,2	5,34	26,74	11,521
185	185	18	SLU-ENVE	Min	-84,387	26,2	134,53	137,06	78,978
185	185	999	SLU-ENVE	Min	-83,989	101,2	134,53	168,35	53,047
185	185	1173	SLU-ENVE	Min	-83,15	101,2	5,34	101,34	3,021
185	185	19	SLE-ENVE	Max	81,424	83,2	8,44	83,62	5,796
185	185	18	SLE-ENVE	Max	-89,912	83,2	143,34	165,74	59,869
185	185	999	SLE-ENVE	Max	89,61	158,89	143,34	214	42,055
185	185	1173	SLE-ENVE	Max	80,638	158,89	8,44	159,12	3,042
185	185	19	SLE-ENVE	Min	-83,417	16,33	3,27	16,66	11,306
185	185	18	SLE-ENVE	Min	-84,422	16,33	74,38	76,15	77,616
185	185	999	SLE-ENVE	Min	-84,047	57,57	74,38	94,06	52,26
185	185	1173	SLE-ENVE	Min	-83,136	57,57	3,27	57,66	3,246
186	186	1307	SLU-ENVE	Max	67,056	-28,06	-7,23	28,97	-165,544
186	186	1308	SLU-ENVE	Max	54,597	-28,06	-4,57	28,43	-170,742
186	186	1137	SLU-ENVE	Max	65,078	-29,31	-4,57	29,67	-171,132
186	186	1139	SLU-ENVE	Max	73,906	-29,31	-7,23	30,19	-166,139
186	186	1307	SLU-ENVE	Min	76,646	-35,89	-10,52	37,4	-163,669
186	186	1308	SLU-ENVE	Min	62,328	-35,89	-7,79	36,73	-167,759
186	186	1137	SLU-ENVE	Min	76,839	-37,36	-7,79	38,16	-168,227
186	186	1139	SLU-ENVE	Min	81,991	-37,36	-10,52	38,81	-164,279
186	186	1307	SLE-ENVE	Max	68,648	-17,28	-4,21	17,79	-166,296
186	186	1308	SLE-ENVE	Max	55,989	-17,28	-2,44	17,45	-171,956
186	186	1137	SLE-ENVE	Max	66,401	-18,09	-2,44	18,25	-172,309
186	186	1139	SLE-ENVE	Max	75,257	-18,09	-4,21	18,57	-166,884
186	186	1307	SLE-ENVE	Min	77,762	-22,03	-6,06	22,84	-164,623
186	186	1308	SLE-ENVE	Min	64,043	-22,03	-4,18	22,42	-169,249
186	186	1137	SLE-ENVE	Min	77,711	-22,97	-4,18	23,34	-169,679
186	186	1139	SLE-ENVE	Min	82,706	-22,97	-6,06	23,75	-165,224
200	200	1319	SLU-ENVE	Max	-50,571	-158,03	6,25	158,15	177,733
200	200	1320	SLU-ENVE	Max	-20,487	-158,03	5,2	158,11	178,117
200	200	20	SLU-ENVE	Max	-19,379	-170,9	5,2	170,98	178,258
200	200	21	SLU-ENVE	Max	-51,132	-170,9	6,25	171,02	177,904
200	200	1319	SLU-ENVE	Min	-67,079	-194,06	-0,55	194,06	-179,837
200	200	1320	SLU-ENVE	Min	-35,439	-194,06	-0,06042	194,06	-179,982
200	200	20	SLU-ENVE	Min	-34,096	-213,25	-0,06042	213,25	-179,984
200	200	21	SLU-ENVE	Min	-68,22	-213,25	-0,55	213,25	-179,852
200	200	1319	SLE-ENVE	Max	-49,962	-84,64	3,43	84,71	177,676
200	200	1320	SLE-ENVE	Max	-20,874	-84,64	2,89	84,69	178,041
200	200	20	SLE-ENVE	Max	-19,746	-91,79	2,89	91,84	178,194
200	200	21	SLE-ENVE	Max	-50,58	-91,79	3,43	91,85	177,857
200	200	1319	SLE-ENVE	Min	-66,789	-107,3	-0,37	107,3	-179,803
200	200	1320	SLE-ENVE	Min	-34,784	-107,3	-0,07857	107,3	-179,958
200	200	20	SLE-ENVE	Min	-33,44	-117,97	-0,07857	117,97	-179,962
200	200	21	SLE-ENVE	Min	-67,979	-117,97	-0,37	117,97	-179,821

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Element Forces - Area Shells, Part 3 of 3**

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
201	201	21	SLU-ENVE	Max	-50,812	-171,25	5,68	171,35	178,099
201	201	20	SLU-ENVE	Max	-19,238	-171,25	-4,91	171,32	-178,357
201	201	1175	SLU-ENVE	Max	-18,916	-176,24	-4,91	176,31	-178,404
201	201	1174	SLU-ENVE	Max	-49,975	-176,24	5,68	176,34	178,153
201	201	21	SLU-ENVE	Min	-67,692	-214,48	-7,4	214,61	-178,024
201	201	20	SLU-ENVE	Min	-34,069	-214,48	-15,27	215,02	-175,926
201	201	1175	SLU-ENVE	Min	-34,58	-220,99	-15,27	221,52	-176,046
201	201	1174	SLU-ENVE	Min	-67,704	-220,99	-7,4	221,12	-178,082
201	201	21	SLE-ENVE	Max	-50,283	-91,99	3,26	92,04	177,969
201	201	20	SLE-ENVE	Max	-19,609	-91,99	-2,68	92,02	-178,331
201	201	1175	SLE-ENVE	Max	-19,286	-94,8	-2,68	94,84	-178,38
201	201	1174	SLE-ENVE	Max	-49,444	-94,8	3,26	94,86	178,03
201	201	21	SLE-ENVE	Min	-67,462	-118,64	-4,05	118,71	-178,045
201	201	20	SLE-ENVE	Min	-33,403	-118,64	-8,42	118,94	-175,941
201	201	1175	SLE-ENVE	Min	-33,89	-122,31	-8,42	122,6	-176,062
201	201	1174	SLE-ENVE	Min	-67,495	-122,31	-4,05	122,38	-178,104
202	202	1320	SLU-ENVE	Max	-19,589	-74,93	-2,91	74,99	-177,778
202	202	1321	SLU-ENVE	Max	-9,756	-74,93	-2,54	74,97	-178,057
202	202	22	SLU-ENVE	Max	-8,924	-77,94	-2,54	77,98	-178,132
202	202	20	SLU-ENVE	Max	-18,185	-77,94	-2,91	77,99	-177,864
202	202	1320	SLU-ENVE	Min	-34,895	-136,37	-4,78	136,45	-177,993
202	202	1321	SLU-ENVE	Min	-16,197	-136,37	-4,53	136,44	-178,098
202	202	22	SLU-ENVE	Min	-15,026	-144,98	-4,53	145,05	-178,211
202	202	20	SLU-ENVE	Min	-33,565	-144,98	-4,78	145,06	-178,112
202	202	1320	SLE-ENVE	Max	-19,968	-38,84	-1,61	38,88	-177,63
202	202	1321	SLE-ENVE	Max	-10,1	-38,84	-1,55	38,87	-177,71
202	202	22	SLE-ENVE	Max	-9,227	-40,5	-1,55	40,53	-177,804
202	202	20	SLE-ENVE	Max	-18,538	-40,5	-1,61	40,54	-177,727
202	202	1320	SLE-ENVE	Min	-34,214	-73,66	-2,69	73,71	-177,905
202	202	1321	SLE-ENVE	Min	-15,902	-73,66	-2,46	73,7	-178,085
202	202	22	SLE-ENVE	Min	-14,739	-78,44	-2,46	78,48	-178,201
202	202	20	SLE-ENVE	Min	-32,871	-78,44	-2,69	78,48	-178,033
208	208	1392	SLU-ENVE	Max	47,215	-7,98	7,49	10,94	136,821
208	208	935	SLU-ENVE	Max	43,466	-7,98	8,48	11,64	133,251
208	208	933	SLU-ENVE	Max	41,233	-10,14	8,48	13,22	140,085
208	208	1371	SLU-ENVE	Max	46,336	-10,14	7,49	12,6	143,555
208	208	1392	SLU-ENVE	Min	48,808	-9,51	4,65	10,59	153,967
208	208	935	SLU-ENVE	Min	41,093	-9,51	5,3	10,89	150,878
208	208	933	SLU-ENVE	Min	35,939	-12,87	5,3	13,92	157,627
208	208	1371	SLU-ENVE	Min	46,697	-12,87	4,65	13,69	160,155
208	208	1392	SLE-ENVE	Max	47,724	-5,3	4,12	6,71	142,161
208	208	935	SLE-ENVE	Max	43,478	-5,3	4,66	7,06	138,696
208	208	933	SLE-ENVE	Max	41,269	-6,5	4,66	7,99	144,353
208	208	1371	SLE-ENVE	Max	46,892	-6,5	4,12	7,69	147,624
208	208	1392	SLE-ENVE	Min	49,527	-6,16	2,55	6,67	157,517
208	208	935	SLE-ENVE	Min	41,053	-6,16	2,91	6,81	154,733
208	208	933	SLE-ENVE	Min	35,951	-8,01	2,91	8,52	160,049
208	208	1371	SLE-ENVE	Min	47,485	-8,01	2,55	8,41	162,344
209	209	1371	SLU-ENVE	Max	46,402	-9,77	5,7	11,31	149,746
209	209	933	SLU-ENVE	Max	41,017	-9,77	6,74	11,87	145,401
209	209	931	SLU-ENVE	Max	38,899	-12,12	6,74	13,87	150,92
209	209	1350	SLU-ENVE	Max	46,129	-12,12	5,7	13,39	154,815
209	209	1371	SLU-ENVE	Min	46,76	-12,31	3,42	12,78	164,495

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Element Forces - Area Shells, Part 3 of 3**

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
209	209	933	SLU-ENVE	Min	35,454	-12,31	4,11	12,98	161,534
209	209	931	SLU-ENVE	Min	30,761	-15,97	4,11	16,49	165,559
209	209	1350	SLU-ENVE	Min	45,647	-15,97	3,42	16,33	167,924
209	209	1371	SLE-ENVE	Max	46,99	-6,29	3,08	7,01	153,887
209	209	933	SLE-ENVE	Max	41,056	-6,29	3,66	7,28	149,798
209	209	931	SLE-ENVE	Max	38,985	-7,6	3,66	8,43	154,265
209	209	1350	SLE-ENVE	Max	46,817	-7,6	3,08	8,2	157,906
209	209	1371	SLE-ENVE	Min	47,594	-7,7	1,84	7,92	166,544
209	209	933	SLE-ENVE	Min	35,467	-7,7	2,23	8,02	163,831
209	209	931	SLE-ENVE	Min	30,868	-9,72	2,23	9,97	167,063
209	209	1350	SLE-ENVE	Min	46,654	-9,72	1,84	9,89	169,266
210	210	1350	SLU-ENVE	Max	46,218	-11,78	1,87	11,92	170,97
210	210	931	SLU-ENVE	Max	38,294	-11,78	2,4	12,02	168,481
210	210	929	SLU-ENVE	Max	37,018	-14,41	2,4	14,6	170,541
210	210	1329	SLU-ENVE	Max	47,624	-14,41	1,87	14,53	172,598
210	210	1350	SLU-ENVE	Min	45,671	-15,45	0,95	15,48	176,49
210	210	931	SLU-ENVE	Min	29,552	-15,45	1,31	15,51	175,145
210	210	929	SLU-ENVE	Min	26,94	-19,5	1,31	19,54	176,148
210	210	1329	SLU-ENVE	Min	48,371	-19,5	0,95	19,52	177,217
210	210	1350	SLE-ENVE	Max	46,968	-7,41	0,93	7,46	172,866
210	210	931	SLE-ENVE	Max	38,391	-7,41	1,24	7,51	170,508
210	210	929	SLE-ENVE	Max	37,198	-8,89	1,24	8,97	172,067
210	210	1329	SLE-ENVE	Max	48,56	-8,89	0,93	8,93	174,045
210	210	1350	SLE-ENVE	Min	46,769	-9,43	0,46	9,44	177,231
210	210	931	SLE-ENVE	Min	29,667	-9,43	0,67	9,46	175,954
210	210	929	SLE-ENVE	Min	27,177	-11,7	0,67	11,71	176,735
210	210	1329	SLE-ENVE	Min	49,804	-11,7	0,46	11,7	177,767
211	211	20	SLU-ENVE	Max	-18,106	-76,08	-11,88	77	-171,121
211	211	22	SLU-ENVE	Max	-8,839	-76,08	-4,55	76,21	-176,579
211	211	1176	SLU-ENVE	Max	-8,434	-76,53	-4,55	76,67	-176,599
211	211	1175	SLU-ENVE	Max	-17,722	-76,53	-11,88	77,45	-171,173
211	211	20	SLU-ENVE	Min	-33,585	-143,89	-21,66	145,51	-171,44
211	211	22	SLU-ENVE	Min	-15,104	-143,89	-12,91	144,47	-174,871
211	211	1176	SLU-ENVE	Min	-14,584	-150,48	-12,91	151,03	-175,095
211	211	1175	SLU-ENVE	Min	-33,676	-150,48	-21,66	152,03	-171,809
211	211	20	SLE-ENVE	Max	-18,462	-39,5	-6,54	40,04	-170,598
211	211	22	SLE-ENVE	Max	-9,135	-39,5	-2,68	39,59	-176,118
211	211	1176	SLE-ENVE	Max	-8,707	-39,74	-2,68	39,83	-176,141
211	211	1175	SLE-ENVE	Max	-18,064	-39,74	-6,54	40,28	-170,654
211	211	20	SLE-ENVE	Min	-32,882	-77,85	-11,93	78,76	-171,287
211	211	22	SLE-ENVE	Min	-14,796	-77,85	-7,3	78,19	-174,643
211	211	1176	SLE-ENVE	Min	-14,206	-81,51	-7,3	81,83	-174,882
211	211	1175	SLE-ENVE	Min	-32,952	-81,51	-11,93	82,38	-171,672
212	212	1308	SLU-ENVE	Max	56,885	-16,87	-5,58	17,77	-161,711
212	212	927	SLU-ENVE	Max	31,983	-16,87	-10,1	19,66	-149,091
212	212	912	SLU-ENVE	Max	45,65	-21,85	-10,1	24,07	-155,191
212	212	1137	SLU-ENVE	Max	69,567	-21,85	-5,58	22,55	-165,685
212	212	1308	SLU-ENVE	Min	65,722	-23,37	-9,26	25,14	-158,382
212	212	927	SLU-ENVE	Min	18,869	-23,37	-16,59	28,66	-144,638
212	212	912	SLU-ENVE	Min	45,884	-31,44	-16,59	35,55	-152,19
212	212	1137	SLU-ENVE	Min	80	-31,44	-9,26	32,78	-163,588
212	212	1308	SLE-ENVE	Max	58,578	-10,24	-3,02	10,68	-163,561
212	212	927	SLE-ENVE	Max	32,258	-10,24	-5,43	11,59	-152,081



AUTOSTRADA VALDASTICO A31 NORD  
 1° LOTTO – Piovone Rocchette – Valle dell'Astico

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle Degrees	V13 KN/m	V23 KN/m	VMax KN/m	VAngle Degrees
212	212	912	SLE-ENVE	Max	45,751	-12,97	-5,43	14,06	-157,288
212	212	1137	SLE-ENVE	Max	70,825	-12,97	-3,02	13,32	-166,881
212	212	1308	SLE-ENVE	Min	67,604	-13,84	-5,03	14,72	-160,039
212	212	927	SLE-ENVE	Min	19,034	-13,84	-9	16,51	-146,948
212	212	912	SLE-ENVE	Min	46,039	-18,25	-9	20,35	-153,742
212	212	1137	SLE-ENVE	Min	80,68	-18,25	-5,03	18,93	-164,605
226	226	1321	SLU-ENVE	Max	-6,973	-25,47	-4,1	25,8	-170,853
226	226	1322	SLU-ENVE	Max	-3,091	-25,47	-1,28	25,5	-177,113
226	226	23	SLU-ENVE	Max	-2,763	-25,58	-1,28	25,62	-177,126
226	226	22	SLU-ENVE	Max	-6,36	-25,58	-4,1	25,91	-170,894
226	226	1321	SLU-ENVE	Min	-12,432	-58,69	-8,51	59,31	-171,75
226	226	1322	SLU-ENVE	Min	-6,3	-58,69	-7,35	59,15	-172,86
226	226	23	SLU-ENVE	Min	-5,789	-61,98	-7,35	62,41	-173,235
226	226	22	SLU-ENVE	Min	-11,482	-61,98	-8,51	62,56	-172,181
226	226	1321	SLE-ENVE	Max	-7,224	-11,73	-2,4	11,97	-168,441
226	226	1322	SLE-ENVE	Max	-3,185	-11,73	-0,96	11,77	-175,299
226	226	23	SLE-ENVE	Max	-2,837	-11,73	-0,96	11,77	-175,3
226	226	22	SLE-ENVE	Max	-6,572	-11,73	-2,4	11,97	-168,444
226	226	1321	SLE-ENVE	Min	-12,174	-30,32	-4,78	30,69	-171,048
226	226	1322	SLE-ENVE	Min	-6,185	-30,32	-4,24	30,61	-172,04
226	226	23	SLE-ENVE	Min	-5,668	-32,13	-4,24	32,4	-172,483
226	226	22	SLE-ENVE	Min	-11,23	-32,13	-4,78	32,48	-171,545
227	227	22	SLU-ENVE	Max	-6,328	-24,15	-5,59	24,79	-166,959
227	227	23	SLU-ENVE	Max	-2,709	-24,15	6,21	24,94	165,575
227	227	1177	SLU-ENVE	Max	-2,561	-22,52	6,21	23,36	164,577
227	227	1176	SLU-ENVE	Max	-6,003	-22,52	-5,59	23,2	-166,049
227	227	22	SLU-ENVE	Min	-11,637	-61,35	-16,34	63,49	-165,082
227	227	23	SLU-ENVE	Min	-5,795	-61,35	-13,64	62,85	-167,464
227	227	1177	SLU-ENVE	Min	-5,38	-65,09	-13,64	66,5	-168,163
227	227	1176	SLU-ENVE	Min	-11,152	-65,09	-16,34	67,11	-165,903
227	227	22	SLE-ENVE	Max	-6,536	-10,96	-3,22	11,43	-163,618
227	227	23	SLE-ENVE	Max	-2,773	-10,96	3,16	11,41	163,901
227	227	1177	SLE-ENVE	Max	-2,613	-10,03	3,16	10,52	162,49
227	227	1176	SLE-ENVE	Max	-6,185	-10,03	-3,22	10,54	-162,186
227	227	22	SLE-ENVE	Min	-11,36	-31,81	-9,16	33,1	-163,929
227	227	23	SLE-ENVE	Min	-5,652	-31,81	-7,75	32,74	-166,299
227	227	1177	SLE-ENVE	Min	-5,195	-33,87	-7,75	34,75	-167,105
227	227	1176	SLE-ENVE	Min	-10,812	-33,87	-9,16	35,09	-164,862
228	228	1322	SLU-ENVE	Max	-0,262	30,22	-2,25	30,3	-4,252
228	228	1323	SLU-ENVE	Max	2,895	30,22	-2,16	30,3	-4,089
228	228	24	SLU-ENVE	Max	2,78	33	-2,16	33,07	-3,745
228	228	23	SLU-ENVE	Max	-0,163	33	-2,25	33,07	-3,895
228	228	1322	SLU-ENVE	Min	-2,279	-19,6	-7,56	21,01	-158,904
228	228	1323	SLU-ENVE	Min	2,233	-19,6	-6,23	20,57	-162,38
228	228	24	SLU-ENVE	Min	1,847	-21,71	-6,23	22,58	-163,995
228	228	23	SLU-ENVE	Min	-2,234	-21,71	-7,56	22,99	-160,79
228	228	1322	SLE-ENVE	Max	-0,258	17,9	-1,48	17,96	-4,713
228	228	1323	SLE-ENVE	Max	3,132	17,9	-1,57	17,96	-5,015
228	228	24	SLE-ENVE	Max	3,009	19,6	-1,57	19,66	-4,581
228	228	23	SLE-ENVE	Max	-0,15	19,6	-1,48	19,66	-4,305
228	228	1322	SLE-ENVE	Min	-2,219	-8,83	-4,34	9,84	-153,843
228	228	1323	SLE-ENVE	Min	2,218	-8,83	-3,71	9,58	-157,219
228	228	24	SLE-ENVE	Min	1,853	-9,98	-3,71	10,65	-159,617

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
228	228	23	SLE-ENVE	Min	-2,164	-9,98	-4,34	10,88	-156,515
234	234	1053	SLU-ENVE	Max	84,627	38,8	3,88	38,99	5,717
234	234	978	SLU-ENVE	Max	85,163	38,8	4,34	39,04	6,383
234	234	977	SLU-ENVE	Max	84,973	41,19	4,34	41,42	6,015
234	234	1052	SLU-ENVE	Max	84,393	41,19	3,88	41,38	5,386
234	234	1053	SLU-ENVE	Min	-85,281	35,77	-2,27	35,84	-3,624
234	234	978	SLU-ENVE	Min	-85,258	35,77	-2,13	35,83	-3,415
234	234	977	SLU-ENVE	Min	-85,416	35,18	-2,13	35,24	-3,472
234	234	1052	SLU-ENVE	Min	-85,413	35,18	-2,27	35,25	-3,685
234	234	1053	SLE-ENVE	Max	86,013	26,25	2,17	26,34	4,717
234	234	978	SLE-ENVE	Max	86,399	26,25	2,45	26,37	5,328
234	234	977	SLE-ENVE	Max	86,321	27,34	2,45	27,45	5,118
234	234	1052	SLE-ENVE	Max	85,923	27,34	2,17	27,42	4,53
234	234	1053	SLE-ENVE	Min	-86,062	25,79	-1,25	25,82	-2,783
234	234	978	SLE-ENVE	Min	-86,044	25,79	-1,14	25,82	-2,52
234	234	977	SLE-ENVE	Min	-86,13	25,97	-1,14	25,99	-2,503
234	234	1052	SLE-ENVE	Min	-86,124	25,97	-1,25	26	-2,764
235	235	1052	SLU-ENVE	Max	84,576	40,74	4,55	40,99	6,371
235	235	977	SLU-ENVE	Max	85,052	40,74	3,03	40,85	4,257
235	235	976	SLU-ENVE	Max	84,714	42,02	3,03	42,13	4,128
235	235	1051	SLU-ENVE	Max	84,073	42,02	4,55	42,27	6,178
235	235	1052	SLU-ENVE	Min	-85,298	35,04	-2,3	35,12	-3,752
235	235	977	SLU-ENVE	Min	-85,196	35,04	-3,17	35,19	-5,176
235	235	976	SLU-ENVE	Min	-85,773	33,72	-3,17	33,87	-5,378
235	235	1051	SLU-ENVE	Min	-85,871	33,72	-2,3	33,8	-3,899
235	235	1052	SLE-ENVE	Max	86,088	27,06	2,55	27,18	5,389
235	235	977	SLE-ENVE	Max	86,411	27,06	1,59	27,11	3,356
235	235	976	SLE-ENVE	Max	86,187	27,72	1,59	27,77	3,276
235	235	1051	SLE-ENVE	Max	85,752	27,72	2,55	27,84	5,261
235	235	1052	SLE-ENVE	Min	-86,014	25,86	-1,23	25,88	-2,723
235	235	977	SLE-ENVE	Min	-85,933	25,86	-1,91	25,93	-4,236
235	235	976	SLE-ENVE	Min	-86,408	24,98	-1,91	25,06	-4,383
235	235	1051	SLE-ENVE	Min	-86,493	24,98	-1,23	25,01	-2,818
236	236	1051	SLU-ENVE	Max	83,835	43,22	4,09	43,41	5,411
236	236	976	SLU-ENVE	Max	84,398	43,22	11,65	44,76	15,082
236	236	975	SLU-ENVE	Max	84,414	58,13	11,65	59,29	11,329
236	236	1050	SLU-ENVE	Max	83,905	58,13	4,09	58,28	4,028
236	236	1051	SLU-ENVE	Min	-86,397	34,27	-2,94	34,4	-4,904
236	236	976	SLU-ENVE	Min	-86,189	34,27	0,44	34,28	0,734
236	236	975	SLU-ENVE	Min	-85,631	39,36	0,44	39,37	0,639
236	236	1050	SLU-ENVE	Min	-85,694	39,36	-2,94	39,47	-4,273
236	236	1051	SLE-ENVE	Max	85,462	28,48	2,23	28,57	4,485
236	236	976	SLE-ENVE	Max	85,864	28,48	6,99	29,33	13,791
236	236	975	SLE-ENVE	Max	86,157	37,79	6,99	38,43	10,482
236	236	1050	SLE-ENVE	Max	85,89	37,79	2,23	37,85	3,383
236	236	1051	SLE-ENVE	Min	-87,003	25,44	-1,65	25,5	-3,7
236	236	976	SLE-ENVE	Min	-86,819	25,44	1,12	25,47	2,521
236	236	975	SLE-ENVE	Min	-86,224	29,81	1,12	29,83	2,152
236	236	1050	SLE-ENVE	Min	-86,256	29,81	-1,65	29,86	-3,159
237	237	23	SLU-ENVE	Max	-0,112	33,28	5,11	33,67	8,722
237	237	24	SLU-ENVE	Max	2,948	33,28	5,04	33,66	8,608
237	237	1178	SLU-ENVE	Max	2,747	36,13	5,04	36,48	7,938
237	237	1177	SLU-ENVE	Max	-0,068	36,13	5,11	36,49	8,043

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell'Astico

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
237	237	23	SLU-ENVE	Min	-2,328	-22,44	-13,91	26,41	-148,2
237	237	24	SLU-ENVE	Min	1,655	-22,44	-6,38	23,33	-164,126
237	237	1178	SLU-ENVE	Min	1,502	-25,95	-6,38	26,72	-166,183
237	237	1177	SLU-ENVE	Min	-2,118	-25,95	-13,91	29,44	-151,798
237	237	23	SLE-ENVE	Max	-0,089	19,92	2,59	20,09	7,402
237	237	24	SLE-ENVE	Max	3,202	19,92	2,36	20,06	6,762
237	237	1178	SLE-ENVE	Max	2,996	22,01	2,36	22,13	6,126
237	237	1177	SLE-ENVE	Max	-0,034	22,01	2,59	22,16	6,707
237	237	23	SLE-ENVE	Min	-2,229	-10,42	-7,87	13,06	-142,94
237	237	24	SLE-ENVE	Min	1,678	-10,42	-3,84	11,11	-159,755
237	237	1178	SLE-ENVE	Min	1,554	-12,35	-3,84	12,94	-162,716
237	237	1177	SLE-ENVE	Min	-1,993	-12,35	-7,87	14,65	-147,498
238	238	1049	SLU-ENVE	Max	84,767	79,19	-0,91	79,19	-0,661
238	238	974	SLU-ENVE	Max	83,416	79,19	-23,24	82,53	-16,353
238	238	900	SLU-ENVE	Max	82,364	9,46	-23,24	25,09	-67,853
238	238	908	SLU-ENVE	Max	83,673	9,46	-0,91	9,5	-5,515
238	238	1049	SLU-ENVE	Min	-83,438	44,27	-8,87	45,15	-11,332
238	238	974	SLU-ENVE	Min	-83,651	44,27	-38,95	58,96	-41,345
238	238	900	SLU-ENVE	Min	-85,387	-6,26	-38,95	39,45	-99,131
238	238	908	SLU-ENVE	Min	-85,796	-6,26	-8,87	10,86	-125,213
238	238	1049	SLE-ENVE	Max	87,532	50,89	-1,21	50,91	-1,362
238	238	974	SLE-ENVE	Max	86,116	50,89	-18,06	54	-19,536
238	238	900	SLE-ENVE	Max	85,481	5,45	-18,06	18,86	-73,208
238	238	908	SLE-ENVE	Max	86,82	5,45	-1,21	5,58	-12,524
238	238	1049	SLE-ENVE	Min	-83,92	34,66	-5,75	35,13	-9,427
238	238	974	SLE-ENVE	Min	-84,291	34,66	-25,21	42,86	-36,033
238	238	900	SLE-ENVE	Min	-85,846	-3,82	-25,21	25,5	-98,608
238	238	908	SLE-ENVE	Min	-86,105	-3,82	-5,75	6,9	-123,553
252	252	1323	SLU-ENVE	Max	6,176	74,59	-1,05	74,6	-0,807
252	252	1324	SLU-ENVE	Max	9,654	74,59	-3,78	74,69	-2,899
252	252	25	SLU-ENVE	Max	9,056	79,81	-3,78	79,9	-2,71
252	252	24	SLU-ENVE	Max	5,8	79,81	-1,05	79,81	-0,755
252	252	1323	SLU-ENVE	Min	7,447	26,37	-4,14	26,7	-8,92
252	252	1324	SLU-ENVE	Min	17,67	26,37	-7,31	27,37	-15,486
252	252	25	SLU-ENVE	Min	16,522	26,53	-7,31	27,52	-15,399
252	252	24	SLU-ENVE	Min	6,649	26,53	-4,14	26,85	-8,868
252	252	1323	SLE-ENVE	Max	6,643	43,03	-0,94	43,04	-1,247
252	252	1324	SLE-ENVE	Max	10,575	43,03	-2,25	43,09	-2,989
252	252	25	SLE-ENVE	Max	9,888	45,93	-2,25	45,98	-2,801
252	252	24	SLE-ENVE	Max	6,219	45,93	-0,94	45,94	-1,169
252	252	1323	SLE-ENVE	Min	7,388	16,7	-2,64	16,9	-8,989
252	252	1324	SLE-ENVE	Min	18,397	16,7	-4,54	17,3	-15,221
252	252	25	SLE-ENVE	Min	17,211	16,73	-4,54	17,34	-15,19
252	252	24	SLE-ENVE	Min	6,591	16,73	-2,64	16,94	-8,97
253	253	24	SLU-ENVE	Max	5,974	79,57	6,33	79,83	4,552
253	253	25	SLU-ENVE	Max	9,135	79,57	1,62	79,59	1,167
253	253	1179	SLU-ENVE	Max	8,75	86,07	1,62	86,08	1,079
253	253	1178	SLU-ENVE	Max	5,655	86,07	6,33	86,3	4,209
253	253	24	SLU-ENVE	Min	6,467	25,05	-4,37	25,43	-9,885
253	253	25	SLU-ENVE	Min	16,614	25,05	-16,09	29,77	-32,715
253	253	1179	SLU-ENVE	Min	15,566	23,88	-16,09	28,8	-33,971
253	253	1178	SLU-ENVE	Min	6,104	23,88	-4,37	24,28	-10,358
253	253	24	SLE-ENVE	Max	6,418	45,77	3,13	45,88	3,906

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Element Forces - Area Shells, Part 3 of 3**

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
253	253	25	SLE-ENVE	Max	9,969	45,77	0,48	45,77	0,598
253	253	1179	SLE-ENVE	Max	9,552	49,39	0,48	49,4	0,554
253	253	1178	SLE-ENVE	Max	6,069	49,39	3,13	49,49	3,62
253	253	24	SLE-ENVE	Min	6,427	15,88	-2,81	16,13	-10,023
253	253	25	SLE-ENVE	Min	17,321	15,88	-9,5	18,5	-30,891
253	253	1179	SLE-ENVE	Min	16,256	15,19	-9,5	17,91	-32,026
253	253	1178	SLE-ENVE	Min	6,077	15,19	-2,81	15,45	-10,47
254	254	1324	SLU-ENVE	Max	11,75	117,8	-0,07355	117,8	-0,036
254	254	1325	SLU-ENVE	Max	22,447	117,8	0,89	117,8	0,434
254	254	26	SLU-ENVE	Max	21,124	125,22	0,89	125,22	0,408
254	254	25	SLU-ENVE	Max	10,86	125,22	-0,07355	125,22	-0,034
254	254	1324	SLU-ENVE	Min	20,385	66,69	-4,22	66,83	-3,621
254	254	1325	SLU-ENVE	Min	40,07	66,69	-1,92	66,72	-1,65
254	254	26	SLU-ENVE	Min	38,324	69,6	-1,92	69,62	-1,581
254	254	25	SLU-ENVE	Min	18,804	69,6	-4,22	69,72	-3,47
254	254	1324	SLE-ENVE	Max	12,815	66,91	-0,41	66,91	-0,354
254	254	1325	SLE-ENVE	Max	26	66,91	0,16	66,91	0,14
254	254	26	SLE-ENVE	Max	24,348	70,94	0,16	70,94	0,132
254	254	25	SLE-ENVE	Max	11,734	70,94	-0,41	70,94	-0,333
254	254	1324	SLE-ENVE	Min	21,132	39,75	-2,86	39,85	-4,116
254	254	1325	SLE-ENVE	Min	43,463	39,75	-1,53	39,78	-2,209
254	254	26	SLE-ENVE	Min	41,756	41,33	-1,53	41,36	-2,124
254	254	25	SLE-ENVE	Min	19,497	41,33	-2,86	41,43	-3,959
260	260	978	SLU-ENVE	Max	84,187	-22,42	3,67	22,72	170,696
260	260	1375	SLU-ENVE	Max	76,936	-22,42	1,44	22,47	176,317
260	260	1354	SLU-ENVE	Max	77,79	-20,65	1,44	20,7	176,001
260	260	977	SLU-ENVE	Max	83,815	-20,65	3,67	20,97	169,912
260	260	978	SLU-ENVE	Min	-83,831	-47,39	-1,82	47,43	-177,8
260	260	1375	SLU-ENVE	Min	-77,125	-47,39	-1,43	47,41	-178,266
260	260	1354	SLU-ENVE	Min	-76,223	-51,71	-1,43	51,73	-178,411
260	260	977	SLU-ENVE	Min	-83,919	-51,71	-1,82	51,74	-177,984
260	260	978	SLE-ENVE	Max	85,675	-18,99	2,08	19,11	173,764
260	260	1375	SLE-ENVE	Max	79,725	-18,99	0,8	19,01	177,591
260	260	1354	SLE-ENVE	Max	80,271	-18,04	0,8	18,05	177,464
260	260	977	SLE-ENVE	Max	85,463	-18,04	2,08	18,16	173,436
260	260	978	SLE-ENVE	Min	-84,829	-29,78	-0,96	29,8	-178,146
260	260	1375	SLE-ENVE	Min	-79,599	-29,78	-0,78	29,79	-178,491
260	260	1354	SLE-ENVE	Min	-78,871	-32,21	-0,78	32,22	-178,605
260	260	977	SLE-ENVE	Min	-84,85	-32,21	-0,96	32,23	-178,286
261	261	977	SLU-ENVE	Max	83,805	-20,56	2,3	20,69	173,618
261	261	1354	SLU-ENVE	Max	77,651	-20,56	2,57	20,72	172,875
261	261	1333	SLU-ENVE	Max	78,459	-18,52	2,57	18,7	172,099
261	261	976	SLU-ENVE	Max	83,541	-18,52	2,3	18,66	172,921
261	261	977	SLU-ENVE	Min	-83,833	-51,82	-2,82	51,9	-176,882
261	261	1354	SLU-ENVE	Min	-75,806	-51,82	-1,65	51,85	-178,175
261	261	1333	SLU-ENVE	Min	-75,021	-56,09	-1,65	56,12	-178,314
261	261	976	SLU-ENVE	Min	-84,107	-56,09	-2,82	56,17	-177,119
261	261	977	SLE-ENVE	Max	85,455	-17,96	1,18	18	176,248
261	261	1354	SLE-ENVE	Max	80,169	-17,96	1,45	18,02	175,374
261	261	1333	SLE-ENVE	Max	80,775	-16,82	1,45	16,88	175,062
261	261	976	SLE-ENVE	Max	85,387	-16,82	1,18	16,86	175,995
261	261	977	SLE-ENVE	Min	-84,782	-32,26	-1,72	32,31	-176,94
261	261	1354	SLE-ENVE	Min	-78,517	-32,26	-0,83	32,27	-178,524

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
261	261	1333	SLE-ENVE	Min	-77,783	-34,65	-0,83	34,66	-178,626
261	261	976	SLE-ENVE	Min	-84,949	-34,65	-1,72	34,69	-177,15
262	262	976	SLU-ENVE	Max	83,699	-19,02	10,85	21,9	150,306
262	262	1333	SLU-ENVE	Max	78,453	-19,02	1,63	19,09	175,098
262	262	1312	SLU-ENVE	Max	78,205	-18,78	1,63	18,85	175,034
262	262	975	SLU-ENVE	Max	82,456	-18,78	10,85	21,69	149,984
262	262	976	SLU-ENVE	Min	-83,882	-56,88	0,94	56,89	179,055
262	262	1333	SLU-ENVE	Min	-74,444	-56,88	-3,37	56,98	-176,614
262	262	1312	SLU-ENVE	Min	-75,158	-66,35	-3,37	66,44	-177,096
262	262	975	SLU-ENVE	Min	-84,383	-66,35	0,94	66,36	179,189
262	262	976	SLE-ENVE	Max	85,572	-17,18	6,55	18,39	159,115
262	262	1333	SLE-ENVE	Max	80,893	-17,18	0,75	17,19	177,497
262	262	1312	SLE-ENVE	Max	80,662	-17,64	0,75	17,66	177,563
262	262	975	SLE-ENVE	Max	84,7	-17,64	6,55	18,82	159,616
262	262	976	SLE-ENVE	Min	-84,733	-35,15	1,4	35,18	177,724
262	262	1333	SLE-ENVE	Min	-77,255	-35,15	-2,01	35,21	-176,723
262	262	1312	SLE-ENVE	Min	-77,423	-40,78	-2,01	40,83	-177,175
262	262	975	SLE-ENVE	Min	-85,178	-40,78	1,4	40,81	178,038
263	263	25	SLU-ENVE	Max	10,912	124,73	5,81	124,86	2,669
263	263	26	SLU-ENVE	Max	21,275	124,73	-11,24	125,23	-5,148
263	263	1304	SLU-ENVE	Max	21,211	131,49	-11,24	131,97	-4,885
263	263	1179	SLU-ENVE	Max	10,498	131,49	5,81	131,62	2,532
263	263	25	SLU-ENVE	Min	18,737	68,09	-12,48	69,23	-10,388
263	263	26	SLU-ENVE	Min	38,182	68,09	-22,87	71,83	-18,566
263	263	1304	SLU-ENVE	Min	38,746	68,09	-22,87	71,83	-18,567
263	263	1179	SLU-ENVE	Min	17,653	68,09	-12,48	69,22	-10,388
263	263	25	SLE-ENVE	Max	11,78	70,65	2,82	70,7	2,286
263	263	26	SLE-ENVE	Max	24,437	70,65	-6,73	70,97	-5,444
263	263	1304	SLE-ENVE	Max	24,496	74,32	-6,73	74,62	-5,177
263	263	1179	SLE-ENVE	Max	11,309	74,32	2,82	74,37	2,173
263	263	25	SLE-ENVE	Min	19,441	40,47	-7,48	41,15	-10,476
263	263	26	SLE-ENVE	Min	41,672	40,47	-13,68	42,72	-18,684
263	263	1304	SLE-ENVE	Min	42,479	40,42	-13,68	42,67	-18,704
263	263	1179	SLE-ENVE	Min	18,335	40,42	-7,48	41,11	-10,488
264	264	974	SLU-ENVE	Max	78,52	-18,38	-20,78	27,75	-131,495
264	264	1167	SLU-ENVE	Max	74,208	-18,38	-5,74	19,26	-162,654
264	264	1111	SLU-ENVE	Max	75,088	5,55	-5,74	7,98	-45,999
264	264	900	SLU-ENVE	Max	76,273	5,55	-20,78	21,51	-75,061
264	264	974	SLU-ENVE	Min	-84,754	-79,18	-41,56	89,43	-152,304
264	264	1167	SLU-ENVE	Min	-77,371	-79,18	-6,15	79,42	-175,557
264	264	1111	SLU-ENVE	Min	-80,536	-54,88	-6,15	55,23	-173,603
264	264	900	SLU-ENVE	Min	-85,785	-54,88	-41,56	68,85	-142,863
264	264	974	SLE-ENVE	Max	81,8	-18,36	-16,69	24,81	-137,73
264	264	1167	SLE-ENVE	Max	76,877	-18,36	-4,04	18,8	-167,592
264	264	1111	SLE-ENVE	Max	77,787	-1,02	-4,04	4,17	-104,226
264	264	900	SLE-ENVE	Max	80,475	-1,02	-16,69	16,72	-93,512
264	264	974	SLE-ENVE	Min	-85,658	-48,49	-26,6	55,31	-151,253
264	264	1167	SLE-ENVE	Min	-80,149	-48,49	-4,47	48,7	-174,733
264	264	1111	SLE-ENVE	Min	-83,006	-31,83	-4,47	32,14	-172,004
264	264	900	SLE-ENVE	Min	-86,583	-31,83	-26,6	41,48	-140,113
278	278	1325	SLU-ENVE	Max	23,81	169,01	7,66	169,18	2,594
278	278	1326	SLU-ENVE	Max	62,4	169,01	2,21	169,02	0,748
278	278	27	SLU-ENVE	Max	65,353	191,74	2,21	191,75	0,659

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
278	278	26	SLU-ENVE	Max	22,352	191,74	7,66	191,89	2,287
278	278	1325	SLU-ENVE	Min	40,495	101,2	4,65	101,31	2,631
278	278	1326	SLU-ENVE	Min	71,717	101,2	-3,9	101,27	-2,204
278	278	27	SLU-ENVE	Min	74,023	116,19	-3,9	116,25	-1,92
278	278	26	SLU-ENVE	Min	38,124	116,19	4,65	116,28	2,292
278	278	1325	SLE-ENVE	Max	27,37	95,61	3,75	95,68	2,249
278	278	1326	SLE-ENVE	Max	66,838	95,61	0,77	95,61	0,459
278	278	27	SLE-ENVE	Max	69,225	108,42	0,77	108,42	0,405
278	278	26	SLE-ENVE	Max	25,487	108,42	3,75	108,48	1,983
278	278	1325	SLE-ENVE	Min	43,744	59,75	2,44	59,8	2,339
278	278	1326	SLE-ENVE	Min	74,974	59,75	-2,4	59,79	-2,299
278	278	27	SLE-ENVE	Min	76,537	68,34	-2,4	68,38	-2,01
278	278	26	SLE-ENVE	Min	41,225	68,34	2,44	68,38	2,045
279	279	26	SLU-ENVE	Max	22,089	193,22	-7,2	193,35	-2,134
279	279	27	SLU-ENVE	Max	63,858	193,22	19,41	194,19	5,738
279	279	1305	SLU-ENVE	Max	61,292	192,68	19,41	193,66	5,754
279	279	1304	SLU-ENVE	Max	22,573	192,68	-7,2	192,82	-2,14
279	279	26	SLU-ENVE	Min	37,712	117,04	-18,08	118,43	-8,783
279	279	27	SLU-ENVE	Min	72,495	117,04	7,8	117,3	3,814
279	279	1305	SLU-ENVE	Min	70,582	109,72	7,8	110	4,067
279	279	1304	SLU-ENVE	Min	39,699	109,72	-18,08	111,2	-9,359
279	279	26	SLE-ENVE	Max	25,122	109,4	-5,18	109,52	-2,713
279	279	27	SLE-ENVE	Max	67,685	109,4	10,6	109,91	5,533
279	279	1305	SLE-ENVE	Max	65,663	108,14	10,6	108,66	5,596
279	279	1304	SLE-ENVE	Max	25,872	108,14	-5,18	108,27	-2,745
279	279	26	SLE-ENVE	Min	40,965	68,89	-11,27	69,81	-9,293
279	279	27	SLE-ENVE	Min	75,094	68,89	4,46	69,04	3,7
279	279	1305	SLE-ENVE	Min	73,52	64,2	4,46	64,36	3,97
279	279	1304	SLE-ENVE	Min	43,382	64,2	-11,27	65,18	-9,959
280	280	1326	SLU-ENVE	Max	65,334	240,34	7,06	240,44	1,682
280	280	1025	SLU-ENVE	Max	77,334	240,34	-77,67	252,58	-17,91
280	280	28	SLU-ENVE	Max	78,365	173,67	-77,67	190,25	-24,096
280	280	27	SLU-ENVE	Max	67,892	173,67	7,06	173,81	2,327
280	280	1326	SLU-ENVE	Min	75,431	165,35	-1,57	165,36	-0,542
280	280	1025	SLU-ENVE	Min	82,728	165,35	-113,4	200,5	-34,442
280	280	28	SLU-ENVE	Min	82,834	105,06	-113,4	154,58	-47,185
280	280	27	SLU-ENVE	Min	76,334	105,06	-1,57	105,07	-0,854
280	280	1326	SLE-ENVE	Max	70,044	136,43	3,29	136,47	1,38
280	280	1025	SLE-ENVE	Max	78,671	136,43	-47,62	144,5	-19,243
280	280	28	SLE-ENVE	Max	79,394	96,71	-47,62	107,8	-26,216
280	280	27	SLE-ENVE	Max	71,661	96,71	3,29	96,77	1,946
280	280	1326	SLE-ENVE	Min	78,401	96,83	-1,18	96,83	-0,697
280	280	1025	SLE-ENVE	Min	83,5	96,83	-65,31	116,79	-33,998
280	280	28	SLE-ENVE	Min	83,617	60,75	-65,31	89,19	-47,069
280	280	27	SLE-ENVE	Min	78,602	60,75	-1,18	60,76	-1,111
286	286	1375	SLU-ENVE	Max	75,698	-12,85	-0,36	12,85	-178,409
286	286	1376	SLU-ENVE	Max	28,735	-12,85	0,32	12,85	178,592
286	286	1355	SLU-ENVE	Max	29,958	-10,96	0,32	10,96	178,349
286	286	1354	SLU-ENVE	Max	76,496	-10,96	-0,36	10,96	-178,135
286	286	1375	SLU-ENVE	Min	-76,021	-37,46	-0,55	37,47	-179,152
286	286	1376	SLU-ENVE	Min	-71,558	-37,46	-3,33	37,61	-174,924
286	286	1355	SLU-ENVE	Min	-70,62	-41,27	-3,33	41,41	-175,39
286	286	1354	SLU-ENVE	Min	-74,794	-41,27	-0,55	41,28	-179,23

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle Degrees	V13 KN/m	V23 KN/m	VMax KN/m	VAngle Degrees
286	286	1375	SLE-ENVE	Max	78,68	-12,22	-0,21	12,22	-179,024
286	286	1376	SLE-ENVE	Max	34,883	-12,22	0,2	12,22	179,054
286	286	1355	SLE-ENVE	Max	36,249	-11,18	0,2	11,18	178,967
286	286	1354	SLE-ENVE	Max	79,183	-11,18	-0,21	11,18	-178,934
286	286	1375	SLE-ENVE	Min	-78,658	-23,32	-0,3	23,32	-179,255
286	286	1376	SLE-ENVE	Min	-72,324	-23,32	-1,87	23,4	-175,426
286	286	1355	SLE-ENVE	Min	-71,374	-25,45	-1,87	25,52	-175,807
286	286	1354	SLE-ENVE	Min	-77,64	-25,45	-0,3	25,45	-179,317
287	287	1354	SLU-ENVE	Max	76,408	-10,92	0,42	10,93	177,796
287	287	1355	SLU-ENVE	Max	30,156	-10,92	-0,49	10,93	-177,442
287	287	1334	SLU-ENVE	Max	30,288	-8,9	-0,49	8,92	-176,864
287	287	1333	SLU-ENVE	Max	77,01	-8,9	0,42	8,91	177,298
287	287	1354	SLU-ENVE	Min	-74,304	-41,9	-0,74	41,91	-178,995
287	287	1355	SLU-ENVE	Min	-70,137	-41,9	-2,88	42	-176,071
287	287	1334	SLU-ENVE	Min	-70,238	-46,32	-2,88	46,41	-176,444
287	287	1333	SLU-ENVE	Min	-73,729	-46,32	-0,74	46,32	-179,091
287	287	1354	SLE-ENVE	Max	79,144	-11,16	0,24	11,16	178,747
287	287	1355	SLE-ENVE	Max	36,368	-11,16	-0,27	11,16	-178,633
287	287	1334	SLE-ENVE	Max	36,473	-10,07	-0,27	10,08	-178,486
287	287	1333	SLE-ENVE	Max	79,52	-10,07	0,24	10,08	178,612
287	287	1354	SLE-ENVE	Min	-77,203	-25,8	-0,35	25,81	-179,224
287	287	1355	SLE-ENVE	Min	-70,909	-25,8	-1,66	25,86	-176,328
287	287	1334	SLE-ENVE	Min	-70,975	-28,27	-1,66	28,32	-176,647
287	287	1333	SLE-ENVE	Min	-76,691	-28,27	-0,35	28,27	-179,292
288	288	1333	SLU-ENVE	Max	76,697	-9,03	-0,75	9,06	-175,282
288	288	1334	SLU-ENVE	Max	30,531	-9,03	-1,14	9,1	-172,785
288	288	1313	SLU-ENVE	Max	28,673	-6,2	-1,14	6,31	-169,563
288	288	1312	SLU-ENVE	Max	76,991	-6,2	-0,75	6,25	-173,152
288	288	1333	SLU-ENVE	Min	-73,685	-46,68	-2,19	46,74	-177,318
288	288	1334	SLU-ENVE	Min	-70,63	-46,68	-1,61	46,71	-178,027
288	288	1313	SLU-ENVE	Min	-71,762	-50,19	-1,61	50,22	-178,165
288	288	1312	SLU-ENVE	Min	-74,182	-50,19	-2,19	50,24	-177,505
288	288	1333	SLE-ENVE	Max	79,251	-10,14	-0,57	10,16	-176,773
288	288	1334	SLE-ENVE	Max	36,668	-10,14	-0,75	10,17	-175,757
288	288	1313	SLE-ENVE	Max	34,505	-8,47	-0,75	8,51	-174,923
288	288	1312	SLE-ENVE	Max	79,635	-8,47	-0,57	8,49	-176,137
288	288	1333	SLE-ENVE	Min	-76,693	-28,49	-1,39	28,52	-177,214
288	288	1334	SLE-ENVE	Min	-71,413	-28,49	-0,92	28,5	-178,144
288	288	1313	SLE-ENVE	Min	-72,547	-30,34	-0,92	30,35	-178,257
288	288	1312	SLE-ENVE	Min	-76,56	-30,34	-1,39	30,37	-177,383
289	289	27	SLU-ENVE	Max	63,711	177,01	35,05	180,44	11,201
289	289	28	SLU-ENVE	Max	76,399	177,01	184,87	255,95	46,245
289	289	1024	SLU-ENVE	Max	74,681	329,35	184,87	377,69	29,306
289	289	1305	SLU-ENVE	Max	60,035	329,35	35,05	331,21	6,075
289	289	27	SLU-ENVE	Min	71,72	108,54	20,74	110,5	10,816
289	289	28	SLU-ENVE	Min	81,145	108,54	141,17	178,07	52,446
289	289	1024	SLU-ENVE	Min	80,659	240,92	141,17	279,24	30,369
289	289	1305	SLU-ENVE	Min	68,675	240,92	20,74	241,81	4,919
289	289	27	SLE-ENVE	Max	67,272	98,9	19,39	100,79	11,094
289	289	28	SLE-ENVE	Max	77,443	98,9	106,25	145,16	47,051
289	289	1024	SLE-ENVE	Max	75,902	189,07	106,25	216,88	29,335
289	289	1305	SLE-ENVE	Max	64,093	189,07	19,39	190,06	5,856
289	289	27	SLE-ENVE	Min	74,2	62,88	11,83	63,98	10,652

AUTOSTRADA VALDASTICO A31 NORD

1° LOTTO – Piovone Rocchette – Valle dell’Astico

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
289	289	28	SLE-ENVE	Min	82,001	62,88	83,5	104,53	53,02
289	289	1024	SLE-ENVE	Min	81,302	141	83,5	163,87	30,635
289	289	1305	SLE-ENVE	Min	71,544	141	11,83	141,5	4,794
290	290	1167	SLU-ENVE	Max	74,951	-2,76	-3,37	4,36	-129,353
290	290	1168	SLU-ENVE	Max	26,887	-2,76	3,74	4,65	126,47
290	290	1129	SLU-ENVE	Max	21,591	-4,36	3,74	5,74	139,386
290	290	1111	SLU-ENVE	Max	76,801	-4,36	-3,37	5,51	-142,298
290	290	1167	SLU-ENVE	Min	-74,888	-48,41	-5,96	48,78	-172,985
290	290	1168	SLU-ENVE	Min	-72,377	-48,41	-2,04	48,46	-177,584
290	290	1129	SLU-ENVE	Min	-71,048	-57,93	-2,04	57,97	-177,981
290	290	1111	SLU-ENVE	Min	-75,963	-57,93	-5,96	58,24	-174,129
290	290	1167	SLE-ENVE	Max	77,967	-6,02	-2,68	6,59	-156,011
290	290	1168	SLE-ENVE	Max	32,36	-6,02	1,96	6,33	161,972
290	290	1129	SLE-ENVE	Max	24,919	-7,73	1,96	7,98	165,791
290	290	1111	SLE-ENVE	Max	80,136	-7,73	-2,68	8,18	-160,904
290	290	1167	SLE-ENVE	Min	-77,588	-28,97	-3,91	29,24	-172,314
290	290	1168	SLE-ENVE	Min	-73,234	-28,97	-1,12	29	-177,782
290	290	1129	SLE-ENVE	Min	-71,712	-34,77	-1,12	34,79	-178,152
290	290	1111	SLE-ENVE	Min	-78,411	-34,77	-3,91	34,99	-173,584
304	304	1025	SLU-ENVE	Max	75,987	-83,96	-73,88	111,84	-138,656
304	304	1075	SLU-ENVE	Max	75,226	-83,96	13,96	85,12	170,558
304	304	7	SLU-ENVE	Max	78,654	10,52	13,96	17,48	52,997
304	304	28	SLU-ENVE	Max	79,247	10,52	-73,88	74,62	-81,893
304	304	1025	SLU-ENVE	Min	81,245	-110,93	-108,48	155,16	-135,64
304	304	1075	SLU-ENVE	Min	80,944	-110,93	8,53	111,26	175,605
304	304	7	SLU-ENVE	Min	83,53	-9,01	8,53	12,41	136,59
304	304	28	SLU-ENVE	Min	83,287	-9,01	-108,48	108,86	-94,75
304	304	1025	SLE-ENVE	Max	77,201	-54,55	-45,46	71,01	-140,196
304	304	1075	SLE-ENVE	Max	76,393	-54,55	7,54	55,07	172,134
304	304	7	SLE-ENVE	Max	79,577	1,12	7,54	7,62	81,519
304	304	28	SLE-ENVE	Max	80,148	1,12	-45,46	45,47	-88,584
304	304	1025	SLE-ENVE	Min	81,968	-66,61	-62,56	91,38	-136,796
304	304	1075	SLE-ENVE	Min	81,827	-66,61	4,66	66,77	176,002
304	304	7	SLE-ENVE	Min	84,109	-7,41	4,66	8,75	147,878
304	304	28	SLE-ENVE	Min	83,977	-7,41	-62,56	62,99	-96,76
305	305	28	SLU-ENVE	Max	81,331	4,31	185,4	185,45	88,668
305	305	7	SLU-ENVE	Max	82,673	4,31	17,9	18,41	76,46
305	305	1074	SLU-ENVE	Max	81,523	-146,15	17,9	147,24	173,018
305	305	1024	SLU-ENVE	Max	80,432	-146,15	185,4	236,08	128,249
305	305	28	SLU-ENVE	Min	85,164	-14,06	141,35	142,05	95,682
305	305	7	SLU-ENVE	Min	86,646	-14,06	10,76	17,71	142,591
305	305	1074	SLU-ENVE	Min	86,316	-188,73	10,76	189,04	176,738
305	305	1024	SLU-ENVE	Min	85,09	-188,73	141,35	235,8	143,168
305	305	28	SLE-ENVE	Max	82,265	-2,63	106,46	106,49	91,418
305	305	7	SLE-ENVE	Max	83,549	-2,63	9,38	9,75	105,683
305	305	1074	SLE-ENVE	Max	82,485	-92,66	9,38	93,14	174,218
305	305	1024	SLE-ENVE	Max	81,451	-92,66	106,46	141,14	131,037
305	305	28	SLE-ENVE	Min	85,788	-10,44	83,51	84,16	97,126
305	305	7	SLE-ENVE	Min	87,106	-10,44	5,8	11,94	150,964
305	305	1074	SLE-ENVE	Min	86,788	-112,34	5,8	112,49	177,047
305	305	1024	SLE-ENVE	Min	85,57	-112,34	83,51	139,97	143,375
306	306	1000	SLU-ENVE	Max	-87,026	-191,84	-69,95	204,2	-159,966
306	306	2064	SLU-ENVE	Max	-80,961	-191,84	-4,66	191,9	-178,608



AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
306	306	29	SLU-ENVE	Max	-80,201	-127,95	-4,66	128,04	-177,914
306	306	18	SLU-ENVE	Max	-85,791	-127,95	-69,95	145,83	-151,334
306	306	1000	SLU-ENVE	Min	-82,365	-306,03	-145,56	338,89	-154,563
306	306	2064	SLU-ENVE	Min	-78,097	-306,03	-16,42	306,47	-176,929
306	306	29	SLU-ENVE	Min	-79,603	-173,62	-16,42	174,39	-174,598
306	306	18	SLU-ENVE	Min	-83,054	-173,62	-145,56	226,56	-140,025
306	306	1000	SLE-ENVE	Max	-86,859	-104,92	-39,25	112,02	-159,491
306	306	2064	SLE-ENVE	Max	-80,45	-104,92	-2,87	104,96	-178,432
306	306	29	SLE-ENVE	Max	-79,823	-68,94	-2,87	69	-177,615
306	306	18	SLE-ENVE	Max	-85,63	-68,94	-39,25	79,33	-150,348
306	306	1000	SLE-ENVE	Min	-82,355	-168,97	-79,98	186,95	-154,67
306	306	2064	SLE-ENVE	Min	-78,034	-168,97	-8,92	169,21	-176,977
306	306	29	SLE-ENVE	Min	-79,587	-95,27	-8,92	95,69	-174,649
306	306	18	SLE-ENVE	Min	-83,081	-95,27	-79,98	124,39	-139,985
312	312	1376	SLU-ENVE	Max	28,44	-3,38	1,24	3,6	159,836
312	312	1377	SLU-ENVE	Max	11,346	-3,38	2,21	4,04	146,791
312	312	1356	SLU-ENVE	Max	11,702	-1,24	2,21	2,54	119,2
312	312	1355	SLU-ENVE	Max	29,711	-1,24	1,24	1,75	134,894
312	312	1376	SLU-ENVE	Min	-72,73	-25,75	-5,11	26,25	-168,777
312	312	1377	SLU-ENVE	Min	-74,316	-25,75	-9,58	27,47	-159,59
312	312	1356	SLU-ENVE	Min	-73,682	-30,27	-9,58	31,75	-162,434
312	312	1355	SLU-ENVE	Min	-71,635	-30,27	-5,11	30,69	-170,418
312	312	1376	SLE-ENVE	Max	34,686	-5,5	0,71	5,54	172,62
312	312	1377	SLE-ENVE	Max	12,016	-5,5	1,25	5,64	167,164
312	312	1356	SLE-ENVE	Max	12,396	-4,3	1,25	4,48	163,766
312	312	1355	SLE-ENVE	Max	36,089	-4,3	0,71	4,36	170,602
312	312	1376	SLE-ENVE	Min	-73,481	-15,86	-2,86	16,12	-169,792
312	312	1377	SLE-ENVE	Min	-72,395	-15,86	-5,35	16,74	-161,358
312	312	1356	SLE-ENVE	Min	-71,792	-18,36	-5,35	19,13	-163,755
312	312	1355	SLE-ENVE	Min	-72,387	-18,36	-2,86	18,58	-171,16
313	313	1355	SLU-ENVE	Max	29,92	-1,08	0,53	1,2	153,661
313	313	1356	SLU-ENVE	Max	11,848	-1,08	1,4	1,77	127,587
313	313	1335	SLU-ENVE	Max	11,428	1,13	1,4	1,8	51,088
313	313	1334	SLU-ENVE	Max	29,967	1,13	0,53	1,25	25,271
313	313	1355	SLU-ENVE	Min	-71,185	-31,43	-4,88	31,81	-171,181
313	313	1356	SLU-ENVE	Min	-73,6	-31,43	-8,34	32,52	-165,134
313	313	1335	SLU-ENVE	Min	-74,858	-36,22	-8,34	37,17	-167,029
313	313	1334	SLU-ENVE	Min	-71,78	-36,22	-4,88	36,55	-172,333
313	313	1355	SLE-ENVE	Max	36,22	-4,21	0,3	4,22	175,895
313	313	1356	SLE-ENVE	Max	12,549	-4,21	0,8	4,29	169,216
313	313	1335	SLE-ENVE	Max	12,094	-2,97	0,8	3,07	164,87
313	313	1334	SLE-ENVE	Max	36,298	-2,97	0,3	2,98	174,182
313	313	1355	SLE-ENVE	Min	-71,96	-19,02	-2,76	19,22	-171,747
313	313	1356	SLE-ENVE	Min	-71,719	-19,02	-4,69	19,59	-166,15
313	313	1335	SLE-ENVE	Min	-73,166	-21,66	-4,69	22,16	-167,784
313	313	1334	SLE-ENVE	Min	-72,514	-21,66	-2,76	21,83	-172,741
314	314	1334	SLU-ENVE	Max	30,132	1,21	-0,49	1,31	-21,988
314	314	1335	SLU-ENVE	Max	11,268	1,21	-0,05727	1,22	-2,7
314	314	1314	SLU-ENVE	Max	9,446	3,22	-0,05727	3,22	-1,018
314	314	1313	SLU-ENVE	Max	27,843	3,22	-0,49	3,26	-8,648
314	314	1334	SLU-ENVE	Min	-72,131	-36,39	-3,46	36,55	-174,568
314	314	1335	SLU-ENVE	Min	-76,111	-36,39	-3,64	36,57	-174,29
314	314	1314	SLU-ENVE	Min	-78,02	-42,35	-3,64	42,5	-175,09

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Element Forces - Area Shells, Part 3 of 3**

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
314	314	1313	SLU-ENVE	Min	-73,555	-42,35	-3,46	42,49	-175,329
314	314	1334	SLE-ENVE	Max	36,428	-2,9	-0,3	2,92	-174,169
314	314	1335	SLE-ENVE	Max	11,896	-2,9	0,001037	2,9	179,98
314	314	1314	SLE-ENVE	Max	9,885	-1,78	0,001037	1,78	179,967
314	314	1313	SLE-ENVE	Max	33,842	-1,78	-0,3	1,81	-170,555
314	314	1334	SLE-ENVE	Min	-72,899	-21,75	-2,02	21,84	-174,693
314	314	1335	SLE-ENVE	Min	-74,509	-21,75	-2,11	21,85	-174,469
314	314	1314	SLE-ENVE	Min	-76,731	-25,04	-2,11	25,13	-175,193
314	314	1313	SLE-ENVE	Min	-74,271	-25,04	-2,02	25,12	-175,388
315	315	18	SLU-ENVE	Max	-81,779	-130,22	264,66	294,96	116,199
315	315	29	SLU-ENVE	Max	-72,287	-130,22	88,53	157,47	145,792
315	315	2065	SLU-ENVE	Max	-67,91	-261,73	88,53	276,29	161,312
315	315	999	SLU-ENVE	Max	-80,15	-261,73	264,66	372,22	134,681
315	315	18	SLU-ENVE	Min	-81,502	-178,27	135,63	224	142,736
315	315	29	SLU-ENVE	Min	-76,826	-178,27	48,93	184,86	164,651
315	315	2065	SLU-ENVE	Min	-74,194	-437,18	48,93	439,91	173,613
315	315	999	SLU-ENVE	Min	-80,53	-437,18	135,63	457,74	162,765
315	315	18	SLE-ENVE	Max	-81,539	-70,15	145,74	161,74	115,703
315	315	29	SLE-ENVE	Max	-71,82	-70,15	48,88	85,5	145,131
315	315	2065	SLE-ENVE	Max	-67,326	-142,56	48,88	150,7	161,075
315	315	999	SLE-ENVE	Max	-79,845	-142,56	145,74	203,87	134,368
315	315	18	SLE-ENVE	Min	-81,54	-98,72	75	123,98	142,776
315	315	29	SLE-ENVE	Min	-76,803	-98,72	27,19	102,4	164,599
315	315	2065	SLE-ENVE	Min	-74,168	-241,22	27,19	242,75	173,568
315	315	999	SLE-ENVE	Min	-80,561	-241,22	75	252,61	162,729
316	316	1168	SLU-ENVE	Max	24,706	4,39	0,97	4,5	12,507
316	316	1169	SLU-ENVE	Max	7,839	4,39	8,08	9,2	61,465
316	316	1107	SLU-ENVE	Max	6,272	5,4	8,08	9,72	56,246
316	316	1129	SLU-ENVE	Max	21,454	5,4	0,97	5,49	10,23
316	316	1168	SLU-ENVE	Min	-73,669	-42,77	-1,85	42,81	-177,522
316	316	1169	SLU-ENVE	Min	-77,801	-42,77	-2,74	42,86	-176,332
316	316	1107	SLU-ENVE	Min	-76,557	-48,07	-2,74	48,15	-176,735
316	316	1129	SLU-ENVE	Min	-72,378	-48,07	-1,85	48,11	-177,795
316	316	1168	SLE-ENVE	Max	29,777	-0,98	0,34	1,03	160,886
316	316	1169	SLE-ENVE	Max	7,697	-0,98	4,49	4,59	102,287
316	316	1107	SLE-ENVE	Max	5,787	-0,61	4,49	4,53	97,769
316	316	1129	SLE-ENVE	Max	25,117	-0,61	0,34	0,7	151,045
316	316	1168	SLE-ENVE	Min	-74,326	-25,19	-1,17	25,22	-177,33
316	316	1169	SLE-ENVE	Min	-76,424	-25,19	-1,25	25,23	-177,155
316	316	1107	SLE-ENVE	Min	-74,923	-28,23	-1,25	28,26	-177,46
316	316	1129	SLE-ENVE	Min	-72,972	-28,23	-1,17	28,25	-177,617
330	330	2064	SLU-ENVE	Max	-74,794	-164,86	-3,92	164,9	-178,637
330	330	1319	SLU-ENVE	Max	-51,811	-164,86	19,92	166,06	173,11
330	330	21	SLU-ENVE	Max	-51,511	-194,13	19,92	195,15	174,141
330	330	29	SLU-ENVE	Max	-76,296	-194,13	-3,92	194,17	-178,843
330	330	2064	SLU-ENVE	Min	-76,576	-234,55	-13,22	234,92	-176,774
330	330	1319	SLU-ENVE	Min	-67,794	-234,55	9,25	234,73	177,741
330	330	21	SLU-ENVE	Min	-68,086	-288,9	9,25	289,05	178,165
330	330	29	SLU-ENVE	Min	-78,548	-288,9	-13,22	289,21	-177,38
330	330	2064	SLE-ENVE	Max	-74,141	-89,29	-2,38	89,32	-178,475
330	330	1319	SLE-ENVE	Max	-51,081	-89,29	11,07	89,97	172,934
330	330	21	SLE-ENVE	Max	-50,918	-105,43	11,07	106,01	174,007
330	330	29	SLE-ENVE	Max	-75,842	-105,43	-2,38	105,45	-178,709

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Element Forces - Area Shells, Part 3 of 3**

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
330	330	2064	SLE-ENVE	Min	-76,497	-129,66	-7,19	129,86	-176,826
330	330	1319	SLE-ENVE	Min	-67,515	-129,66	5,05	129,76	177,768
330	330	21	SLE-ENVE	Min	-67,854	-159,67	5,05	159,75	178,187
330	330	29	SLE-ENVE	Min	-78,518	-159,67	-7,19	159,83	-177,421
331	331	29	SLU-ENVE	Max	-71,857	-196,52	61,53	205,92	162,616
331	331	21	SLU-ENVE	Max	-50,822	-196,52	6,67	196,63	178,055
331	331	1174	SLU-ENVE	Max	-50,088	-192,63	6,67	192,75	178,016
331	331	2065	SLU-ENVE	Max	-68,228	-192,63	61,53	202,22	162,287
331	331	29	SLU-ENVE	Min	-76,833	-295,01	32,87	296,83	173,642
331	331	21	SLU-ENVE	Min	-67,186	-295,01	-6,71	295,08	-178,697
331	331	1174	SLU-ENVE	Min	-67,129	-292,07	-6,71	292,15	-178,684
331	331	2065	SLU-ENVE	Min	-74,568	-292,07	32,87	293,91	173,579
331	331	29	SLE-ENVE	Max	-71,367	-106,7	33,98	111,98	162,337
331	331	21	SLE-ENVE	Max	-50,286	-106,7	3,84	106,77	177,937
331	331	1174	SLE-ENVE	Max	-49,563	-104,63	3,84	104,7	177,897
331	331	2065	SLE-ENVE	Max	-67,622	-104,63	33,98	110,01	162,01
331	331	29	SLE-ENVE	Min	-76,801	-163,02	18,19	164,03	173,634
331	331	21	SLE-ENVE	Min	-66,962	-163,02	-3,62	163,06	-178,728
331	331	1174	SLE-ENVE	Min	-66,918	-161,6	-3,62	161,64	-178,717
331	331	2065	SLE-ENVE	Min	-74,533	-161,6	18,19	162,62	173,579
332	332	1317	SLU-ENVE	Max	41,129	158,84	3,2	158,87	1,153
332	332	2116	SLU-ENVE	Max	65,584	158,84	5,06	158,92	1,826
332	332	30	SLU-ENVE	Max	65,394	169,94	5,06	170,01	1,707
332	332	17	SLU-ENVE	Max	39,942	169,94	3,2	169,97	1,078
332	332	1317	SLU-ENVE	Min	-83,556	40,88	0,65	40,89	0,914
332	332	2116	SLU-ENVE	Min	-83,35	40,88	3,76	41,06	5,261
332	332	30	SLU-ENVE	Min	-83,574	42,53	3,76	42,69	5,059
332	332	17	SLU-ENVE	Min	-83,819	42,53	0,65	42,53	0,879
332	332	1317	SLE-ENVE	Max	40,993	87,22	1,99	87,24	1,308
332	332	2116	SLE-ENVE	Max	65,385	87,22	2,99	87,27	1,966
332	332	30	SLE-ENVE	Max	65,204	93,4	2,99	93,45	1,836
332	332	17	SLE-ENVE	Max	39,795	93,4	1,99	93,42	1,222
332	332	1317	SLE-ENVE	Min	-82,935	23,3	0,38	23,3	0,926
332	332	2116	SLE-ENVE	Min	-82,823	23,3	2,1	23,4	5,15
332	332	30	SLE-ENVE	Min	-83,119	24,26	2,1	24,35	4,948
332	332	17	SLE-ENVE	Min	-83,291	24,26	0,38	24,26	0,889
338	338	1377	SLU-ENVE	Max	9,893	4,66	3,17	5,63	34,21
338	338	1378	SLU-ENVE	Max	5,859	4,66	4,35	6,37	43,027
338	338	1357	SLU-ENVE	Max	5,76	7,31	4,35	8,51	30,738
338	338	1356	SLU-ENVE	Max	10,266	7,31	3,17	7,97	23,419
338	338	1377	SLU-ENVE	Min	-78,653	-10,28	-12,29	16,03	-129,919
338	338	1378	SLU-ENVE	Min	-87,059	-10,28	-19,48	22,03	-117,823
338	338	1357	SLU-ENVE	Min	-86,075	-20,89	-19,48	28,57	-136,998
338	338	1356	SLU-ENVE	Min	-77,737	-20,89	-12,29	24,24	-149,534
338	338	1377	SLE-ENVE	Max	10,503	0,25	1,78	1,8	82,127
338	338	1378	SLE-ENVE	Max	6,135	0,25	2,44	2,46	84,231
338	338	1357	SLE-ENVE	Max	5,926	1,73	2,44	2,99	54,698
338	338	1356	SLE-ENVE	Max	10,912	1,73	1,78	2,49	45,899
338	338	1377	SLE-ENVE	Min	-77,097	-6,44	-6,85	9,4	-133,201
338	338	1378	SLE-ENVE	Min	-86,114	-6,44	-10,85	12,61	-120,673
338	338	1357	SLE-ENVE	Min	-85,122	-12,32	-10,85	16,42	-138,636
338	338	1356	SLE-ENVE	Min	-76,146	-12,32	-6,85	14,1	-150,921
339	339	1356	SLU-ENVE	Max	10,414	7,59	2,35	7,94	17,217

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Element Forces - Area Shells, Part 3 of 3**

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
339	339	1357	SLU-ENVE	Max	5,807	7,59	3,55	8,37	25,049
339	339	1336	SLU-ENVE	Max	5,219	10,17	3,55	10,77	19,22
339	339	1335	SLU-ENVE	Max	9,912	10,17	2,35	10,44	13,016
339	339	1356	SLU-ENVE	Min	-77,676	-22,72	-11,14	25,3	-153,886
339	339	1357	SLU-ENVE	Min	-86,58	-22,72	-17,41	28,62	-142,534
339	339	1336	SLU-ENVE	Min	-88,328	-32,95	-17,41	37,27	-152,148
339	339	1335	SLU-ENVE	Min	-79,955	-32,95	-11,14	34,78	-161,326
339	339	1356	SLE-ENVE	Max	11,067	1,89	1,33	2,31	35,278
339	339	1357	SLE-ENVE	Max	5,977	1,89	2,02	2,76	46,951
339	339	1336	SLE-ENVE	Max	5,362	3,33	2,02	3,89	31,237
339	339	1335	SLE-ENVE	Max	10,527	3,33	1,33	3,59	21,841
339	339	1356	SLE-ENVE	Min	-76,094	-13,33	-6,23	14,72	-154,941
339	339	1357	SLE-ENVE	Min	-85,75	-13,33	-9,71	16,49	-143,941
339	339	1336	SLE-ENVE	Min	-87,971	-19,01	-9,71	21,35	-152,947
339	339	1335	SLE-ENVE	Min	-78,677	-19,01	-6,23	20,01	-161,844
340	340	1335	SLU-ENVE	Max	9,742	10,35	0,84	10,38	4,648
340	340	1336	SLU-ENVE	Max	4,99	10,35	1,52	10,46	8,366
340	340	1315	SLU-ENVE	Max	3,676	12,67	1,52	12,76	6,85
340	340	1314	SLU-ENVE	Max	7,887	12,67	0,84	12,7	3,8
340	340	1335	SLU-ENVE	Min	-82,209	-32,44	-6,11	33,01	-169,326
340	340	1336	SLU-ENVE	Min	89,309	-32,44	-0,06936	32,44	-179,878
340	340	1315	SLU-ENVE	Min	88,765	-36,45	-0,06936	36,45	-179,891
340	340	1314	SLU-ENVE	Min	-83,747	-36,45	-6,11	36,95	-170,476
340	340	1335	SLE-ENVE	Max	10,319	3,45	0,49	3,48	8,141
340	340	1336	SLE-ENVE	Max	5,119	3,45	0,95	3,58	15,421
340	340	1315	SLE-ENVE	Max	3,726	4,73	0,95	4,83	11,365
340	340	1314	SLE-ENVE	Max	8,265	4,73	0,49	4,76	5,951
340	340	1335	SLE-ENVE	Min	-81,194	-18,72	-3,48	19,04	-169,467
340	340	1336	SLE-ENVE	Min	89,142	-18,72	-0,0789	18,72	-179,759
340	340	1315	SLE-ENVE	Min	88,531	-20,94	-0,0789	20,94	-179,784
340	340	1314	SLE-ENVE	Min	-82,975	-20,94	-3,48	21,23	-170,564
341	341	17	SLU-ENVE	Max	39,94	170,71	-1,99	170,72	-0,668
341	341	30	SLU-ENVE	Max	65,449	170,71	-2,53	170,73	-0,848
341	341	2118	SLU-ENVE	Max	68,459	184,67	-2,53	184,69	-0,784
341	341	1172	SLU-ENVE	Max	43,213	184,67	-1,99	184,68	-0,617
341	341	17	SLU-ENVE	Min	-83,544	42,78	-13,52	44,87	-17,533
341	341	30	SLU-ENVE	Min	-83,228	42,78	-11,34	44,26	-14,843
341	341	2118	SLU-ENVE	Min	-83,631	45,88	-11,34	47,26	-13,88
341	341	1172	SLU-ENVE	Min	-83,878	45,88	-13,52	47,83	-16,415
341	341	17	SLE-ENVE	Max	39,79	93,83	-0,79	93,84	-0,48
341	341	30	SLE-ENVE	Max	65,264	93,83	-1,1	93,84	-0,67
341	341	2118	SLE-ENVE	Max	68,306	101,59	-1,1	101,59	-0,619
341	341	1172	SLE-ENVE	Max	43,035	101,59	-0,79	101,59	-0,443
341	341	17	SLE-ENVE	Min	-83,024	24,38	-7,47	25,5	-17,039
341	341	30	SLE-ENVE	Min	-82,788	24,38	-6,24	25,17	-14,355
341	341	2118	SLE-ENVE	Min	-83,28	26,1	-6,24	26,84	-13,445
341	341	1172	SLE-ENVE	Min	-83,457	26,1	-7,47	27,15	-15,975
342	342	1169	SLU-ENVE	Max	6,368	13,57	5,2	14,53	20,988
342	342	1170	SLU-ENVE	Max	3,076	13,57	14,06	19,54	46,027
342	342	1125	SLU-ENVE	Max	2,594	15,55	14,06	20,96	42,124
342	342	1107	SLU-ENVE	Max	5,565	15,55	5,2	16,4	18,505
342	342	1169	SLU-ENVE	Min	-82,013	-40,93	-2,09	40,98	-177,081
342	342	1170	SLU-ENVE	Min	-89,451	-40,93	-4,52	41,18	-173,695

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
342	342	1125	SLU-ENVE	Min	-87,861	-49,36	-4,52	49,57	-174,765
342	342	1107	SLU-ENVE	Min	-80,844	-49,36	-2,09	49,4	-177,579
342	342	1169	SLE-ENVE	Max	6,185	5,32	2,86	6,04	28,287
342	342	1170	SLE-ENVE	Max	2,906	5,32	7,81	9,45	55,743
342	342	1125	SLE-ENVE	Max	2,335	6,31	7,81	10,04	51,069
342	342	1107	SLE-ENVE	Max	5,181	6,31	2,86	6,93	24,405
342	342	1169	SLE-ENVE	Min	-80,886	-23,42	-0,96	23,44	-177,648
342	342	1170	SLE-ENVE	Min	-89,111	-23,42	-2,11	23,51	-174,854
342	342	1125	SLE-ENVE	Min	-87,182	-28,12	-2,11	28,2	-175,711
342	342	1107	SLE-ENVE	Min	-79,506	-28,12	-0,96	28,14	-178,041
356	356	2116	SLU-ENVE	Max	65,93	177,44	6,65	177,57	2,146
356	356	2117	SLU-ENVE	Max	77,697	177,44	14,36	178,02	4,625
356	356	31	SLU-ENVE	Max	77,578	193,26	14,36	193,79	4,248
356	356	30	SLU-ENVE	Max	65,632	193,26	6,65	193,37	1,971
356	356	2116	SLU-ENVE	Min	-82,428	45,09	5,19	45,39	6,566
356	356	2117	SLU-ENVE	Min	-82,4	45,09	9,42	46,06	11,799
356	356	31	SLU-ENVE	Min	-82,48	49,04	9,42	49,93	10,873
356	356	30	SLU-ENVE	Min	-82,746	49,04	5,19	49,31	6,041
356	356	2116	SLE-ENVE	Max	65,735	97,44	3,73	97,51	2,194
356	356	2117	SLE-ENVE	Max	77,596	97,44	7,96	97,76	4,667
356	356	31	SLE-ENVE	Max	77,636	106,23	7,96	106,53	4,283
356	356	30	SLE-ENVE	Max	65,443	106,23	3,73	106,29	2,012
356	356	2116	SLE-ENVE	Min	-81,818	25,96	3,08	26,14	6,758
356	356	2117	SLE-ENVE	Min	-81,858	25,96	5,37	26,5	11,682
356	356	31	SLE-ENVE	Min	-81,988	28,21	5,37	28,72	10,77
356	356	30	SLE-ENVE	Min	-82,229	28,21	3,08	28,38	6,221
357	357	30	SLU-ENVE	Max	65,842	195,03	-2,07	195,04	-0,609
357	357	31	SLU-ENVE	Max	77,892	195,03	-3,43	195,06	-1,006
357	357	2119	SLU-ENVE	Max	79,449	205,13	-3,43	205,15	-0,957
357	357	2118	SLU-ENVE	Max	69,141	205,13	-2,07	205,14	-0,579
357	357	30	SLU-ENVE	Min	-82,339	50,01	-8,29	50,69	-9,418
357	357	31	SLU-ENVE	Min	-82,025	50,01	-8,34	50,7	-9,471
357	357	2119	SLU-ENVE	Min	-82,468	49,58	-8,34	50,28	-9,55
357	357	2118	SLU-ENVE	Min	-82,675	49,58	-8,29	50,27	-9,497
357	357	30	SLE-ENVE	Max	65,657	107,21	-0,83	107,21	-0,446
357	357	31	SLE-ENVE	Max	77,954	107,21	-1,61	107,22	-0,862
357	357	2119	SLE-ENVE	Max	79,379	112,86	-1,61	112,87	-0,819
357	357	2118	SLE-ENVE	Max	68,985	112,86	-0,83	112,87	-0,424
357	357	30	SLE-ENVE	Min	-81,831	28,72	-4,55	29,07	-8,997
357	357	31	SLE-ENVE	Min	-81,551	28,72	-4,54	29,07	-8,981
357	357	2119	SLE-ENVE	Min	-82,111	28,55	-4,54	28,91	-9,034
357	357	2118	SLE-ENVE	Min	-82,27	28,55	-4,55	28,91	-9,05
358	358	2117	SLU-ENVE	Max	79,128	165,23	24,25	167,01	8,351
358	358	1318	SLU-ENVE	Max	83,942	165,23	31,21	168,16	10,695
358	358	19	SLU-ENVE	Max	83,8	240,88	31,21	242,89	7,382
358	358	31	SLU-ENVE	Max	78,132	240,88	24,25	242,1	5,75
358	358	2117	SLU-ENVE	Min	-81,212	38,79	13,41	41,04	19,066
358	358	1318	SLU-ENVE	Min	-81,649	38,79	17,73	42,65	24,562
358	358	19	SLU-ENVE	Min	-82,834	73,78	17,73	75,88	13,511
358	358	31	SLU-ENVE	Min	-81,724	73,78	13,41	74,99	10,298
358	358	2117	SLE-ENVE	Max	79,042	90,64	13,43	91,63	8,426
358	358	1318	SLE-ENVE	Max	83,553	90,64	17,25	92,26	10,773
358	358	19	SLE-ENVE	Max	83,454	132,36	17,25	133,48	7,424

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Element Forces - Area Shells, Part 3 of 3**

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
358	358	31	SLE-ENVE	Max	78,189	132,36	13,43	133,04	5,792
358	358	2117	SLE-ENVE	Min	-80,576	22,78	7,61	24,02	18,46
358	358	1318	SLE-ENVE	Min	-81,467	22,78	9,89	24,84	23,473
358	358	19	SLE-ENVE	Min	-82,737	42,26	9,89	43,4	13,176
358	358	31	SLE-ENVE	Min	-81,174	42,26	7,61	42,94	10,202
364	364	1378	SLU-ENVE	Max	4,291	17,45	5,55	18,31	17,656
364	364	1379	SLU-ENVE	Max	14,623	17,45	6,98	18,79	21,798
364	364	1358	SLU-ENVE	Max	13,163	16,72	6,98	18,12	22,649
364	364	1357	SLU-ENVE	Max	4,145	16,72	5,55	17,62	18,37
364	364	1378	SLU-ENVE	Min	84,665	11,42	-21,86	24,66	-62,426
364	364	1379	SLU-ENVE	Min	89,399	11,42	-24,72	27,23	-65,214
364	364	1358	SLU-ENVE	Min	89,311	13,68	-24,72	28,26	-61,035
364	364	1357	SLU-ENVE	Min	84,994	13,68	-21,86	25,79	-57,955
364	364	1378	SLE-ENVE	Max	4,492	8,98	3,11	9,5	19,134
364	364	1379	SLE-ENVE	Max	15,638	8,98	3,9	9,79	23,506
364	364	1358	SLE-ENVE	Max	13,361	8,5	3,9	9,35	24,676
364	364	1357	SLE-ENVE	Max	4,269	8,5	3,11	9,05	20,128
364	364	1378	SLE-ENVE	Min	82,923	5,25	-12,17	13,25	-66,663
364	364	1379	SLE-ENVE	Min	89,172	5,25	-13,75	14,72	-69,107
364	364	1358	SLE-ENVE	Min	89,122	7,1	-13,75	15,48	-62,685
364	364	1357	SLE-ENVE	Min	83,72	7,1	-12,17	14,09	-59,727
365	365	1357	SLU-ENVE	Max	4,375	16,33	4,74	17,01	16,174
365	365	1358	SLU-ENVE	Max	13,627	16,33	6,32	17,51	21,138
365	365	1337	SLU-ENVE	Max	13,005	19,51	6,32	20,5	17,938
365	365	1336	SLU-ENVE	Max	4,699	19,51	4,74	20,08	13,65
365	365	1357	SLU-ENVE	Min	84,908	12,94	-19,6	23,49	-56,573
365	365	1358	SLU-ENVE	Min	89,258	12,94	-22,13	25,63	-59,682
365	365	1337	SLU-ENVE	Min	89,431	10,32	-22,13	24,41	-65,004
365	365	1336	SLU-ENVE	Min	85,476	10,32	-19,6	22,15	-62,245
365	365	1357	SLE-ENVE	Max	4,506	8,28	2,68	8,71	17,947
365	365	1358	SLE-ENVE	Max	13,821	8,28	3,56	9,02	23,282
365	365	1337	SLE-ENVE	Max	13,177	9,72	3,56	10,35	20,147
365	365	1336	SLE-ENVE	Max	4,818	9,72	2,68	10,08	15,437
365	365	1357	SLE-ENVE	Min	83,609	6,69	-10,93	12,81	-58,512
365	365	1358	SLE-ENVE	Min	89,044	6,69	-12,32	14,02	-61,478
365	365	1337	SLE-ENVE	Min	89,27	5,24	-12,32	13,38	-66,966
365	365	1336	SLE-ENVE	Min	84,408	5,24	-10,93	12,12	-64,397
366	366	1336	SLU-ENVE	Max	6,112	19,76	2,63	19,94	7,595
366	366	1337	SLU-ENVE	Max	13,317	19,76	5,92	20,63	16,68
366	366	1316	SLU-ENVE	Max	9,547	23,11	5,92	23,85	14,374
366	366	1315	SLU-ENVE	Max	4,687	23,11	2,63	23,26	6,506
366	366	1336	SLU-ENVE	Min	85,792	11,12	-0,89	11,15	-4,569
366	366	1337	SLU-ENVE	Min	89,687	11,12	3,4	11,63	17,023
366	366	1316	SLU-ENVE	Min	-89,966	14,74	3,4	15,12	13,008
366	366	1315	SLU-ENVE	Min	86,712	14,74	-0,89	14,76	-3,451
366	366	1336	SLE-ENVE	Max	6,254	9,87	1,56	9,99	8,998
366	366	1337	SLE-ENVE	Max	13,478	9,87	3,27	10,39	18,359
366	366	1316	SLE-ENVE	Max	9,616	11,72	3,27	12,17	15,608
366	366	1315	SLE-ENVE	Max	4,758	11,72	1,56	11,82	7,593
366	366	1336	SLE-ENVE	Min	84,812	5,69	-0,54	5,72	-5,413
366	366	1337	SLE-ENVE	Min	89,56	5,69	2,01	6,04	19,473
366	366	1316	SLE-ENVE	Min	89,992	7,69	2,01	7,95	14,66
366	366	1315	SLE-ENVE	Min	86,03	7,69	-0,54	7,71	-4,01

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
367	367	31	SLU-ENVE	Max	78,579	244,96	-7,47	245,07	-1,746
367	367	19	SLU-ENVE	Max	82,093	244,96	-5,25	245,01	-1,229
367	367	1173	SLU-ENVE	Max	82,154	182,33	-5,25	182,41	-1,65
367	367	2119	SLU-ENVE	Max	80,087	182,33	-7,47	182,48	-2,345
367	367	31	SLU-ENVE	Min	-81,229	76,36	-13,95	77,62	-10,35
367	367	19	SLU-ENVE	Min	-83,499	76,36	-8,66	76,85	-6,47
367	367	1173	SLU-ENVE	Min	-82,942	39,62	-8,66	40,56	-12,33
367	367	2119	SLU-ENVE	Min	-81,776	39,62	-13,95	42	-19,392
367	367	31	SLE-ENVE	Max	78,639	134,6	-3,82	134,66	-1,625
367	367	19	SLE-ENVE	Max	81,663	134,6	-2,61	134,63	-1,113
367	367	1173	SLE-ENVE	Max	81,708	100,27	-2,61	100,31	-1,493
367	367	2119	SLE-ENVE	Max	80,024	100,27	-3,82	100,35	-2,181
367	367	31	SLE-ENVE	Min	-80,695	43,62	-7,6	44,28	-9,88
367	367	19	SLE-ENVE	Min	-83,462	43,62	-4,64	43,87	-6,078
367	367	1173	SLE-ENVE	Min	-82,929	23,5	-4,64	23,95	-11,181
367	367	2119	SLE-ENVE	Min	-81,386	23,5	-7,6	24,7	-17,917
368	368	1170	SLU-ENVE	Max	3,101	24,28	12,27	27,21	26,802
368	368	1171	SLU-ENVE	Max	8,768	24,28	12,65	27,38	27,518
368	368	1105	SLU-ENVE	Max	6,783	27,41	12,65	30,19	24,775
368	368	1125	SLU-ENVE	Max	2,833	27,41	12,27	30,03	24,111
368	368	1170	SLU-ENVE	Min	87,532	12,03	-3,45	12,51	-16,019
368	368	1171	SLU-ENVE	Min	-89,736	12,03	-7,94	14,41	-33,417
368	368	1105	SLU-ENVE	Min	89,458	11,09	-7,94	13,64	-35,576
368	368	1125	SLU-ENVE	Min	86,827	11,09	-3,45	11,62	-17,289
368	368	1170	SLE-ENVE	Max	3,032	12,42	6,8	14,16	28,722
368	368	1171	SLE-ENVE	Max	8,717	12,42	7,02	14,27	29,496
368	368	1105	SLE-ENVE	Max	6,694	14,1	7,02	15,76	26,472
368	368	1125	SLE-ENVE	Max	2,743	14,1	6,8	15,66	25,752
368	368	1170	SLE-ENVE	Min	87,374	6,2	-1,55	6,39	-14,047
368	368	1171	SLE-ENVE	Min	-89,693	6,2	-3,92	7,33	-32,294
368	368	1105	SLE-ENVE	Min	89,469	5,67	-3,92	6,89	-34,63
368	368	1125	SLE-ENVE	Min	86,646	5,67	-1,55	5,88	-15,291
390	390	1379	SLU-ENVE	Max	20,123	49,36	8,51	50,09	9,787
390	390	1380	SLU-ENVE	Max	44,964	49,36	9,74	50,31	11,163
390	390	1359	SLU-ENVE	Max	46,236	67,97	9,74	68,67	8,156
390	390	1358	SLU-ENVE	Max	19,537	67,97	8,51	68,5	7,14
390	390	1379	SLU-ENVE	Min	-86,43	17,16	-22,51	28,31	-52,675
390	390	1380	SLU-ENVE	Min	-83,417	17,16	-15,75	23,3	-42,539
390	390	1359	SLU-ENVE	Min	-84,775	22,03	-15,75	27,08	-35,563
390	390	1358	SLU-ENVE	Min	-87,187	22,03	-22,51	31,5	-45,62
390	390	1379	SLE-ENVE	Max	21,278	26,6	4,76	27,03	10,143
390	390	1380	SLE-ENVE	Max	46,274	26,6	5,44	27,15	11,547
390	390	1359	SLE-ENVE	Max	46,074	36,94	5,44	37,34	8,37
390	390	1358	SLE-ENVE	Max	19,773	36,94	4,76	37,25	7,342
390	390	1379	SLE-ENVE	Min	-85,342	9,53	-12,52	15,74	-52,721
390	390	1380	SLE-ENVE	Min	-81,958	9,53	-8,76	12,95	-42,583
390	390	1359	SLE-ENVE	Min	-83,971	12,23	-8,76	15,05	-35,611
390	390	1358	SLE-ENVE	Min	-86,605	12,23	-12,52	17,51	-45,673
391	391	1358	SLU-ENVE	Max	19,831	69,83	7,91	70,27	6,461
391	391	1359	SLU-ENVE	Max	46,099	69,83	9,41	70,46	7,678
391	391	1338	SLU-ENVE	Max	48,005	88,73	9,41	89,23	6,056
391	391	1337	SLU-ENVE	Max	17,777	88,73	7,91	89,08	5,093
391	391	1358	SLU-ENVE	Min	-87,236	22,19	-19,7	29,67	-41,601

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
391	391	1359	SLU-ENVE	Min	-84,752	22,19	-13,08	25,76	-30,516
391	391	1338	SLU-ENVE	Min	-85,265	27,42	-13,08	30,38	-25,501
391	391	1337	SLU-ENVE	Min	-87,377	27,42	-19,7	33,76	-35,699
391	391	1358	SLE-ENVE	Max	20,061	37,98	4,45	38,24	6,684
391	391	1359	SLE-ENVE	Max	45,941	37,98	5,27	38,34	7,906
391	391	1338	SLE-ENVE	Max	47,878	48,47	5,27	48,76	6,209
391	391	1337	SLE-ENVE	Max	17,979	48,47	4,45	48,68	5,246
391	391	1358	SLE-ENVE	Min	-86,677	12,32	-10,97	16,49	-41,683
391	391	1359	SLE-ENVE	Min	-83,96	12,32	-7,28	14,31	-30,589
391	391	1338	SLE-ENVE	Min	-84,656	15,22	-7,28	16,87	-25,571
391	391	1337	SLE-ENVE	Min	-86,928	15,22	-10,97	18,76	-35,784
392	392	1337	SLU-ENVE	Max	17,469	89,01	8,88	89,45	5,699
392	392	1338	SLU-ENVE	Max	48,355	89,01	8,96	89,46	5,75
392	392	1317	SLU-ENVE	Max	40,906	104,2	8,96	104,58	4,916
392	392	1316	SLU-ENVE	Max	12,39	104,2	8,88	104,58	4,872
392	392	1337	SLU-ENVE	Min	-87,074	27,66	4,74	28,06	9,735
392	392	1338	SLU-ENVE	Min	-85,076	27,66	6,11	28,33	12,46
392	392	1317	SLU-ENVE	Min	-85,461	32,57	6,11	33,13	10,629
392	392	1316	SLU-ENVE	Min	-87,104	32,57	4,74	32,91	8,29
392	392	1337	SLE-ENVE	Max	17,657	48,63	4,91	48,88	5,771
392	392	1338	SLE-ENVE	Max	48,22	48,63	4,97	48,89	5,837
392	392	1317	SLE-ENVE	Max	40,768	57,07	4,97	57,29	4,979
392	392	1316	SLE-ENVE	Max	12,48	57,07	4,91	57,28	4,922
392	392	1337	SLE-ENVE	Min	-86,584	15,34	2,76	15,59	10,192
392	392	1338	SLE-ENVE	Min	-84,473	15,34	3,49	15,73	12,816
392	392	1317	SLE-ENVE	Min	-85,001	18,07	3,49	18,41	10,928
392	392	1316	SLE-ENVE	Min	-86,708	18,07	2,76	18,28	8,676
394	394	1171	SLU-ENVE	Max	11,615	110,89	14,83	111,87	7,617
394	394	1172	SLU-ENVE	Max	43,261	110,89	-2,04	110,91	-1,052
394	394	1127	SLU-ENVE	Max	40,701	127,9	-2,04	127,92	-0,912
394	394	1105	SLU-ENVE	Max	10,806	127,9	14,83	128,76	6,613
394	394	1171	SLU-ENVE	Min	-87,075	34,63	-6,18	35,18	-10,117
394	394	1172	SLU-ENVE	Min	-85,68	34,63	-12,39	36,78	-19,688
394	394	1127	SLU-ENVE	Min	-87,389	38,78	-12,39	40,71	-17,721
394	394	1105	SLU-ENVE	Min	-88,717	38,78	-6,18	39,27	-9,054
394	394	1171	SLE-ENVE	Max	11,603	60,82	8,22	61,37	7,701
394	394	1172	SLE-ENVE	Max	43,086	60,82	-1,08	60,83	-1,013
394	394	1127	SLE-ENVE	Max	40,447	70,24	-1,08	70,25	-0,877
394	394	1105	SLE-ENVE	Max	10,751	70,24	8,22	70,72	6,679
394	394	1171	SLE-ENVE	Min	-86,762	19,23	-2,97	19,45	-8,777
394	394	1172	SLE-ENVE	Min	-85,44	19,23	-6,36	20,25	-18,291
394	394	1127	SLE-ENVE	Min	-87,325	21,55	-6,36	22,46	-16,434
394	394	1105	SLE-ENVE	Min	-88,663	21,55	-2,97	21,75	-7,844
442	442	1381	SLU-ENVE	Max	82,448	78,4	20,22	80,97	14,458
442	442	1003	SLU-ENVE	Max	-86,132	78,4	31,68	84,56	22,004
442	442	1002	SLU-ENVE	Max	-87,166	123,95	31,68	127,94	14,338
442	442	1360	SLU-ENVE	Max	83,762	123,95	20,22	125,59	9,263
442	442	1381	SLU-ENVE	Min	-73,946	19,26	14,64	24,19	37,24
442	442	1003	SLU-ENVE	Min	-75,524	19,26	15,64	24,81	39,071
442	442	1002	SLU-ENVE	Min	-79,005	34,95	15,64	38,29	24,104
442	442	1360	SLU-ENVE	Min	-76,457	34,95	14,64	37,89	22,73
442	442	1381	SLE-ENVE	Max	82,123	42,14	11,23	43,61	14,918
442	442	1003	SLE-ENVE	Max	-85,859	42,14	17,6	45,66	22,663



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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
442	442	1002	SLE-ENVE	Max	-87,021	67,44	17,6	69,7	14,622
442	442	1360	SLE-ENVE	Max	83,17	67,44	11,23	68,37	9,451
442	442	1381	SLE-ENVE	Min	-73,09	12,73	8,15	15,12	32,61
442	442	1003	SLE-ENVE	Min	-75,161	12,73	8,69	15,42	34,312
442	442	1002	SLE-ENVE	Min	-78,807	21,5	8,69	23,19	22,011
442	442	1360	SLE-ENVE	Min	-75,875	21,5	8,15	22,99	20,754
443	443	1360	SLU-ENVE	Max	83,995	123,93	23,11	126,07	10,564
443	443	1002	SLU-ENVE	Max	-86,882	123,93	23,7	126,17	10,826
443	443	1001	SLU-ENVE	Max	-87,687	159,78	23,7	161,52	8,437
443	443	1339	SLU-ENVE	Max	84,646	159,78	23,11	161,44	8,231
443	443	1360	SLU-ENVE	Min	-76,215	33,73	15,52	37,13	24,715
443	443	1002	SLU-ENVE	Min	-78,8	33,73	12,28	35,89	20,004
443	443	1001	SLU-ENVE	Min	-81,518	41,72	12,28	43,49	16,399
443	443	1339	SLU-ENVE	Min	-78,88	41,72	15,52	44,52	20,409
443	443	1360	SLE-ENVE	Max	83,431	67,44	12,82	68,64	10,764
443	443	1002	SLE-ENVE	Max	-86,721	67,44	13,19	68,71	11,071
443	443	1001	SLE-ENVE	Max	-87,58	87,38	13,19	88,37	8,587
443	443	1339	SLE-ENVE	Max	84,233	87,38	12,82	88,31	8,347
443	443	1360	SLE-ENVE	Min	-75,639	20,81	8,64	22,53	22,546
443	443	1002	SLE-ENVE	Min	-78,612	20,81	6,79	21,89	18,074
443	443	1001	SLE-ENVE	Min	-81,42	25,22	6,79	26,12	15,068
443	443	1339	SLE-ENVE	Min	-78,507	25,22	8,64	26,66	18,906
444	444	1339	SLU-ENVE	Max	84,41	162,47	19,85	163,68	6,967
444	444	1001	SLU-ENVE	Max	-88,777	162,47	55,15	171,58	18,75
444	444	1000	SLU-ENVE	Max	-87,591	217,42	55,15	224,3	14,234
444	444	1318	SLU-ENVE	Max	86,751	217,42	19,85	218,32	5,217
444	444	1339	SLU-ENVE	Min	-79,273	42,86	10,75	44,19	14,076
444	444	1001	SLU-ENVE	Min	-82,158	42,86	29,68	52,14	34,701
444	444	1000	SLU-ENVE	Min	-82,524	65,58	29,68	71,99	24,351
444	444	1318	SLU-ENVE	Min	-79,854	65,58	10,75	66,46	9,307
444	444	1339	SLE-ENVE	Max	84,001	88,86	11,02	89,54	7,071
444	444	1001	SLE-ENVE	Max	-88,7	88,86	30,46	93,94	18,919
444	444	1000	SLE-ENVE	Max	-87,481	119,2	30,46	123,03	14,334
444	444	1318	SLE-ENVE	Max	86,548	119,2	11,02	119,7	5,284
444	444	1339	SLE-ENVE	Min	-78,928	25,84	6	26,53	13,065
444	444	1001	SLE-ENVE	Min	-82,086	25,84	16,51	30,67	32,576
444	444	1000	SLE-ENVE	Min	-82,487	38,46	16,51	41,85	23,234
444	444	1318	SLE-ENVE	Min	-79,595	38,46	6	38,92	8,863
446	446	1173	SLU-ENVE	Max	87,309	291,21	-19,4	291,85	-3,812
446	446	999	SLU-ENVE	Max	-87,461	291,21	-62,51	297,84	-12,115
446	446	902	SLU-ENVE	Max	-88,207	245,73	-62,51	253,56	-14,272
446	446	1113	SLU-ENVE	Max	88,16	245,73	-19,4	246,49	-4,515
446	446	1173	SLU-ENVE	Min	-79,358	103,93	-22,77	106,4	-12,36
446	446	999	SLU-ENVE	Min	-82,684	103,93	-111,43	152,38	-46,995
446	446	902	SLU-ENVE	Min	-84,411	65,57	-111,43	129,29	-59,527
446	446	1113	SLU-ENVE	Min	-81,815	65,57	-22,77	69,41	-19,154
446	446	1173	SLE-ENVE	Max	87,154	159,89	-10	160,2	-3,581
446	446	999	SLE-ENVE	Max	-87,337	159,89	-33,72	163,4	-11,908
446	446	902	SLE-ENVE	Max	-88,142	135,62	-33,72	139,75	-13,961
446	446	1113	SLE-ENVE	Max	88,067	135,62	-10	135,99	-4,219
446	446	1173	SLE-ENVE	Min	-79,366	59,05	-12,14	60,28	-11,615
446	446	999	SLE-ENVE	Min	-82,778	59,05	-61,08	84,96	-45,967
446	446	902	SLE-ENVE	Min	-84,545	39,42	-61,08	72,69	-57,161

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
446	446	1113	SLE-ENVE	Min	-81,942	39,42	-12,14	41,25	-17,114
494	494	1382	SLU-ENVE	Max	-48,249	-86,47	-2,24	86,5	-178,517
494	494	1383	SLU-ENVE	Max	-27,158	-86,47	-13,82	87,57	-170,92
494	494	1362	SLU-ENVE	Max	-27,116	-110,91	-13,82	111,77	-172,898
494	494	1361	SLU-ENVE	Max	-49,716	-110,91	-2,24	110,94	-178,844
494	494	1382	SLU-ENVE	Min	-58,025	-95,6	-12,68	96,44	-172,445
494	494	1383	SLU-ENVE	Min	-38,968	-95,6	-22,09	98,12	-166,99
494	494	1362	SLU-ENVE	Min	-40,427	-127,33	-22,09	129,23	-170,159
494	494	1361	SLU-ENVE	Min	-61,67	-127,33	-12,68	127,96	-174,313
494	494	1382	SLE-ENVE	Max	-47,674	-44,92	-1,26	44,94	-178,397
494	494	1383	SLE-ENVE	Max	-27,686	-44,92	-7,71	45,58	-170,266
494	494	1362	SLE-ENVE	Max	-27,558	-58,5	-7,71	59,01	-172,495
494	494	1361	SLE-ENVE	Max	-49,112	-58,5	-1,26	58,51	-178,769
494	494	1382	SLE-ENVE	Min	-57,342	-51,68	-7,07	52,16	-172,215
494	494	1383	SLE-ENVE	Min	-38,329	-51,68	-12,32	53,13	-166,593
494	494	1362	SLE-ENVE	Min	-39,81	-69,3	-12,32	70,39	-169,921
494	494	1361	SLE-ENVE	Min	-61,117	-69,3	-7,07	69,66	-174,179
495	495	1361	SLU-ENVE	Max	-49,629	-113,57	0,49	113,57	179,752
495	495	1362	SLU-ENVE	Max	-27,333	-113,57	-9,54	113,97	-175,196
495	495	1341	SLU-ENVE	Max	-25,829	-138,56	-9,54	138,89	-176,06
495	495	1340	SLU-ENVE	Max	-51,659	-138,56	0,49	138,56	179,797
495	495	1361	SLU-ENVE	Min	-61,482	-130,47	-10,19	130,86	-175,533
495	495	1362	SLU-ENVE	Min	-40,462	-130,47	-18,39	131,76	-171,977
495	495	1341	SLU-ENVE	Min	-40,388	-163,68	-18,39	164,71	-173,59
495	495	1340	SLU-ENVE	Min	-64,946	-163,68	-10,19	163,99	-176,437
495	495	1361	SLE-ENVE	Max	-49,032	-60	0,25	60	179,76
495	495	1362	SLE-ENVE	Max	-27,77	-60	-5,35	60,23	-174,906
495	495	1341	SLE-ENVE	Max	-26,278	-73,85	-5,35	74,04	-175,858
495	495	1340	SLE-ENVE	Max	-51,086	-73,85	0,25	73,85	179,805
495	495	1361	SLE-ENVE	Min	-60,936	-71,06	-5,7	71,29	-175,413
495	495	1362	SLE-ENVE	Min	-39,854	-71,06	-10,29	71,8	-171,759
495	495	1341	SLE-ENVE	Min	-39,724	-90,12	-10,29	90,7	-173,485
495	495	1340	SLE-ENVE	Min	-64,521	-90,12	-5,7	90,3	-176,38
496	496	1340	SLU-ENVE	Max	-52,07	-138,88	17,19	139,94	172,945
496	496	1341	SLU-ENVE	Max	-25,331	-138,88	17,29	139,95	172,903
496	496	1320	SLU-ENVE	Max	-20,561	-160,12	17,29	161,05	173,836
496	496	1319	SLU-ENVE	Max	-50,472	-160,12	17,19	161,04	173,873
496	496	1340	SLU-ENVE	Min	-65,51	-164,2	3,95	164,25	178,622
496	496	1341	SLU-ENVE	Min	-40,269	-164,2	7,12	164,36	177,516
496	496	1320	SLU-ENVE	Min	-35,456	-196,57	7,12	196,7	177,924
496	496	1319	SLU-ENVE	Min	-67,179	-196,57	3,95	196,61	178,849
496	496	1340	SLE-ENVE	Max	-51,458	-74,05	9,55	74,66	172,65
496	496	1341	SLE-ENVE	Max	-25,785	-74,05	9,63	74,67	172,594
496	496	1320	SLE-ENVE	Max	-20,945	-85,79	9,63	86,33	173,599
496	496	1319	SLE-ENVE	Max	-49,861	-85,79	9,55	86,32	173,647
496	496	1340	SLE-ENVE	Min	-65,082	-90,4	2,14	90,43	178,644
496	496	1341	SLE-ENVE	Min	-39,579	-90,4	3,87	90,48	177,546
496	496	1320	SLE-ENVE	Min	-34,813	-108,72	3,87	108,79	177,959
496	496	1319	SLE-ENVE	Min	-66,855	-108,72	2,14	108,74	178,873
498	498	1174	SLU-ENVE	Max	-49,984	-169,39	-10,64	169,72	-176,404
498	498	1175	SLU-ENVE	Max	-19,554	-169,39	15,28	170,08	174,847
498	498	1103	SLU-ENVE	Max	-18,25	-195,99	15,28	196,59	175,543
498	498	1123	SLU-ENVE	Max	-52,58	-195,99	-10,64	196,28	-176,891

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
498	498	1174	SLU-ENVE	Min	-67,354	-212,09	-25,82	213,65	-173,06
498	498	1175	SLU-ENVE	Min	-35,061	-212,09	8,8	212,27	177,624
498	498	1103	SLU-ENVE	Min	-33,053	-249,53	8,8	249,68	177,98
498	498	1123	SLU-ENVE	Min	-70,743	-249,53	-25,82	250,86	-174,093
498	498	1174	SLE-ENVE	Max	-49,439	-91,09	-5,54	91,26	-176,518
498	498	1175	SLE-ENVE	Max	-19,933	-91,09	8,52	91,49	174,656
498	498	1103	SLE-ENVE	Max	-18,505	-105,78	8,52	106,13	175,394
498	498	1123	SLE-ENVE	Max	-51,888	-105,78	-5,54	105,93	-177
498	498	1174	SLE-ENVE	Min	-67,169	-117,38	-14,09	118,22	-173,157
498	498	1175	SLE-ENVE	Min	-34,38	-117,38	5,06	117,49	177,533
498	498	1103	SLE-ENVE	Min	-32,363	-138,16	5,06	138,26	177,904
498	498	1123	SLE-ENVE	Min	-70,669	-138,16	-14,09	138,88	-174,178
520	520	1383	SLU-ENVE	Max	-25,971	-56,79	-22,07	60,93	-158,76
520	520	1384	SLU-ENVE	Max	-13,568	-56,79	-27,14	62,94	-154,461
520	520	1363	SLU-ENVE	Max	-13,131	-59	-27,14	64,94	-155,302
520	520	1362	SLU-ENVE	Max	-25,67	-59	-22,07	63	-159,489
520	520	1383	SLU-ENVE	Min	-38,6	-72,94	-25,9	77,4	-160,447
520	520	1384	SLU-ENVE	Min	-22,268	-72,94	-32,78	79,97	-155,797
520	520	1363	SLU-ENVE	Min	-22,425	-93,6	-32,78	99,18	-160,697
520	520	1362	SLU-ENVE	Min	-40,129	-93,6	-25,9	97,12	-164,53
520	520	1383	SLE-ENVE	Max	-26,513	-28,74	-12,31	31,26	-156,817
520	520	1384	SLE-ENVE	Max	-14,148	-28,74	-15,15	32,48	-152,205
520	520	1363	SLE-ENVE	Max	-13,678	-29,96	-15,15	33,57	-153,18
520	520	1362	SLE-ENVE	Max	-26,126	-29,96	-12,31	32,39	-157,671
520	520	1383	SLE-ENVE	Min	-37,928	-38,4	-14,44	41,02	-159,398
520	520	1384	SLE-ENVE	Min	-21,901	-38,4	-18,26	42,52	-154,569
520	520	1363	SLE-ENVE	Min	-22,071	-49,88	-18,26	53,11	-159,893
520	520	1362	SLE-ENVE	Min	-39,475	-49,88	-14,44	51,92	-163,859
521	521	1362	SLU-ENVE	Max	-25,949	-59,3	-18,34	62,07	-162,813
521	521	1363	SLU-ENVE	Max	-13,401	-59,3	-23,29	63,71	-158,561
521	521	1342	SLU-ENVE	Max	-12,356	-62,97	-23,29	67,14	-159,706
521	521	1341	SLU-ENVE	Max	-24,777	-62,97	-18,34	65,59	-163,76
521	521	1362	SLU-ENVE	Min	-40,176	-96,08	-22,66	98,71	-166,726
521	521	1363	SLU-ENVE	Min	-22,68	-96,08	-28,25	100,14	-163,615
521	521	1342	SLU-ENVE	Min	-21,105	-117,55	-28,25	120,9	-166,487
521	521	1341	SLU-ENVE	Min	-40,143	-117,55	-22,66	119,71	-169,087
521	521	1362	SLE-ENVE	Max	-26,399	-30,14	-10,23	31,83	-161,257
521	521	1363	SLE-ENVE	Max	-13,954	-30,14	-13,04	32,84	-156,6
521	521	1342	SLE-ENVE	Max	-12,851	-32,17	-13,04	34,71	-157,928
521	521	1341	SLE-ENVE	Max	-25,234	-32,17	-10,23	33,75	-162,362
521	521	1362	SLE-ENVE	Min	-39,533	-51,26	-12,66	52,8	-166,132
521	521	1363	SLE-ENVE	Min	-22,319	-51,26	-15,8	53,64	-162,87
521	521	1342	SLE-ENVE	Min	-20,767	-63,18	-15,8	65,13	-165,96
521	521	1341	SLE-ENVE	Min	-39,444	-63,18	-12,66	64,44	-168,673
522	522	1341	SLU-ENVE	Max	-24,441	-63,88	8,59	64,45	172,343
522	522	1342	SLU-ENVE	Max	-12,412	-63,88	3,82	63,99	176,579
522	522	1321	SLU-ENVE	Max	-9,972	-74,27	3,82	74,37	177,057
522	522	1320	SLU-ENVE	Max	-19,851	-74,27	8,59	74,77	173,405
522	522	1341	SLU-ENVE	Min	-40,021	-118,03	0,92	118,03	179,555
522	522	1342	SLU-ENVE	Min	-20,753	-118,03	-1,26	118,04	-179,387
522	522	1321	SLU-ENVE	Min	-16,273	-137,14	-1,26	137,15	-179,472
522	522	1320	SLU-ENVE	Min	-34,959	-137,14	0,92	137,14	179,617
522	522	1341	SLE-ENVE	Max	-24,901	-32,69	4,79	33,04	171,664

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovone Rocchette – Valle dell'Astico

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
522	522	1342	SLE-ENVE	Max	-12,907	-32,69	2,07	32,76	176,37
522	522	1321	SLE-ENVE	Max	-10,326	-38,45	2,07	38,51	176,913
522	522	1320	SLE-ENVE	Max	-20,228	-38,45	4,79	38,75	172,899
522	522	1341	SLE-ENVE	Min	-39,295	-63,46	0,44	63,47	179,601
522	522	1342	SLE-ENVE	Min	-20,401	-63,46	-0,83	63,47	-179,246
522	522	1321	SLE-ENVE	Min	-15,999	-74,07	-0,83	74,08	-179,354
522	522	1320	SLE-ENVE	Min	-34,293	-74,07	0,44	74,07	179,658
524	524	1175	SLU-ENVE	Max	-18,767	-72,78	10,43	73,52	171,848
524	524	1176	SLU-ENVE	Max	-8,85	-72,78	25,91	77,25	160,407
524	524	1121	SLU-ENVE	Max	-8,172	-78,82	25,91	82,97	161,806
524	524	1103	SLU-ENVE	Max	-17,055	-78,82	10,43	79,51	172,465
524	524	1175	SLU-ENVE	Min	-34,363	-143,6	-0,57	143,6	-179,771
524	524	1176	SLU-ENVE	Min	-15,215	-143,6	19,22	144,88	172,377
524	524	1121	SLU-ENVE	Min	-13,672	-164,21	19,22	165,33	173,324
524	524	1103	SLU-ENVE	Min	-32,907	-164,21	-0,57	164,21	-179,8
524	524	1175	SLE-ENVE	Max	-19,119	-37,74	5,88	38,19	171,145
524	524	1176	SLE-ENVE	Max	-9,129	-37,74	14,24	40,34	159,322
524	524	1121	SLE-ENVE	Max	-8,374	-40,96	14,24	43,37	160,828
524	524	1103	SLE-ENVE	Max	-17,281	-40,96	5,88	41,38	171,832
524	524	1175	SLE-ENVE	Min	-33,655	-77,75	-0,12	77,75	-179,914
524	524	1176	SLE-ENVE	Min	-14,786	-77,75	10,49	78,46	172,313
524	524	1121	SLE-ENVE	Min	-13,318	-89,1	10,49	89,71	173,282
524	524	1103	SLE-ENVE	Min	-32,153	-89,1	-0,12	89,1	-179,925
546	546	1384	SLU-ENVE	Max	-9,655	-21,29	-26,94	34,34	-128,325
546	546	1385	SLU-ENVE	Max	-3,774	-21,29	-25,17	32,97	-130,227
546	546	1364	SLU-ENVE	Max	-3,605	-22,68	-25,17	33,88	-132,013
546	546	1363	SLU-ENVE	Max	-8,987	-22,68	-26,94	35,21	-130,091
546	546	1384	SLU-ENVE	Min	-17,843	-36,06	-38,24	52,56	-133,322
546	546	1385	SLU-ENVE	Min	-8,475	-36,06	-41,87	55,26	-130,74
546	546	1364	SLU-ENVE	Min	-8,483	-44,7	-41,87	61,25	-136,872
546	546	1363	SLU-ENVE	Min	-17,633	-44,7	-38,24	58,82	-139,452
546	546	1384	SLE-ENVE	Max	-10,105	-11,47	-15,04	18,91	-127,329
546	546	1385	SLE-ENVE	Max	-4,067	-11,47	-14,07	18,15	-129,173
546	546	1364	SLE-ENVE	Max	-3,767	-10,46	-14,07	17,54	-126,632
546	546	1363	SLE-ENVE	Max	-9,396	-10,46	-15,04	18,32	-124,834
546	546	1384	SLE-ENVE	Min	-17,499	-17,69	-21,29	27,68	-129,726
546	546	1385	SLE-ENVE	Min	-8,364	-17,69	-23,32	29,27	-127,188
546	546	1364	SLE-ENVE	Min	-8,376	-22,49	-23,32	32,4	-133,969
546	546	1363	SLE-ENVE	Min	-17,306	-22,49	-21,29	30,97	-136,575
547	547	1363	SLU-ENVE	Max	-9,303	-22,39	-23,61	32,53	-133,479
547	547	1364	SLU-ENVE	Max	-3,721	-22,39	-21,48	31,02	-136,186
547	547	1343	SLU-ENVE	Max	-3,606	-19,77	-21,48	29,19	-132,624
547	547	1342	SLU-ENVE	Max	-8,746	-19,77	-23,61	30,79	-129,94
547	547	1363	SLU-ENVE	Min	-17,982	-45,46	-33,68	56,58	-143,469
547	547	1364	SLU-ENVE	Min	-8,635	-45,46	-37,58	58,98	-140,426
547	547	1343	SLU-ENVE	Min	-7,913	-54	-37,58	65,79	-145,17
547	547	1342	SLU-ENVE	Min	-16,655	-54	-33,68	63,65	-148,05
547	547	1363	SLE-ENVE	Max	-9,723	-10,28	-13,22	16,74	-127,869
547	547	1364	SLE-ENVE	Max	-3,888	-10,28	-12,07	15,85	-130,411
547	547	1343	SLE-ENVE	Max	-3,756	-8,52	-12,07	14,78	-125,228
547	547	1342	SLE-ENVE	Max	-9,123	-8,52	-13,22	15,73	-122,82
547	547	1363	SLE-ENVE	Min	-17,644	-22,93	-18,77	29,63	-140,687
547	547	1364	SLE-ENVE	Min	-8,525	-22,93	-20,96	31,07	-137,558

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
547	547	1343	SLE-ENVE	Min	-7,69	-27,67	-20,96	34,72	-142,853
547	547	1342	SLE-ENVE	Min	-16,351	-27,67	-18,77	33,44	-145,848
548	548	1342	SLU-ENVE	Max	-8,853	-20,46	0,65	20,47	178,179
548	548	1343	SLU-ENVE	Max	-3,93	-20,46	-2,33	20,6	-173,513
548	548	1322	SLU-ENVE	Max	-3,159	-24,76	-2,33	24,87	-174,631
548	548	1321	SLU-ENVE	Max	-7,183	-24,76	0,65	24,77	178,495
548	548	1342	SLU-ENVE	Min	-16,258	-54,37	-3,48	54,48	-176,335
548	548	1343	SLU-ENVE	Min	-8,047	-54,37	-9,48	55,19	-170,108
548	548	1322	SLU-ENVE	Min	-6,304	-59,06	-9,48	59,82	-170,881
548	548	1321	SLU-ENVE	Min	-12,494	-59,06	-3,48	59,16	-176,625
548	548	1342	SLE-ENVE	Max	-9,231	-8,94	0,25	8,94	178,408
548	548	1343	SLE-ENVE	Max	-4,09	-8,94	-1,42	9,05	-170,976
548	548	1322	SLE-ENVE	Max	-3,263	-11,29	-1,42	11,38	-172,836
548	548	1321	SLE-ENVE	Max	-7,444	-11,29	0,25	11,29	178,74
548	548	1342	SLE-ENVE	Min	-15,938	-27,89	-2,06	27,97	-175,785
548	548	1343	SLE-ENVE	Min	-7,802	-27,89	-5,47	28,42	-168,909
548	548	1322	SLE-ENVE	Min	-6,208	-30,5	-5,47	30,98	-169,835
548	548	1321	SLE-ENVE	Min	-12,26	-30,5	-2,06	30,57	-176,143
550	550	1176	SLU-ENVE	Max	-6,505	-21,27	22,48	30,94	133,416
550	550	1177	SLU-ENVE	Max	-2,563	-21,27	29,12	36,06	126,143
550	550	1101	SLU-ENVE	Max	-2,289	-20,25	29,12	35,46	124,812
550	550	1121	SLU-ENVE	Max	-5,391	-20,25	22,48	30,25	132,013
550	550	1176	SLU-ENVE	Min	-11,939	-62,32	16,88	64,57	164,849
550	550	1177	SLU-ENVE	Min	-5,464	-62,32	18,15	64,91	163,764
550	550	1101	SLU-ENVE	Min	-5,149	-69,98	18,15	72,3	165,462
550	550	1121	SLU-ENVE	Min	-10,045	-69,98	16,88	71,99	166,442
550	550	1176	SLE-ENVE	Max	-6,696	-9,41	12,4	15,57	127,197
550	550	1177	SLE-ENVE	Max	-2,599	-9,41	15,96	18,53	120,521
550	550	1101	SLE-ENVE	Max	-2,303	-8,65	15,96	18,15	118,453
550	550	1121	SLE-ENVE	Max	-5,501	-8,65	12,4	15,12	124,901
550	550	1176	SLE-ENVE	Min	-11,537	-32,4	9,5	33,76	163,667
550	550	1177	SLE-ENVE	Min	-5,229	-32,4	9,75	33,84	163,255
550	550	1101	SLE-ENVE	Min	-4,914	-36,54	9,75	37,82	165,063
550	550	1121	SLE-ENVE	Min	-9,698	-36,54	9,5	37,76	165,434
572	572	1385	SLU-ENVE	Max	0,347	8,71	-26,08	27,5	-71,537
572	572	1386	SLU-ENVE	Max	4,78	8,71	-25,85	27,27	-71,38
572	572	1365	SLU-ENVE	Max	4,815	17,17	-25,85	31,03	-56,407
572	572	1364	SLU-ENVE	Max	0,636	17,17	-26,08	31,23	-56,646
572	572	1385	SLU-ENVE	Min	-3,769	-2,58	-41,6	41,68	-93,555
572	572	1386	SLU-ENVE	Min	1,766	-2,58	-35	35,09	-94,222
572	572	1365	SLU-ENVE	Min	1,444	-11,47	-35	36,83	-108,139
572	572	1364	SLU-ENVE	Min	-3,751	-11,47	-41,6	43,15	-105,411
572	572	1385	SLE-ENVE	Max	0,369	5,98	-14,58	15,76	-67,685
572	572	1386	SLE-ENVE	Max	5,272	5,98	-14,4	15,6	-67,434
572	572	1365	SLE-ENVE	Max	5,284	10,68	-14,4	17,93	-53,443
572	572	1364	SLE-ENVE	Max	0,659	10,68	-14,58	18,07	-53,784
572	572	1385	SLE-ENVE	Min	-3,725	0,71	-23,17	23,18	-88,244
572	572	1386	SLE-ENVE	Min	1,753	0,71	-19,5	19,52	-87,914
572	572	1365	SLE-ENVE	Min	1,423	-4,24	-19,5	19,96	-102,262
572	572	1364	SLE-ENVE	Min	-3,716	-4,24	-23,17	23,55	-100,368
573	573	1364	SLU-ENVE	Max	0,509	18,74	-22,41	29,21	-50,104
573	573	1365	SLU-ENVE	Max	4,882	18,74	-22,14	29,01	-49,759
573	573	1344	SLU-ENVE	Max	4,184	27,02	-22,14	34,93	-39,336

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell'Astico

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle Degrees	V13 KN/m	V23 KN/m	VMax KN/m	VAngle Degrees
573	573	1343	SLU-ENVE	Max	0,161	27,02	-22,41	35,1	-39,68
573	573	1364	SLU-ENVE	Min	-3,859	-12,45	-37,33	39,35	-108,437
573	573	1365	SLU-ENVE	Min	1,782	-12,45	-31,25	33,63	-111,718
573	573	1344	SLU-ENVE	Min	2,08	-20,57	-31,25	37,41	-123,357
573	573	1343	SLU-ENVE	Min	-3,137	-20,57	-37,33	42,63	-118,852
573	573	1364	SLE-ENVE	Max	0,526	11,55	-12,59	17,09	-47,475
573	573	1365	SLE-ENVE	Max	5,35	11,55	-12,47	16,99	-47,185
573	573	1344	SLE-ENVE	Max	4,562	16,89	-12,47	20,99	-36,431
573	573	1343	SLE-ENVE	Max	0,163	16,89	-12,59	21,07	-36,71
573	573	1364	SLE-ENVE	Min	-3,821	-4,79	-20,83	21,37	-102,938
573	573	1365	SLE-ENVE	Min	1,746	-4,79	-17,47	18,11	-105,323
573	573	1344	SLE-ENVE	Min	2,045	-9,32	-17,47	19,8	-118,075
573	573	1343	SLE-ENVE	Min	-3,064	-9,32	-20,83	22,82	-114,095
574	574	1343	SLU-ENVE	Max	-0,25	26,71	-2,35	26,82	-5,019
574	574	1344	SLU-ENVE	Max	3,494	26,71	-5,25	27,22	-11,113
574	574	1323	SLU-ENVE	Max	2,772	31,28	-5,25	31,72	-9,522
574	574	1322	SLU-ENVE	Max	-0,352	31,28	-2,35	31,37	-4,289
574	574	1343	SLU-ENVE	Min	-2,865	-20,12	-10,44	22,67	-152,575
574	574	1344	SLU-ENVE	Min	3,044	-20,12	-10,27	22,59	-152,954
574	574	1323	SLU-ENVE	Min	2,599	-20,59	-10,27	23,01	-153,482
574	574	1322	SLU-ENVE	Min	-2,173	-20,59	-10,44	23,08	-153,108
574	574	1343	SLE-ENVE	Max	-0,262	16,66	-1,42	16,72	-4,882
574	574	1344	SLE-ENVE	Max	3,803	16,66	-3,18	16,96	-10,815
574	574	1323	SLE-ENVE	Max	2,992	18,56	-3,18	18,83	-9,728
574	574	1322	SLE-ENVE	Max	-0,359	18,56	-1,42	18,61	-4,383
574	574	1343	SLE-ENVE	Min	-2,781	-9,09	-5,99	10,88	-146,595
574	574	1344	SLE-ENVE	Min	2,998	-9,09	-5,98	10,88	-146,639
574	574	1323	SLE-ENVE	Min	2,577	-9,35	-5,98	11,1	-147,38
574	574	1322	SLE-ENVE	Min	-2,141	-9,35	-5,99	11,1	-147,337
576	576	1177	SLU-ENVE	Max	-0,142	34,83	29,07	45,36	39,844
576	576	1178	SLU-ENVE	Max	2,957	34,83	23,74	42,15	34,279
576	576	1119	SLU-ENVE	Max	2,634	42,88	23,74	49,01	28,974
576	576	1101	SLU-ENVE	Max	0,217	42,88	29,07	51,8	34,133
576	576	1177	SLU-ENVE	Min	-2,271	-25,15	17,11	30,42	145,767
576	576	1178	SLU-ENVE	Min	1,875	-25,15	14,11	28,84	150,711
576	576	1119	SLU-ENVE	Min	1,14	-31,2	14,11	34,24	155,671
576	576	1101	SLU-ENVE	Min	-1,98	-31,2	17,11	35,59	151,257
576	576	1177	SLE-ENVE	Max	-0,096	21,22	15,98	26,57	36,975
576	576	1178	SLE-ENVE	Max	3,255	21,22	12,71	24,74	30,906
576	576	1119	SLE-ENVE	Max	2,914	25,79	12,71	28,75	26,226
576	576	1101	SLE-ENVE	Max	0,289	25,79	15,98	30,34	31,78
576	576	1177	SLE-ENVE	Min	-2,086	-11,97	9,22	15,11	142,408
576	576	1178	SLE-ENVE	Min	1,978	-11,97	7,87	14,33	146,675
576	576	1119	SLE-ENVE	Min	1,302	-15,24	7,87	17,15	152,677
576	576	1101	SLE-ENVE	Min	-1,779	-15,24	9,22	17,81	148,828
598	598	1386	SLU-ENVE	Max	8,788	35,56	-22,41	42,03	-32,223
598	598	1387	SLU-ENVE	Max	13,959	35,56	-15,6	38,83	-23,688
598	598	1366	SLU-ENVE	Max	13,469	51,02	-15,6	53,36	-17,001
598	598	1365	SLU-ENVE	Max	8,912	51,02	-22,41	55,73	-23,714
598	598	1386	SLU-ENVE	Min	8,412	26,73	-32,74	42,26	-50,775
598	598	1387	SLU-ENVE	Min	20,853	26,73	-34,4	43,56	-52,156
598	598	1366	SLU-ENVE	Min	21,484	23,08	-34,4	41,42	-56,145
598	598	1365	SLU-ENVE	Min	8,384	23,08	-32,74	40,05	-54,822

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell’Astico

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
598	598	1386	SLE-ENVE	Max	9,656	21,43	-12,46	24,79	-30,18
598	598	1387	SLE-ENVE	Max	15,853	21,43	-8,67	23,12	-22,033
598	598	1366	SLE-ENVE	Max	15,158	30,01	-8,67	31,24	-16,118
598	598	1365	SLE-ENVE	Max	9,743	30,01	-12,46	32,49	-22,551
598	598	1386	SLE-ENVE	Min	8,428	17,04	-18,29	25	-47,017
598	598	1387	SLE-ENVE	Min	21,794	17,04	-19,19	25,66	-48,386
598	598	1366	SLE-ENVE	Min	22,425	15	-19,19	24,35	-51,981
598	598	1365	SLE-ENVE	Min	8,383	15	-18,29	23,65	-50,639
599	599	1365	SLU-ENVE	Max	8,975	53,18	-19,95	56,8	-20,559
599	599	1366	SLU-ENVE	Max	13,757	53,18	-13,58	54,89	-14,329
599	599	1345	SLU-ENVE	Max	12,423	68,36	-13,58	69,7	-11,238
599	599	1344	SLU-ENVE	Max	8,142	68,36	-19,95	71,21	-16,265
599	599	1365	SLU-ENVE	Min	8,691	22,82	-28,74	36,7	-51,552
599	599	1366	SLU-ENVE	Min	22,131	22,82	-30,71	38,26	-53,384
599	599	1345	SLU-ENVE	Min	21,67	20,1	-30,71	36,71	-56,793
599	599	1344	SLU-ENVE	Min	8,549	20,1	-28,74	35,08	-55,032
599	599	1365	SLE-ENVE	Max	9,804	31,21	-11,1	33,13	-19,582
599	599	1366	SLE-ENVE	Max	15,452	31,21	-7,57	32,12	-13,636
599	599	1345	SLE-ENVE	Max	13,855	39,62	-7,57	40,34	-10,819
599	599	1344	SLE-ENVE	Max	8,851	39,62	-11,1	41,15	-15,655
599	599	1365	SLE-ENVE	Min	8,674	14,87	-16,14	21,95	-47,348
599	599	1366	SLE-ENVE	Min	23,047	14,87	-17,22	22,75	-49,183
599	599	1345	SLE-ENVE	Min	22,589	13,32	-17,22	21,77	-52,273
599	599	1344	SLE-ENVE	Min	8,51	13,32	-16,14	20,93	-50,471
600	600	1344	SLU-ENVE	Max	7,475	68,5	-4,72	68,66	-3,946
600	600	1345	SLU-ENVE	Max	12,098	68,5	1,16	68,51	0,972
600	600	1324	SLU-ENVE	Max	9,699	75,89	1,16	75,9	0,877
600	600	1323	SLU-ENVE	Max	6,066	75,89	-4,72	76,04	-3,562
600	600	1344	SLU-ENVE	Min	9,399	20,92	-9,19	22,85	-23,712
600	600	1345	SLU-ENVE	Min	21,198	20,92	-8,38	22,54	-21,835
600	600	1324	SLU-ENVE	Min	17,831	25,64	-8,38	26,98	-18,106
600	600	1323	SLU-ENVE	Min	7,803	25,64	-9,19	27,24	-19,718
600	600	1344	SLE-ENVE	Max	8,125	39,7	-2,66	39,79	-3,834
600	600	1345	SLE-ENVE	Max	13,48	39,7	0,35	39,7	0,5
600	600	1324	SLE-ENVE	Max	10,639	43,77	0,35	43,78	0,454
600	600	1323	SLE-ENVE	Max	6,519	43,77	-2,66	43,86	-3,478
600	600	1344	SLE-ENVE	Min	9,351	13,78	-5,38	14,79	-21,347
600	600	1345	SLE-ENVE	Min	22,105	13,78	-4,87	14,61	-19,472
600	600	1324	SLE-ENVE	Min	18,56	16,31	-4,87	17,02	-16,633
600	600	1323	SLE-ENVE	Min	7,74	16,31	-5,38	17,17	-18,274
602	602	1178	SLU-ENVE	Max	5,796	82,58	24,87	86,24	16,76
602	602	1179	SLU-ENVE	Max	9,275	82,58	22,11	85,48	14,989
602	602	1117	SLU-ENVE	Max	8,133	95,08	22,11	97,61	13,091
602	602	1119	SLU-ENVE	Max	5,501	95,08	24,87	98,28	14,658
602	602	1178	SLU-ENVE	Min	6,384	22,52	17,41	28,46	37,706
602	602	1179	SLU-ENVE	Min	16,341	22,52	5,62	23,21	14,025
602	602	1117	SLU-ENVE	Min	15,168	21,59	5,62	22,31	14,603
602	602	1119	SLU-ENVE	Min	5,568	21,59	17,41	27,73	38,88
602	602	1178	SLE-ENVE	Max	6,252	47,39	13,5	49,28	15,902
602	602	1179	SLE-ENVE	Max	10,136	47,39	11,62	48,79	13,771
602	602	1117	SLE-ENVE	Max	8,817	54,43	11,62	55,66	12,046
602	602	1119	SLE-ENVE	Max	5,908	54,43	13,5	56,08	13,931
602	602	1178	SLE-ENVE	Min	6,406	14,36	9,59	17,27	33,733

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
602	602	1179	SLE-ENVE	Min	17,114	14,36	2,98	14,67	11,741
602	602	1117	SLE-ENVE	Min	15,92	13,93	2,98	14,24	12,093
602	602	1119	SLE-ENVE	Min	5,634	13,93	9,59	16,91	34,543
624	624	1387	SLU-ENVE	Max	15,96	63,62	-12,89	64,92	-11,451
624	624	1388	SLU-ENVE	Max	28,142	63,62	-10,07	64,42	-8,996
624	624	1367	SLU-ENVE	Max	28,038	83,73	-10,07	84,34	-6,86
624	624	1366	SLU-ENVE	Max	15,47	83,73	-12,89	84,72	-8,75
624	624	1387	SLU-ENVE	Min	23,119	45,92	-31,37	55,61	-34,337
624	624	1388	SLU-ENVE	Min	41,952	45,92	-24,79	52,18	-28,362
624	624	1367	SLU-ENVE	Min	42,959	49,53	-24,79	55,39	-26,585
624	624	1366	SLU-ENVE	Min	24,096	49,53	-31,37	58,63	-32,343
624	624	1387	SLE-ENVE	Max	17,998	36,85	-7,17	37,54	-11,002
624	624	1388	SLE-ENVE	Max	33,376	36,85	-5,6	37,28	-8,637
624	624	1367	SLE-ENVE	Max	32,869	48,04	-5,6	48,36	-6,647
624	624	1366	SLE-ENVE	Max	17,299	48,04	-7,17	48,57	-8,484
624	624	1387	SLE-ENVE	Min	24,074	28,23	-17,5	33,22	-31,799
624	624	1388	SLE-ENVE	Min	45,612	28,23	-13,82	31,43	-26,077
624	624	1367	SLE-ENVE	Min	46,462	30,25	-13,82	33,26	-24,55
624	624	1366	SLE-ENVE	Min	25,058	30,25	-17,5	34,95	-30,057
625	625	1366	SLU-ENVE	Max	15,724	86,1	-10,61	86,75	-7,026
625	625	1367	SLU-ENVE	Max	28,242	86,1	-8,22	86,49	-5,455
625	625	1346	SLU-ENVE	Max	26,98	106,35	-8,22	106,67	-4,421
625	625	1345	SLU-ENVE	Max	14,557	106,35	-10,61	106,88	-5,697
625	625	1366	SLU-ENVE	Min	24,49	50,4	-27,45	57,39	-28,578
625	625	1367	SLU-ENVE	Min	42,99	50,4	-21,2	54,68	-22,817
625	625	1346	SLU-ENVE	Min	43,142	55,18	-21,2	59,11	-21,02
625	625	1345	SLU-ENVE	Min	24,065	55,18	-27,45	61,63	-26,451
625	625	1366	SLE-ENVE	Max	17,547	49,37	-5,93	49,73	-6,844
625	625	1367	SLE-ENVE	Max	32,999	49,37	-4,57	49,59	-5,288
625	625	1346	SLE-ENVE	Max	31,508	60,6	-4,57	60,77	-4,313
625	625	1345	SLE-ENVE	Max	16,145	60,6	-5,93	60,89	-5,585
625	625	1366	SLE-ENVE	Min	25,447	30,74	-15,42	34,39	-26,648
625	625	1367	SLE-ENVE	Min	46,39	30,74	-11,87	32,95	-21,119
625	625	1346	SLE-ENVE	Min	46,47	33,38	-11,87	35,43	-19,575
625	625	1345	SLE-ENVE	Min	24,981	33,38	-15,42	36,78	-24,797
626	626	1345	SLU-ENVE	Max	14,566	106,41	4,49	106,51	2,418
626	626	1346	SLU-ENVE	Max	26,431	106,41	6,69	106,62	3,599
626	626	1325	SLU-ENVE	Max	22,259	118,78	6,69	118,96	3,225
626	626	1324	SLU-ENVE	Max	11,958	118,78	4,49	118,86	2,166
626	626	1345	SLU-ENVE	Min	23,981	55,92	-4,12	56,07	-4,217
626	626	1346	SLU-ENVE	Min	43,215	55,92	1,23	55,93	1,257
626	626	1325	SLU-ENVE	Min	40,222	66,09	1,23	66,1	1,063
626	626	1324	SLU-ENVE	Min	20,728	66,09	-4,12	66,22	-3,57
626	626	1345	SLE-ENVE	Max	16,134	60,67	2,16	60,71	2,041
626	626	1346	SLE-ENVE	Max	31,019	60,67	3,44	60,77	3,248
626	626	1325	SLE-ENVE	Max	25,878	67,42	3,44	67,5	2,924
626	626	1324	SLE-ENVE	Max	13,054	67,42	2,16	67,45	1,837
626	626	1345	SLE-ENVE	Min	24,888	33,8	-2,53	33,89	-4,278
626	626	1346	SLE-ENVE	Min	46,51	33,8	0,53	33,8	0,9
626	626	1325	SLE-ENVE	Min	43,549	39,41	0,53	39,41	0,772
626	626	1324	SLE-ENVE	Min	21,48	39,41	-2,53	39,49	-3,671
628	628	1179	SLU-ENVE	Max	10,975	125,73	25,8	128,35	11,596
628	628	1304	SLU-ENVE	Max	22,041	125,73	10,39	126,16	4,725



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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
628	628	1115	SLU-ENVE	Max	20,111	145,19	10,39	145,56	4,094
628	628	1117	SLU-ENVE	Max	9,929	145,19	25,8	147,46	10,076
628	628	1179	SLU-ENVE	Min	18,552	64,43	8,97	65,05	7,929
628	628	1304	SLU-ENVE	Min	39,146	64,43	0,31	64,43	0,272
628	628	1115	SLU-ENVE	Min	38,095	71,82	0,31	71,82	0,244
628	628	1117	SLU-ENVE	Min	17,118	71,82	8,97	72,37	7,122
628	628	1179	SLE-ENVE	Max	11,908	71	13,73	72,31	10,943
628	628	1304	SLE-ENVE	Max	25,294	71	4,68	71,15	3,775
628	628	1115	SLE-ENVE	Max	22,955	82,02	4,68	82,16	3,269
628	628	1117	SLE-ENVE	Max	10,605	82,02	13,73	83,16	9,501
628	628	1179	SLE-ENVE	Min	19,312	38,26	4,91	38,57	7,319
628	628	1304	SLE-ENVE	Min	42,668	38,26	-0,3	38,26	-0,456
628	628	1115	SLE-ENVE	Min	41,784	42,61	-0,3	42,61	-0,409
628	628	1117	SLE-ENVE	Min	17,853	42,61	4,91	42,89	6,579
650	650	1388	SLU-ENVE	Max	29,228	87,02	-7,04	87,31	-4,623
650	650	1389	SLU-ENVE	Max	54,015	87,02	2,08	87,05	1,369
650	650	1368	SLU-ENVE	Max	57,057	117,34	2,08	117,36	1,015
650	650	1367	SLU-ENVE	Max	29,179	117,34	-7,04	117,55	-3,432
650	650	1388	SLU-ENVE	Min	42,061	61,01	-18,55	63,76	-16,914
650	650	1389	SLU-ENVE	Min	65,581	61,01	-3,77	61,12	-3,538
650	650	1368	SLU-ENVE	Min	67,01	73,16	-3,77	73,26	-2,951
650	650	1367	SLU-ENVE	Min	43,107	73,16	-18,55	75,48	-14,228
650	650	1388	SLE-ENVE	Max	34,218	50,1	-3,91	50,25	-4,458
650	650	1389	SLE-ENVE	Max	59,859	50,1	1,15	50,11	1,316
650	650	1368	SLE-ENVE	Max	62,084	66,79	1,15	66,8	0,987
650	650	1367	SLE-ENVE	Max	33,794	66,79	-3,91	66,9	-3,347
650	650	1388	SLE-ENVE	Min	45,539	37,4	-10,34	38,81	-15,457
650	650	1389	SLE-ENVE	Min	68,706	37,4	-2,1	37,46	-3,213
650	650	1368	SLE-ENVE	Min	70,165	44,17	-2,1	44,22	-2,721
650	650	1367	SLE-ENVE	Min	46,429	44,17	-10,34	45,36	-13,179
651	651	1367	SLU-ENVE	Max	29,355	120,16	-4,62	120,25	-2,201
651	651	1368	SLU-ENVE	Max	57,003	120,16	4,11	120,23	1,96
651	651	1347	SLU-ENVE	Max	60,696	152,36	4,11	152,41	1,546
651	651	1346	SLU-ENVE	Max	28,028	152,36	-4,62	152,43	-1,736
651	651	1367	SLU-ENVE	Min	43,131	74,31	-14,4	75,7	-10,965
651	651	1368	SLU-ENVE	Min	66,801	74,31	-1,8	74,34	-1,384
651	651	1347	SLU-ENVE	Min	69,241	88,61	-1,8	88,62	-1,161
651	651	1346	SLU-ENVE	Min	43,219	88,61	-14,4	89,77	-9,23
651	651	1367	SLE-ENVE	Max	33,902	68,36	-2,56	68,41	-2,147
651	651	1368	SLE-ENVE	Max	62,011	68,36	2,27	68,4	1,902
651	651	1347	SLE-ENVE	Max	65,093	86,35	2,27	86,38	1,506
651	651	1346	SLE-ENVE	Max	32,384	86,35	-2,56	86,39	-1,7
651	651	1367	SLE-ENVE	Min	46,361	44,8	-8,09	45,53	-10,236
651	651	1368	SLE-ENVE	Min	70,008	44,8	-1,01	44,81	-1,296
651	651	1347	SLE-ENVE	Min	72,806	52,82	-1,01	52,83	-1,099
651	651	1346	SLE-ENVE	Min	46,394	52,82	-8,09	53,43	-8,708
652	652	1346	SLU-ENVE	Max	27,513	152,85	13,72	153,47	5,129
652	652	1347	SLU-ENVE	Max	61,104	152,85	13,74	153,47	5,137
652	652	1326	SLU-ENVE	Max	62,043	172,73	13,74	173,28	4,549
652	652	1325	SLU-ENVE	Max	23,432	172,73	13,72	173,28	4,541
652	652	1346	SLU-ENVE	Min	43,273	89,61	6,08	89,81	3,882
652	652	1347	SLU-ENVE	Min	69,44	89,61	7,45	89,92	4,754
652	652	1326	SLU-ENVE	Min	71,082	102,98	7,45	103,25	4,139

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
652	652	1325	SLU-ENVE	Min	40,529	102,98	6,08	103,16	3,379
652	652	1346	SLE-ENVE	Max	31,938	86,71	7,3	87,02	4,813
652	652	1347	SLE-ENVE	Max	65,592	86,71	7,58	87,04	4,998
652	652	1326	SLE-ENVE	Max	66,422	97,64	7,58	97,93	4,441
652	652	1325	SLE-ENVE	Max	27,054	97,64	7,3	97,91	4,276
652	652	1346	SLE-ENVE	Min	46,446	53,41	3,28	53,51	3,514
652	652	1347	SLE-ENVE	Min	73,002	53,41	4,07	53,57	4,362
652	652	1326	SLE-ENVE	Min	74,418	60,76	4,07	60,89	3,836
652	652	1325	SLE-ENVE	Min	43,79	60,76	3,28	60,85	3,09
654	654	1304	SLU-ENVE	Max	23,418	186,21	17,78	187,06	5,454
654	654	1305	SLU-ENVE	Max	61,795	186,21	-20,83	187,37	-6,383
654	654	1099	SLU-ENVE	Max	66,784	221,01	-20,83	221,99	-5,384
654	654	1115	SLU-ENVE	Max	20,929	221,01	17,78	221,72	4,599
654	654	1304	SLU-ENVE	Min	40,078	106,09	4,67	106,19	2,522
654	654	1305	SLU-ENVE	Min	71,866	106,09	-27,83	109,68	-14,701
654	654	1099	SLU-ENVE	Min	76,665	125,07	-27,83	128,13	-12,546
654	654	1115	SLU-ENVE	Min	37,595	125,07	4,67	125,16	2,139
654	654	1304	SLE-ENVE	Max	26,688	104,5	8,77	104,86	4,799
654	654	1305	SLE-ENVE	Max	66,536	104,5	-13,03	105,31	-7,108
654	654	1099	SLE-ENVE	Max	70,058	123,57	-13,03	124,26	-6,02
654	654	1115	SLE-ENVE	Max	23,532	123,57	8,77	123,88	4,061
654	654	1304	SLE-ENVE	Min	43,526	62,09	2,18	62,12	2,015
654	654	1305	SLE-ENVE	Min	74,918	62,09	-17,65	64,55	-15,868
654	654	1099	SLE-ENVE	Min	78,637	72,79	-17,65	74,9	-13,627
654	654	1115	SLE-ENVE	Min	41,088	72,79	2,18	72,83	1,718
676	676	1389	SLU-ENVE	Max	54,622	96,64	10,22	97,18	6,034
676	676	1028	SLU-ENVE	Max	67,733	96,64	17,94	98,29	10,515
676	676	1027	SLU-ENVE	Max	71,451	150,54	17,94	151,61	6,795
676	676	1368	SLU-ENVE	Max	57,778	150,54	10,22	150,89	3,882
676	676	1389	SLU-ENVE	Min	66,621	66,31	5,07	66,5	4,376
676	676	1028	SLU-ENVE	Min	75,318	66,31	12,45	67,47	10,632
676	676	1027	SLU-ENVE	Min	78,031	105	12,45	105,74	6,761
676	676	1368	SLU-ENVE	Min	68,056	105	5,07	105,12	2,766
676	676	1389	SLE-ENVE	Max	60,695	55,37	5,68	55,66	5,861
676	676	1028	SLE-ENVE	Max	71,494	55,37	10,02	56,27	10,256
676	676	1027	SLE-ENVE	Max	73,365	85,43	10,02	86,01	6,689
676	676	1368	SLE-ENVE	Max	62,99	85,43	5,68	85,62	3,807
676	676	1389	SLE-ENVE	Min	69,737	40,93	2,83	41,02	3,949
676	676	1028	SLE-ENVE	Min	77,354	40,93	6,95	41,51	9,635
676	676	1027	SLE-ENVE	Min	79,34	62,48	6,95	62,86	6,346
676	676	1368	SLE-ENVE	Min	71,192	62,48	2,83	62,54	2,589
677	677	1368	SLU-ENVE	Max	57,826	153,19	12,65	153,71	4,72
677	677	1027	SLU-ENVE	Max	71,569	153,19	13,72	153,8	5,117
677	677	1026	SLU-ENVE	Max	74,562	196,51	13,72	196,98	3,993
677	677	1347	SLU-ENVE	Max	61,801	196,51	12,65	196,91	3,683
677	677	1368	SLU-ENVE	Min	68,002	106,35	6,17	106,52	3,318
677	677	1027	SLU-ENVE	Min	78,108	106,35	9,03	106,73	4,855
677	677	1026	SLU-ENVE	Min	80,592	137,28	9,03	137,58	3,765
677	677	1347	SLU-ENVE	Min	70,693	137,28	6,17	137,42	2,571
677	677	1368	SLE-ENVE	Max	63,051	86,89	7,04	87,18	4,629
677	677	1027	SLE-ENVE	Max	73,489	86,89	7,52	87,22	4,944
677	677	1026	SLE-ENVE	Max	76,023	110,86	7,52	111,11	3,879
677	677	1347	SLE-ENVE	Max	66,299	110,86	7,04	111,08	3,631

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
677	677	1368	SLE-ENVE	Min	71,198	63,21	3,45	63,3	3,125
677	677	1027	SLE-ENVE	Min	79,415	63,21	4,91	63,4	4,446
677	677	1026	SLE-ENVE	Min	81,429	80,23	4,91	80,38	3,505
677	677	1347	SLE-ENVE	Min	74,145	80,23	3,45	80,31	2,463
678	678	1347	SLU-ENVE	Max	61,944	197,65	20,65	198,72	5,966
678	678	1026	SLU-ENVE	Max	74,851	197,65	36,44	200,98	10,445
678	678	1025	SLU-ENVE	Max	76,584	249,93	36,44	252,57	8,295
678	678	1326	SLU-ENVE	Max	63,349	249,93	20,65	250,78	4,724
678	678	1347	SLU-ENVE	Min	70,56	138,58	14,92	139,38	6,146
678	678	1026	SLU-ENVE	Min	80,668	138,58	27,44	141,27	11,199
678	678	1025	SLU-ENVE	Min	82,03	172,88	27,44	175,04	9,018
678	678	1326	SLU-ENVE	Min	72,843	172,88	14,92	173,52	4,934
678	678	1347	SLE-ENVE	Max	66,467	111,59	11,45	112,18	5,858
678	678	1026	SLE-ENVE	Max	76,269	111,59	20,63	113,48	10,475
678	678	1025	SLE-ENVE	Max	77,865	141,97	20,63	143,47	8,269
678	678	1326	SLE-ENVE	Max	67,825	141,97	11,45	142,44	4,611
678	678	1347	SLE-ENVE	Min	73,986	81,02	8,34	81,45	5,877
678	678	1026	SLE-ENVE	Min	81,45	81,02	15,91	82,57	11,111
678	678	1025	SLE-ENVE	Min	82,792	101,22	15,91	102,46	8,933
678	678	1326	SLE-ENVE	Min	76,021	101,22	8,34	101,57	4,71
680	680	1305	SLU-ENVE	Max	62,812	328,46	-17,66	328,94	-3,077
680	680	1024	SLU-ENVE	Max	76,197	328,46	-71,69	336,2	-12,312
680	680	904	SLU-ENVE	Max	78,048	261,64	-71,69	271,28	-15,323
680	680	1099	SLU-ENVE	Max	68,714	261,64	-17,66	262,23	-3,861
680	680	1305	SLU-ENVE	Min	73,314	242,01	-23,27	243,13	-5,493
680	680	1024	SLU-ENVE	Min	82,298	242,01	-85,94	256,82	-19,551
680	680	904	SLU-ENVE	Min	84,116	160,15	-85,94	181,75	-28,22
680	680	1099	SLU-ENVE	Min	78,874	160,15	-23,27	161,83	-8,269
680	680	1305	SLE-ENVE	Max	67,711	188,85	-12,89	189,29	-3,905
680	680	1024	SLE-ENVE	Max	77,606	188,85	-43,8	193,86	-13,056
680	680	904	SLE-ENVE	Max	79,325	139,01	-43,8	145,74	-17,488
680	680	1099	SLE-ENVE	Max	72,294	139,01	-12,89	139,6	-5,298
680	680	1305	SLE-ENVE	Min	76,293	141,77	-16,05	142,67	-6,458
680	680	1024	SLE-ENVE	Min	82,991	141,77	-51,62	150,87	-20,009
680	680	904	SLE-ENVE	Min	84,66	88,73	-51,62	102,66	-30,191
680	680	1099	SLE-ENVE	Min	80,778	88,73	-16,05	90,17	-10,251
702	702	1028	SLU-ENVE	Max	70,438	-24,08	21,01	31,96	138,902
702	702	1078	SLU-ENVE	Max	72,069	-24,08	19,23	30,82	141,396
702	702	1077	SLU-ENVE	Max	74,301	-43,16	19,23	47,25	155,987
702	702	1027	SLU-ENVE	Max	74,309	-43,16	21,01	48	154,046
702	702	1028	SLU-ENVE	Min	77,686	-33,5	14,17	36,38	157,076
702	702	1078	SLU-ENVE	Min	78,607	-33,5	11,89	35,55	160,453
702	702	1077	SLU-ENVE	Min	80,275	-60,97	11,89	62,12	168,96
702	702	1027	SLU-ENVE	Min	80,284	-60,97	14,17	62,59	166,916
702	702	1028	SLE-ENVE	Max	74,046	-19,78	11,73	23	149,345
702	702	1078	SLE-ENVE	Max	74,773	-19,78	10,71	22,49	151,578
702	702	1077	SLE-ENVE	Max	76,061	-30,49	10,71	32,31	160,651
702	702	1027	SLE-ENVE	Max	76,063	-30,49	11,73	32,67	158,965
702	702	1028	SLE-ENVE	Min	79,476	-23	7,9	24,32	161,035
702	702	1078	SLE-ENVE	Min	80,184	-23	6,61	23,93	163,96
702	702	1077	SLE-ENVE	Min	81,688	-38,06	6,61	38,63	170,142
702	702	1027	SLE-ENVE	Min	81,384	-38,06	7,9	38,87	168,266
703	703	1027	SLU-ENVE	Max	74,115	-41,84	16,69	45,05	158,26

AUTOSTRADA VALDASTICO A31 NORD  
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Table: Element Forces - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
703	703	1077	SLU-ENVE	Max	74,175	-41,84	20,02	46,39	154,433
703	703	1076	SLU-ENVE	Max	76,772	-48,38	20,02	52,35	157,519
703	703	1026	SLU-ENVE	Max	77,056	-48,38	16,69	51,17	160,969
703	703	1027	SLU-ENVE	Min	80,079	-59,27	10,65	60,22	169,814
703	703	1077	SLU-ENVE	Min	80,146	-59,27	12,73	60,62	167,882
703	703	1076	SLU-ENVE	Min	82,341	-78,07	12,73	79,1	170,742
703	703	1026	SLU-ENVE	Min	82,442	-78,07	10,65	78,79	172,233
703	703	1027	SLE-ENVE	Max	75,879	-29,73	9,16	31,11	162,874
703	703	1077	SLE-ENVE	Max	75,939	-29,73	11,16	31,75	159,428
703	703	1076	SLE-ENVE	Max	78,157	-33,24	11,16	35,06	161,445
703	703	1026	SLE-ENVE	Max	78,368	-33,24	9,16	34,48	164,593
703	703	1027	SLE-ENVE	Min	81,189	-37,1	5,81	37,55	171,101
703	703	1077	SLE-ENVE	Min	81,567	-37,1	7,1	37,77	169,169
703	703	1076	SLE-ENVE	Min	83,392	-47,52	7,1	48,05	171,505
703	703	1026	SLE-ENVE	Min	83,143	-47,52	5,81	47,87	173,031
704	704	1026	SLU-ENVE	Max	78,231	-50,63	37,67	63,11	143,349
704	704	1076	SLU-ENVE	Max	77,717	-50,63	15,98	53,1	162,483
704	704	1075	SLU-ENVE	Max	77,609	-90,07	15,98	91,47	169,938
704	704	1025	SLU-ENVE	Max	77,929	-90,07	37,67	97,63	157,301
704	704	1026	SLU-ENVE	Min	83,243	-81,37	28,27	86,14	160,845
704	704	1076	SLU-ENVE	Min	83,058	-81,37	11	82,11	172,301
704	704	1075	SLU-ENVE	Min	82,945	-119,2	11	119,71	174,728
704	704	1025	SLU-ENVE	Min	82,844	-119,2	28,27	122,51	166,66
704	704	1026	SLE-ENVE	Max	79,503	-34,59	21,3	40,62	148,372
704	704	1076	SLE-ENVE	Max	79,09	-34,59	8,82	35,7	165,698
704	704	1075	SLE-ENVE	Max	78,769	-58,28	8,82	58,94	171,396
704	704	1025	SLE-ENVE	Max	79,079	-58,28	21,3	62,05	159,92
704	704	1026	SLE-ENVE	Min	83,897	-49,4	16,36	52,04	161,681
704	704	1076	SLE-ENVE	Min	84,063	-49,4	6,1	49,78	172,966
704	704	1075	SLE-ENVE	Min	83,746	-71,38	6,1	71,64	175,119
704	704	1025	SLE-ENVE	Min	83,509	-71,38	16,36	73,23	167,095
706	706	1024	SLU-ENVE	Max	76,073	-143,51	-64,44	157,31	-155,818
706	706	1074	SLU-ENVE	Max	75,933	-143,51	14,86	144,28	174,087
706	706	910	SLU-ENVE	Max	80,692	47,61	14,86	49,88	17,338
706	706	904	SLU-ENVE	Max	79,393	47,61	-64,44	80,12	-53,541
706	706	1024	SLU-ENVE	Min	81,901	-188,05	-76,01	202,83	-157,992
706	706	1074	SLU-ENVE	Min	81,995	-188,05	6,29	188,16	178,083
706	706	910	SLU-ENVE	Min	85,171	10,53	6,29	12,26	30,875
706	706	904	SLU-ENVE	Min	84,299	10,53	-76,01	76,73	-82,115
706	706	1024	SLE-ENVE	Max	77,176	-90,95	-39,7	99,24	-156,417
706	706	1074	SLE-ENVE	Max	76,774	-90,95	6,73	91,2	175,766
706	706	910	SLE-ENVE	Max	81,25	29,1	6,73	29,87	13,029
706	706	904	SLE-ENVE	Max	80,193	29,1	-39,7	49,23	-53,762
706	706	1024	SLE-ENVE	Min	82,453	-111,74	-46,07	120,87	-157,592
706	706	1074	SLE-ENVE	Min	82,548	-111,74	2,73	111,77	178,603
706	706	910	SLE-ENVE	Min	85,446	8,01	2,73	8,46	18,782
706	706	904	SLE-ENVE	Min	84,656	8,01	-46,07	46,77	-80,134
905	905	1003	SLU-ENVE	Max	-77,956	-93,54	33,48	99,35	160,303
905	905	2061	SLU-ENVE	Max	-65,64	-93,54	23,25	96,38	166,04
905	905	2062	SLU-ENVE	Max	-68,629	-122,79	23,25	124,98	169,278
905	905	1002	SLU-ENVE	Max	-79,669	-122,79	33,48	127,28	164,747
905	905	1003	SLU-ENVE	Min	-72,973	-102,76	15,59	103,94	171,371
905	905	2061	SLU-ENVE	Min	-66,7	-102,76	8,66	103,13	175,182

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
905	905	2062	SLU-ENVE	Min	-70,482	-175,01	8,66	175,23	177,166
905	905	1002	SLU-ENVE	Min	-76,657	-175,01	15,59	175,7	174,908
905	905	1003	SLE-ENVE	Max	-77,204	-50,22	18,6	53,56	159,682
905	905	2061	SLE-ENVE	Max	-64,481	-50,22	12,92	51,86	165,576
905	905	2062	SLE-ENVE	Max	-67,716	-66,5	12,92	67,74	169,007
905	905	1002	SLE-ENVE	Max	-79,194	-66,5	18,6	69,05	164,376
905	905	1003	SLE-ENVE	Min	-72,573	-55,61	8,67	56,28	171,14
905	905	2061	SLE-ENVE	Min	-66,162	-55,61	4,8	55,82	175,065
905	905	2062	SLE-ENVE	Min	-70,11	-96,43	4,8	96,55	177,149
905	905	1002	SLE-ENVE	Min	-76,426	-96,43	8,67	96,82	174,863
906	906	2061	SLU-ENVE	Max	-63,14	-93,63	13,87	94,65	171,576
906	906	1382	SLU-ENVE	Max	-48,568	-93,63	5,47	93,78	176,657
906	906	1361	SLU-ENVE	Max	-50,107	-118,24	5,47	118,37	177,352
906	906	2062	SLU-ENVE	Max	-65,854	-118,24	13,87	119,05	173,312
906	906	2061	SLU-ENVE	Min	-66,03	-103,26	1,61	103,28	179,106
906	906	1382	SLU-ENVE	Min	-57,954	-103,26	-6,29	103,45	-176,512
906	906	1361	SLU-ENVE	Min	-61,488	-156,09	-6,29	156,22	-177,691
906	906	2062	SLU-ENVE	Min	-69,764	-156,09	1,61	156,1	179,409
906	906	2061	SLE-ENVE	Max	-62,031	-49,82	7,7	50,41	171,21
906	906	1382	SLE-ENVE	Max	-47,946	-49,82	3,02	49,91	176,528
906	906	1361	SLE-ENVE	Max	-49,455	-63,49	3,02	63,56	177,274
906	906	2062	SLE-ENVE	Max	-64,951	-63,49	7,7	63,96	173,082
906	906	2061	SLE-ENVE	Min	-65,493	-56,38	0,88	56,39	179,101
906	906	1382	SLE-ENVE	Min	-57,275	-56,38	-3,52	56,49	-176,428
906	906	1361	SLE-ENVE	Min	-60,939	-86,06	-3,52	86,14	-177,658
906	906	2062	SLE-ENVE	Min	-69,389	-86,06	0,88	86,07	179,411
907	907	1002	SLU-ENVE	Max	-80,002	-124,3	25,61	126,91	168,356
907	907	2062	SLU-ENVE	Max	-68,949	-124,3	22,87	126,39	169,576
907	907	2063	SLU-ENVE	Max	-72,828	-144,37	22,87	146,17	171
907	907	1001	SLU-ENVE	Max	-82,056	-144,37	25,61	146,62	169,939
907	907	1002	SLU-ENVE	Min	-76,675	-177,08	12,16	177,5	176,072
907	907	2062	SLU-ENVE	Min	-70,501	-177,08	8,67	177,29	177,196
907	907	2063	SLU-ENVE	Min	-74,47	-230,04	8,67	230,21	177,841
907	907	1001	SLU-ENVE	Min	-79,804	-230,04	12,16	230,36	176,974
907	907	1002	SLE-ENVE	Max	-79,533	-67,35	14,26	68,84	168,048
907	907	2062	SLE-ENVE	Max	-68,034	-67,35	12,7	68,54	169,319
907	907	2063	SLE-ENVE	Max	-72,168	-78,45	12,7	79,47	170,801
907	907	1001	SLE-ENVE	Max	-81,746	-78,45	14,26	79,73	169,699
907	907	1002	SLE-ENVE	Min	-76,455	-97,58	6,73	97,81	176,057
907	907	2062	SLE-ENVE	Min	-70,144	-97,58	4,79	97,7	177,191
907	907	2063	SLE-ENVE	Min	-74,247	-127,07	4,79	127,16	177,843
907	907	1001	SLE-ENVE	Min	-79,687	-127,07	6,73	127,25	176,97
908	908	2062	SLU-ENVE	Max	-65,98	-120,36	14,18	121,19	173,281
908	908	1361	SLU-ENVE	Max	-50,045	-120,36	8,94	120,69	175,752
908	908	1340	SLU-ENVE	Max	-52,19	-148,66	8,94	148,93	176,559
908	908	2063	SLU-ENVE	Max	-70,052	-148,66	14,18	149,33	174,552
908	908	2062	SLU-ENVE	Min	-69,722	-159,11	2,12	159,12	179,237
908	908	1361	SLU-ENVE	Min	-61,354	-159,11	-3,44	159,14	-178,762
908	908	1340	SLU-ENVE	Min	-64,909	-220,36	-3,44	220,39	-179,106
908	908	2063	SLU-ENVE	Min	-73,761	-220,36	2,12	220,37	179,449
908	908	2062	SLE-ENVE	Max	-65,076	-64,68	7,88	65,16	173,057
908	908	1361	SLE-ENVE	Max	-49,397	-64,68	4,94	64,87	175,633
908	908	1340	SLE-ENVE	Max	-51,567	-80,39	4,94	80,54	176,484

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Element Forces - Area Shells, Part 3 of 3**

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
908	908	2063	SLE-ENVE	Max	-69,361	-80,39	7,88	80,77	174,404
908	908	2062	SLE-ENVE	Min	-69,361	-87,74	1,15	87,75	179,249
908	908	1361	SLE-ENVE	Min	-60,82	-87,74	-1,96	87,77	-178,722
908	908	1340	SLE-ENVE	Min	-64,483	-121,74	-1,96	121,75	-179,079
908	908	2063	SLE-ENVE	Min	-73,532	-121,74	1,15	121,74	179,459
909	909	1001	SLU-ENVE	Max	-81,743	-145,94	57,21	156,75	158,596
909	909	2063	SLU-ENVE	Max	-72,757	-145,94	35,26	150,14	166,417
909	909	2064	SLU-ENVE	Max	-75,619	-198,54	35,26	201,65	169,929
909	909	1000	SLU-ENVE	Max	-84,381	-198,54	57,21	206,62	163,927
909	909	1001	SLU-ENVE	Min	-80,006	-232,47	29,34	234,32	172,807
909	909	2063	SLU-ENVE	Min	-74,712	-232,47	16,7	233,07	175,891
909	909	2064	SLU-ENVE	Min	-76,669	-319,58	16,7	320,01	177,009
909	909	1000	SLU-ENVE	Min	-81,617	-319,58	29,34	320,92	174,754
909	909	1001	SLE-ENVE	Max	-81,433	-79,35	31,59	85,41	158,291
909	909	2063	SLE-ENVE	Max	-72,104	-79,35	19,54	81,72	166,167
909	909	2064	SLE-ENVE	Max	-75,004	-108,6	19,54	110,35	169,801
909	909	1000	SLE-ENVE	Max	-84,157	-108,6	31,59	113,11	163,781
909	909	1001	SLE-ENVE	Min	-79,911	-128,4	16,32	129,44	172,756
909	909	2063	SLE-ENVE	Min	-74,519	-128,4	9,23	128,74	175,89
909	909	2064	SLE-ENVE	Min	-76,553	-176,44	9,23	176,68	177,006
909	909	1000	SLE-ENVE	Min	-81,578	-176,44	16,32	177,2	174,715
910	910	2063	SLU-ENVE	Max	-70,798	-150,34	28,15	152,95	169,395
910	910	1340	SLU-ENVE	Max	-52,591	-150,34	24,36	152,3	170,797
910	910	1319	SLU-ENVE	Max	-51,504	-170,7	24,36	172,43	171,88
910	910	2064	SLU-ENVE	Max	-72,771	-170,7	28,15	173,01	170,636
910	910	2063	SLU-ENVE	Min	-74,294	-223,3	11,9	223,62	176,951
910	910	1340	SLU-ENVE	Min	-65,506	-223,3	8,87	223,48	177,726
910	910	1319	SLU-ENVE	Min	-67,749	-246,29	8,87	246,45	177,938
910	910	2064	SLU-ENVE	Min	-76,019	-246,29	11,9	246,58	177,235
910	910	2063	SLE-ENVE	Max	-70,114	-81,36	15,6	82,84	169,144
910	910	1340	SLE-ENVE	Max	-51,932	-81,36	13,54	82,48	170,553
910	910	1319	SLE-ENVE	Max	-50,791	-92,53	13,54	93,51	171,676
910	910	2064	SLE-ENVE	Max	-72,106	-92,53	15,6	93,83	170,428
910	910	2063	SLE-ENVE	Min	-74,097	-123,35	6,57	123,52	176,95
910	910	1340	SLE-ENVE	Min	-65,106	-123,35	4,85	123,44	177,75
910	910	1319	SLE-ENVE	Min	-67,432	-136,15	4,85	136,24	177,962
910	910	2064	SLE-ENVE	Min	-75,9	-136,15	6,57	136,31	177,236
913	913	999	SLU-ENVE	Max	-84,697	-261,17	-62,53	268,56	-166,535
913	913	2065	SLU-ENVE	Max	-75,441	-261,17	-25,62	262,43	-174,398
913	913	2066	SLU-ENVE	Max	-80,793	-192,89	-25,62	194,59	-172,436
913	913	902	SLU-ENVE	Max	-86,137	-192,89	-62,53	202,78	-162,038
913	913	999	SLU-ENVE	Min	-81,871	-439,48	-108,97	452,78	-166,074
913	913	2065	SLU-ENVE	Min	-76,395	-439,48	-47	441,98	-173,896
913	913	2066	SLU-ENVE	Min	-80,542	-339,29	-47	342,53	-172,114
913	913	902	SLU-ENVE	Min	-83,885	-339,29	-108,97	356,36	-162,195
913	913	999	SLE-ENVE	Max	-84,461	-142,3	-33,64	146,22	-166,7
913	913	2065	SLE-ENVE	Max	-74,806	-142,3	-13,42	142,93	-174,614
913	913	2066	SLE-ENVE	Max	-80,361	-106,98	-13,42	107,82	-172,852
913	913	902	SLE-ENVE	Max	-85,971	-106,98	-33,64	112,14	-162,544
913	913	999	SLE-ENVE	Min	-81,93	-242,45	-59,68	249,69	-166,171
913	913	2065	SLE-ENVE	Min	-76,389	-242,45	-25,59	243,8	-173,976
913	913	2066	SLE-ENVE	Min	-80,583	-188,61	-25,59	190,33	-172,274
913	913	902	SLE-ENVE	Min	-83,96	-188,61	-59,68	197,82	-162,44

AUTOSTRADA VALDASTICO A31 NORD  
1° LOTTO – Piovene Rocchette – Valle dell'Astico

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

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
914	914	2065	SLU-ENVE	Max	-72,723	-189,06	-28,04	191,13	-171,565
914	914	1174	SLU-ENVE	Max	-50,612	-189,06	-1,48	189,06	-179,552
914	914	1123	SLU-ENVE	Max	-53,578	-220,6	-1,48	220,6	-179,616
914	914	2066	SLU-ENVE	Max	-76,928	-220,6	-28,04	222,37	-172,757
914	914	2065	SLU-ENVE	Min	-75,805	-288,86	-49,22	293,02	-170,33
914	914	1174	SLU-ENVE	Min	-67,476	-288,86	-13,14	289,16	-177,396
914	914	1123	SLU-ENVE	Min	-71,073	-353,65	-13,14	353,89	-177,873
914	914	2066	SLU-ENVE	Min	-79,57	-353,65	-49,22	357,06	-172,077
914	914	2065	SLE-ENVE	Max	-72,057	-102,7	-14,95	103,78	-171,716
914	914	1174	SLE-ENVE	Max	-50,015	-102,7	-0,47	102,7	-179,736
914	914	1123	SLE-ENVE	Max	-52,757	-120,65	-0,47	120,65	-179,775
914	914	2066	SLE-ENVE	Max	-76,439	-120,65	-14,95	121,57	-172,935
914	914	2065	SLE-ENVE	Min	-75,787	-159,79	-26,94	162,05	-170,431
914	914	1174	SLE-ENVE	Min	-67,289	-159,79	-6,97	159,95	-177,504
914	914	1123	SLE-ENVE	Min	-70,976	-195,87	-6,97	196	-177,963
914	914	2066	SLE-ENVE	Min	-79,605	-195,87	-26,94	197,72	-172,169
981	981	1380	SLU-ENVE	Max	45,071	66,34	10,99	67,24	9,41
981	981	2110	SLU-ENVE	Max	57,55	66,34	11,42	67,31	9,77
981	981	2112	SLU-ENVE	Max	60,243	101,07	11,42	101,71	6,448
981	981	1359	SLU-ENVE	Max	46,151	101,07	10,99	101,66	6,208
981	981	1380	SLU-ENVE	Min	-80,635	20	-11,04	22,84	-28,896
981	981	2110	SLU-ENVE	Min	-79,841	20	-6,5	21,03	-18,017
981	981	2112	SLU-ENVE	Min	-81,777	26,23	-6,5	27,02	-13,93
981	981	1359	SLU-ENVE	Min	-82,377	26,23	-11,04	28,46	-22,827
981	981	1380	SLE-ENVE	Max	46,323	35,84	6,13	36,36	9,708
981	981	2110	SLE-ENVE	Max	58,226	35,84	6,37	36,4	10,072
981	981	2112	SLE-ENVE	Max	59,923	55,13	6,37	55,5	6,587
981	981	1359	SLE-ENVE	Max	46	55,13	6,13	55,47	6,346
981	981	1380	SLE-ENVE	Min	-78,647	11,74	-6,15	13,25	-27,629
981	981	2110	SLE-ENVE	Min	-78,003	11,74	-3,62	12,29	-17,151
981	981	2112	SLE-ENVE	Min	-80,717	15,23	-3,62	15,66	-13,381
981	981	1359	SLE-ENVE	Min	-81,229	15,23	-6,15	16,42	-21,973
982	982	2110	SLU-ENVE	Max	57,917	73,3	12,33	74,33	9,546
982	982	2111	SLU-ENVE	Max	68,64	73,3	12,75	74,4	9,867
982	982	2113	SLU-ENVE	Max	71,258	111,86	12,75	112,58	6,502
982	982	2112	SLU-ENVE	Max	60,608	111,86	12,33	112,54	6,288
982	982	2110	SLU-ENVE	Min	-78,312	21,02	-2,33	21,15	-6,322
982	982	2111	SLU-ENVE	Min	-77,585	21,02	2,59	21,18	7,022
982	982	2113	SLU-ENVE	Min	-79,907	28,45	2,59	28,56	5,201
982	982	2112	SLU-ENVE	Min	-80,394	28,45	-2,33	28,54	-4,681
982	982	2110	SLE-ENVE	Max	58,606	39,61	6,87	40,2	9,838
982	982	2111	SLE-ENVE	Max	68,815	39,61	7,1	40,24	10,163
982	982	2113	SLE-ENVE	Max	70,958	61,02	7,1	61,43	6,637
982	982	2112	SLE-ENVE	Max	60,283	61,02	6,87	61,41	6,422
982	982	2110	SLE-ENVE	Min	-76,268	12,67	-1,3	12,74	-5,876
982	982	2111	SLE-ENVE	Min	-75,758	12,67	1,43	12,75	6,445
982	982	2113	SLE-ENVE	Min	-78,807	16,83	1,43	16,89	4,862
982	982	2112	SLE-ENVE	Min	-79,182	16,83	-1,3	16,88	-4,431
983	983	2111	SLU-ENVE	Max	70,051	79,05	13,76	80,24	9,877
983	983	1381	SLU-ENVE	Max	77,734	79,05	14,21	80,32	10,188
983	983	1360	SLU-ENVE	Max	79,085	113,6	14,21	114,49	7,128
983	983	2113	SLU-ENVE	Max	72,733	113,6	13,76	114,43	6,908
983	983	2111	SLU-ENVE	Min	-76,086	21,97	6,77	22,99	17,137

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Element Forces - Area Shells, Part 3 of 3**

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
983	983	1381	SLU-ENVE	Min	-76,511	21,97	11,4	24,75	27,417
983	983	1360	SLU-ENVE	Min	-79,075	29,72	11,4	31,83	20,978
983	983	2113	SLU-ENVE	Min	-78,486	29,72	6,77	30,48	12,84
983	983	2111	SLE-ENVE	Max	70,223	42,69	7,66	43,37	10,176
983	983	1381	SLE-ENVE	Max	77,287	42,69	7,91	43,42	10,491
983	983	1360	SLE-ENVE	Max	78,122	61,89	7,91	62,4	7,279
983	983	2113	SLE-ENVE	Max	72,443	61,89	7,66	62,37	7,058
983	983	2111	SLE-ENVE	Min	-74,117	13,57	3,76	14,08	15,478
983	983	1381	SLE-ENVE	Min	-75,739	13,57	6,33	14,97	25,005
983	983	1360	SLE-ENVE	Min	-78,58	17,9	6,33	18,99	19,464
983	983	2113	SLE-ENVE	Min	-77,267	17,9	3,76	18,29	11,849
984	984	1359	SLU-ENVE	Max	46,024	104,28	10,73	104,83	5,876
984	984	2112	SLU-ENVE	Max	59,982	104,28	11,43	104,9	6,255
984	984	2114	SLU-ENVE	Max	64,335	139,17	11,43	139,64	4,695
984	984	1338	SLU-ENVE	Max	47,812	139,17	10,73	139,59	4,409
984	984	1359	SLU-ENVE	Min	-82,366	26,27	-8,32	27,55	-17,569
984	984	2112	SLU-ENVE	Min	-81,734	26,27	-3,59	26,51	-7,774
984	984	2114	SLU-ENVE	Min	-82,614	32,94	-3,59	33,14	-6,212
984	984	1338	SLU-ENVE	Min	-83,112	32,94	-8,32	33,98	-14,168
984	984	1359	SLE-ENVE	Max	45,877	56,92	6,01	57,24	6,023
984	984	2112	SLE-ENVE	Max	59,671	56,92	6,39	57,28	6,4
984	984	2114	SLE-ENVE	Max	64,096	76,3	6,39	76,57	4,784
984	984	1338	SLE-ENVE	Max	47,69	76,3	6,01	76,54	4,5
984	984	1359	SLE-ENVE	Min	-81,231	15,25	-4,64	15,94	-16,917
984	984	2112	SLE-ENVE	Min	-80,684	15,25	-2,01	15,38	-7,503
984	984	2114	SLE-ENVE	Min	-81,809	18,94	-2,01	19,05	-6,052
984	984	1338	SLE-ENVE	Min	-82,231	18,94	-4,64	19,5	-13,758
985	985	2112	SLU-ENVE	Max	60,329	115,05	12,35	115,71	6,125
985	985	2113	SLU-ENVE	Max	71,024	115,05	13,18	115,81	6,534
985	985	2115	SLU-ENVE	Max	75,029	153,55	13,18	154,11	4,905
985	985	2114	SLU-ENVE	Max	64,797	153,55	12,35	154,04	4,597
985	985	2112	SLU-ENVE	Min	-80,366	28,28	0,58	28,29	1,174
985	985	2113	SLU-ENVE	Min	-79,86	28,28	5,8	28,87	11,596
985	985	2115	SLU-ENVE	Min	-81,019	35,87	5,8	36,34	9,19
985	985	2114	SLU-ENVE	Min	-81,399	35,87	0,58	35,87	0,926
985	985	2112	SLE-ENVE	Max	60,015	62,8	6,89	63,18	6,264
985	985	2113	SLE-ENVE	Max	70,732	62,8	7,35	63,23	6,672
985	985	2115	SLE-ENVE	Max	74,844	84,18	7,35	84,5	4,988
985	985	2114	SLE-ENVE	Max	64,559	84,18	6,89	84,46	4,681
985	985	2112	SLE-ENVE	Min	-79,165	16,73	0,3	16,73	1,044
985	985	2113	SLE-ENVE	Min	-78,785	16,73	3,21	17,04	10,85
985	985	2115	SLE-ENVE	Min	-80,212	20,93	3,21	21,17	8,712
985	985	2114	SLE-ENVE	Min	-80,473	20,93	0,3	20,93	0,835
986	986	2113	SLU-ENVE	Max	72,568	115,95	14,48	116,86	7,12
986	986	1360	SLU-ENVE	Max	79,021	115,95	15,36	116,97	7,545
986	986	1339	SLU-ENVE	Max	80,998	159,36	15,36	160,1	5,505
986	986	2115	SLU-ENVE	Max	76,105	159,36	14,48	160,02	5,193
986	986	2113	SLU-ENVE	Min	-78,404	29,16	10,47	30,98	19,745
986	986	1360	SLU-ENVE	Min	-78,952	29,16	13,22	32,01	24,394
986	986	1339	SLU-ENVE	Min	-80,964	41,27	13,22	43,33	17,766
986	986	2115	SLU-ENVE	Min	-79,849	41,27	10,47	42,57	14,23
986	986	2113	SLE-ENVE	Max	72,286	63,21	8,07	63,72	7,276
986	986	1360	SLE-ENVE	Max	78,064	63,21	8,54	63,78	7,695



AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Element Forces - Area Shells, Part 3 of 3**

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
986	986	1339	SLE-ENVE	Max	80,324	87,27	8,54	87,69	5,589
986	986	2115	SLE-ENVE	Max	75,932	87,27	8,07	87,65	5,283
986	986	2113	SLE-ENVE	Min	-77,208	17,58	5,79	18,51	18,24
986	986	1360	SLE-ENVE	Min	-78,468	17,58	7,36	19,06	22,721
986	986	1339	SLE-ENVE	Min	-80,653	24,3	7,36	25,4	16,851
986	986	2115	SLE-ENVE	Min	-78,952	24,3	5,79	24,99	13,408
987	987	1338	SLU-ENVE	Max	48,193	138,77	13,07	139,39	5,379
987	987	2114	SLU-ENVE	Max	66,117	138,77	11,19	139,22	4,611
987	987	2116	SLU-ENVE	Max	66,167	160,17	11,19	160,56	3,997
987	987	1317	SLU-ENVE	Max	41,04	160,17	13,07	160,71	4,664
987	987	1338	SLU-ENVE	Min	-82,903	32,98	7,3	33,77	12,484
987	987	2114	SLU-ENVE	Min	-82,438	32,98	7,74	33,87	13,216
987	987	2116	SLU-ENVE	Min	-83,353	40,29	7,74	41,02	10,881
987	987	1317	SLU-ENVE	Min	-83,688	40,29	7,3	40,94	10,272
987	987	1338	SLE-ENVE	Max	48,061	76,08	7,25	76,43	5,443
987	987	2114	SLE-ENVE	Max	65,889	76,08	6,21	76,33	4,668
987	987	2116	SLE-ENVE	Max	65,956	87,96	6,21	88,18	4,04
987	987	1317	SLE-ENVE	Max	40,904	87,96	7,25	88,26	4,712
987	987	1338	SLE-ENVE	Min	-82,023	18,94	4,16	19,39	12,373
987	987	2114	SLE-ENVE	Min	-81,643	18,94	4,38	19,44	13,015
987	987	2116	SLE-ENVE	Min	-82,783	23	4,38	23,41	10,776
987	987	1317	SLE-ENVE	Min	-83,041	23	4,16	23,37	10,24
988	988	2114	SLU-ENVE	Max	66,797	153,18	14,36	153,85	5,357
988	988	2115	SLU-ENVE	Max	76,76	153,18	11,47	153,61	4,283
988	988	2117	SLU-ENVE	Max	78,585	179,13	11,47	179,49	3,664
988	988	2116	SLU-ENVE	Max	66,754	179,13	14,36	179,7	4,585
988	988	2114	SLU-ENVE	Min	-81,163	35,88	8,72	36,93	13,658
988	988	2115	SLU-ENVE	Min	-80,771	35,88	8,61	36,9	13,498
988	988	2117	SLU-ENVE	Min	-82,118	44,53	8,61	45,35	10,949
988	988	2116	SLU-ENVE	Min	-82,333	44,53	8,72	45,37	11,08
988	988	2114	SLE-ENVE	Max	66,57	83,98	7,97	84,35	5,423
988	988	2115	SLE-ENVE	Max	76,602	83,98	6,4	84,22	4,357
988	988	2117	SLE-ENVE	Max	78,48	98,37	6,4	98,58	3,721
988	988	2116	SLE-ENVE	Max	66,545	98,37	7,97	98,7	4,633
988	988	2114	SLE-ENVE	Min	-80,242	20,92	4,92	21,49	13,237
988	988	2115	SLE-ENVE	Min	-79,969	20,92	4,83	21,47	13,011
988	988	2117	SLE-ENVE	Min	-81,511	25,69	4,83	26,14	10,656
988	988	2116	SLE-ENVE	Min	-81,673	25,69	4,92	26,15	10,843
989	989	2115	SLU-ENVE	Max	77,691	160,96	14,02	161,57	4,977
989	989	1339	SLU-ENVE	Max	81,952	160,96	12,27	161,42	4,36
989	989	1318	SLU-ENVE	Max	83,721	171,31	12,27	171,75	4,097
989	989	2117	SLU-ENVE	Max	80,038	171,31	14,02	171,88	4,678
989	989	2115	SLU-ENVE	Min	-79,668	42,14	9,13	43,12	12,223
989	989	1339	SLU-ENVE	Min	-80,857	42,14	8,66	43,02	11,614
989	989	1318	SLU-ENVE	Min	-81,732	41,04	8,66	41,94	11,918
989	989	2117	SLU-ENVE	Min	-80,913	41,04	9,13	42,04	12,542
989	989	2115	SLE-ENVE	Max	77,547	88,15	7,79	88,5	5,05
989	989	1339	SLE-ENVE	Max	81,35	88,15	6,82	88,42	4,426
989	989	1318	SLE-ENVE	Max	83,309	93,99	6,82	94,24	4,152
989	989	2117	SLE-ENVE	Max	79,948	93,99	7,79	94,31	4,737
989	989	2115	SLE-ENVE	Min	-78,783	24,78	5,13	25,3	11,697
989	989	1339	SLE-ENVE	Min	-80,561	24,78	4,85	25,25	11,073
989	989	1318	SLE-ENVE	Min	-81,522	24,05	4,85	24,54	11,398

AUTOSTRADA VALDASTICO A31 NORD  
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**Table: Element Forces - Area Shells, Part 3 of 3**

Area	AreaElem	Joint	OutputCase	StepType	MAngle	V13	V23	VMax	VAngle
					Degrees	KN/m	KN/m	KN/m	Degrees
989	989	2117	SLE-ENVE	Min	-80,216	24,05	5,13	24,59	12,039
993	993	1172	SLU-ENVE	Max	43,528	176,14	2,85	176,16	0,927
993	993	2118	SLU-ENVE	Max	67,684	176,14	-8,34	176,34	-2,712
993	993	2120	SLU-ENVE	Max	66,696	205	-8,34	205,17	-2,331
993	993	1127	SLU-ENVE	Max	40,662	205	2,85	205,02	0,796
993	993	1172	SLU-ENVE	Min	-83,923	43,16	-10,31	44,38	-13,438
993	993	2118	SLU-ENVE	Min	-83,533	43,16	-13,66	45,27	-17,56
993	993	2120	SLU-ENVE	Min	-85,751	49,03	-13,66	50,9	-15,566
993	993	1127	SLU-ENVE	Min	-86,085	49,03	-10,31	50,11	-11,878
993	993	1172	SLE-ENVE	Max	43,357	96,89	1,62	96,9	0,961
993	993	2118	SLE-ENVE	Max	67,553	96,89	-4,55	96,99	-2,688
993	993	2120	SLE-ENVE	Max	66,569	112,87	-4,55	112,96	-2,308
993	993	1127	SLE-ENVE	Max	40,43	112,87	1,62	112,88	0,825
993	993	1172	SLE-ENVE	Min	-83,558	24,6	-5,23	25,15	-11,994
993	993	2118	SLE-ENVE	Min	-83,247	24,6	-7,06	25,59	-16,013
993	993	2120	SLE-ENVE	Min	-85,689	27,9	-7,06	28,78	-14,201
993	993	1127	SLE-ENVE	Min	-85,99	27,9	-5,23	28,38	-10,61
994	994	2118	SLU-ENVE	Max	68,419	195,92	-3,39	195,95	-0,992
994	994	2119	SLU-ENVE	Max	79,078	195,92	-15,37	196,52	-4,487
994	994	2121	SLU-ENVE	Max	78,513	232,67	-15,37	233,18	-3,781
994	994	2120	SLU-ENVE	Max	66,948	232,67	-3,39	232,7	-0,836
994	994	2118	SLU-ENVE	Min	-82,566	46,72	-12,26	48,3	-14,708
994	994	2119	SLU-ENVE	Min	-82,093	46,72	-17,95	50,05	-21,02
994	994	2121	SLU-ENVE	Min	-84,612	58,06	-17,95	60,78	-17,18
994	994	2120	SLU-ENVE	Min	-84,859	58,06	-12,26	59,34	-11,926
994	994	2118	SLE-ENVE	Max	68,285	107,79	-1,81	107,81	-0,963
994	994	2119	SLE-ENVE	Max	79,017	107,79	-8,01	108,09	-4,25
994	994	2121	SLE-ENVE	Max	78,469	128,12	-8,01	128,37	-3,577
994	994	2120	SLE-ENVE	Max	66,815	128,12	-1,81	128,13	-0,81
994	994	2118	SLE-ENVE	Min	-82,223	26,95	-6,29	27,68	-13,128
994	994	2119	SLE-ENVE	Min	-81,797	26,95	-9,63	28,62	-19,656
994	994	2121	SLE-ENVE	Min	-84,574	33,23	-9,63	34,59	-16,159
994	994	2120	SLE-ENVE	Min	-84,775	33,23	-6,29	33,82	-10,713
995	995	2119	SLU-ENVE	Max	79,915	176,2	-7,56	176,36	-2,457
995	995	1173	SLU-ENVE	Max	84,173	176,2	-17,21	177,04	-5,579
995	995	1113	SLU-ENVE	Max	83,886	265,03	-17,21	265,59	-3,715
995	995	2121	SLU-ENVE	Max	79,919	265,03	-7,56	265,14	-1,634
995	995	2119	SLU-ENVE	Min	-81,266	38,79	-12,29	40,69	-17,579
995	995	1173	SLU-ENVE	Min	-81,247	38,79	-22,77	44,98	-30,415
995	995	1113	SLU-ENVE	Min	-84,189	78,7	-22,77	81,93	-16,138
995	995	2121	SLU-ENVE	Min	-83,4	78,7	-12,29	79,66	-8,875
995	995	2119	SLE-ENVE	Max	79,86	96,89	-4,11	96,98	-2,427
995	995	1173	SLE-ENVE	Max	83,827	96,89	-9,02	97,31	-5,317
995	995	1113	SLE-ENVE	Max	83,59	145,85	-9,02	146,13	-3,538
995	995	2121	SLE-ENVE	Max	79,874	145,85	-4,11	145,91	-1,613
995	995	2119	SLE-ENVE	Min	-80,926	23,01	-6,3	23,86	-15,315
995	995	1173	SLE-ENVE	Min	-81,289	23,01	-12,29	26,09	-28,119
995	995	1113	SLE-ENVE	Min	-84,332	44,96	-12,29	46,61	-15,295
995	995	2121	SLE-ENVE	Min	-83,329	44,96	-6,3	45,4	-7,978