

COMMITTENTE



GRV Wind Sardegna 6 s.r.l.
Via Durini, 9 Tel. +39.02.5004315920122
Milano PEC:
grwindsardegna6@legalmail.it

M&M
GRV WIND SARDEGNA 6 S.R.L.

PROGETTISTI

Progettisti:
ing. Mariano Marseglia
ing. Giuseppe Federico Zingarelli

M&M ENGINEERING S.r.l.
Sede Operativa:
Via I Maggio, n.4 Tel./fax +39.0885.791912
Orta Nova (FG) Mail: ing.marianomarseglia@gmail.com

Collaborazioni:
Ing. Giovanna Scuderi
Ing. Dionisio Staffieri



REGIONE AUTONOMA
DELLA SARDEGNA



PROVINCIA
SUD SARDEGNA



COMUNE SELEGAS



COMUNE GESICO



COMUNE MANDAS

PROGETTO

PROGETTO DEFINITIVO PER LA REALIZZAZIONE DI UN PARCO EOLICO DENOMINATO "PLANU SERRANTIS" COMPOSTO DA 9 AEROGENERATORI DA 6,6 MW, PER UNA POTENZA COMPLESSIVA DI 59,4 MW SITO NEI COMUNI DI SELEGAS, GESICO E MANDAS (SU), CON OPERE DI CONNESSIONE NEI COMUNI DI GUASILA, VILLANOVAFRANCA, VILLAMAR, FURTEI, SANLURI (SU)

ELABORATO

Titolo:

**CALCOLI PRELIMINARI DELLE STRUTTURE
(Fondazioni Aerogeneratori)**

Tav./Doc.:

OCV-13

Codice elaborato:

EOL-OCV-13

Scala/Formato:

A4

REV.	DATA	DESCRIZIONE	ELABORAZIONE	VERIFICA	APPROVAZIONE
0	Novembre/2022	Prima emissione	M&M	M&M	GRVALUE

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1. PREMESSA

La seguente relazione tecnica è riferita al progetto per la realizzazione di un parco eolico proposto dalla società **GRV Wind Sardegna 6 s.r.l.** con sede legale a Milano, Via Durini, n. 9.

La proposta progettuale è finalizzata alla realizzazione di un impianto eolico per la produzione di energia elettrica da fonte rinnovabile eolica, costituito da 9 aerogeneratori, ciascuno di potenza nominale pari a 6,6 MW per una potenza complessiva di 59,4 MW, da realizzarsi nella Provincia del Sud Sardegna, nei territori comunali di Selegas, Gesico e Mandas in cui insistono gli aerogeneratori e parte dell'elettrodotto interrato, mentre nei territori comunali di Guasila, Villanovafranca, Villamar, Furtei, Sanluri ricade la restante parte dell'elettrodotto e la Cabina Utente.

Gli aerogeneratori saranno ad asse orizzontale, costituiti da un sistema tripala, con generatore di tipo asincrono o sincrono. Il tipo di aerogeneratore da utilizzare verrà scelto in fase di progettazione esecutiva dell'impianto, le dimensioni previste per l'aerogeneratore tipo sono: diametro del rotore 170 m, altezza mozzo 115 m.

Nella presente relazione verranno riportati i calcoli preliminari delle strutture di fondazione. In particolare si analizzano le azioni agenti sulla fondazione dell'aerogeneratore, verificando, in funzione delle caratteristiche geotecniche del terreno, la capacità portante dello stesso alle azioni agenti.

La torre, il generatore e la cabina di trasformazione andranno a scaricare su una struttura di fondazione in cemento armato del tipo diretto.

La fondazione viene calcolata in modo tale da poter sopportare il carico della macchina e il momento prodotto sia dal carico concentrato posto in testa alla torre che dall'azione cinetica delle pale in movimento.

Le verifiche di stabilità del terreno e delle strutture di fondazione sono state eseguite con i metodi ed i procedimenti della geotecnica, tenendo conto delle massime sollecitazioni sul terreno che la struttura trasmette.

Le strutture di fondazione sono dimensionate in conformità alla normativa tecnica vigente.

Tutti i calcoli di seguito riportati e la relativa scelta di materiali, sezioni e dimensioni andranno verificati in sede di progettazione esecutiva e potranno pertanto subire variazioni anche sostanziali per mantenere i necessari livelli di sicurezza.

2. NORMATIVE DI RIFERIMENTO

- Legge nr. 1086 del 05/11/1971.

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

- Legge nr. 64 del 02/02/1974.

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

- D.M. LL.PP. del 11/03/1988.

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

- D.M. LL.PP. del 14/02/1992.

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

- D.M. 9 Gennaio 1996

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

- D.M. 16 Gennaio 1996

Norme Tecniche relative ai 'Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi'

- D.M. 16 Gennaio 1996

Norme Tecniche per le costruzioni in zone sismiche

- Circolare Ministero LL.PP. 15 Ottobre 1996 N. 252 AA.GG./S.T.C.

Istruzioni per l'applicazione delle Norme Tecniche di cui al D.M. 9 Gennaio 1996

- Circolare Ministero LL.PP. 10 Aprile 1997 N. 65/AA.GG.

Istruzioni per l'applicazione delle Norme Tecniche per le costruzioni in zone sismiche di cui al D.M. 16 Gennaio 1996

Norme Tecniche per le Costruzioni 2018 (D.M. 17 Gennaio 2018)

- CIRCOLARE 21 gennaio 2019, n. 7 C.S.LL.PP.

Istruzioni per l'applicazione dell'«Aggiornamento delle "Norme tecniche per le costruzioni"» di cui al decreto ministeriale 17 gennaio 2018.

3. RICHIAMI TEORICI - METODI DI ANALISI

Calcolo - Analisi ad elementi finiti

Per l'analisi platea si utilizza il metodo degli elementi finiti (FEM). La struttura viene suddivisa in elementi connessi fra di loro in corrispondenza dei nodi. Il campo di spostamenti interno all'elemento viene approssimato in funzione degli spostamenti nodali mediante le funzioni di forma. Il programma utilizza, per l'analisi tipo piastra, elementi quadrangolari e triangolari. Nel problema di tipo piastra gli spostamenti nodali sono lo spostamento verticale w e le rotazioni intorno agli assi x e y , ϕ_x e ϕ_y , legati allo spostamento w tramite relazioni

$$\phi_x = -dw/dy$$

$$\phi_y = dw/dx$$

Note le funzioni di forma che legano gli spostamenti nodali al campo di spostamenti sul singolo elemento è possibile costruire la matrice di rigidezza dell'elemento \mathbf{k}_e ed il vettore dei carichi nodali dell'elemento \mathbf{p}_e .

La fase di assemblaggio consente di ottenere la matrice di rigidezza globale della struttura \mathbf{K} ed il vettore dei carichi nodali \mathbf{p} . La soluzione del sistema

$$\mathbf{K} \mathbf{u} = \mathbf{p}$$

consente di ricavare il vettore degli spostamenti nodali \mathbf{u} .

Dagli spostamenti nodali è possibile risalire per ogni elemento al campo di spostamenti ed alle sollecitazioni M_x , M_y ed M_{xy} .

Il terreno di fondazione se presente viene modellato con delle molle disposte in corrispondenza dei nodi. La rigidezza delle molle è proporzionale alla costante di sottofondo k ed all'area dell'elemento.

I pali di fondazione sono modellati con molle verticali aventi rigidezza pari alla rigidezza verticale del palo.

Per l'analisi tipo lastra (analisi della piastra soggetta a carichi nel piano) vengono utilizzati elementi triangolari a 6 nodi a deformazione quadratica. Gli spostamenti nodali sono gli spostamenti u e v nel piano XY. L'analisi fornisce in tal caso il campo di spostamenti orizzontali e le tensioni nel piano della lastra σ_x , σ_y e τ_{xy} . Dalle tensioni è possibile ricavare, noto lo spessore, gli sforzi normali N_x , N_y e N_{xy} .

Nell'analisi tipo lastra i pali di fondazione sono modellati con molle orizzontali in direzione X e Y aventi rigidezza pari alla rigidezza orizzontale del palo.

Nel caso di platea nervata le nervature sono modellate con elementi tipo trave (con eventuale rigidezza torsionale) connesse alla piastra in corrispondenza dei nodi degli elementi.

Metodo calcolo portanza

Il rapporto fra il carico limite in fondazione e la componente normale della risultante dei carichi trasmessi deve essere superiore a η_q . Cioè, detto Q_u , il carico limite ed R la risultante verticale dei carichi in fondazione, deve essere:

$$\frac{Q_u}{R} \geq \eta_q$$

Eseguendo il calcolo mediante gli Eurocodici si può impostare $\eta_q \geq 1.0$

Le espressioni di Hansen per il calcolo della capacità portante si differenziano a secondo se siamo in presenza di un terreno puramente coesivo ($\phi=0$) o meno e si esprimono nel modo seguente:

Caso generale

$$q_u = cN_c s_c d_c i_c g_c b_c + q N_q s_q d_q i_q g_q b_q + 0.5 B \gamma N_\gamma s_\gamma d_\gamma i_\gamma g_\gamma b_\gamma$$

Caso di terreno puramente coesivo $\phi=0$

$$q_u = 5.14c(1+s_c+d_c-i_c-g_c-b_c) + q$$

in cui d_c, d_q, d_g , sono i fattori di profondità; s_c, s_q, s_g , sono i fattori di forma; i_c, i_q, i_g , sono i fattori di inclinazione del carico; b_c, b_q, b_g , sono i fattori di inclinazione del piano di posa; g_c, g_q, g_g , sono i fattori che tengono conto del fatto che la fondazione poggia su un terreno in pendenza.

I fattori N_c, N_q, N_g sono espressi come:

$$N_q = e^{\pi \tan \phi} K_p$$

$$N_c = (N_q - 1) \tan \phi$$

$$N_\gamma = 1.5(N_q - 1) \tan \phi$$

Vediamo ora come si esprimono i vari fattori che compaiono nella espressione del carico ultimo.

Fattori di forma

$$\begin{aligned} \text{per } \phi=0 \quad s_c &= 0.2 \frac{B}{L} \\ \text{per } \phi>0 \quad s_c &= 1 + \frac{N_q}{N_c} \frac{B}{L} \\ s_q &= 1 + \frac{B}{L} \tan \phi \\ s_\gamma &= 1 - 0.4 \frac{B}{L} \end{aligned}$$

Fattori di profondità

Si definisce il parametro k come

$$k = \frac{D}{B} \quad \text{se} \quad \frac{D}{B} \leq 1$$

$$k = \arctg \frac{D}{B} \quad \text{se} \quad \frac{D}{B} > 1$$

I vari coefficienti si esprimono come

$$\text{per } \phi=0 \quad d_c = 0.4k$$

$$\text{per } \phi>0 \quad d_c = 1 + 0.4k$$

$$d_q = 1 + 2\text{tg}\phi(1 - \sin\phi)^2 k$$

$$d_y = 1$$

Fattori di inclinazione del carico

Indichiamo con V e H le componenti del carico rispettivamente perpendicolare e parallela alla base e con A_f l'area efficace della fondazione ottenuta come $A_f = B' \times L'$ (B' e L' sono legate alle dimensioni effettive della fondazione B, L e all'eccentricità del carico e_B, e_L dalle relazioni $B' = B - 2e_B$ $L' = L - 2e_L$) e con h l'angolo di inclinazione della fondazione espresso in gradi ($h=0$ per fondazione orizzontale).

I fattori di inclinazione del carico si esprimono come:

$$\text{per } \phi = 0 \quad i_c = 1/2(1 - [1 - \frac{H}{A_f C_a}]^{0.5})$$

$$\text{per } \phi > 0 \quad i_c = i_q - \frac{1 - i_q}{N_q - 1}$$

$$i_q = (1 - \frac{0.5H}{V + A_f C_a \text{tg}\phi})^5$$

$$\text{per } \eta = 0 \quad i_y = (1 - \frac{0.7H}{V + A_f C_a \text{tg}\phi})^5$$

$$\text{per } \eta > 0 \quad i_y = (1 - \frac{(0.7 - \eta^\circ/450^\circ)H}{V + A_f C_a \text{tg}\phi})^5$$

Fattori di inclinazione del piano di posa della fondazione

$$\text{per } \phi=0 \quad b_c = \frac{\eta^\circ}{147^\circ}$$

$$\text{per } \phi > 0 \quad b_c = 1 - \frac{\eta^\circ}{147^\circ}$$

$$b_q = e^{-2\eta \text{tg} \phi}$$

$$b_\gamma = e^{-2.7\eta \text{tg} \phi}$$

Fattori di inclinazione del terreno

Indicando con β la pendenza del pendio i fattori g si ottengono dalle espressioni seguenti:

$$\text{per } \phi = 0 \quad g_c = \frac{\beta^\circ}{147^\circ}$$

$$\text{per } \phi > 0 \quad g_c = 1 - \frac{\beta^\circ}{147^\circ}$$

$$g_q = g_\gamma = (1 - 0.05 \text{tg} \beta)^5$$

Per poter applicare la formula di Hansen devono risultare verificate le seguenti condizioni:

$$H < V \text{tg} \delta + A_r c_a$$

$$\beta \leq \phi$$

$$i_q, i_\gamma > 0$$

$$\beta + \eta \leq 90^\circ$$

Cedimenti della fondazione

Metodo Edometrico

Il metodo edometrico è il classico procedimento per il calcolo dei cedimenti in terreni a grana fina, proposto da Terzaghi negli anni '20.

L'ipotesi edometrica è verificata con approssimazione tanto migliore quanto più ridotto è il valore del rapporto tra lo spessore dello strato compressibile e la dimensione in pianta della fondazione.

Tuttavia il metodo risulta dotato di ottima approssimazione anche nei casi di strati deformabili di grande spessore.

L'implementazione del metodo è espressa secondo la seguente espressione:

$$\Delta H = \sum_{i=1}^n \frac{\Delta \sigma_i}{E_{ed,i}} \Delta z_i$$

dove:

D_s è la tensione indotta nel terreno, alla profondità z , dalla pressione di contatto della fondazione;

E_{ed} è il modulo elastico determinato attraverso la prova edometrica e relativa allo strato i -esimo;

Δz rappresenta lo spessore dello strato i -esimo in cui è stato suddiviso lo strato compressibile e per il quale si conosce il modulo elastico.

Lo spessore dello strato compressibile considerato nell'analisi dei cedimenti è stato determinato in funzione della percentuale della tensione di contatto.

Disposizione delle armature

Le armature vengono disposte secondo due direzioni, una principale ed una secondaria. Per il calcolo delle stesse si fa riferimento ai valori nodali delle sollecitazioni ottenute dall'analisi ad elementi finiti. Per la disposizione delle stesse occorre suddividere la piastra in un numero di strisce opportuno nelle due direzioni.

Il programma utilizza strisce della larghezza di circa un metro.



Dati

Materiali

Simbologia adottata

n°	Indice materiale
Descrizione	Descrizione materiale
TC	Tipo calcestruzzo
Rck	Resistenza cubica caratteristica, espresso in [kg/cmq]
γ_{cls}	Peso specifico calcestruzzo, espresso in [kN/mc]
E	Modulo elastico calcestruzzo, espresso in [kg/cmq]
v	Coeff. di Poisson
n	Coeff. di omogeneizzazione
TA	Tipo acciaio

n°	Descrizione	TC	Rck [kg/cmq]	γ_{cls} [kN/mc]	E [kg/cmq]	v	n	TA
2	Piastra	C32/40	407,88	24,52	343054,09	0.200	15.00	B450C

Geometria

Coordinate contorno esterno

n°	X [m]	Y [m]	n°	X [m]	Y [m]	n°	X [m]	Y [m]	n°	X [m]	Y [m]
1	25,50	11,50	2	25,43	12,87	3	25,23	14,23	4	24,90	15,56
5	24,43	16,86	6	23,85	18,10	7	23,14	19,28	8	22,32	20,38
9	21,40	21,40	10	20,38	22,32	11	19,28	23,14	12	18,10	23,85
13	16,86	24,43	14	15,56	24,90	15	14,23	25,23	16	12,87	25,43
17	11,50	25,50	18	10,13	25,43	19	8,77	25,23	20	7,44	24,90
21	6,14	24,43	22	4,90	23,85	23	3,72	23,14	24	2,62	22,32
25	1,60	21,40	26	0,68	20,38	27	-0,14	19,28	28	-0,85	18,10
29	-1,43	16,86	30	-1,90	15,56	31	-2,23	14,23	32	-2,43	12,87
33	-2,50	11,50	34	-2,43	10,13	35	-2,23	8,77	36	-1,90	7,44
37	-1,43	6,14	38	-0,85	4,90	39	-0,14	3,72	40	0,68	2,62
41	1,60	1,60	42	2,62	0,68	43	3,72	-0,14	44	4,90	-0,85
45	6,14	-1,43	46	7,44	-1,90	47	8,77	-2,23	48	10,13	-2,43
49	11,50	-2,50	50	12,87	-2,43	51	14,23	-2,23	52	15,56	-1,90
53	16,86	-1,43	54	18,10	-0,85	55	19,28	-0,14	56	20,38	0,68
57	21,40	1,60	58	22,32	2,62	59	23,14	3,72	60	23,85	4,90
61	24,43	6,14	62	24,90	7,44	63	25,23	8,77	64	25,43	10,13

Spessori piastra

Simbologia adottata

Sp	Spessore, espresso in [cm]
n°	Indice del punto
X, Y	Ascissa e ordinata del punto, espresso in [cm]

Sp [cm]	n°	X [m]	Y [m]	n°	X [m]	Y [m]	n°	X [m]	Y [m]	n°	X [m]	Y [m]
120,00	1	-2,50	-2,50	2	25,50	-2,50	3	25,50	25,50	4	-2,50	25,50
200,00	1	10,59	2,25	2	12,41	2,25	3	14,20	2,61	4	15,88	3,31
	5	17,39	4,32	6	18,68	5,61	7	19,69	7,12	8	20,39	8,80
	9	20,75	10,59	10	20,75	12,41	11	20,39	14,20	12	19,69	15,88
	13	18,68	17,39	14	17,39	18,68	15	15,88	19,69	16	14,20	20,39
	17	12,41	20,75	18	10,59	20,75	19	8,80	20,39	20	7,12	19,69
	21	5,61	18,68	22	4,32	17,39	23	3,31	15,88	24	2,61	14,20
	25	2,25	12,41	26	2,25	10,59	27	2,61	8,80	28	3,31	7,12
	29	4,32	5,61	30	5,61	4,32	31	7,12	3,31	32	8,80	2,61
350,00	1	11,05	6,96	2	11,95	6,96	3	12,82	7,14	4	13,65	7,48

Sp [cm]	n°	X [m]	Y [m]	n°	X [m]	Y [m]	n°	X [m]	Y [m]	n°	X [m]	Y [m]
	5	14,39	7,98	6	15,02	8,61	7	15,52	9,35	8	15,86	10,18
	9	16,04	11,05	10	16,04	11,95	11	15,86	12,82	12	15,52	13,65
	13	15,02	14,39	14	14,39	15,02	15	13,65	15,52	16	12,82	15,86
	17	11,95	16,04	18	11,05	16,04	19	10,18	15,86	20	9,35	15,52
	21	8,61	15,02	22	7,98	14,39	23	7,48	13,65	24	7,14	12,82
	25	6,96	11,95	26	6,96	11,05	27	7,14	10,18	28	7,48	9,35
	29	7,98	8,61	30	8,61	7,98	31	9,35	7,48	32	10,18	7,14

Descrizione terreni

Caratteristiche fisico meccaniche

Simbologia adottata

Descrizione Descrizione terreno

γ Peso di volume del terreno espresso in [kN/mc]

γ_{sat} Peso di volume saturo del terreno espresso in [kN/mc]

ϕ Angolo di attrito interno del terreno espresso in gradi

δ Angolo di attrito palo-terreno espresso in gradi

c Coesione del terreno espressa in [kg/cm²]

ca Adesione del terreno espressa in [kg/cm²]

τ_i Tensione tangenziale, per calcolo portanza micropali con il metodo di Bustamante-Doix, espressa in [kg/cm²]

α Coeff. di espansione laterale

	[kN/mc]	[kN/mc]	[°]	[°]	[kg/cm ²]	[kg/cm ²]
Terreno Vegetale	16,800	17,500	19,00	12,67	0,050	0,025
Marne Alterate	19,000	19,000	46,00	30,67	0,000	0,000
Marne	23,000	23,000	70,00	46,67	0,000	0,000

Descrizione stratigrafia e falda

Simbologia adottata

N Identificativo strato

Z1 Quota dello strato in corrispondenza del punto di sondaggio n°1 espressa in [m]

Z2 Quota dello strato in corrispondenza del punto di sondaggio n°2 espressa in [m]

Z3 Quota dello strato in corrispondenza del punto di sondaggio n°3 espressa in [m]

Terreno Terreno associato allo strato

N	Z1 [m]	Z2 [m]	Z3 [m]	Terreno
1	-1,9	-1,9	-1,9	Terreno Vegetale
2	-4,4	-4,4	-4,4	Marne Alterate
3	-20,0	-20,0	-20,0	Marne

Falda

Profondità dal piano campagna 10,00 [m]

Costante di Winkler

Direzione	Simbolo	Kw [Kg/cm ² /cm]
Verticale	Kwv	24.741
Orizzontale	Kwo	Calcolata dal programma (Kwo=Kwv*tan(ϕ))

Convenzioni adottate

Carichi e reazioni vincolari

- Fz Carico verticale positivo verso il basso
Fx Forza orizzontale in direzione X positiva nel verso delle X crescenti.
Fy Forza orizzontale in direzione Y positiva nel verso delle Y crescenti.
Mx Momento con asse vettore parallelo all'asse X positivo antiorario.
My Momento con asse vettore parallelo all'asse Y positivo antiorario.

Sollecitazioni

- Mx Momento flettente X con asse vettore parallelo all'asse Y (positivo se tende le fibre inferiori).
My Momento flettente Y con asse vettore parallelo all'asse X (positivo se tende le fibre inferiori).
Mxy Momento flettente XY.

Condizioni di carico

Carichi concentrati

Simbologia adottata

- Ic Indice carico
X Ascissa carico espressa in [m]
Y Ordinata carico espressa in [m]
N Carico verticale espresso in [kN]
Mx Momento intorno all'asse X espresso in [kNm]
My Momento intorno all'asse Y espresso in [kNm]
Tx Forza orizzontale in direzione X espressa in [kN]
Ty Forza orizzontale in direzione Y espressa in [kN]

Condizione n° 1 - Condizione 1 [Variabile - $\Psi_0=1.00$ $\Psi_1=1.00$ $\Psi_2=1.00$ - Partecipa al sisma]

Carichi concentrati

Oggetto	X [m]	Y [m]	N [kN]	Mx [kNm]	My [kNm]	Tx [kN]	Ty [kN]
Piastra	11,50	11,50	8518,000	0,000	0,000	0,000	1900,000
Piastra	11,50	14,50	41500,000	0,000	0,000	150,000	0,000
Piastra	11,50	8,50	-41500,000	0,000	0,000	-150,000	0,000

Condizione n° 2 - Condizione 2 [Variabile - $\Psi_0=1.00$ $\Psi_1=1.00$ $\Psi_2=1.00$ - Partecipa al sisma]

Carichi concentrati

Oggetto	X [m]	Y [m]	N [kN]	Mx [kNm]	My [kNm]	Tx [kN]	Ty [kN]
Piastra	11,50	11,50	7707,000	0,000	0,000	1320,000	0,000
Piastra	14,50	11,50	31200,000	0,000	0,000	50,000	0,000
Piastra	8,50	11,50	-31200,000	0,000	0,000	-50,000	0,000

Condizione n° 3 - Condizione 3 [Variabile - $\Psi_0=1.00$ $\Psi_1=1.00$ $\Psi_2=1.00$ - Partecipa al sisma]

Carichi concentrati

Oggetto	X [m]	Y [m]	N [kN]	Mx [kNm]	My [kNm]	Tx [kN]	Ty [kN]
Piastra	11,50	11,50	7545,000	0,000	0,000	1010,000	0,000
Piastra	11,50	8,50	-23350,000	0,000	0,000	-835,000	0,000
Piastra	11,50	14,50	23350,000	0,000	0,000	835,000	0,000

Normativa - Coefficienti di sicurezza

Coefficienti parziali per le azioni o per l'effetto delle azioni

CARICHI	EFFETTO	Coefficiente parziale	(A1) - STR
Permanenti	Favorevole	$\gamma_{G1, fav}$	1.00
Permanenti	Sfavorevole	$\gamma_{G1, sfav}$	1.30
Permanenti non strutturali	Favorevole	$\gamma_{G2, fav}$	0.80
Permanenti non strutturali	Sfavorevole	$\gamma_{G2, sfav}$	1.50
Variabili	Favorevole	$\gamma_{Q, fav}$	0.00
Variabili	Sfavorevole	$\gamma_{Q, sfav}$	1.50
Variabili traffico	Favorevole	$\gamma_{Q, fav}$	0.00
Variabili traffico	Sfavorevole	$\gamma_{Q, sfav}$	1.35

Coefficienti parziali per i parametri geotecnici del terreno

PARAMETRO	GRANDEZZA	Coefficiente parziale	(M1)
Tangente dell'angolo di resistenza al taglio	$\tan \phi^k$	γ_ϕ	1.00
Coesione efficace	c^k	γ_c	1.00
Resistenza non drenata	c_{uk}	γ_{cu}	1.00

Coefficienti parziali γ_R per le verifiche agli stati limite ultimi di fondazioni superficiali

Coefficienti amplificativi γ_{Rd} in funzione della classe di duttilità

γ_{Rd}	Fondazione	Bicchieri
γ_{Rd}	1.10	1.20

Elenco combinazioni di calcolo

Numero combinazioni definite 4

Simbologia adottata

CP Coefficiente di partecipazione della condizione

Combinazione n° 1 - - STR - A1-M1-R3

Condizione	CP
Peso proprio	1.30
Condizione 1	1.00

Combinazione n° 2 - - STR - A1-M1-R3

Condizione	CP
Peso proprio	1.30
Condizione 2	1.00

Combinazione n° 3 - - STR - A1-M1-R3

Condizione	CP
Peso proprio	1.30
Condizione 3	1.00

Combinazione n° 4 - - STR - A1-M1-R3

Condizione	CP
Peso proprio	1.30

Impostazioni di analisi

Portanza fondazione superficiale

Metodo calcolo portanza: Hansen
Criterio di media calcolo strato equivalente: Ponderata
Riduzione portanza per effetto eccentricità: Meyerhof
Piastra infinitamente rigida

Fattore di rigidità della sovrastruttura 0.00

Modello

Caratteristiche Mesh

Numero elementi 792
Numero nodi 429

Risultati involuppo

Spostamenti

Piastra

Spostamenti massimi e minimi della piastra

Simbologia adottata

Ic Indice della combinazione
w Spostamento verticale, espresso in [cm]
u Spostamento direzione X, espresso in [cm]
v Spostamento direzione Y, espresso in [cm]
 ϕ_x Rotazione intorno all'asse X, espressa in [°]
 ϕ_y Rotazione intorno all'asse Y, espressa in [°]
p Pressione sul terreno (solo per calcolo fondazione), espressa in [kg/cm²]
kw Costante di Winkler (solo per calcolo fondazione), espressa in [kg/cm²/cm]. Il valore viene stampato solo se si è utilizzato il modello di interazione

Tra parentesi l'indice del nodo in cui si sono misurati i valori massimi e minimi

In	X [m]	Y [m]		Valore	UM	Cmb	
274	11,56	15,38	w	0,105206	[cm]	1	MAX
179	11,50	-2,50		-0,139550		1	MIN
222	11,50	11,50	ux	0,003781	[cm]	2	MAX
65	20,38	0,68		-0,000497		1	MIN
222	11,50	11,50	uy	0,005431	[cm]	1	MAX
10	25,23	8,77		-0,001345		3	MIN
263	10,21	11,62	ϕ_x	0,000179	[°]	2	MAX
185	14,39	15,02		-0,000089		1	MIN
227	12,41	20,75	ϕ_y	0,000078	[°]	1	MAX
210	11,57	10,30		-0,000286		1	MIN
274	11,56	15,38	p	2,602939	[kg/cm ²]	1	MAX
323	1,60	1,60		0,002201		2	MIN

Sollecitazioni

Piastra

Sollecitazioni massime e minime piastra

Simbologia adottata

In	Indice nodo modello
Mx	Momento X espresso in [kNm]
My	Momento Y espresso in [kNm]
Mxy	Momento XY espresso in [kNm]
Tx	Taglio X, espresso in [kN]
Ty	Taglio Y, espresso in [kN]
Nx	Tensione normale X espressa in [kg/cm ²]
Ny	Tensione normale Y espressa in [kg/cm ²]
Nxy	Tensione tangenziale XY espressa in [kg/cm ²]

In	X [m]	Y [m]		Valore	UM	Cmb	
271	11,50	14,50	Mx	14262,0296	[kNm]	1	MAX
197	11,50	8,50		-11427,8066		1	MIN
271	11,50	14,50	My	16487,2294	[kNm]	1	MAX
197	11,50	8,50		-13456,2470		1	MIN
273	9,38	11,01	Mxy	2406,0994	[kNm]	1	MAX
148	14,01	10,29		-2366,8042		1	MIN
203	12,72	11,90	Nx	0,60	[kg/cm ²]	2	MAX
263	10,21	11,62		-0,77		2	MIN
237	11,87	12,78	Ny	0,86	[kg/cm ²]	1	MAX
210	11,57	10,30		-1,08		1	MIN
203	12,72	11,90	Nxy	0,40	[kg/cm ²]	1	MAX
263	10,21	11,62		-0,47		1	MIN

Verifiche strutturali

Verifica a flessione

Piastra

Simbologia adottata

Is	Identificativo tratto-sezione-direzione (P: direzione principale, S: direzione secondaria)
A _{fi}	Area di armatura lembo inferiore espressa in [cm ²]
A _{fs}	Area di armatura lembo superiore espressa in [cm ²]
M _u	Momento ultimo espresso in [kNm]
N _u	Sforzo normale ultimo espresso in [kN]
FS	Fattore di sicurezza

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
1-1-P	8,04	8,04	-362,08	11,43	9.568
1-2-P	8,04	8,04	-362,66	11,09	4.540
1-3-P	8,04	8,04	-363,37	10,79	2.881
1-4-P	8,04	8,04	-364,22	10,52	2.063
1-5-P	16,08	16,08	-725,17	20,45	3.237
1-6-P	16,08	16,08	-725,52	19,96	2.712
1-7-P	16,08	16,08	-725,83	19,46	2.312
1-8-P	24,13	24,13	-1086,26	28,41	2.990
1-9-P	24,13	24,13	-1086,52	27,73	2.612
1-10-P	24,13	24,13	-1086,65	26,88	2.293
1-11-P	32,17	32,17	-1446,20	34,75	2.789
1-12-P	32,17	32,17	-1446,19	34,03	2.580
1-13-P	32,17	32,17	-1446,28	33,51	2.409
1-14-P	32,17	32,17	-1446,41	33,06	2.258
1-15-P	32,17	32,17	-1446,66	32,84	2.140
1-16-P	32,17	32,17	-1446,86	32,80	2.074
1-17-P	32,17	32,17	-1447,02	32,87	2.043
1-18-P	32,17	32,17	-1447,23	33,04	2.021
1-19-P	40,21	40,21	-1806,80	41,42	2.495
1-20-P	40,21	40,21	-1806,96	41,49	2.466
1-21-P	40,21	40,21	-1807,06	41,44	2.434
1-22-P	40,21	40,21	-1806,92	41,41	2.464
1-23-P	40,21	40,21	-1806,90	41,61	2.508
1-24-P	32,17	32,17	-1447,48	33,52	2.046
1-25-P	32,17	32,17	-1447,50	33,77	2.089
1-26-P	32,17	32,17	-1447,59	34,17	2.145
1-27-P	32,17	32,17	-1447,65	34,70	2.237
1-28-P	32,17	32,17	-1447,51	35,11	2.366
1-29-P	32,17	32,17	-1447,26	35,33	2.498
1-30-P	32,17	32,17	-1447,00	35,54	2.642
1-31-P	32,17	32,17	-1446,76	35,80	2.806
1-32-P	24,13	24,13	-1086,78	27,14	2.249
1-33-P	24,13	24,13	-1086,45	27,60	2.513
1-34-P	24,13	24,13	-1086,23	28,35	2.874
1-35-P	16,08	16,08	-725,84	19,49	2.222
1-36-P	16,08	16,08	-725,58	20,08	2.610
1-37-P	16,08	16,08	-725,38	20,85	3.142
1-38-P	8,04	8,04	-364,46	10,95	2.034
1-39-P	8,04	8,04	-363,67	11,35	2.864
1-40-P	8,04	8,04	-363,04	11,80	4.553
1-41-P	8,04	8,04	-362,55	12,32	9.684
2-1-P	16,08	8,04	-368,71	18,92	11.825
2-2-P	8,04	8,04	-366,84	16,77	5.084
2-3-P	16,08	16,08	-730,65	30,81	6.352
2-4-P	16,08	16,08	-730,89	29,14	4.588
2-5-P	24,13	24,13	-1093,76	41,63	5.257
2-6-P	32,17	32,17	-1456,04	53,12	5.558
2-7-P	32,17	32,17	-1455,90	50,64	4.494
2-8-P	40,21	40,21	-1816,67	59,64	4.655
2-9-P	40,21	40,21	-1815,26	56,82	4.304
2-10-P	40,21	40,21	-1814,08	54,61	4.052
2-11-P	40,21	40,21	-1813,14	52,84	3.841
2-12-P	40,21	40,21	-1812,35	51,36	3.658
2-13-P	40,21	40,21	-1811,69	50,13	3.497
2-14-P	40,21	40,21	-1810,96	48,76	3.333
2-15-P	40,21	40,21	-1810,16	47,26	3.168
2-16-P	40,21	40,21	-1809,30	45,64	3.007
2-17-P	40,21	40,21	-1808,41	43,96	2.850
2-18-P	40,21	40,21	-1807,54	42,34	2.708
2-19-P	40,21	40,21	-1806,76	40,87	2.580
2-20-P	40,21	40,21	-1806,09	39,62	2.470
2-21-P	40,21	40,21	-1805,56	38,63	2.384
2-22-P	40,21	40,21	-1805,21	37,97	2.325
2-23-P	40,21	40,21	-1804,96	37,49	2.282
2-24-P	40,21	40,21	-1804,77	37,13	2.249
2-25-P	40,21	40,21	-1804,63	36,87	2.225
2-26-P	40,21	40,21	-1804,63	36,88	2.222
2-27-P	40,21	40,21	-1804,68	36,96	2.225
2-28-P	40,21	40,21	-1804,70	37,00	2.226
2-29-P	40,21	40,21	-1804,68	36,98	2.223
2-30-P	40,21	40,21	-1804,66	36,94	2.220
2-31-P	40,21	40,21	-1804,65	36,91	2.218
2-32-P	40,21	40,21	-1804,92	37,43	2.257
2-33-P	40,21	40,21	-1805,22	37,98	2.299
2-34-P	40,21	40,21	-1805,50	38,50	2.338
2-35-P	40,21	40,21	-1805,77	39,01	2.377
2-36-P	40,21	40,21	-1806,03	39,50	2.414
2-37-P	40,21	40,21	-1806,32	40,04	2.457
2-38-P	40,21	40,21	-1806,70	40,75	2.515
2-39-P	40,21	40,21	-1807,11	41,52	2.579
2-40-P	40,21	40,21	-1807,59	42,42	2.653
2-41-P	40,21	40,21	-1808,10	43,38	2.736
2-42-P	40,21	40,21	-1808,87	44,83	2.857
2-43-P	40,21	40,21	-1809,92	46,81	3.022
2-44-P	40,21	40,21	-1811,16	49,12	3.216
2-45-P	40,21	40,21	-1812,54	51,72	3.436
2-46-P	40,21	40,21	-1814,10	54,66	3.686
2-47-P	40,21	40,21	-1815,52	57,31	3.936
2-48-P	40,21	40,21	1778,16	-12,27	4.149

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
2-49-P	40,21	40,21	1777,81	-12,90	4.219
2-50-P	40,21	40,21	1777,38	-13,51	4.324
2-51-P	32,17	32,17	1422,72	-11,16	3.873
2-52-P	32,17	32,17	1421,34	-11,49	4.465
2-53-P	24,13	24,13	1066,65	-8,87	3.955
2-54-P	16,08	16,08	711,99	-6,09	3.217
2-55-P	16,08	16,08	710,75	-6,28	4.117
2-56-P	8,04	8,04	356,11	-3,26	2.977
2-57-P	16,08	8,04	699,25	-6,57	11.746
3-1-P	8,04	8,04	-362,11	9,92	14.464
3-2-P	8,04	8,04	-363,81	9,59	6.962
3-3-P	16,08	16,08	-725,26	18,42	8.876
3-4-P	24,13	24,13	-1086,77	27,46	10.169
3-5-P	32,17	32,17	-1448,46	37,24	11.504
3-6-P	40,21	40,21	-1851,65	125,10	12.335
3-7-P	40,21	40,21	-1842,38	107,71	10.328
3-8-P	40,21	40,21	-1835,78	95,33	8.901
3-9-P	40,21	40,21	-1831,37	87,05	7.934
3-10-P	40,21	40,21	-1827,56	79,90	7.120
3-11-P	40,21	40,21	-1824,27	73,74	6.433
3-12-P	40,21	40,21	-1821,51	68,55	5.862
3-13-P	40,21	40,21	-1819,08	64,00	5.353
3-14-P	40,21	40,21	-1817,02	60,13	4.921
3-15-P	40,21	40,21	-1815,18	56,67	4.538
3-16-P	40,21	40,21	-1813,44	53,41	4.183
3-17-P	40,21	40,21	-1811,78	50,30	3.851
3-18-P	40,21	40,21	-1810,34	47,59	3.563
3-19-P	40,21	40,21	-1809,10	45,27	3.323
3-20-P	40,21	40,21	-1808,01	43,22	3.111
3-21-P	40,21	40,21	-1807,03	41,38	2.922
3-22-P	40,21	40,21	-1806,16	39,75	2.755
3-23-P	40,21	40,21	-1805,34	38,21	2.600
3-24-P	40,21	40,21	-1804,48	36,60	2.449
3-25-P	40,21	40,21	-1803,79	35,30	2.331
3-26-P	40,21	40,21	-1803,32	34,43	2.249
3-27-P	40,21	40,21	-1802,91	33,65	2.177
3-28-P	40,21	40,21	-1802,52	32,92	2.110
3-29-P	40,21	40,21	-1802,16	32,24	2.047
3-30-P	40,21	40,21	-1801,88	31,72	1.999
3-31-P	40,21	40,21	-1801,71	31,40	1.971
3-32-P	40,21	40,21	-1801,58	31,15	1.950
3-33-P	40,21	40,21	-1801,47	30,95	1.932
3-34-P	40,21	40,21	-1801,39	30,79	1.919
3-35-P	40,21	40,21	-1801,33	30,68	1.910
3-36-P	40,21	40,21	-1801,28	30,58	1.902
3-37-P	40,21	40,21	-1801,38	30,79	1.919
3-38-P	40,21	40,21	-1801,61	31,21	1.956
3-39-P	40,21	40,21	-1801,86	31,67	1.996
3-40-P	40,21	40,21	-1802,12	32,17	2.039
3-41-P	40,21	40,21	-1802,40	32,69	2.085
3-42-P	40,21	40,21	-1802,70	33,26	2.136
3-43-P	40,21	40,21	-1803,02	33,86	2.190
3-44-P	40,21	40,21	-1803,52	34,79	2.274
3-45-P	40,21	40,21	-1804,09	35,86	2.369
3-46-P	40,21	40,21	-1804,70	37,02	2.473
3-47-P	40,21	40,21	-1805,38	38,28	2.586
3-48-P	40,21	40,21	-1806,11	39,65	2.710
3-49-P	40,21	40,21	-1807,02	41,36	2.865
3-50-P	40,21	40,21	-1808,18	43,54	3.067
3-51-P	40,21	40,21	-1809,41	45,84	3.289
3-52-P	40,21	40,21	-1810,82	48,48	3.548
3-53-P	40,21	40,21	1780,40	-8,23	3.695
3-54-P	40,21	40,21	1780,11	-8,76	3.707
3-55-P	40,21	40,21	1779,82	-9,28	3.723
3-56-P	40,21	40,21	1779,53	-9,80	3.754
3-57-P	40,21	40,21	1779,20	-10,40	3.820
3-58-P	40,21	40,21	1778,81	-11,10	3.881
3-59-P	40,21	40,21	1778,38	-11,87	3.945
3-60-P	40,21	40,21	1777,92	-12,69	4.016
3-61-P	40,21	40,21	1777,47	-13,51	4.087
3-62-P	40,21	40,21	1777,01	-14,34	4.159
3-63-P	40,21	40,21	1776,63	-15,01	4.210
3-64-P	40,21	40,21	1776,34	-15,54	4.252
3-65-P	32,17	32,17	1421,58	-12,68	3.958
3-66-P	24,13	24,13	1066,78	-9,65	3.594
3-67-P	16,08	16,08	711,84	-6,49	3.124
3-68-P	8,04	8,04	356,66	-3,27	2.350
3-69-P	8,04	8,04	355,00	-3,28	4.680
4-1-P	16,08	16,08	716,67	8,28	20.848
4-2-P	16,08	16,08	718,96	8,32	10.511
4-3-P	24,13	24,13	1078,45	12,48	10.548
4-4-P	32,17	32,17	1437,79	16,63	10.729
4-5-P	40,21	40,21	-1805,47	38,45	11.861
4-6-P	40,21	40,21	-1804,02	35,74	11.069
4-7-P	40,21	40,21	-1802,76	33,36	10.380
4-8-P	40,21	40,21	-1801,47	30,94	9.826
4-9-P	40,21	40,21	-1800,57	29,26	9.695
4-10-P	40,21	40,21	-1799,79	27,79	9.693
4-11-P	40,21	40,21	-1798,98	26,28	9.737

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
4-12-P	40,21	40,21	-1798,00	24,44	9.737
4-13-P	40,21	40,21	-1796,96	22,48	9.569
4-14-P	40,21	40,21	-1795,92	20,53	9.372
4-15-P	40,21	40,21	-1829,26	83,10	8.095
4-16-P	40,21	40,21	-1824,32	73,82	7.024
4-17-P	40,21	40,21	-1820,60	66,85	6.215
4-18-P	40,21	40,21	-1817,34	60,73	5.492
4-19-P	40,21	40,21	-1814,58	55,55	4.885
4-20-P	40,21	40,21	-1812,24	51,16	4.378
4-21-P	40,21	40,21	-1810,34	47,60	3.967
4-22-P	40,21	40,21	-1808,75	44,61	3.623
4-23-P	40,21	40,21	-1807,38	42,04	3.331
4-24-P	40,21	40,21	-1806,30	40,00	3.100
4-25-P	40,21	40,21	-1805,27	38,07	2.891
4-26-P	40,21	40,21	-1804,24	36,15	2.690
4-27-P	40,21	40,21	-1803,25	34,29	2.502
4-28-P	40,21	40,21	-1802,37	32,64	2.337
4-29-P	40,21	40,21	-1801,60	31,19	2.192
4-30-P	40,21	40,21	-1800,92	29,91	2.063
4-31-P	40,21	40,21	-1800,34	28,82	1.953
4-32-P	40,21	40,21	-1799,88	27,96	1.867
4-33-P	40,21	40,21	-1799,56	27,37	1.809
4-34-P	40,21	40,21	-1799,41	27,08	1.781
4-35-P	40,21	40,21	-1799,26	26,81	1.752
4-36-P	40,21	40,21	-1799,12	26,53	1.725
4-37-P	40,21	40,21	-1798,98	26,27	1.698
4-38-P	40,21	40,21	-1798,84	26,02	1.672
4-39-P	40,21	40,21	-1798,72	25,79	1.649
4-40-P	40,21	40,21	-1798,66	25,67	1.638
4-41-P	40,21	40,21	-1798,68	25,70	1.644
4-42-P	40,21	40,21	-1798,84	26,02	1.680
4-43-P	40,21	40,21	-1799,07	26,44	1.725
4-44-P	40,21	40,21	-1799,30	26,87	1.772
4-45-P	40,21	40,21	-1799,54	27,33	1.823
4-46-P	40,21	40,21	-1799,80	27,81	1.874
4-47-P	40,21	40,21	-1800,06	28,31	1.928
4-48-P	40,21	40,21	-1800,37	28,89	1.989
4-49-P	40,21	40,21	-1800,82	29,72	2.076
4-50-P	40,21	40,21	-1801,36	30,74	2.185
4-51-P	40,21	40,21	-1802,01	31,96	2.317
4-52-P	40,21	40,21	-1802,80	33,45	2.477
4-53-P	40,21	40,21	-1803,73	35,19	2.666
4-54-P	40,21	40,21	-1804,81	37,21	2.883
4-55-P	40,21	40,21	-1806,06	39,56	3.136
4-56-P	40,21	40,21	1783,29	-3,04	3.138
4-57-P	40,21	40,21	1783,08	-3,42	3.139
4-58-P	40,21	40,21	1782,84	-3,85	3.149
4-59-P	40,21	40,21	1782,59	-4,30	3.186
4-60-P	40,21	40,21	1782,32	-4,78	3.253
4-61-P	40,21	40,21	1782,04	-5,29	3.329
4-62-P	40,21	40,21	1781,74	-5,82	3.408
4-63-P	40,21	40,21	1781,43	-6,39	3.485
4-64-P	40,21	40,21	1781,07	-7,03	3.555
4-65-P	40,21	40,21	1780,67	-7,74	3.620
4-66-P	40,21	40,21	1780,22	-8,57	3.683
4-67-P	40,21	40,21	1779,72	-9,46	3.745
4-68-P	40,21	40,21	1779,21	-10,37	3.808
4-69-P	40,21	40,21	1778,75	-11,20	3.866
4-70-P	40,21	40,21	1778,35	-11,92	3.917
4-71-P	40,21	40,21	1777,98	-12,59	3.958
4-72-P	40,21	40,21	1777,64	-13,20	3.996
4-73-P	40,21	40,21	1777,36	-13,71	4.030
4-74-P	40,21	40,21	1777,12	-14,14	4.064
4-75-P	32,17	32,17	1422,46	-11,50	3.697
4-76-P	24,13	24,13	1066,82	-8,84	3.775
4-77-P	16,08	16,08	711,13	-6,06	3.935
4-78-P	8,04	8,04	355,51	-3,12	4.109
5-1-P	16,08	16,08	721,11	15,66	12.792
5-2-P	16,08	16,08	724,91	17,59	6.759
5-3-P	32,17	32,17	1449,35	39,27	9.501
5-4-P	40,21	40,21	1814,65	55,19	10.430
5-5-P	40,21	40,21	1795,42	19,42	10.461
5-6-P	40,21	40,21	1795,52	19,61	10.318
5-7-P	40,21	40,21	1795,59	19,75	10.171
5-8-P	40,21	40,21	1795,63	19,82	10.033
5-9-P	40,21	40,21	-1795,10	19,00	9.641
5-10-P	40,21	40,21	-1793,95	16,84	9.144
5-11-P	40,21	40,21	-1792,71	14,51	8.764
5-12-P	40,21	40,21	-1791,53	12,30	8.415
5-13-P	40,21	40,21	-1790,40	10,17	8.069
5-14-P	40,21	40,21	-1789,35	8,20	7.745
5-15-P	40,21	40,21	-1788,47	6,55	7.494
5-16-P	40,21	40,21	-1787,80	5,29	7.251
5-17-P	40,21	40,21	-1787,11	4,01	7.001
5-18-P	40,21	40,21	-1786,43	2,72	6.757
5-19-P	40,21	40,21	-1785,75	1,46	6.534
5-20-P	40,21	40,21	-1785,08	0,19	6.336
5-21-P	40,21	40,21	-1784,68	-0,54	6.249
5-22-P	40,21	40,21	-1784,48	-0,90	6.184

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
5-23-P	40,21	40,21	-1814,90	56,14	5.355
5-24-P	40,21	40,21	-1811,87	50,47	4.652
5-25-P	40,21	40,21	-1809,55	46,10	4.105
5-26-P	40,21	40,21	-1807,71	42,65	3.668
5-27-P	40,21	40,21	-1805,94	39,33	3.267
5-28-P	40,21	40,21	-1803,91	35,52	2.850
5-29-P	40,21	40,21	-1802,43	32,75	2.547
5-30-P	40,21	40,21	-1801,34	30,71	2.322
5-31-P	40,21	40,21	-1800,52	29,17	2.152
5-32-P	40,21	40,21	-1799,89	27,99	2.019
5-33-P	40,21	40,21	-1799,35	26,97	1.906
5-34-P	40,21	40,21	-1798,83	25,99	1.802
5-35-P	40,21	40,21	-1798,32	25,04	1.706
5-36-P	40,21	40,21	-1797,86	24,17	1.620
5-37-P	40,21	40,21	-2052,14	30,23	1.759
5-38-P	40,21	40,21	-2051,63	29,39	1.685
5-39-P	40,21	48,25	-2455,09	34,49	1.953
5-40-P	40,21	48,25	-2454,87	34,14	1.921
5-41-P	40,21	48,25	-2454,80	34,02	1.913
5-42-P	40,21	48,25	-2454,78	33,99	1.915
5-43-P	40,21	40,21	-2051,02	28,39	1.603
5-44-P	40,21	48,25	-2454,77	33,97	1.923
5-45-P	40,21	48,25	-2454,77	33,96	1.927
5-46-P	40,21	48,25	-2454,79	34,01	1.936
5-47-P	40,21	48,25	-2455,05	34,43	1.981
5-48-P	40,21	40,21	-2051,58	29,31	1.715
5-49-P	40,21	40,21	-2051,98	29,97	1.786
5-50-P	40,21	40,21	-1797,67	23,82	1.639
5-51-P	40,21	40,21	-1798,08	24,58	1.728
5-52-P	40,21	40,21	-1798,52	25,42	1.827
5-53-P	40,21	40,21	-1799,02	26,35	1.938
5-54-P	40,21	40,21	-1799,53	27,31	2.061
5-55-P	40,21	40,21	-1800,10	28,37	2.200
5-56-P	40,21	40,21	-1800,78	29,66	2.367
5-57-P	40,21	40,21	-1801,62	31,22	2.570
5-58-P	40,21	40,21	1784,73	-0,45	2.600
5-59-P	40,21	40,21	1784,77	-0,37	2.599
5-60-P	40,21	40,21	1784,83	-0,26	2.596
5-61-P	40,21	40,21	1784,89	-0,16	2.629
5-62-P	40,21	40,21	1784,93	-0,09	2.703
5-63-P	40,21	40,21	1784,92	-0,10	2.771
5-64-P	40,21	40,21	1784,86	-0,21	2.832
5-65-P	40,21	40,21	1784,75	-0,40	2.887
5-66-P	40,21	40,21	1784,59	-0,70	2.935
5-67-P	40,21	40,21	1784,42	-1,00	2.982
5-68-P	40,21	40,21	1784,21	-1,37	3.038
5-69-P	40,21	40,21	1783,85	-2,04	3.134
5-70-P	40,21	40,21	1783,46	-2,74	3.229
5-71-P	40,21	40,21	1783,06	-3,46	3.317
5-72-P	40,21	40,21	1782,65	-4,20	3.397
5-73-P	40,21	40,21	1782,23	-4,94	3.469
5-74-P	40,21	40,21	1781,78	-5,75	3.532
5-75-P	40,21	40,21	1781,24	-6,72	3.592
5-76-P	40,21	40,21	1780,69	-7,71	3.661
5-77-P	40,21	40,21	1780,11	-8,76	3.746
5-78-P	40,21	40,21	1779,55	-9,76	3.846
5-79-P	40,21	40,21	1779,09	-10,59	4.004
5-80-P	40,21	40,21	1778,74	-11,22	4.199
5-81-P	40,21	40,21	1778,37	-11,89	4.416
5-82-P	40,21	40,21	1777,93	-12,69	4.643
5-83-P	32,17	32,17	1422,38	-10,53	4.689
5-84-P	16,08	16,08	712,47	-5,37	3.651
5-85-P	8,04	8,04	356,21	-2,73	3.785
6-1-P	24,13	24,13	1075,19	12,77	11.830
6-2-P	24,13	24,13	1079,46	14,39	6.164
6-3-P	40,21	40,21	1799,16	26,65	7.258
6-4-P	40,21	40,21	1799,83	27,63	7.112
6-5-P	40,21	40,21	1800,31	28,52	7.049
6-6-P	40,21	40,21	1800,76	29,37	7.010
6-7-P	40,21	40,21	1801,29	30,35	7.046
6-8-P	40,21	40,21	1802,28	32,18	7.226
6-9-P	40,21	40,21	1803,62	34,68	7.494
6-10-P	40,21	40,21	1805,08	37,40	7.795
6-11-P	40,21	40,21	1806,95	40,88	8.181
6-12-P	40,21	40,21	-1784,88	-0,18	7.897
6-13-P	40,21	40,21	-1783,77	-2,19	7.234
6-14-P	40,21	40,21	-1782,87	-3,82	6.754
6-15-P	40,21	40,21	-1782,12	-5,18	6.426
6-16-P	40,21	40,21	-1781,46	-6,37	6.199
6-17-P	40,21	40,21	-1780,91	-7,37	6.005
6-18-P	40,21	40,21	-1780,61	-7,91	5.836
6-19-P	40,21	40,21	-1780,49	-8,11	5.619
6-20-P	40,21	40,21	-1780,50	-8,11	5.378
6-21-P	40,21	40,21	-1780,60	-7,93	5.123
6-22-P	40,21	40,21	-1780,78	-7,59	4.862
6-23-P	40,21	40,21	-1781,05	-7,11	4.612
6-24-P	40,21	40,21	-1781,43	-6,43	4.519
6-25-P	40,21	40,21	-1781,80	-5,75	4.426
6-26-P	40,21	40,21	-1782,14	-5,13	4.329

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
6-27-P	40,21	40,21	-1782,45	-4,57	4.232
6-28-P	40,21	40,21	-2030,42	-5,44	4.709
6-29-P	40,21	48,25	-2474,49	66,71	5.315
6-30-P	40,21	48,25	-2782,34	74,03	5.086
6-31-P	40,21	56,30	-3231,89	77,44	5.130
6-32-P	40,21	56,30	-3591,85	87,03	5.035
6-33-P	40,21	56,30	-3586,97	80,47	4.501
6-34-P	40,21	56,30	-3948,50	90,75	4.481
6-35-P	40,21	56,30	-3943,48	84,58	4.046
6-36-P	40,21	56,30	-4304,51	93,01	3.975
6-37-P	40,21	48,25	-3694,16	75,26	3.140
6-38-P	40,21	56,30	-4296,28	83,72	3.422
6-39-P	40,21	48,25	-3689,11	69,58	2.795
6-40-P	40,21	48,25	-3687,23	67,48	2.665
6-41-P	40,21	48,25	-3685,55	65,59	2.549
6-42-P	40,21	40,21	-3079,65	53,63	2.064
6-43-P	40,21	40,21	-3078,72	52,64	2.014
6-44-P	40,21	40,21	-3077,95	51,80	1.972
6-45-P	40,21	40,21	-3077,49	51,31	1.949
6-46-P	40,21	40,21	-3077,31	51,11	1.943
6-47-P	40,21	40,21	-3077,27	51,08	1.946
6-48-P	40,21	40,21	-3077,51	51,33	1.965
6-49-P	40,21	40,21	-3078,30	52,18	2.019
6-50-P	40,21	40,21	-3079,50	53,47	2.098
6-51-P	40,21	48,25	-3685,57	65,60	2.614
6-52-P	40,21	48,25	-3687,08	67,30	2.733
6-53-P	40,21	48,25	-3688,67	69,09	2.870
6-54-P	40,21	56,30	-4295,39	82,72	3.519
6-55-P	40,21	48,25	-3693,01	73,96	3.234
6-56-P	40,21	56,30	3036,52	-0,05	3.548
6-57-P	40,21	56,30	2787,25	0,21	3.160
6-58-P	40,21	56,30	2787,66	0,70	3.152
6-59-P	40,21	56,30	2538,44	1,11	2.906
6-60-P	40,21	56,30	2538,83	1,61	2.934
6-61-P	40,21	56,30	2289,29	1,68	2.666
6-62-P	40,21	48,25	2287,13	2,04	2.676
6-63-P	40,21	48,25	2037,68	1,87	2.391
6-64-P	40,21	40,21	2035,18	2,20	2.422
6-65-P	40,21	40,21	1785,98	1,86	2.181
6-66-P	40,21	40,21	1786,12	2,13	2.237
6-67-P	40,21	40,21	1786,27	2,41	2.295
6-68-P	40,21	40,21	1786,43	2,71	2.354
6-69-P	40,21	40,21	1786,60	3,02	2.414
6-70-P	40,21	40,21	1786,73	3,25	2.469
6-71-P	40,21	40,21	1786,75	3,30	2.571
6-72-P	40,21	40,21	1786,71	3,23	2.683
6-73-P	40,21	40,21	1786,61	3,04	2.790
6-74-P	40,21	40,21	1786,45	2,73	2.892
6-75-P	40,21	40,21	1786,24	2,36	2.993
6-76-P	40,21	40,21	1786,03	1,95	3.099
6-77-P	40,21	40,21	1785,75	1,45	3.209
6-78-P	40,21	40,21	1785,28	0,57	3.330
6-79-P	40,21	40,21	1784,77	-0,37	3.460
6-80-P	40,21	40,21	1784,22	-1,37	3.595
6-81-P	40,21	40,21	1783,63	-2,43	3.738
6-82-P	40,21	40,21	1782,99	-3,58	3.906
6-83-P	40,21	40,21	1782,33	-4,76	4.111
6-84-P	40,21	40,21	1781,73	-5,85	4.329
6-85-P	40,21	40,21	1781,07	-7,02	4.514
6-86-P	40,21	40,21	1780,45	-8,14	4.714
6-87-P	40,21	40,21	1779,89	-9,15	4.937
6-88-P	40,21	40,21	1779,27	-10,27	5.182
6-89-P	40,21	40,21	1778,47	-11,44	5.514
6-90-P	24,13	24,13	1067,74	-7,17	5.056
6-91-P	8,04	8,04	356,87	-2,50	3.525
7-1-P	32,17	32,17	1429,53	10,00	11.073
7-2-P	32,17	32,17	1434,09	10,93	5.486
7-3-P	40,21	40,21	1792,81	14,56	5.595
7-4-P	40,21	40,21	1793,14	15,18	5.580
7-5-P	40,21	40,21	1793,46	15,78	5.564
7-6-P	40,21	40,21	1793,74	16,29	5.562
7-7-P	40,21	40,21	1794,00	16,79	5.581
7-8-P	40,21	40,21	1794,26	17,26	5.607
7-9-P	40,21	40,21	1794,51	17,74	5.640
7-10-P	40,21	40,21	1794,78	18,24	5.677
7-11-P	40,21	40,21	1795,06	18,75	5.705
7-12-P	40,21	40,21	1795,53	19,63	5.761
7-13-P	40,21	40,21	1796,62	21,66	5.973
7-14-P	40,21	40,21	1797,93	24,09	6.241
7-15-P	40,21	40,21	-1776,37	-15,58	6.330
7-16-P	40,21	40,21	-1775,99	-16,26	5.901
7-17-P	40,21	40,21	-1775,77	-16,66	5.502
7-18-P	40,21	40,21	-1776,08	-16,11	5.053
7-19-P	40,21	40,21	-1776,77	-14,86	4.629
7-20-P	40,21	40,21	-1777,41	-13,70	4.378
7-21-P	40,21	40,21	-1778,00	-12,63	4.146
7-22-P	40,21	40,21	-1778,53	-11,67	3.935
7-23-P	40,21	40,21	-1778,99	-10,84	3.745
7-24-P	40,21	40,21	-1779,40	-10,10	3.572

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
7-25-P	40,21	48,25	-2425,07	-14,79	4.644
7-26-P	40,21	48,25	-2720,23	-17,40	5.133
7-27-P	40,21	56,30	-3509,51	-22,92	6.511
7-28-P	40,21	64,34	-4003,16	-23,92	7.275
7-29-P	40,21	72,38	-4934,60	-28,93	8.748
7-30-P	40,21	72,38	-5376,82	-30,13	9.272
7-31-P	40,21	64,34	-4792,21	-24,23	8.197
7-32-P	40,21	56,30	-4204,13	-19,46	7.296
7-33-P	40,21	48,25	-3613,09	-15,18	6.344
7-34-P	40,21	40,21	-3111,70	88,31	4.572
7-35-P	40,21	40,21	-3104,45	80,25	3.994
7-36-P	40,21	40,21	-3098,80	74,18	3.561
7-37-P	40,21	40,21	-3092,85	67,80	3.147
7-38-P	40,21	40,21	-3087,57	62,13	2.793
7-39-P	40,21	40,21	-3083,32	57,57	2.508
7-40-P	40,21	40,21	-3079,84	53,83	2.276
7-41-P	40,21	40,21	-3076,95	50,73	2.083
7-42-P	40,21	40,21	-3074,60	48,20	1.927
7-43-P	40,21	40,21	-3072,43	45,89	1.805
7-44-P	40,21	40,21	-3071,00	44,35	1.728
7-45-P	40,21	40,21	-3070,15	43,44	1.681
7-46-P	40,21	40,21	-3069,41	42,63	1.640
7-47-P	40,21	40,21	-3068,65	41,83	1.598
7-48-P	40,21	40,21	-3067,94	41,06	1.559
7-49-P	40,21	40,21	-3067,80	40,91	1.556
7-50-P	40,21	40,21	-3068,37	41,52	1.599
7-51-P	40,21	40,21	-3069,01	42,21	1.647
7-52-P	40,21	40,21	-3069,69	42,94	1.700
7-53-P	40,21	40,21	-3070,42	43,72	1.756
7-54-P	40,21	40,21	-3071,27	44,63	1.821
7-55-P	40,21	40,21	-3072,72	46,20	1.934
7-56-P	40,21	40,21	-3074,99	48,62	2.113
7-57-P	40,21	40,21	-3077,74	51,58	2.328
7-58-P	40,21	40,21	-3080,84	54,90	2.570
7-59-P	40,21	40,21	3031,10	1,57	2.768
7-60-P	40,21	40,21	3031,24	1,73	2.698
7-61-P	40,21	40,21	3031,64	2,17	2.671
7-62-P	40,21	40,21	3032,33	2,93	2.685
7-63-P	40,21	40,21	3033,23	3,93	2.709
7-64-P	40,21	48,25	3038,07	5,11	2.743
7-65-P	40,21	56,30	3042,34	6,35	2.774
7-66-P	40,21	64,34	3046,05	7,53	2.825
7-67-P	40,21	72,38	3049,49	8,59	2.929
7-68-P	40,21	72,38	2798,49	8,33	2.783
7-69-P	40,21	64,34	2545,75	7,79	2.617
7-70-P	40,21	56,30	2544,15	8,57	2.695
7-71-P	40,21	48,25	2416,15	8,05	2.630
7-72-P	40,21	48,25	2040,55	6,56	2.278
7-73-P	40,21	40,21	1787,84	5,32	2.082
7-74-P	40,21	40,21	1788,03	5,67	2.184
7-75-P	40,21	40,21	1788,23	6,06	2.296
7-76-P	40,21	40,21	1788,46	6,48	2.419
7-77-P	40,21	40,21	1788,72	6,97	2.554
7-78-P	40,21	40,21	1788,93	7,36	2.689
7-79-P	40,21	40,21	1789,09	7,66	2.822
7-80-P	40,21	40,21	1789,19	7,83	2.981
7-81-P	40,21	40,21	1788,97	7,43	3.138
7-82-P	40,21	40,21	1788,65	6,82	3.302
7-83-P	40,21	40,21	1788,30	6,17	3.497
7-84-P	40,21	40,21	1787,90	5,44	3.721
7-85-P	40,21	40,21	1787,47	4,64	3.973
7-86-P	40,21	40,21	1786,98	3,72	4.259
7-87-P	40,21	40,21	1786,35	2,56	4.549
7-88-P	40,21	40,21	1785,48	0,94	4.774
7-89-P	40,21	40,21	1784,46	-0,94	5.015
7-90-P	40,21	40,21	1783,26	-3,09	5.281
7-91-P	40,21	40,21	1792,45	13,91	5.434
7-92-P	40,21	40,21	1792,66	14,30	5.595
7-93-P	40,21	40,21	1792,72	14,39	5.764
7-94-P	40,21	40,21	1792,77	14,49	5.943
7-95-P	32,17	32,17	1434,22	11,17	5.878
7-96-P	16,08	16,08	716,90	5,10	5.821
8-1-P	32,17	32,17	1428,29	5,93	8.714
8-2-P	32,17	32,17	1433,13	6,71	4.648
8-3-P	40,21	40,21	1789,57	8,54	5.249
8-4-P	40,21	40,21	1789,60	8,60	4.978
8-5-P	40,21	40,21	1789,62	8,64	4.732
8-6-P	40,21	40,21	1789,66	8,72	4.603
8-7-P	40,21	40,21	1789,72	8,82	4.588
8-8-P	40,21	40,21	1789,77	8,91	4.579
8-9-P	40,21	40,21	1789,85	9,06	4.587
8-10-P	40,21	40,21	1789,94	9,23	4.584
8-11-P	40,21	40,21	1790,14	9,60	4.584
8-12-P	40,21	40,21	1790,36	10,01	4.572
8-13-P	40,21	40,21	1790,59	10,44	4.555
8-14-P	40,21	40,21	1790,83	10,89	4.543
8-15-P	40,21	40,21	1791,09	11,38	4.542
8-16-P	40,21	40,21	1791,65	12,42	4.627
8-17-P	40,21	40,21	1792,46	13,93	4.758

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
8-18-P	40,21	40,21	-1771,40	-24,57	4.828
8-19-P	40,21	40,21	-1772,72	-22,18	4.379
8-20-P	40,21	40,21	-1773,92	-20,01	3.989
8-21-P	40,21	40,21	-1774,94	-18,17	3.659
8-22-P	40,21	40,21	-1775,72	-16,75	3.419
8-23-P	40,21	40,21	-2020,91	-20,56	3.726
8-24-P	40,21	56,30	-3156,81	-33,17	5.516
8-25-P	40,21	64,34	-3989,39	-41,82	6.553
8-26-P	40,21	72,38	-4916,90	-49,99	7.544
8-27-P	40,21	80,42	-5939,77	-57,14	8.473
8-28-P	40,21	72,38	-5361,18	-47,21	7.419
8-29-P	40,21	56,30	-4190,38	-34,35	5.735
8-30-P	40,21	48,25	-3601,63	-27,54	4.861
8-31-P	40,21	40,21	-3009,05	-21,60	3.993
8-32-P	40,21	40,21	-3010,01	-20,60	3.913
8-33-P	40,21	40,21	-3011,04	-19,52	3.892
8-34-P	40,21	40,21	-3011,76	-18,77	3.903
8-35-P	40,21	40,21	-3012,20	-18,30	3.901
8-36-P	40,21	40,21	-3012,55	-17,94	3.891
8-37-P	40,21	40,21	-3012,82	-17,65	3.860
8-38-P	40,21	40,21	-3013,28	-17,17	3.932
8-39-P	40,21	40,21	-3088,66	63,30	3.178
8-40-P	40,21	40,21	-3081,84	55,98	2.680
8-41-P	40,21	40,21	-3077,31	51,12	2.349
8-42-P	40,21	40,21	-3074,09	47,66	2.113
8-43-P	40,21	40,21	-3071,66	45,06	1.937
8-44-P	40,21	40,21	-3069,06	42,26	1.776
8-45-P	40,21	40,21	-3066,49	39,51	1.631
8-46-P	40,21	40,21	-3064,27	37,12	1.504
8-47-P	40,21	40,21	-3062,36	35,07	1.396
8-48-P	40,21	40,21	-3060,83	33,42	1.308
8-49-P	40,21	40,21	-3059,70	32,21	1.244
8-50-P	40,21	40,21	-3059,01	31,47	1.211
8-51-P	40,21	40,21	-3059,24	31,72	1.234
8-52-P	40,21	40,21	-3059,46	31,96	1.258
8-53-P	40,21	40,21	-3059,63	32,14	1.280
8-54-P	40,21	40,21	-3059,79	32,32	1.302
8-55-P	40,21	40,21	-3060,23	32,79	1.350
8-56-P	40,21	40,21	-3061,35	33,99	1.464
8-57-P	40,21	40,21	-3062,63	35,36	1.598
8-58-P	40,21	40,21	-3063,93	36,75	1.737
8-59-P	40,21	40,21	-3065,47	38,41	1.903
8-60-P	40,21	40,21	-3067,51	40,60	2.123
8-61-P	40,21	40,21	3034,97	5,86	2.249
8-62-P	40,21	40,21	3035,52	6,47	2.214
8-63-P	40,21	40,21	3035,96	6,96	2.213
8-64-P	40,21	40,21	3036,39	7,44	2.209
8-65-P	40,21	40,21	3036,81	7,91	2.204
8-66-P	40,21	40,21	3037,23	8,37	2.196
8-67-P	40,21	40,21	3037,79	8,99	2.197
8-68-P	40,21	40,21	3038,62	9,91	2.218
8-69-P	40,21	40,21	3039,25	10,61	2.301
8-70-P	40,21	40,21	3040,05	11,50	2.383
8-71-P	40,21	40,21	3041,05	12,61	2.464
8-72-P	40,21	48,25	3046,00	13,87	2.548
8-73-P	40,21	56,30	3050,44	15,26	2.638
8-74-P	40,21	72,38	3057,22	16,75	2.734
8-75-P	40,21	80,42	3060,78	18,54	2.871
8-76-P	40,21	72,38	2806,36	17,66	2.799
8-77-P	40,21	64,34	2552,29	16,32	2.701
8-78-P	40,21	56,30	2298,17	14,55	2.572
8-79-P	40,21	40,21	2041,40	12,39	2.408
8-80-P	40,21	40,21	1790,36	10,01	2.216
8-81-P	40,21	40,21	1790,74	10,72	2.342
8-82-P	40,21	40,21	1791,28	11,72	2.533
8-83-P	40,21	40,21	1791,96	12,99	2.775
8-84-P	40,21	40,21	1792,72	14,41	3.057
8-85-P	40,21	40,21	1793,23	15,36	3.329
8-86-P	40,21	40,21	1793,32	15,52	3.564
8-87-P	40,21	40,21	1793,16	15,22	3.787
8-88-P	40,21	40,21	1792,97	14,87	4.037
8-89-P	40,21	40,21	1792,68	14,33	4.326
8-90-P	40,21	40,21	1787,20	4,13	4.390
8-91-P	40,21	40,21	1787,43	4,57	4.496
8-92-P	40,21	40,21	1787,72	5,10	4.615
8-93-P	40,21	40,21	1788,02	5,66	4.730
8-94-P	40,21	40,21	1788,34	6,25	4.850
8-95-P	40,21	40,21	1788,67	6,87	4.974
8-96-P	40,21	40,21	1788,95	7,40	5.091
8-97-P	40,21	40,21	1789,14	7,75	5.205
8-98-P	40,21	40,21	1789,23	7,91	5.336
8-99-P	40,21	40,21	1789,28	8,01	5.475
8-100-P	32,17	32,17	1432,97	6,40	4.712
8-101-P	16,08	16,08	716,76	2,87	4.361
9-1-P	40,21	40,21	1782,98	3,74	9.403
9-2-P	40,21	40,21	1787,40	4,51	5.573
9-3-P	40,21	40,21	1787,43	4,56	5.295
9-4-P	40,21	40,21	1787,46	4,61	5.039
9-5-P	40,21	40,21	1787,48	4,66	4.801

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
9-6-P	40,21	40,21	1787,54	4,76	4.588
9-7-P	40,21	40,21	1787,58	4,84	4.429
9-8-P	40,21	40,21	1787,58	4,84	4.339
9-9-P	40,21	40,21	1787,59	4,87	4.259
9-10-P	40,21	40,21	1787,62	4,91	4.173
9-11-P	40,21	40,21	1787,64	4,95	4.085
9-12-P	40,21	40,21	1787,66	4,99	4.003
9-13-P	40,21	40,21	1787,82	5,29	3.965
9-14-P	40,21	40,21	1788,01	5,64	3.941
9-15-P	40,21	40,21	1788,20	5,99	3.919
9-16-P	40,21	40,21	1788,37	6,30	3.869
9-17-P	40,21	40,21	1788,51	6,57	3.785
9-18-P	40,21	40,21	1788,64	6,81	3.682
9-19-P	40,21	40,21	1789,05	7,58	3.662
9-20-P	40,21	40,21	1789,62	8,63	3.686
9-21-P	40,21	40,21	-1771,81	-23,83	3.494
9-22-P	40,21	48,25	2044,92	13,67	4.267
9-23-P	40,21	64,34	2557,05	22,53	5.330
9-24-P	40,21	72,38	3074,22	34,70	6.387
9-25-P	40,21	80,42	3079,30	38,05	6.522
9-26-P	40,21	72,38	3082,47	43,41	6.820
9-27-P	40,21	56,30	-4174,92	-51,08	5.074
9-28-P	40,21	48,25	-3590,09	-39,98	4.119
9-29-P	40,21	40,21	-2999,67	-31,42	3.262
9-30-P	40,21	40,21	-3000,48	-30,58	3.138
9-31-P	40,21	40,21	-3000,89	-30,15	3.042
9-32-P	40,21	40,21	-3001,12	-29,90	2.975
9-33-P	40,21	40,21	-3001,26	-29,76	2.929
9-34-P	40,21	40,21	-3001,96	-29,03	2.918
9-35-P	40,21	40,21	-3002,87	-28,07	2.895
9-36-P	40,21	40,21	-3003,83	-27,07	2.854
9-37-P	40,21	40,21	-3004,81	-26,04	2.798
9-38-P	40,21	40,21	-3005,59	-25,22	2.745
9-39-P	40,21	40,21	-3006,10	-24,70	2.849
9-40-P	40,21	40,21	-3006,53	-24,24	2.964
9-41-P	40,21	40,21	-3006,88	-23,88	3.073
9-42-P	40,21	40,21	-3078,02	51,89	2.610
9-43-P	40,21	40,21	-3073,74	47,28	2.228
9-44-P	40,21	40,21	-3070,64	43,95	1.935
9-45-P	40,21	40,21	-3065,31	38,24	1.633
9-46-P	40,21	40,21	-3061,30	33,94	1.418
9-47-P	40,21	40,21	-3058,55	30,98	1.265
9-48-P	40,21	40,21	-3056,61	28,90	1.152
9-49-P	40,21	40,21	-3054,94	27,10	1.060
9-50-P	40,21	48,25	-3654,60	30,81	1.191
9-51-P	40,21	48,25	-3653,22	29,26	1.121
9-52-P	40,21	48,25	-3652,07	27,97	1.065
9-53-P	40,21	48,25	-3651,77	27,64	1.063
9-54-P	40,21	48,25	-3652,13	28,03	1.108
9-55-P	40,21	48,25	-3652,62	28,58	1.168
9-56-P	40,21	40,21	-3052,48	24,47	1.046
9-57-P	40,21	40,21	-3053,06	25,09	1.140
9-58-P	40,21	40,21	-3053,69	25,76	1.264
9-59-P	40,21	40,21	-3054,52	26,65	1.432
9-60-P	40,21	40,21	-3055,55	27,76	1.651
9-61-P	40,21	40,21	3038,36	9,62	1.840
9-62-P	40,21	40,21	3039,05	10,39	1.801
9-63-P	40,21	40,21	3039,70	11,12	1.759
9-64-P	40,21	40,21	3040,35	11,84	1.714
9-65-P	40,21	40,21	3040,91	12,45	1.693
9-66-P	40,21	40,21	3041,46	13,07	1.707
9-67-P	40,21	40,21	3042,09	13,77	1.723
9-68-P	40,21	40,21	3042,86	14,62	1.745
9-69-P	40,21	40,21	3043,67	15,52	1.766
9-70-P	40,21	40,21	3044,48	16,41	1.789
9-71-P	40,21	40,21	3044,98	16,98	1.857
9-72-P	40,21	40,21	3045,48	17,53	1.941
9-73-P	40,21	40,21	3046,09	18,21	2.038
9-74-P	40,21	40,21	3046,92	19,13	2.140
9-75-P	40,21	40,21	3047,96	20,27	2.248
9-76-P	40,21	40,21	3048,99	21,42	2.374
9-77-P	40,21	48,25	3054,18	22,89	2.519
9-78-P	40,21	56,30	3059,27	24,97	2.673
9-79-P	40,21	72,38	3067,40	27,50	2.845
9-80-P	40,21	80,42	3071,95	30,30	3.032
9-81-P	40,21	72,38	3073,37	33,80	3.270
9-82-P	40,21	64,34	2560,83	27,46	3.019
9-83-P	40,21	48,25	2048,81	20,01	2.665
9-84-P	40,21	40,21	1794,01	16,80	2.543
9-85-P	40,21	40,21	1794,90	18,45	2.772
9-86-P	40,21	40,21	1795,93	20,38	3.039
9-87-P	40,21	40,21	1797,16	22,66	3.354
9-88-P	40,21	40,21	1784,19	-1,42	3.671
9-89-P	40,21	40,21	1784,15	-1,49	3.731
9-90-P	40,21	40,21	1784,27	-1,27	3.810
9-91-P	40,21	40,21	1784,41	-1,02	3.892
9-92-P	40,21	40,21	1784,56	-0,74	3.982
9-93-P	40,21	40,21	1784,72	-0,46	4.081
9-94-P	40,21	40,21	1784,89	-0,16	4.189

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
9-95-P	40,21	40,21	1785,07	0,18	4.295
9-96-P	40,21	40,21	1785,31	0,63	4.409
9-97-P	40,21	40,21	1785,60	1,17	4.504
9-98-P	40,21	40,21	1785,92	1,75	4.602
9-99-P	40,21	40,21	1786,27	2,40	4.717
9-100-P	40,21	40,21	1786,61	3,04	4.843
9-101-P	40,21	40,21	1786,82	3,44	5.032
9-102-P	40,21	40,21	1786,97	3,71	5.274
9-103-P	40,21	40,21	1787,14	4,02	5.545
9-104-P	24,13	24,13	1072,27	2,13	5.633
10-1-P	40,21	40,21	1783,12	2,16	8.539
10-2-P	40,21	40,21	1786,24	2,34	5.773
10-3-P	40,21	40,21	1786,21	2,29	5.456
10-4-P	40,21	40,21	1786,23	2,32	5.181
10-5-P	40,21	40,21	1786,24	2,35	4.961
10-6-P	40,21	40,21	1786,24	2,35	4.799
10-7-P	40,21	40,21	1786,21	2,29	4.674
10-8-P	40,21	40,21	1786,17	2,21	4.559
10-9-P	40,21	40,21	1786,14	2,17	4.335
10-10-P	40,21	40,21	1786,12	2,12	4.135
10-11-P	40,21	40,21	1786,11	2,10	3.962
10-12-P	40,21	40,21	1786,10	2,09	3.816
10-13-P	40,21	40,21	1786,12	2,13	3.699
10-14-P	40,21	40,21	1786,15	2,19	3.603
10-15-P	40,21	40,21	1786,27	2,41	3.513
10-16-P	40,21	40,21	1786,44	2,71	3.426
10-17-P	40,21	40,21	1786,59	3,00	3.328
10-18-P	40,21	40,21	1786,74	3,27	3.238
10-19-P	40,21	40,21	1786,88	3,54	3.155
10-20-P	40,21	40,21	1787,01	3,79	3.079
10-21-P	40,21	48,25	2290,13	6,41	3.869
10-22-P	40,21	64,34	2798,46	10,70	4.684
10-23-P	40,21	80,42	3056,68	14,21	5.073
10-24-P	40,21	80,42	3057,70	15,29	5.031
10-25-P	40,21	72,38	3056,84	16,35	4.992
10-26-P	40,21	56,30	3052,38	17,39	4.951
10-27-P	40,21	40,21	-2984,12	-47,70	3.340
10-28-P	40,21	40,21	-2987,11	-44,58	3.091
10-29-P	40,21	40,21	-2988,79	-42,82	2.893
10-30-P	40,21	40,21	-2989,87	-41,68	2.755
10-31-P	40,21	40,21	-2990,84	-40,67	2.635
10-32-P	40,21	40,21	-2991,71	-39,76	2.523
10-33-P	40,21	40,21	-2992,60	-38,83	2.409
10-34-P	40,21	40,21	-2993,80	-37,57	2.259
10-35-P	40,21	40,21	-2994,95	-36,37	2.137
10-36-P	40,21	40,21	-2995,80	-35,48	2.097
10-37-P	40,21	40,21	-2996,66	-34,58	2.060
10-38-P	40,21	40,21	-2997,43	-33,77	2.017
10-39-P	40,21	40,21	-2998,12	-33,05	1.965
10-40-P	40,21	40,21	-2998,33	-32,82	2.027
10-41-P	40,21	40,21	-2998,61	-32,54	2.091
10-42-P	40,21	40,21	-2999,42	-31,69	2.144
10-43-P	40,21	40,21	-3000,72	-30,33	2.235
10-44-P	40,21	40,21	-3002,51	-28,45	2.353
10-45-P	40,21	40,21	-3080,79	54,86	2.352
10-46-P	40,21	40,21	-3307,25	55,22	2.024
10-47-P	40,21	40,21	-3531,16	53,12	1.718
10-48-P	40,21	48,25	-4495,64	63,77	1.828
10-49-P	40,21	48,25	-4769,74	64,03	1.649
10-50-P	40,21	56,30	-5697,52	66,63	1.640
10-51-P	40,21	56,30	-5849,34	61,95	1.458
10-52-P	40,21	56,30	-6003,58	59,45	1.347
10-53-P	40,21	56,30	-5995,22	52,70	1.252
10-54-P	40,21	48,25	-5148,67	42,75	1.053
10-55-P	40,21	56,30	-5989,94	48,43	1.234
10-56-P	40,21	56,30	-5989,96	48,45	1.361
10-57-P	40,21	56,30	-5831,25	46,95	1.507
10-58-P	40,21	56,30	-5673,49	46,17	1.691
10-59-P	40,21	48,25	-4740,11	39,19	1.665
10-60-P	40,21	48,25	-4465,09	35,55	1.826
10-61-P	40,21	40,21	-3503,15	26,86	1.712
10-62-P	40,21	40,21	3263,99	12,34	1.529
10-63-P	40,21	40,21	3040,75	12,28	1.380
10-64-P	40,21	40,21	3042,34	14,05	1.350
10-65-P	40,21	40,21	3043,67	15,52	1.317
10-66-P	40,21	40,21	3044,82	16,79	1.288
10-67-P	40,21	40,21	3046,08	18,19	1.312
10-68-P	40,21	40,21	3047,06	19,28	1.337
10-69-P	40,21	40,21	3047,94	20,26	1.360
10-70-P	40,21	40,21	3048,68	21,08	1.393
10-71-P	40,21	40,21	3049,51	22,00	1.424
10-72-P	40,21	40,21	3050,44	23,03	1.454
10-73-P	40,21	40,21	3051,36	24,06	1.533
10-74-P	40,21	40,21	3052,38	25,18	1.632
10-75-P	40,21	40,21	3053,54	26,47	1.738
10-76-P	40,21	40,21	3054,86	27,94	1.851
10-77-P	40,21	40,21	3056,27	29,50	1.972
10-78-P	40,21	40,21	3056,91	30,21	2.095
10-79-P	40,21	40,21	3057,68	31,06	2.238

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
10-80-P	40,21	40,21	3058,63	32,12	2.407
10-81-P	40,21	40,21	3060,16	33,82	2.603
10-82-P	40,21	56,30	3070,42	37,23	2.849
10-83-P	40,21	72,38	3081,39	42,27	3.157
10-84-P	40,21	80,42	3089,14	48,42	3.532
10-85-P	40,21	80,42	3096,62	56,30	4.006
10-86-P	40,21	64,34	2836,39	55,86	4.191
10-87-P	40,21	48,25	2315,31	43,06	3.870
10-88-P	40,21	40,21	1783,19	-3,21	3.110
10-89-P	40,21	40,21	1783,10	-3,38	3.189
10-90-P	40,21	40,21	1783,01	-3,54	3.279
10-91-P	40,21	40,21	1782,92	-3,71	3.380
10-92-P	40,21	40,21	1782,86	-3,82	3.485
10-93-P	40,21	40,21	1782,88	-3,78	3.570
10-94-P	40,21	40,21	1782,96	-3,63	3.645
10-95-P	40,21	40,21	1783,08	-3,42	3.755
10-96-P	40,21	40,21	1783,25	-3,11	3.917
10-97-P	40,21	40,21	1783,48	-2,70	4.132
10-98-P	40,21	40,21	1783,73	-2,24	4.365
10-99-P	40,21	40,21	1784,01	-1,74	4.542
10-100-P	40,21	40,21	1784,30	-1,21	4.687
10-101-P	40,21	40,21	1784,63	-0,63	4.842
10-102-P	40,21	40,21	1784,99	0,01	5.005
10-103-P	40,21	40,21	1785,32	0,63	5.183
10-104-P	40,21	40,21	1785,48	0,94	5.388
10-105-P	40,21	40,21	1785,64	1,23	5.606
10-106-P	40,21	40,21	1785,82	1,57	5.836
10-107-P	24,13	24,13	1072,64	0,94	5.114
11-1-P	40,21	40,21	1785,51	1,16	6.732
11-2-P	40,21	40,21	1785,52	1,01	6.366
11-3-P	40,21	40,21	1785,48	0,93	6.067
11-4-P	40,21	40,21	1785,47	0,91	5.777
11-5-P	40,21	40,21	1785,42	0,83	5.511
11-6-P	40,21	40,21	1785,28	0,56	5.287
11-7-P	40,21	40,21	1785,15	0,32	5.082
11-8-P	40,21	40,21	1785,06	0,15	4.904
11-9-P	40,21	40,21	1784,99	0,03	4.745
11-10-P	40,21	40,21	1785,01	0,06	4.519
11-11-P	40,21	40,21	1785,07	0,17	4.321
11-12-P	40,21	40,21	1785,15	0,32	4.145
11-13-P	40,21	40,21	1785,23	0,47	3.990
11-14-P	40,21	40,21	1785,31	0,62	3.847
11-15-P	40,21	40,21	1785,35	0,70	3.654
11-16-P	40,21	40,21	1785,36	0,72	3.418
11-17-P	40,21	40,21	1785,40	0,78	3.229
11-18-P	40,21	40,21	1785,50	0,97	3.102
11-19-P	40,21	40,21	1785,66	1,26	3.020
11-20-P	40,21	40,21	2034,99	1,89	3.358
11-21-P	40,21	64,34	2792,65	3,78	4.464
11-22-P	40,21	80,42	3047,39	4,43	4.687
11-23-P	40,21	80,42	3047,13	4,15	4.516
11-24-P	40,21	80,42	3047,08	4,10	4.379
11-25-P	40,21	56,30	3040,65	4,49	4.284
11-26-P	40,21	40,21	-2965,63	-67,07	3.619
11-27-P	40,21	40,21	-2970,45	-62,02	3.343
11-28-P	40,21	40,21	-2974,17	-58,12	3.040
11-29-P	40,21	40,21	-2977,00	-55,16	2.754
11-30-P	40,21	40,21	-2979,28	-52,77	2.515
11-31-P	40,21	40,21	-2981,17	-50,80	2.316
11-32-P	40,21	40,21	-2982,58	-49,32	2.166
11-33-P	40,21	40,21	-2984,04	-47,79	2.024
11-34-P	40,21	40,21	-2985,65	-46,10	1.885
11-35-P	40,21	40,21	-2987,09	-44,59	1.769
11-36-P	40,21	40,21	-2988,50	-43,12	1.658
11-37-P	40,21	40,21	-2989,99	-41,56	1.549
11-38-P	40,21	40,21	-2990,64	-40,88	1.504
11-39-P	40,21	40,21	-2991,45	-40,03	1.473
11-40-P	40,21	56,30	-4173,76	-52,34	1.995
11-41-P	40,21	56,30	-4177,57	-48,21	1.993
11-42-P	40,21	56,30	-4902,21	-59,79	2.403
11-43-P	40,21	72,38	-7724,68	-98,69	3.897
11-44-P	56,30	80,42	-9015,70	-115,84	4.749
11-45-P	56,30	96,51	-11485,54	-145,20	6.420
11-46-P	56,30	104,55	-13273,21	-155,65	7.886
11-47-P	56,30	96,51	-12543,40	-135,67	8.173
11-48-P	56,30	88,47	-12396,76	438,13	8.021
11-49-P	56,30	80,42	-11211,87	349,78	5.655
11-50-P	56,30	64,34	-8934,76	233,08	3.454
11-51-P	56,30	56,30	-7717,85	131,64	1.945
11-52-P	56,30	56,30	-7659,35	95,97	1.426
11-53-P	56,30	56,30	-7624,48	74,70	1.130
11-54-P	56,30	72,38	-9737,32	78,29	1.238
11-55-P	56,30	72,38	-9718,52	66,25	1.121
11-56-P	56,30	72,38	-9716,37	64,88	1.275
11-57-P	56,30	56,30	-7586,39	51,48	1.229
11-58-P	56,30	56,30	-7590,44	53,94	1.643
11-59-P	56,30	56,30	-7596,31	57,52	2.225
11-60-P	56,30	64,34	-8668,38	66,28	3.053
11-61-P	56,30	80,42	7571,80	30,11	3.121

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
11-62-P	56,30	88,47	7586,90	35,98	2.921
11-63-P	56,30	96,51	7601,12	41,63	2.750
11-64-P	56,30	104,55	7456,86	47,12	2.596
11-65-P	56,30	96,51	6981,00	48,06	2.351
11-66-P	56,30	80,42	6580,97	46,98	2.143
11-67-P	40,21	72,38	4402,96	32,44	1.417
11-68-P	40,21	56,30	3585,38	26,32	1.170
11-69-P	40,21	56,30	3056,64	22,07	1.012
11-70-P	40,21	56,30	3058,97	24,63	1.041
11-71-P	40,21	40,21	3053,87	26,84	1.086
11-72-P	40,21	40,21	3055,27	28,39	1.129
11-73-P	40,21	40,21	3056,41	29,65	1.173
11-74-P	40,21	40,21	3057,73	31,12	1.261
11-75-P	40,21	40,21	3059,27	32,82	1.365
11-76-P	40,21	40,21	3061,04	34,79	1.476
11-77-P	40,21	40,21	3063,04	37,01	1.593
11-78-P	40,21	40,21	3064,89	39,07	1.731
11-79-P	40,21	40,21	3066,40	40,74	1.894
11-80-P	40,21	40,21	3068,18	42,72	2.080
11-81-P	40,21	40,21	3070,31	45,08	2.294
11-82-P	40,21	40,21	3072,86	47,91	2.541
11-83-P	40,21	40,21	3076,05	51,45	2.825
11-84-P	40,21	40,21	3081,19	57,15	3.130
11-85-P	40,21	56,30	3094,74	63,96	3.494
11-86-P	40,21	80,42	3111,41	71,88	3.951
11-87-P	40,21	80,42	3120,17	81,12	4.522
11-88-P	40,21	80,42	3031,18	-12,44	4.729
11-89-P	40,21	64,34	2780,62	-10,20	4.535
11-90-P	40,21	40,21	2030,35	-5,52	3.424
11-91-P	40,21	40,21	1782,50	-4,46	3.075
11-92-P	40,21	40,21	1782,37	-4,70	3.147
11-93-P	40,21	40,21	1782,27	-4,88	3.248
11-94-P	40,21	40,21	1782,21	-4,99	3.387
11-95-P	40,21	40,21	1782,22	-4,96	3.562
11-96-P	40,21	40,21	1782,31	-4,79	3.727
11-97-P	40,21	40,21	1782,43	-4,58	3.894
11-98-P	40,21	40,21	1782,58	-4,32	4.079
11-99-P	40,21	40,21	1782,74	-4,03	4.286
11-100-P	40,21	40,21	1782,92	-3,71	4.515
11-101-P	40,21	40,21	1783,12	-3,34	4.712
11-102-P	40,21	40,21	1783,38	-2,87	4.870
11-103-P	40,21	40,21	1783,72	-2,27	5.015
11-104-P	40,21	40,21	1784,07	-1,64	5.170
11-105-P	40,21	40,21	1784,44	-0,97	5.337
11-106-P	40,21	40,21	1784,67	-0,56	5.531
11-107-P	40,21	40,21	1784,77	-0,37	5.784
11-108-P	40,21	40,21	1784,90	-0,14	6.094
11-109-P	40,21	40,21	1784,96	0,13	6.530
12-1-P	40,21	40,21	1785,17	0,36	7.378
12-2-P	40,21	40,21	1785,10	0,22	6.938
12-3-P	40,21	40,21	1785,04	0,11	6.579
12-4-P	40,21	40,21	1784,99	0,03	6.279
12-5-P	40,21	40,21	1784,88	-0,17	6.063
12-6-P	40,21	40,21	1784,75	-0,41	5.889
12-7-P	40,21	40,21	1784,63	-0,62	5.694
12-8-P	40,21	40,21	1784,54	-0,79	5.487
12-9-P	40,21	40,21	1784,48	-0,90	5.263
12-10-P	40,21	40,21	1784,47	-0,92	4.988
12-11-P	40,21	40,21	1784,46	-0,93	4.738
12-12-P	40,21	40,21	1784,46	-0,93	4.516
12-13-P	40,21	40,21	1784,50	-0,87	4.324
12-14-P	40,21	40,21	1784,56	-0,75	4.153
12-15-P	40,21	40,21	1784,65	-0,59	3.912
12-16-P	40,21	40,21	1784,73	-0,45	3.661
12-17-P	40,21	40,21	1784,79	-0,33	3.440
12-18-P	40,21	40,21	1784,86	-0,21	3.249
12-19-P	40,21	40,21	1784,92	-0,10	3.079
12-20-P	40,21	64,34	2789,34	-0,15	4.551
12-21-P	40,21	80,42	3042,97	-0,22	4.686
12-22-P	40,21	80,42	3042,90	-0,30	4.489
12-23-P	40,21	80,42	3042,86	-0,34	4.329
12-24-P	40,21	56,30	3036,20	-0,38	4.173
12-25-P	40,21	40,21	3029,28	-0,43	4.031
12-26-P	40,21	40,21	-2953,27	-80,01	3.670
12-27-P	40,21	40,21	-2956,53	-76,59	3.339
12-28-P	40,21	40,21	-2961,02	-71,90	2.940
12-29-P	40,21	40,21	-2964,69	-68,05	2.624
12-30-P	40,21	40,21	-2967,66	-64,94	2.379
12-31-P	40,21	40,21	-2970,14	-62,35	2.181
12-32-P	40,21	40,21	-2972,25	-60,14	2.019
12-33-P	40,21	40,21	-2974,53	-57,75	1.856
12-34-P	40,21	40,21	-2977,11	-55,05	1.682
12-35-P	40,21	40,21	-2979,55	-52,49	1.524
12-36-P	40,21	40,21	-2981,89	-50,04	1.387
12-37-P	40,21	56,30	-4161,12	-66,03	1.783
12-38-P	40,21	56,30	-4166,65	-60,04	1.634
12-39-P	40,21	56,30	-4173,31	-52,83	1.506
12-40-P	40,21	64,34	-6193,19	-91,19	2.146
12-41-P	56,30	88,47	-10439,93	-171,19	3.557

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
12-42-P	56,30	112,59	-14455,32	-243,75	4.921
12-43-P	56,30	112,59	-14477,29	-230,08	5.036
12-44-P	56,30	104,55	-13471,03	-208,00	4.935
12-45-P	56,30	80,42	-10404,46	-161,58	4.058
12-46-P	56,30	56,30	-7303,91	-117,59	3.065
12-47-P	56,30	56,30	-7294,47	-123,19	3.383
12-48-P	56,30	56,30	-7286,44	-127,96	3.785
12-49-P	56,30	56,30	-7279,78	-131,91	4.287
12-50-P	56,30	56,30	-7890,09	236,68	4.636
12-51-P	56,30	56,30	-7767,60	161,98	2.857
12-52-P	56,30	56,30	-7693,47	116,77	1.936
12-53-P	56,30	56,30	-7644,67	87,01	1.402
12-54-P	56,30	56,30	-7616,25	69,69	1.125
12-55-P	56,30	56,30	-7602,92	61,55	1.050
12-56-P	56,30	56,30	-7596,50	57,64	1.101
12-57-P	56,30	56,30	-7594,35	56,33	1.256
12-58-P	56,30	56,30	-7597,83	58,45	1.606
12-59-P	56,30	56,30	-7605,09	62,88	2.310
12-60-P	56,30	56,30	-7598,40	58,80	2.849
12-61-P	56,30	56,30	7582,25	50,75	2.592
12-62-P	56,30	56,30	7594,39	58,42	2.366
12-63-P	56,30	56,30	7604,46	64,79	2.183
12-64-P	56,30	56,30	7604,45	64,78	2.079
12-65-P	56,30	56,30	7606,52	66,09	1.981
12-66-P	56,30	80,42	7635,91	68,75	1.895
12-67-P	56,30	104,55	7657,73	72,97	1.882
12-68-P	56,30	112,59	7672,03	79,15	1.878
12-69-P	56,30	112,59	7684,42	86,57	1.875
12-70-P	56,30	88,47	6994,20	80,48	1.788
12-71-P	56,30	64,34	5619,41	60,96	1.524
12-72-P	56,30	56,30	4271,22	39,91	1.226
12-73-P	56,30	56,30	4276,68	45,95	1.324
12-74-P	40,21	56,30	3070,29	37,08	1.040
12-75-P	40,21	40,21	3065,36	39,58	1.127
12-76-P	40,21	40,21	3067,58	42,05	1.234
12-77-P	40,21	40,21	3070,48	45,27	1.377
12-78-P	40,21	40,21	3073,37	48,47	1.540
12-79-P	40,21	40,21	3075,21	50,52	1.689
12-80-P	40,21	40,21	3077,66	53,23	1.864
12-81-P	40,21	40,21	3080,89	56,83	2.075
12-82-P	40,21	40,21	3084,99	61,37	2.343
12-83-P	40,21	40,21	3089,46	66,33	2.670
12-84-P	40,21	40,21	3093,38	70,68	3.054
12-85-P	40,21	40,21	3098,43	76,28	3.499
12-86-P	40,21	40,21	3105,58	84,22	3.962
12-87-P	40,21	56,30	3023,56	-13,80	4.347
12-88-P	40,21	80,42	3030,04	-13,63	4.510
12-89-P	40,21	80,42	3030,26	-13,40	4.681
12-90-P	40,21	80,42	3030,48	-13,17	4.881
12-91-P	40,21	64,34	2779,99	-10,92	4.689
12-92-P	40,21	40,21	1782,41	-4,61	3.133
12-93-P	40,21	40,21	1782,40	-4,64	3.270
12-94-P	40,21	40,21	1782,39	-4,66	3.427
12-95-P	40,21	40,21	1782,38	-4,67	3.607
12-96-P	40,21	40,21	1782,38	-4,68	3.815
12-97-P	40,21	40,21	1782,40	-4,63	4.043
12-98-P	40,21	40,21	1782,51	-4,44	4.243
12-99-P	40,21	40,21	1782,65	-4,19	4.435
12-100-P	40,21	40,21	1782,79	-3,94	4.628
12-101-P	40,21	40,21	1782,93	-3,69	4.824
12-102-P	40,21	40,21	1783,08	-3,42	5.038
12-103-P	40,21	40,21	1783,25	-3,11	5.270
12-104-P	40,21	40,21	1783,49	-2,68	5.494
12-105-P	40,21	40,21	1783,80	-2,12	5.698
12-106-P	40,21	40,21	1784,08	-1,61	5.907
12-107-P	40,21	40,21	1784,12	-1,54	6.194
12-108-P	40,21	40,21	1784,17	-1,45	6.512
12-109-P	40,21	40,21	1784,23	-1,34	6.868
12-110-P	40,21	40,21	1784,32	-1,18	7.279
13-1-P	40,21	40,21	1785,00	0,04	8.618
13-2-P	40,21	40,21	1784,94	-0,07	8.022
13-3-P	40,21	40,21	1784,89	-0,17	7.500
13-4-P	40,21	40,21	1784,84	-0,24	7.050
13-5-P	40,21	40,21	1784,74	-0,42	6.750
13-6-P	40,21	40,21	1784,59	-0,70	6.547
13-7-P	40,21	40,21	1784,45	-0,95	6.355
13-8-P	40,21	40,21	1784,36	-1,11	6.162
13-9-P	40,21	40,21	1784,34	-1,16	5.962
13-10-P	40,21	40,21	1784,35	-1,13	5.732
13-11-P	40,21	40,21	1784,39	-1,07	5.481
13-12-P	40,21	40,21	1784,42	-1,00	5.238
13-13-P	40,21	40,21	1784,46	-0,94	5.016
13-14-P	40,21	40,21	1784,49	-0,87	4.783
13-15-P	40,21	40,21	1784,53	-0,80	4.453
13-16-P	40,21	40,21	1784,58	-0,72	4.158
13-17-P	40,21	40,21	1784,64	-0,62	3.902
13-18-P	40,21	40,21	1784,72	-0,47	3.678
13-19-P	40,21	40,21	1784,81	-0,30	3.481
13-20-P	40,21	80,42	3042,34	-0,88	5.503

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
13-21-P	40,21	80,42	3042,13	-1,10	5.082
13-22-P	40,21	80,42	3041,97	-1,26	4.728
13-23-P	40,21	80,42	3041,88	-1,36	4.447
13-24-P	40,21	40,21	3028,33	-1,45	4.231
13-25-P	40,21	40,21	3027,89	-1,92	4.131
13-26-P	40,21	40,21	-2938,94	-95,01	3.838
13-27-P	40,21	40,21	-2942,70	-91,08	3.458
13-28-P	40,21	40,21	-2945,97	-87,65	3.140
13-29-P	40,21	40,21	-2951,34	-82,03	2.767
13-30-P	40,21	40,21	-2955,71	-77,45	2.468
13-31-P	40,21	40,21	-2959,13	-73,87	2.230
13-32-P	40,21	40,21	-2961,88	-70,99	2.036
13-33-P	40,21	40,21	-2965,15	-67,57	1.828
13-34-P	40,21	40,21	-2969,27	-63,26	1.605
13-35-P	40,21	40,21	-2972,64	-59,73	1.435
13-36-P	40,21	56,30	-4149,94	-78,13	1.806
13-37-P	40,21	56,30	-4159,12	-68,19	1.590
13-38-P	40,21	56,30	-4167,92	-58,66	1.413
13-39-P	40,21	88,47	-9412,27	-168,86	2.861
13-40-P	56,30	112,59	-14403,69	-275,87	3.931
13-41-P	56,30	112,59	-14439,92	-253,33	3.586
13-42-P	56,30	112,59	-14467,39	-236,24	3.370
13-43-P	56,30	88,47	-11432,48	-175,11	2.545
13-44-P	56,30	56,30	-7299,56	-120,17	1.714
13-45-P	56,30	56,30	-7272,58	-136,18	1.884
13-46-P	56,30	56,30	-7238,73	-156,28	2.091
13-47-P	56,30	56,30	-7195,89	-181,71	2.340
13-48-P	56,30	56,30	-7139,78	-215,02	2.654
13-49-P	56,30	56,30	-7045,06	-271,25	3.226
13-50-P	56,30	56,30	-6934,11	-337,12	3.978
13-51-P	56,30	56,30	-6800,08	-416,69	4.995
13-52-P	56,30	56,30	-7720,34	133,16	4.275
13-53-P	56,30	56,30	-7745,32	148,39	3.720
13-54-P	56,30	56,30	-7772,03	164,68	3.539
13-55-P	56,30	56,30	-7784,24	172,13	3.469
13-56-P	56,30	56,30	-7782,35	170,98	3.478
13-57-P	56,30	56,30	-7756,55	155,24	3.610
13-58-P	56,30	56,30	7633,03	82,85	3.339
13-59-P	56,30	56,30	7750,41	157,06	2.987
13-60-P	56,30	56,30	7827,34	205,69	2.692
13-61-P	56,30	56,30	7818,25	199,94	2.410
13-62-P	56,30	56,30	7784,58	178,66	2.148
13-63-P	56,30	56,30	7741,03	151,13	1.900
13-64-P	56,30	56,30	7700,00	125,19	1.692
13-65-P	56,30	56,30	7674,17	108,85	1.545
13-66-P	56,30	56,30	7658,33	98,85	1.432
13-67-P	56,30	56,30	7652,10	94,91	1.403
13-68-P	56,30	56,30	7648,28	92,49	1.415
13-69-P	56,30	88,47	7676,24	89,72	1.440
13-70-P	56,30	112,59	7689,75	89,76	1.480
13-71-P	56,30	112,59	7703,31	97,87	1.555
13-72-P	56,30	112,59	7729,21	113,38	1.715
13-73-P	56,30	88,47	6343,77	93,28	1.594
13-74-P	56,30	56,30	4280,13	49,78	1.199
13-75-P	56,30	56,30	4288,22	58,74	1.351
13-76-P	40,21	56,30	3081,61	49,52	1.111
13-77-P	40,21	40,21	3078,25	53,89	1.249
13-78-P	40,21	40,21	3082,45	58,55	1.420
13-79-P	40,21	40,21	3086,11	62,61	1.606
13-80-P	40,21	40,21	3089,15	65,99	1.787
13-81-P	40,21	40,21	3092,79	70,02	2.009
13-82-P	40,21	40,21	3096,90	74,58	2.276
13-83-P	40,21	40,21	3101,08	79,23	2.572
13-84-P	40,21	40,21	3105,99	84,68	2.910
13-85-P	40,21	40,21	3112,38	91,77	3.350
13-86-P	40,21	40,21	3121,05	101,39	3.947
13-87-P	40,21	40,21	3019,26	-11,13	4.461
13-88-P	40,21	40,21	3019,47	-10,91	4.652
13-89-P	40,21	80,42	3032,75	-10,83	4.876
13-90-P	40,21	80,42	3032,93	-10,63	5.117
13-91-P	40,21	80,42	3033,15	-10,41	5.388
13-92-P	40,21	80,42	3033,45	-10,10	5.699
13-93-P	40,21	40,21	1783,04	-3,49	3.531
13-94-P	40,21	40,21	1783,02	-3,52	3.683
13-95-P	40,21	40,21	1783,00	-3,55	3.857
13-96-P	40,21	40,21	1782,98	-3,60	4.060
13-97-P	40,21	40,21	1782,95	-3,65	4.298
13-98-P	40,21	40,21	1782,91	-3,73	4.580
13-99-P	40,21	40,21	1782,89	-3,75	4.821
13-100-P	40,21	40,21	1782,94	-3,66	4.995
13-101-P	40,21	40,21	1783,05	-3,47	5.206
13-102-P	40,21	40,21	1783,22	-3,17	5.456
13-103-P	40,21	40,21	1783,41	-2,82	5.737
13-104-P	40,21	40,21	1783,63	-2,43	6.049
13-105-P	40,21	40,21	1783,86	-2,01	6.385
13-106-P	40,21	40,21	1784,00	-1,76	6.622
13-107-P	40,21	40,21	1784,03	-1,70	6.836
13-108-P	40,21	40,21	1784,04	-1,68	7.182
13-109-P	40,21	40,21	1784,04	-1,68	7.599

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
13-110-P	40,21	40,21	1784,06	-1,65	8.064
13-111-P	40,21	40,21	1784,08	-1,61	8.586
14-1-P	48,25	48,25	2139,72	-0,26	12.562
14-2-P	48,25	48,25	2139,73	-0,25	11.795
14-3-P	48,25	48,25	2139,74	-0,23	11.112
14-4-P	48,25	48,25	2139,74	-0,22	10.485
14-5-P	48,25	48,25	2139,74	-0,22	9.909
14-6-P	48,25	48,25	2139,70	-0,29	9.564
14-7-P	48,25	48,25	2139,66	-0,37	9.162
14-8-P	48,25	48,25	2139,64	-0,41	8.768
14-9-P	48,25	48,25	2139,61	-0,45	8.408
14-10-P	48,25	48,25	2139,59	-0,49	8.077
14-11-P	48,25	48,25	2139,57	-0,52	7.775
14-12-P	48,25	48,25	2139,56	-0,54	7.478
14-13-P	48,25	48,25	2139,57	-0,52	7.170
14-14-P	48,25	48,25	2139,61	-0,46	6.674
14-15-P	48,25	48,25	2139,64	-0,40	6.206
14-16-P	48,25	48,25	2139,67	-0,34	5.813
14-17-P	48,25	48,25	2139,70	-0,29	5.475
14-18-P	48,25	48,25	2139,73	-0,25	5.191
14-19-P	48,25	48,25	2139,75	-0,21	4.938
14-20-P	48,25	96,51	3650,43	-0,60	7.849
14-21-P	48,25	96,51	3650,40	-0,62	7.339
14-22-P	48,25	96,51	3650,38	-0,65	6.888
14-23-P	48,25	96,51	3650,36	-0,67	6.487
14-24-P	48,25	48,25	3631,85	-0,69	6.096
14-25-P	48,25	48,25	-3502,42	-139,16	5.596
14-26-P	48,25	48,25	-3511,44	-129,71	4.873
14-27-P	48,25	48,25	-3518,81	-121,99	4.303
14-28-P	48,25	48,25	-3524,93	-115,52	3.841
14-29-P	48,25	48,25	-3530,04	-110,03	3.447
14-30-P	48,25	48,25	-3534,53	-105,21	3.082
14-31-P	48,25	48,25	-3538,47	-100,97	2.783
14-32-P	48,25	48,25	-3542,07	-97,11	2.532
14-33-P	48,25	48,25	-3547,38	-91,41	2.252
14-34-P	48,25	48,25	-3553,55	-84,79	1.975
14-35-P	48,25	64,34	-4726,08	-105,50	2.335
14-36-P	48,25	64,34	-4737,47	-93,18	2.062
14-37-P	48,25	64,34	-4751,42	-78,07	1.811
14-38-P	48,25	104,55	-11074,05	-224,80	3.728
14-39-P	72,38	128,68	-16454,05	-323,77	4.695
14-40-P	72,38	128,68	-16542,20	-269,03	4.074
14-41-P	72,38	128,68	-16605,56	-229,70	3.429
14-42-P	72,38	96,51	-12551,19	-151,09	2.037
14-43-P	72,38	64,34	-8421,91	-92,30	1.115
14-44-P	72,38	64,34	-8413,05	-97,56	1.044
14-45-P	72,38	64,34	-8351,48	-134,07	1.239
14-46-P	72,38	64,34	-8266,44	-184,51	1.524
14-47-P	72,38	64,34	-8139,00	-260,09	1.974
14-48-P	72,38	64,34	-7958,79	-366,97	2.487
14-49-P	72,38	64,34	-7705,40	-517,25	3.143
14-50-P	72,38	64,34	-7306,59	-753,78	4.245
14-51-P	72,38	64,34	-6583,36	-1182,71	6.273
14-52-P	72,38	64,34	8082,84	-930,18	7.904
14-53-P	72,38	64,34	8602,66	-622,59	7.167
14-54-P	72,38	64,34	8997,21	-382,87	6.612
14-55-P	72,38	64,34	9154,13	-287,37	5.137
14-56-P	72,38	64,34	9490,93	-82,38	3.974
14-57-P	72,38	64,34	9700,43	46,98	3.623
14-58-P	72,38	64,34	9888,13	165,87	3.420
14-59-P	72,38	64,34	10072,11	282,42	3.283
14-60-P	72,38	64,34	10260,03	401,45	3.197
14-61-P	72,38	64,34	10382,92	479,29	3.057
14-62-P	72,38	64,34	10219,24	375,61	2.611
14-63-P	72,38	64,34	10102,07	301,39	2.284
14-64-P	72,38	64,34	10012,68	244,77	2.033
14-65-P	72,38	64,34	9923,28	188,14	1.705
14-66-P	72,38	64,34	9839,27	134,92	1.347
14-67-P	72,38	64,34	9787,37	102,05	1.126
14-68-P	72,38	64,34	9771,80	92,19	1.084
14-69-P	72,38	64,34	9775,39	94,46	1.155
14-70-P	72,38	96,51	9830,65	106,03	1.344
14-71-P	72,38	128,68	9907,26	133,44	1.744
14-72-P	72,38	128,68	9951,90	160,19	2.076
14-73-P	72,38	128,68	9997,16	187,31	2.379
14-74-P	48,25	104,55	5482,74	102,32	1.516
14-75-P	48,25	64,34	3690,80	55,00	1.157
14-76-P	48,25	64,34	3700,34	65,48	1.333
14-77-P	48,25	64,34	3709,84	75,92	1.540
14-78-P	48,25	48,25	3705,32	80,74	1.729
14-79-P	48,25	48,25	3710,46	86,44	1.969
14-80-P	48,25	48,25	3715,84	92,41	2.252
14-81-P	48,25	48,25	3720,68	97,77	2.527
14-82-P	48,25	48,25	3726,68	104,42	2.869
14-83-P	48,25	48,25	3734,44	113,03	3.318
14-84-P	48,25	48,25	3743,74	123,34	3.869
14-85-P	48,25	48,25	3752,81	133,40	4.442
14-86-P	48,25	48,25	3760,73	142,18	5.058
14-87-P	48,25	48,25	3769,89	152,33	5.830

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
14-88-P	48,25	48,25	3627,41	-5,43	6.359
14-89-P	48,25	96,51	3645,95	-5,24	6.697
14-90-P	48,25	96,51	3646,09	-5,09	7.052
14-91-P	48,25	96,51	3646,18	-5,00	7.465
14-92-P	48,25	96,51	3646,19	-4,99	7.949
14-93-P	48,25	48,25	2138,87	-1,79	4.997
14-94-P	48,25	48,25	2138,79	-1,94	5.250
14-95-P	48,25	48,25	2138,73	-2,04	5.554
14-96-P	48,25	48,25	2138,71	-2,08	5.923
14-97-P	48,25	48,25	2138,72	-2,06	6.375
14-98-P	48,25	48,25	2138,77	-1,97	6.926
14-99-P	48,25	48,25	2138,81	-1,90	7.299
14-100-P	48,25	48,25	2138,85	-1,82	7.591
14-101-P	48,25	48,25	2138,89	-1,75	7.908
14-102-P	48,25	48,25	2138,92	-1,69	8.260
14-103-P	48,25	48,25	2139,03	-1,50	8.687
14-104-P	48,25	48,25	2139,20	-1,19	9.145
14-105-P	48,25	48,25	2139,27	-1,08	9.424
14-106-P	48,25	48,25	2139,36	-0,90	9.719
14-107-P	48,25	48,25	2139,47	-0,72	10.036
14-108-P	48,25	48,25	2139,57	-0,53	10.391
14-109-P	48,25	48,25	2139,54	-0,58	10.865
14-110-P	48,25	48,25	2139,48	-0,69	11.451
14-111-P	48,25	48,25	2139,40	-0,83	12.161
15-1-P	40,21	40,21	-1784,96	-0,04	9.137
15-2-P	40,21	40,21	-1785,02	0,08	9.009
15-3-P	40,21	40,21	-1785,08	0,18	8.897
15-4-P	40,21	40,21	-1785,12	0,26	8.786
15-5-P	40,21	40,21	-1785,20	0,43	8.449
15-6-P	40,21	40,21	-1785,30	0,60	8.035
15-7-P	40,21	40,21	-1785,38	0,75	7.648
15-8-P	40,21	40,21	-1785,38	0,75	7.239
15-9-P	40,21	40,21	-1785,33	0,66	6.836
15-10-P	40,21	40,21	-1785,29	0,58	6.466
15-11-P	40,21	40,21	-1785,24	0,50	6.109
15-12-P	40,21	40,21	-1785,20	0,42	5.769
15-13-P	40,21	40,21	-1785,17	0,35	5.452
15-14-P	40,21	40,21	-1785,16	0,33	5.185
15-15-P	40,21	40,21	-1785,17	0,36	4.967
15-16-P	40,21	40,21	-1785,18	0,38	4.778
15-17-P	40,21	40,21	-1785,19	0,40	4.613
15-18-P	40,21	40,21	-1785,20	0,42	4.470
15-19-P	40,21	40,21	-1785,21	0,44	4.345
15-20-P	40,21	80,42	3044,54	1,42	8.557
15-21-P	40,21	80,42	3044,46	1,34	7.991
15-22-P	40,21	80,42	3044,42	1,29	7.542
15-23-P	40,21	80,42	3044,42	1,29	7.187
15-24-P	40,21	40,21	-2907,31	-128,13	5.389
15-25-P	40,21	40,21	-2918,00	-116,93	4.763
15-26-P	40,21	40,21	-2925,68	-108,89	4.116
15-27-P	40,21	40,21	-2931,52	-102,78	3.616
15-28-P	40,21	40,21	-2936,32	-97,75	3.221
15-29-P	40,21	40,21	-2941,09	-92,76	2.880
15-30-P	40,21	40,21	-2945,82	-87,81	2.571
15-31-P	40,21	40,21	-2949,56	-83,89	2.308
15-32-P	40,21	40,21	-2952,48	-80,83	2.091
15-33-P	40,21	40,21	-2955,66	-77,50	1.892
15-34-P	40,21	40,21	-2961,54	-71,35	1.650
15-35-P	40,21	64,34	-4717,78	-105,19	2.319
15-36-P	40,21	64,34	-4729,39	-92,56	2.035
15-37-P	40,21	64,34	-4742,75	-78,03	1.784
15-38-P	40,21	104,55	-11050,07	-226,02	3.681
15-39-P	56,30	128,68	-16390,47	-331,65	4.655
15-40-P	56,30	128,68	-16471,73	-280,83	4.066
15-41-P	56,30	128,68	-16540,60	-237,75	3.458
15-42-P	56,30	96,51	-12518,02	-151,38	1.992
15-43-P	56,30	64,34	-8394,16	-98,78	1.156
15-44-P	64,34	64,34	-8386,75	-108,46	1.142
15-45-P	56,30	64,34	-8342,29	-129,67	1.236
15-46-P	56,30	64,34	-8277,52	-168,25	1.457
15-47-P	56,30	64,34	-8144,74	-247,32	1.956
15-48-P	56,30	64,34	-7951,97	-362,13	2.407
15-49-P	56,30	64,34	-7672,17	-528,77	3.069
15-50-P	56,30	64,34	-7199,13	-810,49	4.242
15-51-P	56,30	64,34	7501,25	-4,80	3.786
15-52-P	56,30	64,34	7487,70	-12,82	3.214
15-53-P	56,30	64,34	7480,87	-16,86	2.777
15-54-P	56,30	64,34	7474,60	-20,57	2.464
15-55-P	56,30	64,34	7468,44	-24,21	2.234
15-56-P	56,30	64,34	7462,16	-27,93	2.060
15-57-P	56,30	64,34	7462,96	-27,46	2.070
15-58-P	56,30	64,34	7473,84	-21,02	2.318
15-59-P	56,30	64,34	7487,19	-13,12	2.639
15-60-P	56,30	64,34	8143,00	398,40	2.638
15-61-P	56,30	64,34	8194,89	431,10	2.462
15-62-P	56,30	64,34	8050,00	339,79	2.073
15-63-P	56,30	64,34	7924,63	260,79	1.770
15-64-P	56,30	64,34	7826,14	198,73	1.542
15-65-P	56,30	64,34	7747,38	149,09	1.301

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
15-66-P	56,30	64,34	7690,89	113,50	1.064
15-67-P	72,38	64,34	9809,48	116,06	1.187
15-68-P	72,38	64,34	9777,17	95,59	1.082
15-69-P	72,38	64,34	9774,37	93,81	1.136
15-70-P	56,30	96,51	7675,17	86,09	1.074
15-71-P	56,30	128,68	7722,41	105,16	1.347
15-72-P	56,30	128,68	7757,64	126,19	1.609
15-73-P	56,30	128,68	7797,12	149,75	1.868
15-74-P	56,30	104,55	6394,64	123,27	1.800
15-75-P	56,30	64,34	4299,39	65,14	1.365
15-76-P	40,21	64,34	3088,86	54,41	1.115
15-77-P	40,21	64,34	3097,30	63,66	1.288
15-78-P	40,21	40,21	3090,15	67,09	1.434
15-79-P	40,21	40,21	3094,03	71,41	1.623
15-80-P	40,21	40,21	3098,86	76,76	1.869
15-81-P	40,21	40,21	3104,17	82,65	2.145
15-82-P	40,21	40,21	3108,91	87,92	2.412
15-83-P	40,21	40,21	3114,20	93,78	2.739
15-84-P	40,21	40,21	3120,82	101,13	3.163
15-85-P	40,21	40,21	3129,15	110,37	3.722
15-86-P	40,21	40,21	3136,82	118,89	4.296
15-87-P	40,21	40,21	3145,27	128,26	4.950
15-88-P	40,21	40,21	-3035,28	6,00	5.686
15-89-P	40,21	80,42	3200,01	165,47	6.874
15-90-P	40,21	80,42	3049,39	6,53	7.571
15-91-P	40,21	80,42	3049,24	6,38	8.008
15-92-P	40,21	80,42	3049,38	6,52	8.575
15-93-P	40,21	40,21	-1785,97	1,87	4.117
15-94-P	40,21	40,21	-1785,94	1,81	4.304
15-95-P	40,21	40,21	-1785,90	1,74	4.514
15-96-P	40,21	40,21	-1785,85	1,63	4.754
15-97-P	40,21	40,21	-1785,76	1,48	5.033
15-98-P	40,21	40,21	-1785,67	1,30	5.355
15-99-P	40,21	40,21	-1785,63	1,22	5.587
15-100-P	40,21	40,21	-1785,60	1,17	5.821
15-101-P	40,21	40,21	-1785,59	1,15	6.097
15-102-P	40,21	40,21	-1785,60	1,17	6.421
15-103-P	40,21	40,21	-1785,63	1,22	6.798
15-104-P	40,21	40,21	-1785,62	1,20	7.195
15-105-P	40,21	40,21	-1785,56	1,10	7.611
15-106-P	40,21	40,21	-1785,49	0,96	8.084
15-107-P	40,21	40,21	-1785,43	0,84	8.577
15-108-P	40,21	40,21	-1785,37	0,74	9.057
15-109-P	40,21	40,21	-1785,32	0,64	9.404
15-110-P	40,21	40,21	-1785,26	0,53	9.743
15-111-P	40,21	40,21	-1785,19	0,40	10.095
16-1-P	40,21	40,21	-1785,05	0,14	8.430
16-2-P	40,21	40,21	-1785,11	0,24	8.207
16-3-P	40,21	40,21	-1785,15	0,32	8.005
16-4-P	40,21	40,21	-1785,19	0,40	7.824
16-5-P	40,21	40,21	-1785,30	0,60	7.472
16-6-P	40,21	40,21	-1785,41	0,81	7.098
16-7-P	40,21	40,21	-1785,51	0,99	6.755
16-8-P	40,21	40,21	-1785,59	1,14	6.445
16-9-P	40,21	40,21	-1785,62	1,21	6.113
16-10-P	40,21	40,21	-1785,60	1,16	5.711
16-11-P	40,21	40,21	-1785,57	1,11	5.362
16-12-P	40,21	40,21	-1785,54	1,05	5.062
16-13-P	40,21	40,21	-1785,51	0,99	4.797
16-14-P	40,21	40,21	-1785,47	0,93	4.566
16-15-P	40,21	40,21	-1785,46	0,90	4.405
16-16-P	40,21	40,21	-1785,43	0,84	4.283
16-17-P	40,21	40,21	-1785,38	0,75	4.182
16-18-P	40,21	40,21	-1785,31	0,62	4.102
16-19-P	40,21	40,21	-1785,22	0,45	4.041
16-20-P	40,21	80,42	3045,74	2,69	12.933
16-21-P	40,21	80,42	3046,41	3,40	12.229
16-22-P	40,21	80,42	3046,92	3,93	11.583
16-23-P	40,21	80,42	3047,32	4,35	10.994
16-24-P	40,21	40,21	-2917,64	-117,31	5.042
16-25-P	40,21	40,21	-2926,95	-107,56	4.534
16-26-P	40,21	40,21	-2934,48	-99,68	4.049
16-27-P	40,21	40,21	-2940,94	-92,91	3.522
16-28-P	40,21	40,21	-2947,06	-86,51	3.073
16-29-P	40,21	40,21	-2951,90	-81,44	2.722
16-30-P	40,21	40,21	-2955,75	-77,40	2.443
16-31-P	40,21	40,21	-2958,89	-74,12	2.216
16-32-P	40,21	40,21	-2961,37	-71,52	2.023
16-33-P	40,21	40,21	-2965,52	-67,18	1.797
16-34-P	40,21	40,21	-2969,76	-62,74	1.585
16-35-P	40,21	40,21	-2973,07	-59,28	1.423
16-36-P	40,21	56,30	-4150,05	-78,02	1.797
16-37-P	40,21	56,30	-4158,93	-68,41	1.587
16-38-P	40,21	56,30	-4167,02	-59,64	1.426
16-39-P	40,21	88,47	-9407,78	-172,24	2.888
16-40-P	56,30	112,59	-14421,63	-264,71	3.865
16-41-P	56,30	112,59	-14470,78	-234,14	3.523
16-42-P	56,30	112,59	-14489,21	-222,67	3.423
16-43-P	56,30	88,47	-11426,98	-178,50	2.688

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
16-44-P	56,30	56,30	-7291,27	-125,09	1.750
16-45-P	56,30	56,30	-7262,15	-142,38	1.854
16-46-P	56,30	56,30	-7232,86	-159,77	2.028
16-47-P	56,30	56,30	-7201,16	-178,58	2.273
16-48-P	56,30	56,30	-7146,44	-211,07	2.660
16-49-P	56,30	56,30	7479,75	-13,49	3.188
16-50-P	56,30	56,30	7447,95	-32,78	2.702
16-51-P	56,30	56,30	7423,16	-47,82	2.329
16-52-P	56,30	56,30	7409,91	-55,86	1.895
16-53-P	56,30	56,30	7404,94	-58,88	1.610
16-54-P	56,30	56,30	7402,73	-60,22	1.484
16-55-P	56,30	56,30	7401,59	-60,91	1.416
16-56-P	56,30	56,30	7402,93	-60,10	1.374
16-57-P	56,30	56,30	7410,96	-55,22	1.391
16-58-P	56,30	56,30	7427,47	-45,21	1.503
16-59-P	56,30	56,30	7448,65	-32,36	1.687
16-60-P	56,30	56,30	7475,04	-16,35	1.932
16-61-P	56,30	56,30	7509,63	4,84	2.263
16-62-P	56,30	56,30	7731,20	144,91	2.108
16-63-P	56,30	56,30	7697,91	123,87	1.870
16-64-P	56,30	56,30	7680,67	112,97	1.699
16-65-P	56,30	56,30	7672,11	107,56	1.566
16-66-P	56,30	56,30	7663,64	102,20	1.482
16-67-P	56,30	56,30	7653,81	95,98	1.445
16-68-P	56,30	56,30	7644,88	90,34	1.406
16-69-P	56,30	88,47	7668,42	85,01	1.367
16-70-P	56,30	112,59	7697,97	94,68	1.456
16-71-P	56,30	112,59	7717,36	106,29	1.571
16-72-P	56,30	112,59	7741,40	120,68	1.743
16-73-P	56,30	88,47	6347,42	96,03	1.603
16-74-P	56,30	56,30	4280,61	50,31	1.203
16-75-P	56,30	56,30	4287,44	57,87	1.344
16-76-P	40,21	56,30	3080,70	48,53	1.102
16-77-P	40,21	40,21	3078,15	53,78	1.239
16-78-P	40,21	40,21	3081,14	57,10	1.379
16-79-P	40,21	40,21	3084,60	60,94	1.556
16-80-P	40,21	40,21	3088,78	65,57	1.789
16-81-P	40,21	40,21	3092,66	69,88	2.026
16-82-P	40,21	40,21	3096,20	73,82	2.257
16-83-P	40,21	40,21	3100,71	78,82	2.551
16-84-P	40,21	40,21	3106,61	85,37	2.933
16-85-P	40,21	40,21	3114,66	94,29	3.453
16-86-P	40,21	40,21	3125,44	106,26	4.136
16-87-P	40,21	40,21	3136,83	118,90	4.731
16-88-P	40,21	40,21	3150,77	134,37	5.459
16-89-P	40,21	80,42	3189,65	154,32	6.438
16-90-P	40,21	80,42	3212,95	179,57	7.723
16-91-P	40,21	80,42	3247,67	217,40	9.650
16-92-P	40,21	80,42	-6012,90	24,08	12.612
16-93-P	40,21	40,21	-1787,16	4,10	3.855
16-94-P	40,21	40,21	-1787,09	3,96	3.968
16-95-P	40,21	40,21	-1787,02	3,83	4.111
16-96-P	40,21	40,21	-1786,96	3,71	4.294
16-97-P	40,21	40,21	-1786,90	3,60	4.522
16-98-P	40,21	40,21	-1786,83	3,48	4.786
16-99-P	40,21	40,21	-1786,79	3,41	4.960
16-100-P	40,21	40,21	-1786,76	3,35	5.105
16-101-P	40,21	40,21	-1786,71	3,24	5.268
16-102-P	40,21	40,21	-1786,60	3,05	5.461
16-103-P	40,21	40,21	-1786,45	2,76	5.691
16-104-P	40,21	40,21	-1786,26	2,41	5.975
16-105-P	40,21	40,21	-1786,13	2,17	6.299
16-106-P	40,21	40,21	-1785,98	1,89	6.672
16-107-P	40,21	40,21	-1785,82	1,57	7.104
16-108-P	40,21	40,21	-1785,63	1,23	7.605
16-109-P	40,21	40,21	-1785,59	1,15	7.996
16-110-P	40,21	40,21	-1785,54	1,06	8.442
16-111-P	40,21	40,21	-1785,49	0,97	8.938
17-1-P	40,21	40,21	-1784,94	-0,08	7.767
17-2-P	40,21	40,21	-1784,98	0,00	7.478
17-3-P	40,21	40,21	-1785,00	0,04	7.222
17-4-P	40,21	40,21	-1785,01	0,06	6.979
17-5-P	40,21	40,21	-1785,11	0,25	6.604
17-6-P	40,21	40,21	-1785,23	0,48	6.225
17-7-P	40,21	40,21	-1785,33	0,67	5.902
17-8-P	40,21	40,21	-1785,42	0,83	5.627
17-9-P	40,21	40,21	-1785,48	0,95	5.375
17-10-P	40,21	40,21	-1785,49	0,96	5.053
17-11-P	40,21	40,21	-1785,48	0,93	4.788
17-12-P	40,21	40,21	-1785,44	0,88	4.576
17-13-P	40,21	40,21	-1785,40	0,79	4.405
17-14-P	40,21	40,21	-1785,34	0,68	4.271
17-15-P	40,21	40,21	-1785,28	0,57	4.151
17-16-P	40,21	40,21	-1785,21	0,43	4.053
17-17-P	40,21	40,21	-1785,14	0,30	3.965
17-18-P	40,21	40,21	-1785,07	0,16	3.889
17-19-P	40,21	40,21	-1784,99	0,03	3.822
17-20-P	40,21	64,34	-4417,83	-0,14	9.271
17-21-P	40,21	80,42	-5991,66	-0,20	12.195

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
17-22-P	40,21	80,42	-5778,09	-234,52	11.642
17-23-P	40,21	80,42	-5802,35	-207,91	10.227
17-24-P	40,21	56,30	-4101,09	-131,04	6.417
17-25-P	40,21	40,21	-2948,43	-85,08	4.148
17-26-P	40,21	40,21	-2953,97	-79,28	3.709
17-27-P	40,21	40,21	-2957,82	-75,25	3.328
17-28-P	40,21	40,21	-2961,15	-71,76	2.992
17-29-P	40,21	40,21	-2964,02	-68,75	2.698
17-30-P	40,21	40,21	-2966,55	-66,10	2.437
17-31-P	40,21	40,21	-2969,78	-62,72	2.190
17-32-P	40,21	40,21	-2973,30	-59,04	1.973
17-33-P	40,21	40,21	-2976,21	-55,99	1.794
17-34-P	40,21	40,21	-2978,81	-53,26	1.623
17-35-P	40,21	40,21	-2981,06	-50,91	1.471
17-36-P	40,21	40,21	-2982,86	-49,02	1.366
17-37-P	40,21	64,34	-4746,06	-74,43	2.041
17-38-P	40,21	64,34	-4752,01	-67,96	1.892
17-39-P	40,21	64,34	-4759,08	-60,27	1.765
17-40-P	40,21	72,38	-7644,30	-113,52	2.715
17-41-P	56,30	104,55	-12143,49	-200,68	4.148
17-42-P	56,30	128,68	-16476,48	-277,85	5.463
17-43-P	56,30	128,68	-16499,60	-263,39	5.550
17-44-P	56,30	120,64	-15507,35	-235,75	5.445
17-45-P	56,30	88,47	-11439,78	-170,60	4.254
17-46-P	56,30	64,34	-8341,26	-130,29	3.424
17-47-P	56,30	64,34	7357,29	-89,97	3.654
17-48-P	56,30	64,34	7351,06	-93,65	2.995
17-49-P	56,30	64,34	7345,41	-97,00	2.513
17-50-P	56,30	64,34	7338,44	-101,12	2.088
17-51-P	56,30	64,34	7342,20	-98,90	1.679
17-52-P	56,30	64,34	7349,32	-94,69	1.370
17-53-P	56,30	64,34	7370,53	-82,13	1.089
17-54-P	80,42	80,42	10549,61	-93,41	1.222
17-55-P	80,42	80,42	10578,76	-75,71	1.092
17-56-P	80,42	80,42	10594,59	-66,10	1.161
17-57-P	80,42	64,34	10586,42	-57,40	1.304
17-58-P	56,30	64,34	7451,98	-33,95	1.086
17-59-P	56,30	64,34	7464,60	-26,49	1.396
17-60-P	56,30	64,34	7474,78	-20,46	1.648
17-61-P	56,30	64,34	7484,55	-14,68	1.959
17-62-P	56,30	64,34	7596,85	54,24	2.352
17-63-P	56,30	64,34	7601,07	56,90	2.139
17-64-P	56,30	64,34	7602,66	57,90	2.035
17-65-P	56,30	64,34	7606,75	60,47	1.956
17-66-P	56,30	88,47	7632,78	63,57	1.896
17-67-P	56,30	120,64	7655,53	67,15	1.893
17-68-P	56,30	128,68	7668,14	72,75	1.893
17-69-P	56,30	128,68	7682,87	81,55	1.912
17-70-P	56,30	104,55	6970,07	77,17	1.795
17-71-P	56,30	72,38	6198,75	65,41	1.669
17-72-P	56,30	64,34	4275,51	38,81	1.215
17-73-P	56,30	64,34	4280,82	44,66	1.321
17-74-P	40,21	64,34	3072,40	36,39	1.039
17-75-P	40,21	40,21	3065,59	39,85	1.127
17-76-P	40,21	40,21	3067,85	42,35	1.224
17-77-P	40,21	40,21	3070,12	44,87	1.359
17-78-P	40,21	40,21	3072,89	47,94	1.538
17-79-P	40,21	40,21	3075,91	51,30	1.729
17-80-P	40,21	40,21	3078,75	54,45	1.902
17-81-P	40,21	40,21	3081,93	57,98	2.097
17-82-P	40,21	40,21	3085,50	61,93	2.342
17-83-P	40,21	40,21	3089,60	66,48	2.658
17-84-P	40,21	40,21	3094,47	71,89	3.083
17-85-P	40,21	40,21	3100,48	78,56	3.511
17-86-P	40,21	40,21	3107,79	86,67	3.932
17-87-P	40,21	56,30	3125,11	97,35	4.484
17-88-P	40,21	80,42	3149,04	111,53	5.217
17-89-P	40,21	80,42	3167,14	130,61	6.207
17-90-P	40,21	80,42	3191,71	156,50	7.594
17-91-P	40,21	64,34	2925,62	162,09	8.734
17-92-P	40,21	40,21	-1787,95	5,57	3.665
17-93-P	40,21	40,21	-1787,88	5,45	3.776
17-94-P	40,21	40,21	-1787,82	5,33	3.893
17-95-P	40,21	40,21	-1787,75	5,19	4.019
17-96-P	40,21	40,21	-1787,66	5,04	4.158
17-97-P	40,21	40,21	-1787,57	4,86	4.311
17-98-P	40,21	40,21	-1787,44	4,62	4.466
17-99-P	40,21	40,21	-1787,30	4,36	4.607
17-100-P	40,21	40,21	-1787,12	4,03	4.778
17-101-P	40,21	40,21	-1786,93	3,67	4.964
17-102-P	40,21	40,21	-1786,72	3,27	5.172
17-103-P	40,21	40,21	-1786,49	2,83	5.405
17-104-P	40,21	40,21	-1786,23	2,35	5.663
17-105-P	40,21	40,21	-1786,07	2,05	5.951
17-106-P	40,21	40,21	-1785,97	1,87	6.284
17-107-P	40,21	40,21	-1785,91	1,75	6.680
17-108-P	40,21	40,21	-1785,86	1,65	7.141
17-109-P	40,21	40,21	-1785,80	1,54	7.660
17-110-P	40,21	40,21	-1785,74	1,43	8.222

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
18-1-P	40,21	40,21	-1784,22	-1,21	7.490
18-2-P	40,21	40,21	-1784,39	-1,06	7.086
18-3-P	40,21	40,21	-1784,44	-0,98	6.786
18-4-P	40,21	40,21	-1784,45	-0,95	6.513
18-5-P	40,21	40,21	-1784,54	-0,79	6.178
18-6-P	40,21	40,21	-1784,68	-0,54	5.826
18-7-P	40,21	40,21	-1784,80	-0,33	5.507
18-8-P	40,21	40,21	-1784,89	-0,17	5.196
18-9-P	40,21	40,21	-1784,94	-0,07	4.898
18-10-P	40,21	40,21	-1784,95	-0,06	4.687
18-11-P	40,21	40,21	-1784,94	-0,07	4.531
18-12-P	40,21	40,21	-1784,93	-0,09	4.387
18-13-P	40,21	40,21	-1784,91	-0,12	4.252
18-14-P	40,21	40,21	-1784,89	-0,17	4.126
18-15-P	40,21	40,21	-1784,86	-0,22	4.009
18-16-P	40,21	40,21	-1784,76	-0,39	3.933
18-17-P	40,21	40,21	-1784,61	-0,67	3.877
18-18-P	40,21	40,21	-1784,38	-1,07	3.848
18-19-P	40,21	40,21	-1784,12	-1,55	3.834
18-20-P	40,21	40,21	-2032,27	-2,49	4.349
18-21-P	40,21	64,34	-4410,94	-8,30	9.289
18-22-P	40,21	80,42	-5823,43	-184,78	10.835
18-23-P	40,21	80,42	-5844,91	-161,21	9.500
18-24-P	40,21	80,42	-5860,62	-143,98	8.520
18-25-P	40,21	56,30	-4136,28	-92,93	5.491
18-26-P	40,21	40,21	-2969,79	-62,71	3.596
18-27-P	40,21	40,21	-2972,17	-60,22	3.290
18-28-P	40,21	40,21	-2973,67	-58,65	3.018
18-29-P	40,21	40,21	-2975,31	-56,93	2.782
18-30-P	40,21	40,21	-2978,06	-54,05	2.557
18-31-P	40,21	40,21	-2980,61	-51,39	2.343
18-32-P	40,21	40,21	-2982,87	-49,01	2.143
18-33-P	40,21	40,21	-2984,88	-46,91	1.959
18-34-P	40,21	40,21	-2986,42	-45,29	1.821
18-35-P	40,21	40,21	-2987,45	-44,22	1.747
18-36-P	40,21	40,21	-2988,54	-43,08	1.666
18-37-P	40,21	40,21	-2989,64	-41,93	1.585
18-38-P	40,21	40,21	-2990,69	-40,83	1.534
18-39-P	40,21	40,21	-2992,15	-39,30	1.488
18-40-P	40,21	40,21	-2994,83	-36,49	1.440
18-41-P	40,21	64,34	-4765,11	-53,71	2.292
18-42-P	40,21	64,34	-5454,60	-64,88	2.658
18-43-P	40,21	88,47	3960,32	-69,84	3.685
18-44-P	40,21	96,51	4385,17	-79,66	3.249
18-45-P	64,34	112,59	7667,35	-145,67	4.531
18-46-P	64,34	120,64	8168,66	-159,15	4.011
18-47-P	64,34	104,55	8332,70	-159,18	3.465
18-48-P	64,34	96,51	8342,91	-150,17	2.881
18-49-P	64,34	88,47	8348,88	-143,30	2.424
18-50-P	64,34	72,38	8355,52	-134,43	2.029
18-51-P	64,34	64,34	8367,52	-122,45	1.692
18-52-P	64,34	64,34	8403,07	-100,87	1.348
18-53-P	64,34	64,34	8446,35	-74,60	1.047
18-54-P	88,47	88,47	11638,22	-80,34	1.215
18-55-P	88,47	88,47	11662,27	-65,74	1.089
18-56-P	88,47	88,47	11666,23	-63,33	1.213
18-57-P	64,34	64,34	8494,75	-45,22	1.048
18-58-P	64,34	64,34	8496,26	-44,31	1.317
18-59-P	64,34	64,34	8496,98	-43,87	1.720
18-60-P	64,34	72,38	8506,08	-43,27	1.979
18-61-P	64,34	88,47	8519,63	-42,52	2.326
18-62-P	64,34	96,51	8527,04	-41,64	2.812
18-63-P	64,34	104,55	8677,79	44,88	3.138
18-64-P	64,34	120,64	8518,31	51,56	2.964
18-65-P	64,34	112,59	7975,65	52,96	2.685
18-66-P	40,21	96,51	4542,54	31,30	1.480
18-67-P	40,21	88,47	4086,68	29,15	1.318
18-68-P	40,21	64,34	3511,99	24,88	1.143
18-69-P	40,21	64,34	3058,62	21,30	1.005
18-70-P	40,21	40,21	3051,09	23,75	1.033
18-71-P	40,21	40,21	3053,31	26,22	1.086
18-72-P	40,21	40,21	3055,12	28,23	1.140
18-73-P	40,21	40,21	3056,37	29,61	1.199
18-74-P	40,21	40,21	3057,66	31,04	1.282
18-75-P	40,21	40,21	3059,16	32,71	1.373
18-76-P	40,21	40,21	3060,89	34,62	1.475
18-77-P	40,21	40,21	3062,66	36,59	1.586
18-78-P	40,21	40,21	3064,25	38,35	1.705
18-79-P	40,21	40,21	3066,00	40,30	1.850
18-80-P	40,21	40,21	3068,07	42,59	2.038
18-81-P	40,21	40,21	3070,61	45,41	2.269
18-82-P	40,21	40,21	3073,85	49,01	2.557
18-83-P	40,21	40,21	3077,94	53,54	2.861
18-84-P	40,21	40,21	3082,81	58,95	3.148
18-85-P	40,21	56,30	3095,97	65,31	3.494
18-86-P	40,21	80,42	3112,32	72,84	3.931
18-87-P	40,21	80,42	3120,76	81,74	4.481
18-88-P	40,21	80,42	3131,81	93,38	5.213
18-89-P	40,21	64,34	2866,90	92,19	5.660

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
18-90-P	40,21	40,21	-2038,13	7,10	4.208
18-91-P	40,21	40,21	-1787,93	5,54	3.721
18-92-P	40,21	40,21	-1787,98	5,63	3.762
18-93-P	40,21	40,21	-1787,95	5,58	3.856
18-94-P	40,21	40,21	-1787,86	5,41	3.993
18-95-P	40,21	40,21	-1787,75	5,21	4.140
18-96-P	40,21	40,21	-1787,60	4,91	4.295
18-97-P	40,21	40,21	-1787,40	4,54	4.454
18-98-P	40,21	40,21	-1787,18	4,13	4.624
18-99-P	40,21	40,21	-1786,97	3,73	4.795
18-100-P	40,21	40,21	-1786,79	3,39	4.949
18-101-P	40,21	40,21	-1786,60	3,04	5.111
18-102-P	40,21	40,21	-1786,36	2,60	5.277
18-103-P	40,21	40,21	-1786,07	2,06	5.446
18-104-P	40,21	40,21	-1785,73	1,41	5.614
18-105-P	40,21	40,21	-1785,56	1,08	5.794
18-106-P	40,21	40,21	-1785,51	0,99	6.027
18-107-P	40,21	40,21	-1785,44	0,86	6.318
18-108-P	40,21	40,21	-1785,34	0,68	6.682
18-109-P	40,21	40,21	-1785,13	0,44	7.202
19-1-P	40,21	40,21	-1780,41	-2,81	10.095
19-2-P	40,21	40,21	-1783,27	-3,09	6.912
19-3-P	40,21	40,21	-1783,31	-3,01	6.616
19-4-P	40,21	40,21	-1783,34	-2,97	6.332
19-5-P	40,21	40,21	-1783,36	-2,93	6.028
19-6-P	40,21	40,21	-1783,50	-2,67	5.622
19-7-P	40,21	40,21	-1783,66	-2,39	5.233
19-8-P	40,21	40,21	-1783,79	-2,15	4.894
19-9-P	40,21	40,21	-1783,91	-1,93	4.595
19-10-P	40,21	40,21	-1783,99	-1,78	4.364
19-11-P	40,21	40,21	-1783,99	-1,79	4.238
19-12-P	40,21	40,21	-1783,92	-1,92	4.156
19-13-P	40,21	40,21	-1783,79	-2,16	4.103
19-14-P	40,21	40,21	-1783,60	-2,49	4.076
19-15-P	40,21	40,21	-1783,41	-2,84	4.054
19-16-P	40,21	40,21	-1783,21	-3,20	4.020
19-17-P	40,21	40,21	-1783,00	-3,57	3.973
19-18-P	40,21	40,21	-1782,80	-3,94	3.927
19-19-P	40,21	40,21	-1782,59	-4,32	3.888
19-20-P	40,21	40,21	-1766,78	-32,93	3.824
19-21-P	40,21	48,25	-2690,95	-59,17	5.309
19-22-P	40,21	64,34	-4330,16	-103,99	7.752
19-23-P	40,21	80,42	-5866,74	-137,26	9.524
19-24-P	40,21	80,42	-5878,20	-124,69	8.700
19-25-P	40,21	72,38	-5310,20	-102,91	7.220
19-26-P	40,21	56,30	-4153,75	-74,01	5.222
19-27-P	40,21	40,21	-2982,34	-49,57	3.494
19-28-P	40,21	40,21	-2984,91	-46,88	3.268
19-29-P	40,21	40,21	-2987,12	-44,56	3.039
19-30-P	40,21	40,21	-2988,89	-42,71	2.814
19-31-P	40,21	40,21	-2990,28	-41,25	2.610
19-32-P	40,21	40,21	-2991,46	-40,02	2.436
19-33-P	40,21	40,21	-2992,52	-38,91	2.334
19-34-P	40,21	40,21	-2993,53	-37,85	2.270
19-35-P	40,21	40,21	-2994,51	-36,83	2.203
19-36-P	40,21	40,21	-2995,44	-35,86	2.131
19-37-P	40,21	40,21	-2996,25	-35,01	2.066
19-38-P	40,21	40,21	-2997,12	-34,10	2.011
19-39-P	40,21	40,21	-2997,64	-33,55	2.035
19-40-P	40,21	40,21	-2998,17	-33,00	2.064
19-41-P	40,21	40,21	-2998,81	-32,33	2.081
19-42-P	40,21	40,21	-3000,11	-30,96	2.088
19-43-P	40,21	40,21	2996,73	-35,18	1.930
19-44-P	40,21	40,21	2999,78	-31,92	1.581
19-45-P	40,21	40,21	3001,84	-29,72	1.341
19-46-P	40,21	40,21	3219,95	-31,97	1.231
19-47-P	40,21	40,21	3438,47	-33,58	1.123
19-48-P	40,21	48,25	3659,96	-35,71	1.046
19-49-P	64,34	48,25	6170,28	-59,84	1.546
19-50-P	64,34	56,30	6357,79	-57,14	1.387
19-51-P	64,34	56,30	6536,26	-54,89	1.278
19-52-P	64,34	48,25	6705,46	-52,94	1.198
19-53-P	64,34	48,25	6713,59	-46,69	1.121
19-54-P	64,34	40,21	6706,48	-44,20	1.102
19-55-P	64,34	48,25	6718,13	-43,20	1.114
19-56-P	64,34	48,25	6718,82	-42,67	1.207
19-57-P	64,34	56,30	6554,09	-40,86	1.308
19-58-P	64,34	56,30	6379,25	-39,79	1.429
19-59-P	64,34	48,25	6195,96	-38,43	1.569
19-60-P	40,21	48,25	3676,70	-21,39	1.045
19-61-P	40,21	40,21	3454,46	-18,67	1.122
19-62-P	40,21	40,21	3235,96	-16,03	1.227
19-63-P	40,21	40,21	3017,21	-13,31	1.341
19-64-P	40,21	40,21	3042,40	14,11	1.349
19-65-P	40,21	40,21	3043,79	15,66	1.306
19-66-P	40,21	40,21	3045,05	17,05	1.298
19-67-P	40,21	40,21	3046,05	18,16	1.313
19-68-P	40,21	40,21	3046,71	18,89	1.327
19-69-P	40,21	40,21	3047,38	19,64	1.338

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
19-70-P	40,21	40,21	3048,21	20,55	1.386
19-71-P	40,21	40,21	3049,06	21,50	1.439
19-72-P	40,21	40,21	3049,89	22,42	1.487
19-73-P	40,21	40,21	3050,79	23,42	1.541
19-74-P	40,21	40,21	3051,80	24,54	1.615
19-75-P	40,21	40,21	3052,90	25,76	1.711
19-76-P	40,21	40,21	3054,10	27,09	1.821
19-77-P	40,21	40,21	3055,46	28,60	1.946
19-78-P	40,21	40,21	3057,03	30,34	2.090
19-79-P	40,21	40,21	3058,83	32,34	2.259
19-80-P	40,21	40,21	3060,95	34,70	2.461
19-81-P	40,21	40,21	3063,67	37,71	2.671
19-82-P	40,21	56,30	3074,28	41,46	2.918
19-83-P	40,21	72,38	3084,87	45,94	3.212
19-84-P	40,21	80,42	3091,90	51,33	3.565
19-85-P	40,21	80,42	3098,23	58,00	4.003
19-86-P	40,21	64,34	2836,59	56,10	4.144
19-87-P	40,21	48,25	2315,20	42,90	3.811
19-88-P	40,21	40,21	1800,37	28,63	3.289
19-89-P	40,21	40,21	1801,88	31,45	3.648
19-90-P	40,21	40,21	-1787,26	4,27	3.921
19-91-P	40,21	40,21	-1787,31	4,38	3.974
19-92-P	40,21	40,21	-1787,34	4,44	4.021
19-93-P	40,21	40,21	-1787,29	4,33	4.066
19-94-P	40,21	40,21	-1787,12	4,02	4.187
19-95-P	40,21	40,21	-1786,91	3,63	4.353
19-96-P	40,21	40,21	-1786,69	3,21	4.532
19-97-P	40,21	40,21	-1786,44	2,75	4.726
19-98-P	40,21	40,21	-1786,18	2,26	4.929
19-99-P	40,21	40,21	-1785,93	1,79	5.107
19-100-P	40,21	40,21	-1785,64	1,24	5.264
19-101-P	40,21	40,21	-1785,29	0,58	5.420
19-102-P	40,21	40,21	-1784,91	-0,12	5.584
19-103-P	40,21	40,21	-1784,54	-0,80	5.755
19-104-P	40,21	40,21	-1784,37	-1,11	5.939
19-105-P	40,21	40,21	-1784,27	-1,28	6.153
19-106-P	40,21	40,21	-1784,15	-1,49	6.401
19-107-P	24,13	24,13	-1071,72	-0,75	5.553
20-1-P	40,21	40,21	-1778,20	-5,00	11.143
20-2-P	40,21	40,21	-1781,88	-5,60	6.568
20-3-P	40,21	40,21	-1781,93	-5,51	6.205
20-4-P	40,21	40,21	-1781,97	-5,44	5.880
20-5-P	40,21	40,21	-1782,02	-5,36	5.567
20-6-P	40,21	40,21	-1782,10	-5,22	5.243
20-7-P	40,21	40,21	-1782,17	-5,09	4.964
20-8-P	40,21	40,21	-1782,21	-5,01	4.726
20-9-P	40,21	40,21	-1782,22	-4,99	4.519
20-10-P	40,21	40,21	-1782,08	-5,25	4.433
20-11-P	40,21	40,21	-1781,94	-5,51	4.353
20-12-P	40,21	40,21	-1781,79	-5,77	4.281
20-13-P	40,21	40,21	-1781,64	-6,04	4.216
20-14-P	40,21	40,21	-1781,50	-6,30	4.156
20-15-P	40,21	40,21	-1781,34	-6,58	4.106
20-16-P	40,21	40,21	-1781,16	-6,90	4.064
20-17-P	40,21	40,21	-1780,82	-7,52	4.079
20-18-P	40,21	40,21	-1780,29	-8,49	4.175
20-19-P	40,21	40,21	-1770,21	-26,73	4.045
20-20-P	40,21	40,21	-1771,16	-25,01	3.745
20-21-P	40,21	40,21	-1771,99	-23,51	3.485
20-22-P	40,21	48,25	-2412,74	-34,50	4.415
20-23-P	40,21	64,34	-3971,68	-64,85	6.692
20-24-P	40,21	72,38	-5319,42	-92,83	8.219
20-25-P	40,21	80,42	-5905,43	-94,81	8.538
20-26-P	40,21	72,38	-5331,86	-79,24	7.284
20-27-P	40,21	56,30	-4169,04	-57,46	5.393
20-28-P	40,21	48,25	-3584,60	-45,90	4.401
20-29-P	40,21	40,21	-2995,57	-35,72	3.499
20-30-P	40,21	40,21	-2997,62	-33,57	3.311
20-31-P	40,21	40,21	-2999,21	-31,90	3.115
20-32-P	40,21	40,21	-3000,55	-30,50	3.036
20-33-P	40,21	40,21	-3001,26	-29,76	2.990
20-34-P	40,21	40,21	-3001,89	-29,11	2.946
20-35-P	40,21	40,21	-3002,47	-28,50	2.901
20-36-P	40,21	40,21	-3003,07	-27,86	2.853
20-37-P	40,21	40,21	-3003,70	-27,21	2.806
20-38-P	40,21	40,21	-3004,56	-26,30	2.839
20-39-P	40,21	40,21	2988,03	-44,46	2.739
20-40-P	40,21	40,21	2992,04	-40,18	2.314
20-41-P	40,21	40,21	2994,86	-37,17	2.013
20-42-P	40,21	40,21	2997,76	-34,07	1.741
20-43-P	40,21	40,21	3000,81	-30,82	1.484
20-44-P	40,21	40,21	3003,28	-28,19	1.281
20-45-P	40,21	40,21	3005,11	-26,23	1.134
20-46-P	40,21	40,21	3006,80	-24,43	1.024
20-47-P	64,34	40,21	4780,77	-36,47	1.487
20-48-P	64,34	40,21	4782,53	-34,58	1.371
20-49-P	64,34	40,21	4784,15	-32,82	1.282
20-50-P	64,34	40,21	4785,87	-30,96	1.211
20-51-P	64,34	40,21	4787,08	-29,65	1.164

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
20-52-P	64,34	40,21	4787,83	-28,84	1.136
20-53-P	64,34	40,21	4788,00	-28,65	1.142
20-54-P	64,34	40,21	4787,80	-28,87	1.172
20-55-P	64,34	40,21	4787,37	-29,33	1.221
20-56-P	64,34	40,21	4786,79	-29,96	1.293
20-57-P	64,34	40,21	4786,19	-30,61	1.384
20-58-P	64,34	40,21	4785,57	-31,29	1.499
20-59-P	40,21	40,21	3010,82	-20,14	1.038
20-60-P	40,21	40,21	3010,48	-20,49	1.159
20-61-P	40,21	40,21	3010,13	-20,88	1.304
20-62-P	40,21	40,21	3009,65	-21,39	1.493
20-63-P	40,21	40,21	3039,37	10,74	1.729
20-64-P	40,21	40,21	3040,04	11,49	1.705
20-65-P	40,21	40,21	3040,63	12,15	1.721
20-66-P	40,21	40,21	3041,23	12,81	1.731
20-67-P	40,21	40,21	3041,83	13,47	1.737
20-68-P	40,21	40,21	3042,42	14,14	1.742
20-69-P	40,21	40,21	3043,04	14,81	1.764
20-70-P	40,21	40,21	3043,70	15,55	1.823
20-71-P	40,21	40,21	3044,37	16,30	1.882
20-72-P	40,21	40,21	3045,02	17,02	1.939
20-73-P	40,21	40,21	3045,71	17,78	1.999
20-74-P	40,21	40,21	3046,48	18,64	2.077
20-75-P	40,21	40,21	3047,54	19,81	2.208
20-76-P	40,21	40,21	3049,02	21,45	2.362
20-77-P	40,21	48,25	3054,80	23,58	2.515
20-78-P	40,21	56,30	3060,27	26,07	2.677
20-79-P	40,21	72,38	3068,73	28,90	2.862
20-80-P	40,21	80,42	3073,63	32,07	3.072
20-81-P	40,21	72,38	3075,11	35,64	3.342
20-82-P	40,21	64,34	2561,46	28,28	3.065
20-83-P	40,21	48,25	2048,97	20,26	2.691
20-84-P	40,21	40,21	1794,12	17,00	2.564
20-85-P	40,21	40,21	1795,07	18,77	2.794
20-86-P	40,21	40,21	1796,16	20,81	3.058
20-87-P	40,21	40,21	1797,36	23,03	3.366
20-88-P	40,21	40,21	1798,42	25,00	3.720
20-89-P	40,21	40,21	1798,99	26,07	4.057
20-90-P	40,21	40,21	1799,04	26,17	4.369
20-91-P	40,21	40,21	-1785,33	0,66	4.436
20-92-P	40,21	40,21	-1785,24	0,50	4.468
20-93-P	40,21	40,21	-1785,12	0,28	4.521
20-94-P	40,21	40,21	-1784,87	-0,19	4.675
20-95-P	40,21	40,21	-1784,55	-0,78	4.873
20-96-P	40,21	40,21	-1784,23	-1,35	5.059
20-97-P	40,21	40,21	-1783,90	-1,95	5.246
20-98-P	40,21	40,21	-1783,54	-2,61	5.448
20-99-P	40,21	40,21	-1783,14	-3,33	5.662
20-100-P	40,21	40,21	-1782,84	-3,87	5.890
20-101-P	40,21	40,21	-1782,65	-4,21	6.110
20-102-P	40,21	40,21	-1782,48	-4,52	6.339
20-103-P	40,21	40,21	-1782,29	-4,86	6.582
20-104-P	24,13	24,13	-1069,72	-2,55	6.556
21-1-P	32,17	32,17	-1421,42	-6,65	10.350
21-2-P	32,17	32,17	-1425,42	-7,43	5.489
21-3-P	40,21	40,21	-1779,71	-9,53	6.194
21-4-P	40,21	40,21	-1779,65	-9,65	5.879
21-5-P	40,21	40,21	-1779,59	-9,75	5.594
21-6-P	40,21	40,21	-1779,56	-9,81	5.330
21-7-P	40,21	40,21	-1779,55	-9,82	5.096
21-8-P	40,21	40,21	-1779,43	-10,03	4.971
21-9-P	40,21	40,21	-1779,27	-10,33	4.906
21-10-P	40,21	40,21	-1779,11	-10,61	4.837
21-11-P	40,21	40,21	-1778,94	-10,92	4.775
21-12-P	40,21	40,21	-1778,77	-11,23	4.718
21-13-P	40,21	40,21	-1778,59	-11,56	4.668
21-14-P	40,21	40,21	-1778,42	-11,87	4.616
21-15-P	40,21	40,21	-1777,93	-12,76	4.644
21-16-P	40,21	40,21	-1777,35	-13,80	4.690
21-17-P	40,21	40,21	-1776,73	-14,92	4.750
21-18-P	40,21	40,21	-1772,20	-23,12	4.734
21-19-P	40,21	40,21	-1772,98	-21,70	4.345
21-20-P	40,21	40,21	-1773,83	-20,17	3.989
21-21-P	40,21	40,21	-1774,55	-18,87	3.686
21-22-P	40,21	40,21	-1775,16	-17,76	3.499
21-23-P	40,21	40,21	-2020,07	-21,91	3.831
21-24-P	40,21	56,30	-3154,93	-35,87	5.711
21-25-P	40,21	64,34	-3986,00	-46,23	6.837
21-26-P	40,21	72,38	-4911,15	-56,84	7.936
21-27-P	40,21	80,42	-5930,58	-67,22	8.985
21-28-P	40,21	72,38	-5353,75	-55,34	7.652
21-29-P	40,21	56,30	-4186,17	-38,91	5.765
21-30-P	40,21	48,25	-3599,62	-29,71	4.813
21-31-P	40,21	40,21	-3008,78	-21,89	3.906
21-32-P	40,21	40,21	-3010,87	-19,70	3.824
21-33-P	40,21	40,21	-3012,07	-18,44	3.776
21-34-P	40,21	40,21	-3012,64	-17,84	3.780
21-35-P	40,21	40,21	-3012,88	-17,60	3.805
21-36-P	40,21	40,21	2972,09	-61,47	3.561

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
21-37-P	40,21	40,21	2978,62	-54,50	3.025
21-38-P	40,21	40,21	2984,38	-48,36	2.563
21-39-P	40,21	40,21	2988,81	-43,63	2.207
21-40-P	40,21	40,21	2992,09	-40,13	1.943
21-41-P	40,21	40,21	2994,47	-37,59	1.752
21-42-P	40,21	40,21	2996,47	-35,46	1.597
21-43-P	40,21	40,21	2998,41	-33,38	1.461
21-44-P	40,21	40,21	3000,35	-31,31	1.333
21-45-P	40,21	40,21	3002,09	-29,46	1.221
21-46-P	40,21	40,21	3003,56	-27,89	1.126
21-47-P	40,21	40,21	3004,69	-26,68	1.053
21-48-P	40,21	40,21	3005,13	-26,21	1.025
21-49-P	40,21	40,21	3005,35	-25,97	1.014
21-50-P	40,21	40,21	3005,60	-25,71	1.003
21-51-P	48,25	40,21	3598,80	-30,42	1.188
21-52-P	48,25	40,21	3599,16	-30,03	1.176
21-53-P	48,25	40,21	3599,20	-30,00	1.188
21-54-P	40,21	40,21	3005,76	-25,53	1.038
21-55-P	40,21	40,21	3005,24	-26,09	1.089
21-56-P	40,21	40,21	3004,66	-26,71	1.147
21-57-P	40,21	40,21	3003,99	-27,43	1.215
21-58-P	40,21	40,21	3003,19	-28,28	1.313
21-59-P	40,21	40,21	3002,28	-29,25	1.441
21-60-P	40,21	40,21	3001,33	-30,27	1.582
21-61-P	40,21	40,21	3000,20	-31,47	1.752
21-62-P	40,21	40,21	2998,80	-32,97	1.965
21-63-P	40,21	40,21	3035,88	6,88	2.164
21-64-P	40,21	40,21	3036,50	7,57	2.180
21-65-P	40,21	40,21	3036,99	8,11	2.196
21-66-P	40,21	40,21	3037,34	8,49	2.207
21-67-P	40,21	40,21	3037,51	8,69	2.213
21-68-P	40,21	40,21	3037,67	8,87	2.216
21-69-P	40,21	40,21	3037,93	9,15	2.234
21-70-P	40,21	40,21	3038,45	9,73	2.298
21-71-P	40,21	40,21	3039,32	10,69	2.381
21-72-P	40,21	48,25	3044,34	12,03	2.473
21-73-P	40,21	56,30	3049,04	13,72	2.571
21-74-P	40,21	72,38	3056,11	15,58	2.682
21-75-P	40,21	80,42	3059,87	17,57	2.847
21-76-P	40,21	72,38	2805,73	16,92	2.789
21-77-P	40,21	64,34	2551,90	15,81	2.702
21-78-P	40,21	56,30	2297,98	14,27	2.583
21-79-P	40,21	40,21	2041,37	12,33	2.424
21-80-P	40,21	40,21	1790,43	10,14	2.234
21-81-P	40,21	40,21	1790,94	11,08	2.389
21-82-P	40,21	40,21	1791,56	12,24	2.593
21-83-P	40,21	40,21	1792,28	13,59	2.828
21-84-P	40,21	40,21	1793,02	14,97	3.087
21-85-P	40,21	40,21	1793,49	15,83	3.330
21-86-P	40,21	40,21	1793,61	16,05	3.544
21-87-P	40,21	40,21	1793,47	15,80	3.767
21-88-P	40,21	40,21	1793,11	15,14	4.033
21-89-P	40,21	40,21	1792,67	14,31	4.339
21-90-P	40,21	40,21	1792,14	13,33	4.689
21-91-P	40,21	40,21	-1782,01	-5,37	4.890
21-92-P	40,21	40,21	-1781,78	-5,79	5.026
21-93-P	40,21	40,21	-1781,50	-6,29	5.188
21-94-P	40,21	40,21	-1781,28	-6,69	5.283
21-95-P	40,21	40,21	-1781,00	-7,20	5.401
21-96-P	40,21	40,21	-1780,65	-7,83	5.549
21-97-P	40,21	40,21	-1780,31	-8,44	5.747
21-98-P	40,21	40,21	-1780,07	-8,88	6.045
21-99-P	40,21	40,21	-1779,87	-9,24	6.384
21-100-P	32,17	32,17	-1425,33	-7,60	5.657
21-101-P	16,08	16,08	-713,31	-3,44	5.275
22-1-P	32,17	32,17	-1418,13	-10,85	12.376
22-2-P	32,17	32,17	-1421,73	-11,73	5.992
22-3-P	40,21	40,21	-1776,40	-15,52	6.013
22-4-P	40,21	40,21	-1776,09	-16,09	5.923
22-5-P	40,21	40,21	-1775,64	-16,89	5.903
22-6-P	40,21	40,21	-1775,20	-17,69	5.883
22-7-P	40,21	40,21	-1774,88	-18,27	5.855
22-8-P	40,21	40,21	-1774,68	-18,64	5.807
22-9-P	40,21	40,21	-1774,51	-18,95	5.745
22-10-P	40,21	40,21	-1774,36	-19,21	5.667
22-11-P	40,21	40,21	-1774,24	-19,44	5.580
22-12-P	40,21	40,21	-1773,98	-19,90	5.518
22-13-P	40,21	40,21	-1773,39	-20,97	5.522
22-14-P	40,21	40,21	-1772,80	-22,04	5.516
22-15-P	40,21	40,21	-1772,23	-23,07	5.501
22-16-P	40,21	40,21	-1771,69	-24,05	5.476
22-17-P	40,21	40,21	-1776,19	-15,90	5.294
22-18-P	40,21	40,21	-1775,98	-16,29	4.936
22-19-P	40,21	40,21	-1776,15	-15,98	4.706
22-20-P	40,21	40,21	-1776,51	-15,32	4.503
22-21-P	40,21	40,21	-1777,02	-14,39	4.292
22-22-P	40,21	40,21	-1777,65	-13,25	4.077
22-23-P	40,21	40,21	-1778,23	-12,21	3.879
22-24-P	40,21	40,21	-1778,76	-11,26	3.697

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
22-25-P	40,21	48,25	-2424,06	-16,40	4.827
22-26-P	40,21	48,25	-2719,20	-18,86	5.282
22-27-P	40,21	56,30	-3508,49	-24,24	6.616
22-28-P	40,21	64,34	-4002,75	-24,46	7.294
22-29-P	40,21	72,38	2634,24	-110,13	7.824
22-30-P	40,21	72,38	2926,17	-119,52	7.401
22-31-P	40,21	64,34	2939,83	-103,69	6.110
22-32-P	40,21	56,30	2956,10	-85,35	4.791
22-33-P	40,21	48,25	2964,14	-73,73	3.954
22-34-P	40,21	40,21	2967,95	-65,89	3.387
22-35-P	40,21	40,21	2973,16	-60,34	2.982
22-36-P	40,21	40,21	2977,17	-56,05	2.669
22-37-P	40,21	40,21	2981,02	-51,94	2.396
22-38-P	40,21	40,21	2984,23	-48,52	2.177
22-39-P	40,21	40,21	2986,90	-45,67	1.995
22-40-P	40,21	40,21	2989,15	-43,26	1.841
22-41-P	40,21	40,21	2991,08	-41,20	1.709
22-42-P	40,21	40,21	2992,82	-39,35	1.592
22-43-P	40,21	40,21	2994,59	-37,46	1.482
22-44-P	40,21	40,21	2995,56	-36,43	1.421
22-45-P	40,21	40,21	2995,94	-36,02	1.396
22-46-P	40,21	40,21	2996,33	-35,60	1.371
22-47-P	40,21	40,21	2996,82	-35,08	1.343
22-48-P	40,21	40,21	2997,31	-34,55	1.314
22-49-P	40,21	40,21	2997,79	-34,04	1.287
22-50-P	40,21	40,21	2997,65	-34,19	1.304
22-51-P	40,21	40,21	2997,25	-34,62	1.341
22-52-P	40,21	40,21	2996,77	-35,14	1.383
22-53-P	40,21	40,21	2996,19	-35,75	1.433
22-54-P	40,21	40,21	2995,59	-36,39	1.488
22-55-P	40,21	40,21	2994,59	-37,46	1.579
22-56-P	40,21	40,21	2993,25	-38,89	1.706
22-57-P	40,21	40,21	2991,72	-40,52	1.853
22-58-P	40,21	40,21	2990,07	-42,28	2.019
22-59-P	40,21	40,21	2988,15	-44,34	2.214
22-60-P	40,21	40,21	2986,01	-46,61	2.438
22-61-P	40,21	40,21	2983,76	-49,02	2.685
22-62-P	40,21	40,21	3033,10	3,79	2.759
22-63-P	40,21	40,21	3033,56	4,30	2.764
22-64-P	40,21	48,25	3037,81	4,82	2.770
22-65-P	40,21	56,30	3041,43	5,35	2.775
22-66-P	40,21	64,34	3044,55	5,89	2.777
22-67-P	40,21	72,38	3047,79	6,79	2.837
22-68-P	40,21	72,38	2797,29	6,90	2.711
22-69-P	40,21	64,34	2544,92	6,71	2.564
22-70-P	40,21	56,30	2543,43	7,64	2.655
22-71-P	40,21	48,25	2290,51	6,96	2.472
22-72-P	40,21	48,25	2040,29	6,13	2.273
22-73-P	40,21	40,21	1787,68	5,03	2.083
22-74-P	40,21	40,21	1787,90	5,44	2.179
22-75-P	40,21	40,21	1788,15	5,91	2.285
22-76-P	40,21	40,21	1788,44	6,43	2.401
22-77-P	40,21	40,21	1788,76	7,04	2.529
22-78-P	40,21	40,21	1789,09	7,65	2.663
22-79-P	40,21	40,21	1789,40	8,22	2.860
22-80-P	40,21	40,21	1789,46	8,34	3.060
22-81-P	40,21	40,21	1789,27	7,99	3.238
22-82-P	40,21	40,21	1789,03	7,54	3.431
22-83-P	40,21	40,21	1788,75	7,03	3.646
22-84-P	40,21	40,21	1788,44	6,44	3.887
22-85-P	40,21	40,21	1788,06	5,73	4.156
22-86-P	40,21	40,21	1787,34	4,40	4.410
22-87-P	40,21	40,21	1786,39	2,63	4.606
22-88-P	40,21	40,21	1785,35	0,69	4.788
22-89-P	40,21	40,21	1784,19	-1,41	4.985
22-90-P	40,21	40,21	1782,97	-3,61	5.193
22-91-P	40,21	40,21	1781,93	-5,49	5.384
22-92-P	40,21	40,21	1781,06	-7,05	5.606
22-93-P	40,21	40,21	1780,38	-8,27	5.852
22-94-P	40,21	40,21	1779,71	-9,47	6.125
22-95-P	32,17	32,17	1423,65	-8,20	6.283
22-96-P	16,08	16,08	711,83	-4,20	6.629
23-1-P	24,13	24,13	-1060,96	-13,27	12.026
23-2-P	24,13	24,13	-1063,47	-14,95	6.201
23-3-P	40,21	40,21	-1769,59	-27,58	7.218
23-4-P	40,21	40,21	-1769,17	-28,60	7.098
23-5-P	40,21	40,21	-1768,63	-29,58	7.077
23-6-P	40,21	40,21	-1768,22	-30,33	7.024
23-7-P	40,21	40,21	-1767,96	-30,80	6.933
23-8-P	40,21	40,21	-1767,85	-31,00	6.804
23-9-P	40,21	40,21	-1767,50	-31,62	6.719
23-10-P	40,21	40,21	-1767,01	-32,51	6.664
23-11-P	40,21	40,21	-1766,57	-33,32	6.596
23-12-P	40,21	40,21	-1766,14	-34,08	6.519
23-13-P	40,21	40,21	-1765,73	-34,83	6.436
23-14-P	40,21	40,21	-1765,32	-35,56	6.347
23-15-P	40,21	40,21	-1764,54	-36,98	6.351
23-16-P	40,21	40,21	-1781,58	-6,14	6.375
23-17-P	40,21	40,21	-1781,18	-6,86	6.085

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
23-18-P	40,21	40,21	-1780,83	-7,51	5.813
23-19-P	40,21	40,21	-1780,50	-8,10	5.558
23-20-P	40,21	40,21	-1780,31	-8,45	5.303
23-21-P	40,21	40,21	-1780,31	-8,45	5.038
23-22-P	40,21	40,21	-1780,49	-8,12	4.820
23-23-P	40,21	40,21	-1780,77	-7,62	4.715
23-24-P	40,21	40,21	-1781,13	-6,96	4.590
23-25-P	40,21	40,21	-1781,52	-6,25	4.459
23-26-P	40,21	40,21	1761,59	-42,07	4.328
23-27-P	40,21	40,21	1762,86	-39,79	3.916
23-28-P	40,21	40,21	2003,17	-48,51	4.049
23-29-P	40,21	48,25	1916,96	-43,12	3.455
23-30-P	40,21	48,25	2168,75	-49,46	3.417
23-31-P	40,21	56,30	2254,82	-46,71	3.109
23-32-P	40,21	56,30	2496,11	-52,54	3.052
23-33-P	40,21	56,30	2499,00	-48,87	2.742
23-34-P	40,21	56,30	2739,45	-54,98	2.721
23-35-P	40,21	56,30	2742,47	-51,49	2.470
23-36-P	40,21	56,30	2983,08	-56,73	2.439
23-37-P	40,21	48,25	2983,02	-53,64	2.255
23-38-P	40,21	56,30	2988,06	-51,45	2.121
23-39-P	40,21	48,25	2986,68	-49,75	2.017
23-40-P	40,21	48,25	2987,98	-48,36	1.929
23-41-P	40,21	48,25	2989,18	-47,09	1.849
23-42-P	40,21	40,21	2986,33	-46,28	1.793
23-43-P	40,21	40,21	2986,52	-46,07	1.766
23-44-P	40,21	40,21	2986,70	-45,88	1.742
23-45-P	40,21	40,21	2986,83	-45,74	1.724
23-46-P	40,21	40,21	2987,00	-45,56	1.712
23-47-P	40,21	40,21	2986,98	-45,59	1.718
23-48-P	40,21	40,21	2986,82	-45,75	1.739
23-49-P	40,21	40,21	2986,64	-45,94	1.769
23-50-P	40,21	40,21	2986,43	-46,17	1.806
23-51-P	40,21	48,25	2989,53	-46,71	1.857
23-52-P	40,21	48,25	2988,60	-47,70	1.932
23-53-P	40,21	48,25	2987,53	-48,84	2.017
23-54-P	40,21	56,30	2989,14	-50,31	2.126
23-55-P	40,21	48,25	2984,50	-52,06	2.261
23-56-P	40,21	56,30	2985,24	-54,44	2.442
23-57-P	40,21	56,30	2745,08	-48,48	2.463
23-58-P	40,21	56,30	2742,68	-51,24	2.709
23-59-P	40,21	56,30	2501,83	-45,29	2.738
23-60-P	40,21	56,30	2538,94	1,75	2.952
23-61-P	40,21	56,30	2289,33	1,74	2.651
23-62-P	40,21	48,25	2203,96	1,96	2.536
23-63-P	40,21	48,25	1926,78	1,72	2.201
23-64-P	40,21	40,21	2035,13	2,12	2.370
23-65-P	40,21	40,21	1785,95	1,81	2.138
23-66-P	40,21	40,21	1786,09	2,07	2.198
23-67-P	40,21	40,21	1786,25	2,37	2.262
23-68-P	40,21	40,21	1786,43	2,69	2.329
23-69-P	40,21	40,21	1786,61	3,03	2.399
23-70-P	40,21	40,21	1786,72	3,23	2.506
23-71-P	40,21	40,21	1786,78	3,35	2.613
23-72-P	40,21	40,21	1786,79	3,38	2.715
23-73-P	40,21	40,21	1786,76	3,31	2.813
23-74-P	40,21	40,21	1786,67	3,15	2.902
23-75-P	40,21	40,21	1786,51	2,85	2.981
23-76-P	40,21	40,21	1786,24	2,34	3.073
23-77-P	40,21	40,21	1785,91	1,73	3.175
23-78-P	40,21	40,21	1785,54	1,05	3.306
23-79-P	40,21	40,21	1785,12	0,27	3.479
23-80-P	40,21	40,21	1784,61	-0,66	3.701
23-81-P	40,21	40,21	1784,02	-1,73	3.957
23-82-P	40,21	40,21	1783,29	-3,03	4.185
23-83-P	40,21	40,21	1782,45	-4,54	4.372
23-84-P	40,21	40,21	1781,61	-6,05	4.571
23-85-P	40,21	40,21	1780,67	-7,74	4.778
23-86-P	40,21	40,21	1779,73	-9,44	4.951
23-87-P	40,21	40,21	1779,09	-10,59	5.089
23-88-P	40,21	40,21	1778,62	-11,44	5.214
23-89-P	40,21	40,21	1777,98	-12,32	5.429
23-90-P	24,13	24,13	1067,51	-7,59	4.977
23-91-P	8,04	8,04	356,81	-2,60	3.479
24-1-P	16,08	16,08	-704,32	-15,13	11.884
24-2-P	16,08	16,08	-706,32	-16,51	6.119
24-3-P	32,17	32,17	-1408,59	-35,54	8.313
24-4-P	40,21	40,21	-1759,12	-46,78	8.611
24-5-P	40,21	40,21	-1758,58	-47,77	8.462
24-6-P	40,21	40,21	-1758,01	-48,79	8.317
24-7-P	40,21	40,21	-1757,52	-49,68	8.181
24-8-P	40,21	40,21	-1757,08	-50,49	8.060
24-9-P	40,21	40,21	-1756,34	-51,82	8.017
24-10-P	40,21	40,21	-1755,45	-53,42	8.007
24-11-P	40,21	40,21	-1754,40	-55,33	8.026
24-12-P	40,21	40,21	-1753,22	-57,46	8.066
24-13-P	40,21	40,21	-1751,79	-60,05	8.156
24-14-P	40,21	40,21	-1789,24	7,99	8.202
24-15-P	40,21	40,21	-1788,23	6,11	7.758

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
24-16-P	40,21	40,21	-1787,32	4,40	7.322
24-17-P	40,21	40,21	-1786,50	2,86	6.902
24-18-P	40,21	40,21	-1785,82	1,57	6.541
24-19-P	40,21	40,21	1754,86	-54,18	5.976
24-20-P	40,21	40,21	1756,51	-51,21	5.442
24-21-P	40,21	40,21	1758,04	-48,46	4.968
24-22-P	40,21	40,21	1759,48	-45,86	4.537
24-23-P	40,21	40,21	1760,85	-43,41	4.142
24-24-P	40,21	40,21	1762,11	-41,14	3.785
24-25-P	40,21	40,21	1763,28	-39,03	3.463
24-26-P	40,21	40,21	1764,54	-36,77	3.151
24-27-P	40,21	40,21	1765,82	-34,47	2.860
24-28-P	40,21	40,21	1766,97	-32,40	2.607
24-29-P	40,21	40,21	1768,01	-30,52	2.386
24-30-P	40,21	40,21	1768,92	-28,89	2.199
24-31-P	40,21	40,21	1769,70	-27,48	2.038
24-32-P	40,21	40,21	1770,36	-26,29	1.904
24-33-P	40,21	40,21	1770,95	-25,23	1.787
24-34-P	40,21	40,21	1771,48	-24,29	1.692
24-35-P	40,21	40,21	1771,96	-23,42	1.607
24-36-P	40,21	40,21	1772,39	-22,64	1.530
24-37-P	40,21	40,21	2015,93	-28,33	1.666
24-38-P	40,21	40,21	2016,37	-27,62	1.603
24-39-P	40,21	48,25	2019,34	-27,09	1.553
24-40-P	40,21	48,25	2019,52	-26,80	1.523
24-41-P	40,21	48,25	2019,57	-26,74	1.519
24-42-P	40,21	48,25	2019,58	-26,71	1.519
24-43-P	40,21	40,21	2016,99	-26,65	1.516
24-44-P	40,21	48,25	2019,61	-26,66	1.518
24-45-P	40,21	48,25	2019,62	-26,65	1.519
24-46-P	40,21	48,25	2019,58	-26,72	1.527
24-47-P	40,21	48,25	2019,45	-26,91	1.551
24-48-P	40,21	40,21	2016,55	-27,35	1.598
24-49-P	40,21	40,21	2016,12	-28,03	1.665
24-50-P	40,21	40,21	1772,52	-22,42	1.536
24-51-P	40,21	40,21	1772,13	-23,12	1.613
24-52-P	40,21	40,21	1771,70	-23,89	1.699
24-53-P	40,21	40,21	1771,25	-24,70	1.794
24-54-P	40,21	40,21	1770,78	-25,55	1.899
24-55-P	40,21	40,21	1770,24	-26,52	2.021
24-56-P	40,21	40,21	1769,56	-27,74	2.176
24-57-P	40,21	40,21	1768,70	-29,29	2.376
24-58-P	40,21	40,21	1784,74	-0,42	2.538
24-59-P	40,21	40,21	1784,86	-0,22	2.511
24-60-P	40,21	40,21	1784,95	-0,05	2.561
24-61-P	40,21	40,21	1785,01	0,06	2.636
24-62-P	40,21	40,21	1785,03	0,10	2.705
24-63-P	40,21	40,21	1785,01	0,06	2.765
24-64-P	40,21	40,21	1784,95	-0,05	2.817
24-65-P	40,21	40,21	1784,85	-0,23	2.859
24-66-P	40,21	40,21	1784,66	-0,57	2.899
24-67-P	40,21	40,21	1784,34	-1,15	2.950
24-68-P	40,21	40,21	1784,02	-1,72	3.008
24-69-P	40,21	40,21	1783,71	-2,28	3.073
24-70-P	40,21	40,21	1783,40	-2,83	3.140
24-71-P	40,21	40,21	1783,11	-3,36	3.210
24-72-P	40,21	40,21	1782,73	-4,05	3.298
24-73-P	40,21	40,21	1782,28	-4,86	3.409
24-74-P	40,21	40,21	1781,81	-5,71	3.525
24-75-P	40,21	40,21	1781,31	-6,59	3.647
24-76-P	40,21	40,21	1780,80	-7,51	3.779
24-77-P	40,21	40,21	1780,38	-8,28	3.929
24-78-P	40,21	40,21	1779,97	-9,01	4.097
24-79-P	40,21	40,21	1779,49	-9,87	4.231
24-80-P	40,21	40,21	1779,02	-10,72	4.379
24-81-P	40,21	40,21	1778,50	-11,66	4.542
24-82-P	40,21	40,21	1777,90	-12,73	4.730
24-83-P	32,17	32,17	1422,24	-10,78	4.756
24-84-P	16,08	16,08	712,35	-5,59	3.668
24-85-P	8,04	8,04	356,12	-2,89	3.768
25-1-P	16,08	16,08	-698,23	-25,29	18.087
25-2-P	16,08	16,08	-699,38	-27,33	9.263
25-3-P	24,13	24,13	-1047,42	-43,99	9.446
25-4-P	32,17	32,17	-1393,99	-63,05	9.821
25-5-P	40,21	40,21	-1737,49	-85,93	11.321
25-6-P	40,21	40,21	-1735,04	-90,37	11.496
25-7-P	40,21	40,21	-1732,99	-94,07	11.579
25-8-P	40,21	40,21	1732,91	-93,66	11.181
25-9-P	40,21	40,21	1735,91	-88,26	10.236
25-10-P	40,21	40,21	1738,69	-83,27	9.400
25-11-P	40,21	40,21	1741,45	-78,30	8.623
25-12-P	40,21	40,21	1744,19	-73,37	7.895
25-13-P	40,21	40,21	1746,54	-69,15	7.270
25-14-P	40,21	40,21	1748,40	-65,79	6.729
25-15-P	40,21	40,21	1750,20	-62,57	6.206
25-16-P	40,21	40,21	1752,06	-59,21	5.693
25-17-P	40,21	40,21	1753,98	-55,76	5.194
25-18-P	40,21	40,21	1755,77	-52,54	4.743
25-19-P	40,21	40,21	1757,39	-49,63	4.347

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
25-20-P	40,21	40,21	1758,81	-47,08	4.008
25-21-P	40,21	40,21	1760,00	-44,93	3.727
25-22-P	40,21	40,21	1761,04	-43,07	3.488
25-23-P	40,21	40,21	1762,05	-41,25	3.266
25-24-P	40,21	40,21	1763,12	-39,32	3.045
25-25-P	40,21	40,21	1764,24	-37,30	2.829
25-26-P	40,21	40,21	1765,29	-35,42	2.631
25-27-P	40,21	40,21	1766,26	-33,67	2.451
25-28-P	40,21	40,21	1767,11	-32,14	2.293
25-29-P	40,21	40,21	1767,81	-30,89	2.164
25-30-P	40,21	40,21	1768,38	-29,86	2.058
25-31-P	40,21	40,21	1768,78	-29,14	1.983
25-32-P	40,21	40,21	1769,03	-28,69	1.936
25-33-P	40,21	40,21	1769,26	-28,27	1.892
25-34-P	40,21	40,21	1769,51	-27,83	1.847
25-35-P	40,21	40,21	1769,76	-27,38	1.802
25-36-P	40,21	40,21	1770,01	-26,93	1.757
25-37-P	40,21	40,21	1770,25	-26,50	1.715
25-38-P	40,21	40,21	1770,44	-26,16	1.681
25-39-P	40,21	40,21	1770,46	-26,11	1.678
25-40-P	40,21	40,21	1770,39	-26,24	1.691
25-41-P	40,21	40,21	1770,27	-26,46	1.715
25-42-P	40,21	40,21	1770,13	-26,71	1.742
25-43-P	40,21	40,21	1769,98	-26,97	1.770
25-44-P	40,21	40,21	1769,84	-27,24	1.798
25-45-P	40,21	40,21	1769,70	-27,49	1.826
25-46-P	40,21	40,21	1769,57	-27,72	1.851
25-47-P	40,21	40,21	1769,27	-28,26	1.907
25-48-P	40,21	40,21	1768,81	-29,09	1.993
25-49-P	40,21	40,21	1768,21	-30,17	2.107
25-50-P	40,21	40,21	1767,53	-31,38	2.237
25-51-P	40,21	40,21	1766,80	-32,70	2.377
25-52-P	40,21	40,21	1766,02	-34,10	2.531
25-53-P	40,21	40,21	1765,22	-35,55	2.694
25-54-P	40,21	40,21	1764,46	-36,90	2.856
25-55-P	40,21	40,21	1763,79	-38,11	3.010
25-56-P	40,21	40,21	1783,25	-3,11	3.085
25-57-P	40,21	40,21	1783,00	-3,56	3.147
25-58-P	40,21	40,21	1782,74	-4,03	3.210
25-59-P	40,21	40,21	1782,48	-4,50	3.273
25-60-P	40,21	40,21	1782,22	-4,96	3.335
25-61-P	40,21	40,21	1781,95	-5,45	3.394
25-62-P	40,21	40,21	1781,68	-5,94	3.442
25-63-P	40,21	40,21	1781,27	-6,66	3.485
25-64-P	40,21	40,21	1780,88	-7,37	3.522
25-65-P	40,21	40,21	1780,51	-8,04	3.550
25-66-P	40,21	40,21	1780,17	-8,65	3.570
25-67-P	40,21	40,21	1779,83	-9,27	3.589
25-68-P	40,21	40,21	1779,41	-10,03	3.620
25-69-P	40,21	40,21	1779,02	-10,72	3.650
25-70-P	40,21	40,21	1778,65	-11,39	3.689
25-71-P	40,21	40,21	1778,27	-12,07	3.755
25-72-P	40,21	40,21	1777,87	-12,80	3.904
25-73-P	40,21	40,21	1777,52	-13,41	4.073
25-74-P	40,21	40,21	1777,16	-14,07	4.256
25-75-P	32,17	32,17	1422,41	-11,57	4.009
25-76-P	24,13	24,13	1066,84	-8,81	4.039
25-77-P	16,08	16,08	711,19	-5,95	4.122
25-78-P	8,04	8,04	355,57	-3,01	4.207
26-1-P	8,04	8,04	362,76	11,06	13.972
26-2-P	8,04	8,04	363,90	10,06	6.363
26-3-P	16,08	16,08	694,63	-37,37	7.575
26-4-P	24,13	24,13	1042,50	-53,27	8.004
26-5-P	32,17	32,17	1389,80	-69,83	8.401
26-6-P	40,21	40,21	1737,15	-86,04	8.646
26-7-P	40,21	40,21	1737,71	-85,03	8.327
26-8-P	40,21	40,21	1738,80	-83,07	7.932
26-9-P	40,21	40,21	1741,35	-78,48	7.283
26-10-P	40,21	40,21	1743,68	-74,30	6.706
26-11-P	40,21	40,21	1745,79	-70,50	6.195
26-12-P	40,21	40,21	1747,57	-67,30	5.763
26-13-P	40,21	40,21	1749,13	-64,49	5.384
26-14-P	40,21	40,21	1750,63	-61,79	5.024
26-15-P	40,21	40,21	1752,15	-59,06	4.687
26-16-P	40,21	40,21	1753,86	-55,98	4.342
26-17-P	40,21	40,21	1755,59	-52,87	4.011
26-18-P	40,21	40,21	1757,16	-50,03	3.716
26-19-P	40,21	40,21	1758,59	-47,48	3.453
26-20-P	40,21	40,21	1759,85	-45,21	3.223
26-21-P	40,21	40,21	1761,07	-43,01	3.013
26-22-P	40,21	40,21	1761,92	-41,48	2.865
26-23-P	40,21	40,21	1762,55	-40,34	2.752
26-24-P	40,21	40,21	1763,17	-39,24	2.644
26-25-P	40,21	40,21	1763,75	-38,19	2.542
26-26-P	40,21	40,21	1764,30	-37,20	2.447
26-27-P	40,21	40,21	1764,77	-36,36	2.366
26-28-P	40,21	40,21	1765,00	-35,93	2.323
26-29-P	40,21	40,21	1765,26	-35,47	2.279
26-30-P	40,21	40,21	1765,52	-35,01	2.235

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
26-31-P	40,21	40,21	1765,77	-34,55	2.193
26-32-P	40,21	40,21	1766,02	-34,11	2.152
26-33-P	40,21	40,21	1766,25	-33,69	2.112
26-34-P	40,21	40,21	1766,34	-33,53	2.094
26-35-P	40,21	40,21	1766,24	-33,72	2.105
26-36-P	40,21	40,21	1766,13	-33,91	2.116
26-37-P	40,21	40,21	1766,01	-34,12	2.131
26-38-P	40,21	40,21	1765,88	-34,35	2.148
26-39-P	40,21	40,21	1765,75	-34,59	2.168
26-40-P	40,21	40,21	1765,59	-34,88	2.195
26-41-P	40,21	40,21	1765,30	-35,40	2.243
26-42-P	40,21	40,21	1764,89	-36,14	2.310
26-43-P	40,21	40,21	1764,46	-36,91	2.380
26-44-P	40,21	40,21	1764,01	-37,71	2.454
26-45-P	40,21	40,21	1763,52	-38,61	2.536
26-46-P	40,21	40,21	1762,74	-40,00	2.663
26-47-P	40,21	40,21	1761,76	-41,77	2.827
26-48-P	40,21	40,21	1760,84	-43,43	2.990
26-49-P	40,21	40,21	1759,90	-45,11	3.161
26-50-P	40,21	40,21	1758,91	-46,90	3.345
26-51-P	40,21	40,21	1757,87	-48,76	3.542
26-52-P	40,21	40,21	1780,88	-7,38	3.676
26-53-P	40,21	40,21	1780,53	-7,99	3.734
26-54-P	40,21	40,21	1780,13	-8,72	3.811
26-55-P	40,21	40,21	1779,71	-9,48	3.873
26-56-P	40,21	40,21	1779,26	-10,28	3.923
26-57-P	40,21	40,21	1778,81	-11,10	3.969
26-58-P	40,21	40,21	1778,35	-11,93	4.013
26-59-P	40,21	40,21	1777,92	-12,69	4.032
26-60-P	40,21	40,21	1777,58	-13,32	4.037
26-61-P	40,21	40,21	1777,28	-13,84	4.033
26-62-P	40,21	40,21	1777,05	-14,26	4.020
26-63-P	40,21	40,21	1776,84	-14,64	4.033
26-64-P	40,21	40,21	1776,63	-15,02	4.050
26-65-P	32,17	32,17	1421,89	-12,12	3.744
26-66-P	24,13	24,13	1067,06	-9,14	3.380
26-67-P	16,08	16,08	712,00	-6,20	2.977
26-68-P	8,04	8,04	356,70	-3,20	2.313
26-69-P	8,04	8,04	354,99	-3,29	4.765
27-1-P	16,08	8,04	-364,53	11,28	19.903
27-2-P	8,04	8,04	348,64	-16,66	5.104
27-3-P	16,08	16,08	696,58	-31,76	6.594
27-4-P	16,08	16,08	698,33	-30,62	4.835
27-5-P	24,13	24,13	1046,80	-44,57	5.623
27-6-P	32,17	32,17	1395,61	-57,79	6.019
27-7-P	32,17	32,17	1397,59	-56,35	4.963
27-8-P	40,21	40,21	1746,61	-68,86	5.315
27-9-P	40,21	40,21	1747,66	-67,14	5.013
27-10-P	40,21	40,21	1748,72	-65,23	4.761
27-11-P	40,21	40,21	1749,94	-63,03	4.502
27-12-P	40,21	40,21	1751,47	-60,27	4.220
27-13-P	40,21	40,21	1753,27	-57,05	3.925
27-14-P	40,21	40,21	1754,88	-54,15	3.665
27-15-P	40,21	40,21	1756,33	-51,54	3.432
27-16-P	40,21	40,21	1757,54	-49,35	3.237
27-17-P	40,21	40,21	1758,28	-48,04	3.112
27-18-P	40,21	40,21	1758,56	-47,52	3.047
27-19-P	40,21	40,21	1758,83	-47,03	2.988
27-20-P	40,21	40,21	1759,01	-46,71	2.942
27-21-P	40,21	40,21	1759,17	-46,42	2.900
27-22-P	40,21	40,21	1759,34	-46,13	2.863
27-23-P	40,21	40,21	1759,52	-45,79	2.826
27-24-P	40,21	40,21	1759,75	-45,39	2.785
27-25-P	40,21	40,21	1760,01	-44,92	2.740
27-26-P	40,21	40,21	1760,33	-44,34	2.690
27-27-P	40,21	40,21	1760,65	-43,77	2.642
27-28-P	40,21	40,21	1760,53	-43,98	2.648
27-29-P	40,21	40,21	1760,46	-44,11	2.653
27-30-P	40,21	40,21	1760,40	-44,21	2.654
27-31-P	40,21	40,21	1760,42	-44,17	2.648
27-32-P	40,21	40,21	1760,49	-44,05	2.637
27-33-P	40,21	40,21	1760,54	-43,96	2.630
27-34-P	40,21	40,21	1760,44	-44,14	2.646
27-35-P	40,21	40,21	1760,27	-44,45	2.671
27-36-P	40,21	40,21	1760,01	-44,91	2.712
27-37-P	40,21	40,21	1759,62	-45,62	2.772
27-38-P	40,21	40,21	1758,91	-46,90	2.875
27-39-P	40,21	40,21	1757,91	-48,70	3.018
27-40-P	40,21	40,21	1756,68	-50,90	3.191
27-41-P	40,21	40,21	1755,34	-53,32	3.382
27-42-P	40,21	40,21	1754,01	-55,72	3.583
27-43-P	40,21	40,21	1752,86	-57,77	3.775
27-44-P	40,21	40,21	1751,99	-59,34	3.947
27-45-P	40,21	40,21	1751,40	-60,41	4.094
27-46-P	40,21	40,21	1751,06	-61,02	4.215
27-47-P	40,21	40,21	1778,52	-11,62	4.295
27-48-P	40,21	40,21	1778,18	-12,24	4.299
27-49-P	40,21	40,21	1777,80	-12,92	4.315
27-50-P	40,21	40,21	1777,28	-13,68	4.384

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
27-51-P	32,17	32,17	1422,51	-11,54	3.923
27-52-P	32,17	32,17	1421,06	-12,00	4.519
27-53-P	24,13	24,13	1066,41	-9,32	3.990
27-54-P	16,08	16,08	711,81	-6,42	3.233
27-55-P	16,08	16,08	710,59	-6,56	4.100
27-56-P	8,04	8,04	356,07	-3,33	2.916
27-57-P	16,08	8,04	699,24	-6,59	11.411
28-1-P	8,04	8,04	348,41	-13,54	11.199
28-2-P	8,04	8,04	349,48	-13,07	5.293
28-3-P	8,04	8,04	350,60	-12,62	3.338
28-4-P	8,04	8,04	351,58	-12,19	2.369
28-5-P	16,08	16,08	701,35	-23,24	3.657
28-6-P	16,08	16,08	702,37	-22,50	3.046
28-7-P	16,08	16,08	703,21	-22,00	2.608
28-8-P	24,13	24,13	1053,20	-32,24	3.388
28-9-P	24,13	24,13	1054,18	-31,57	2.973
28-10-P	24,13	24,13	1054,84	-31,43	2.687
28-11-P	32,17	32,17	1404,25	-42,14	3.399
28-12-P	32,17	32,17	1404,46	-42,45	3.238
28-13-P	32,17	32,17	1404,66	-42,75	3.091
28-14-P	32,17	32,17	1404,92	-42,94	2.950
28-15-P	32,17	32,17	1405,44	-42,66	2.795
28-16-P	32,17	32,17	1406,00	-42,05	2.674
28-17-P	32,17	32,17	1406,34	-41,65	2.603
28-18-P	32,17	32,17	1406,53	-41,52	2.553
28-19-P	40,21	40,21	1755,93	-51,80	3.134
28-20-P	40,21	40,21	1756,05	-51,81	3.084
28-21-P	40,21	40,21	1756,02	-52,10	3.053
28-22-P	40,21	40,21	1755,76	-52,33	3.096
28-23-P	40,21	40,21	1755,68	-52,26	3.125
28-24-P	32,17	32,17	1406,48	-41,60	2.518
28-25-P	32,17	32,17	1406,59	-41,19	2.527
28-26-P	32,17	32,17	1406,65	-40,88	2.545
28-27-P	32,17	32,17	1406,54	-40,68	2.604
28-28-P	32,17	32,17	1406,11	-40,81	2.733
28-29-P	32,17	32,17	1405,42	-41,39	2.911
28-30-P	32,17	32,17	1404,66	-42,09	3.116
28-31-P	32,17	32,17	1403,70	-43,14	3.373
28-32-P	24,13	24,13	1053,63	-33,61	2.789
28-33-P	24,13	24,13	1052,30	-34,96	3.197
28-34-P	24,13	24,13	1051,12	-35,97	3.667
28-35-P	16,08	16,08	701,71	-24,71	2.838
28-36-P	16,08	16,08	700,77	-25,37	3.326
28-37-P	16,08	16,08	699,88	-25,88	3.945
28-38-P	8,04	8,04	351,03	-13,17	2.483
28-39-P	8,04	8,04	350,15	-13,43	3.444
28-40-P	8,04	8,04	355,18	-2,82	5.281
28-41-P	8,04	8,04	354,31	-2,91	10.461
29-1-S	8,04	8,04	357,85	3,55	9.339
29-2-S	8,04	8,04	358,52	3,29	4.502
29-3-S	8,04	8,04	359,27	3,05	2.897
29-4-S	8,04	8,04	359,90	2,82	2.100
29-5-S	16,08	16,08	717,01	5,09	3.271
29-6-S	16,08	16,08	717,35	4,58	2.711
29-7-S	16,08	16,08	717,70	4,14	2.300
29-8-S	24,13	24,13	1074,13	5,59	2.963
29-9-S	24,13	24,13	1074,46	5,04	2.581
29-10-S	24,13	24,13	1074,78	4,55	2.289
29-11-S	32,17	32,17	1430,60	5,44	2.830
29-12-S	32,17	32,17	1430,66	4,84	2.652
29-13-S	32,17	32,17	1430,71	4,23	2.506
29-14-S	32,17	32,17	1430,76	3,63	2.377
29-15-S	32,17	32,17	1430,81	3,04	2.257
29-16-S	32,17	32,17	1430,73	2,47	2.175
29-17-S	32,17	32,17	1430,56	1,93	2.123
29-18-S	32,17	32,17	1430,40	1,42	2.076
29-19-S	40,21	40,21	1785,35	1,16	2.536
29-20-S	40,21	40,21	1785,15	0,56	2.485
29-21-S	40,21	40,21	1784,95	-0,06	2.451
29-22-S	40,21	40,21	1784,46	-0,70	2.484
29-23-S	40,21	40,21	1783,97	-1,36	2.516
29-24-S	32,17	32,17	1428,73	-1,63	2.040
29-25-S	32,17	32,17	1428,31	-2,17	2.060
29-26-S	32,17	32,17	1427,93	-2,64	2.064
29-27-S	32,17	32,17	1427,49	-3,03	2.079
29-28-S	32,17	32,17	1426,91	-3,41	2.133
29-29-S	32,17	32,17	1426,33	-3,79	2.205
29-30-S	32,17	32,17	1425,74	-4,18	2.289
29-31-S	32,17	32,17	1425,14	-4,57	2.389
29-32-S	24,13	24,13	1070,25	-3,75	1.892
29-33-S	24,13	24,13	1069,48	-4,08	2.078
29-34-S	24,13	24,13	1068,66	-4,42	2.313
29-35-S	16,08	16,08	713,70	-3,19	1.738
29-36-S	16,08	16,08	712,98	-3,43	1.979
29-37-S	16,08	16,08	712,25	-3,65	2.281
29-38-S	8,04	8,04	357,32	-1,92	1.390
29-39-S	8,04	8,04	356,53	-1,98	1.848
29-40-S	8,04	8,04	355,61	-2,05	2.760
29-41-S	8,04	8,04	354,75	-2,11	5.498

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
30-1-S	16,08	8,04	709,56	14,46	19.336
30-2-S	8,04	8,04	361,54	6,73	4.608
30-3-S	16,08	16,08	720,73	12,07	5.962
30-4-S	16,08	16,08	721,25	10,92	4.352
30-5-S	24,13	24,13	1079,59	14,90	5.010
30-6-S	32,17	32,17	1437,48	18,14	5.321
30-7-S	32,17	32,17	1437,87	16,64	4.360
30-8-S	40,21	40,21	1795,25	19,27	4.659
30-9-S	40,21	40,21	1794,63	17,96	4.438
30-10-S	40,21	40,21	1793,96	16,71	4.274
30-11-S	40,21	40,21	1793,29	15,46	4.114
30-12-S	40,21	40,21	1792,57	14,12	3.942
30-13-S	40,21	40,21	1791,71	12,53	3.702
30-14-S	40,21	40,21	1790,93	11,08	3.478
30-15-S	40,21	40,21	1790,23	9,77	3.277
30-16-S	40,21	40,21	1789,61	8,61	3.103
30-17-S	40,21	40,21	1789,10	7,67	2.957
30-18-S	40,21	40,21	1788,65	6,84	2.842
30-19-S	40,21	40,21	1788,22	6,03	2.740
30-20-S	40,21	40,21	1787,81	5,27	2.651
30-21-S	40,21	40,21	1787,42	4,54	2.571
30-22-S	40,21	40,21	1787,06	3,88	2.523
30-23-S	40,21	40,21	1786,72	3,24	2.489
30-24-S	40,21	40,21	1786,39	2,63	2.455
30-25-S	40,21	40,21	1786,09	2,07	2.418
30-26-S	40,21	40,21	1785,80	1,53	2.379
30-27-S	40,21	40,21	1785,54	1,04	2.340
30-28-S	40,21	40,21	1785,28	0,57	2.322
30-29-S	40,21	40,21	1785,02	0,08	2.311
30-30-S	40,21	40,21	1784,75	-0,40	2.299
30-31-S	40,21	40,21	1784,48	-0,90	2.288
30-32-S	40,21	40,21	1784,21	-1,39	2.275
30-33-S	40,21	40,21	1783,93	-1,89	2.260
30-34-S	40,21	40,21	1783,65	-2,39	2.232
30-35-S	40,21	40,21	1783,38	-2,88	2.202
30-36-S	40,21	40,21	1783,14	-3,31	2.176
30-37-S	40,21	40,21	1782,92	-3,69	2.155
30-38-S	40,21	40,21	1782,72	-4,06	2.147
30-39-S	40,21	40,21	1782,48	-4,49	2.155
30-40-S	40,21	40,21	1782,19	-5,01	2.174
30-41-S	40,21	40,21	1781,88	-5,57	2.198
30-42-S	40,21	40,21	1781,57	-6,14	2.223
30-43-S	40,21	40,21	1781,23	-6,73	2.246
30-44-S	40,21	40,21	1780,92	-7,30	2.263
30-45-S	40,21	40,21	1780,62	-7,85	2.278
30-46-S	40,21	40,21	1780,32	-8,38	2.292
30-47-S	40,21	40,21	1780,08	-8,82	2.301
30-48-S	40,21	40,21	1779,84	-9,25	2.310
30-49-S	40,21	40,21	1779,62	-9,63	2.317
30-50-S	40,21	40,21	1779,33	-10,00	2.343
30-51-S	32,17	32,17	1424,35	-8,24	2.087
30-52-S	32,17	32,17	1422,93	-8,64	2.458
30-53-S	24,13	24,13	1067,80	-6,82	2.232
30-54-S	16,08	16,08	712,72	-4,78	1.862
30-55-S	16,08	16,08	711,48	-4,98	2.440
30-56-S	8,04	8,04	356,49	-2,58	1.794
30-57-S	16,08	8,04	699,96	-5,21	7.163
31-1-S	8,04	8,04	365,89	16,87	15.495
31-2-S	8,04	8,04	366,54	14,98	8.047
31-3-S	16,08	16,08	728,99	25,20	9.085
31-4-S	24,13	24,13	1089,70	32,67	9.122
31-5-S	32,17	32,17	1449,34	38,53	9.032
31-6-S	40,21	40,21	1808,14	43,10	8.879
31-7-S	40,21	40,21	1806,05	39,20	8.315
31-8-S	40,21	40,21	1804,00	35,39	7.810
31-9-S	40,21	40,21	1801,79	31,27	7.252
31-10-S	40,21	40,21	1799,85	27,67	6.765
31-11-S	40,21	40,21	1798,12	24,46	6.340
31-12-S	40,21	40,21	1796,63	21,67	5.967
31-13-S	40,21	40,21	1795,32	19,24	5.620
31-14-S	40,21	40,21	1794,23	17,20	5.278
31-15-S	40,21	40,21	1793,22	15,33	4.952
31-16-S	40,21	40,21	1792,23	13,49	4.633
31-17-S	40,21	40,21	1791,32	11,80	4.336
31-18-S	40,21	40,21	1790,51	10,30	4.072
31-19-S	40,21	40,21	1789,80	8,97	3.837
31-20-S	40,21	40,21	1789,14	7,75	3.621
31-21-S	40,21	40,21	1788,58	6,70	3.398
31-22-S	40,21	40,21	1788,13	5,86	3.202
31-23-S	40,21	40,21	1787,71	5,08	3.037
31-24-S	40,21	40,21	1787,32	4,36	2.889
31-25-S	40,21	40,21	1786,97	3,71	2.754
31-26-S	40,21	40,21	1786,66	3,12	2.632
31-27-S	40,21	40,21	1786,38	2,61	2.524
31-28-S	40,21	40,21	1786,22	2,31	2.442
31-29-S	40,21	40,21	1786,07	2,04	2.370
31-30-S	40,21	40,21	1785,91	1,74	2.306
31-31-S	40,21	40,21	1785,74	1,43	2.250
31-32-S	40,21	40,21	1785,57	1,10	2.201

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
31-33-S	40,21	40,21	1785,38	0,74	2.158
31-34-S	40,21	40,21	1785,19	0,39	2.125
31-35-S	40,21	40,21	1785,00	0,04	2.109
31-36-S	40,21	40,21	1784,81	-0,31	2.093
31-37-S	40,21	40,21	1784,65	-0,60	2.073
31-38-S	40,21	40,21	1784,52	-0,83	2.048
31-39-S	40,21	40,21	1784,42	-1,00	2.020
31-40-S	40,21	40,21	1784,34	-1,14	1.988
31-41-S	40,21	40,21	1784,24	-1,33	1.968
31-42-S	40,21	40,21	1784,07	-1,63	1.965
31-43-S	40,21	40,21	1783,90	-1,94	1.964
31-44-S	40,21	40,21	1783,73	-2,25	1.961
31-45-S	40,21	40,21	1783,55	-2,56	1.957
31-46-S	40,21	40,21	1783,39	-2,85	1.953
31-47-S	40,21	40,21	1783,25	-3,11	1.957
31-48-S	40,21	40,21	1783,09	-3,40	1.970
31-49-S	40,21	40,21	1782,83	-3,86	1.989
31-50-S	40,21	40,21	1782,58	-4,31	2.009
31-51-S	40,21	40,21	1782,35	-4,73	2.027
31-52-S	40,21	40,21	1782,11	-5,15	2.044
31-53-S	40,21	40,21	1781,89	-5,56	2.059
31-54-S	40,21	40,21	1781,64	-6,01	2.074
31-55-S	40,21	40,21	1781,36	-6,51	2.089
31-56-S	40,21	40,21	1781,06	-7,04	2.109
31-57-S	40,21	40,21	1780,76	-7,58	2.143
31-58-S	40,21	40,21	1780,44	-8,16	2.197
31-59-S	40,21	40,21	1780,14	-8,70	2.262
31-60-S	40,21	40,21	1779,86	-9,20	2.333
31-61-S	40,21	40,21	1779,61	-9,66	2.410
31-62-S	40,21	40,21	1779,32	-10,17	2.483
31-63-S	40,21	40,21	1778,99	-10,77	2.540
31-64-S	40,21	40,21	1778,62	-11,43	2.602
31-65-S	32,17	32,17	1423,33	-9,53	2.464
31-66-S	24,13	24,13	1067,97	-7,50	2.289
31-67-S	16,08	16,08	712,51	-5,29	2.044
31-68-S	8,04	8,04	356,95	-2,76	1.564
31-69-S	8,04	8,04	355,23	-2,86	3.170
32-1-S	16,08	16,08	720,99	16,28	16.135
32-2-S	16,08	16,08	724,08	17,85	8.376
32-3-S	24,13	24,13	1087,42	29,17	8.673
32-4-S	32,17	32,17	1451,64	42,41	9.157
32-5-S	40,21	40,21	1816,91	59,41	10.922
32-6-S	40,21	40,21	1819,96	65,08	11.617
32-7-S	40,21	40,21	1823,23	71,17	12.362
32-8-S	40,21	40,21	1826,74	77,69	13.160
32-9-S	40,21	40,21	-1797,92	24,28	13.551
32-10-S	40,21	40,21	-1797,60	23,69	13.066
32-11-S	40,21	40,21	1807,09	41,13	12.205
32-12-S	40,21	40,21	1802,88	33,30	10.877
32-13-S	40,21	40,21	1799,50	27,01	9.819
32-14-S	40,21	40,21	1796,83	22,05	8.976
32-15-S	40,21	40,21	1794,72	18,13	8.216
32-16-S	40,21	40,21	1792,98	14,88	7.486
32-17-S	40,21	40,21	1791,56	12,24	6.805
32-18-S	40,21	40,21	1790,38	10,06	6.221
32-19-S	40,21	40,21	1789,40	8,22	5.727
32-20-S	40,21	40,21	1788,55	6,65	5.306
32-21-S	40,21	40,21	1787,81	5,28	4.943
32-22-S	40,21	40,21	1787,17	4,07	4.627
32-23-S	40,21	40,21	1786,63	3,08	4.331
32-24-S	40,21	40,21	1786,28	2,43	4.023
32-25-S	40,21	40,21	1786,08	2,04	3.720
32-26-S	40,21	40,21	1785,91	1,73	3.453
32-27-S	40,21	40,21	1785,77	1,48	3.219
32-28-S	40,21	40,21	1785,65	1,25	3.016
32-29-S	40,21	40,21	1785,50	0,98	2.845
32-30-S	40,21	40,21	1785,34	0,67	2.699
32-31-S	40,21	40,21	1785,23	0,47	2.571
32-32-S	40,21	40,21	1785,20	0,41	2.470
32-33-S	40,21	40,21	1785,16	0,34	2.380
32-34-S	40,21	40,21	1785,13	0,28	2.296
32-35-S	40,21	40,21	1785,10	0,23	2.216
32-36-S	40,21	40,21	1785,08	0,19	2.140
32-37-S	40,21	40,21	1785,06	0,15	2.070
32-38-S	40,21	40,21	1785,05	0,13	2.000
32-39-S	40,21	40,21	1785,05	0,13	1.932
32-40-S	40,21	40,21	1785,05	0,13	1.879
32-41-S	40,21	40,21	1785,03	0,10	1.846
32-42-S	40,21	40,21	1785,00	0,05	1.820
32-43-S	40,21	40,21	1784,98	0,00	1.794
32-44-S	40,21	40,21	1784,95	-0,04	1.768
32-45-S	40,21	40,21	1784,92	-0,10	1.742
32-46-S	40,21	40,21	1784,90	-0,15	1.716
32-47-S	40,21	40,21	1784,85	-0,23	1.697
32-48-S	40,21	40,21	1784,79	-0,34	1.694
32-49-S	40,21	40,21	1784,75	-0,41	1.701
32-50-S	40,21	40,21	1784,75	-0,42	1.709
32-51-S	40,21	40,21	1784,75	-0,40	1.716
32-52-S	40,21	40,21	1784,75	-0,40	1.720

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
32-53-S	40,21	40,21	1784,75	-0,41	1.724
32-54-S	40,21	40,21	1784,66	-0,58	1.734
32-55-S	40,21	40,21	1784,46	-0,94	1.752
32-56-S	40,21	40,21	1784,25	-1,32	1.771
32-57-S	40,21	40,21	1784,06	-1,66	1.794
32-58-S	40,21	40,21	1783,89	-1,95	1.820
32-59-S	40,21	40,21	1783,76	-2,20	1.850
32-60-S	40,21	40,21	1783,60	-2,48	1.887
32-61-S	40,21	40,21	1783,38	-2,88	1.931
32-62-S	40,21	40,21	1783,11	-3,36	1.980
32-63-S	40,21	40,21	1782,84	-3,85	2.031
32-64-S	40,21	40,21	1782,55	-4,37	2.084
32-65-S	40,21	40,21	1782,24	-4,93	2.141
32-66-S	40,21	40,21	1781,87	-5,60	2.223
32-67-S	40,21	40,21	1781,41	-6,41	2.318
32-68-S	40,21	40,21	1780,91	-7,31	2.407
32-69-S	40,21	40,21	1780,37	-8,29	2.496
32-70-S	40,21	40,21	1779,80	-9,31	2.590
32-71-S	40,21	40,21	1779,22	-10,36	2.690
32-72-S	40,21	40,21	1778,64	-11,40	2.768
32-73-S	40,21	40,21	1778,21	-12,18	2.825
32-74-S	40,21	40,21	1777,85	-12,82	2.876
32-75-S	32,17	32,17	1422,95	-10,60	2.642
32-76-S	24,13	24,13	1067,22	-8,13	2.655
32-77-S	16,08	16,08	711,41	-5,55	2.718
32-78-S	8,04	8,04	355,67	-2,84	2.783
33-1-S	16,08	16,08	718,10	10,07	11.617
33-2-S	16,08	16,08	721,30	10,87	5.821
33-3-S	32,17	32,17	1440,70	23,18	7.724
33-4-S	40,21	40,21	1801,36	30,48	7.917
33-5-S	40,21	40,21	1801,97	31,61	7.881
33-6-S	40,21	40,21	1802,72	33,01	7.891
33-7-S	40,21	40,21	1803,49	34,44	7.910
33-8-S	40,21	40,21	1804,47	36,27	8.058
33-9-S	40,21	40,21	1805,90	38,92	8.416
33-10-S	40,21	40,21	1807,51	41,92	8.851
33-11-S	40,21	40,21	1809,31	45,27	9.340
33-12-S	40,21	40,21	1811,27	48,90	9.865
33-13-S	40,21	40,21	-1786,68	3,20	10.331
33-14-S	40,21	40,21	-1786,43	2,73	9.954
33-15-S	40,21	40,21	-1786,18	2,25	9.548
33-16-S	40,21	40,21	-1785,91	1,75	9.122
33-17-S	40,21	40,21	-1785,64	1,25	8.688
33-18-S	40,21	40,21	-1785,39	0,78	8.274
33-19-S	40,21	40,21	-1785,76	1,46	8.175
33-20-S	40,21	40,21	-1786,27	2,43	8.140
33-21-S	40,21	40,21	-1786,78	3,38	8.090
33-22-S	40,21	40,21	1781,57	-6,14	7.643
33-23-S	40,21	40,21	1781,71	-5,88	6.875
33-24-S	40,21	40,21	1781,99	-5,37	6.236
33-25-S	40,21	40,21	1782,37	-4,68	5.702
33-26-S	40,21	40,21	1782,85	-3,82	5.126
33-27-S	40,21	40,21	1783,33	-2,97	4.548
33-28-S	40,21	40,21	1783,67	-2,35	4.097
33-29-S	40,21	40,21	1783,90	-1,94	3.744
33-30-S	40,21	40,21	1784,06	-1,66	3.456
33-31-S	40,21	40,21	1784,16	-1,46	3.218
33-32-S	40,21	40,21	1784,22	-1,35	3.021
33-33-S	40,21	40,21	1784,29	-1,23	2.841
33-34-S	40,21	40,21	1784,41	-1,03	2.665
33-35-S	40,21	40,21	1784,51	-0,83	2.505
33-36-S	40,21	40,21	1784,61	-0,66	2.361
33-37-S	40,21	40,21	2033,37	-0,74	2.552
33-38-S	40,21	40,21	2033,47	-0,59	2.435
33-39-S	40,21	48,25	2036,23	-0,48	2.340
33-40-S	40,21	48,25	2036,28	-0,39	2.247
33-41-S	40,21	48,25	2036,36	-0,26	2.162
33-42-S	40,21	48,25	2036,45	-0,12	2.079
33-43-S	40,21	40,21	2033,84	0,00	1.997
33-44-S	40,21	48,25	2036,60	0,12	1.924
33-45-S	40,21	48,25	2036,67	0,22	1.856
33-46-S	40,21	48,25	2036,70	0,28	1.805
33-47-S	40,21	48,25	2036,73	0,33	1.768
33-48-S	40,21	40,21	2034,09	0,41	1.744
33-49-S	40,21	40,21	2034,17	0,54	1.719
33-50-S	40,21	40,21	1785,25	0,51	1.485
33-51-S	40,21	40,21	1785,32	0,64	1.460
33-52-S	40,21	40,21	1785,38	0,75	1.438
33-53-S	40,21	40,21	1785,44	0,86	1.432
33-54-S	40,21	40,21	1785,50	0,96	1.442
33-55-S	40,21	40,21	1785,55	1,07	1.454
33-56-S	40,21	40,21	1785,62	1,20	1.467
33-57-S	40,21	40,21	1785,71	1,36	1.481
33-58-S	40,21	40,21	1785,79	1,52	1.493
33-59-S	40,21	40,21	1785,85	1,63	1.515
33-60-S	40,21	40,21	1785,88	1,67	1.550
33-61-S	40,21	40,21	1785,89	1,70	1.587
33-62-S	40,21	40,21	1785,89	1,70	1.623
33-63-S	40,21	40,21	1785,88	1,68	1.657

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
33-64-S	40,21	40,21	1785,86	1,65	1.691
33-65-S	40,21	40,21	1785,81	1,55	1.724
33-66-S	40,21	40,21	1785,70	1,34	1.762
33-67-S	40,21	40,21	1785,51	0,99	1.809
33-68-S	40,21	40,21	1785,28	0,56	1.879
33-69-S	40,21	40,21	1785,02	0,08	1.961
33-70-S	40,21	40,21	1784,73	-0,45	2.051
33-71-S	40,21	40,21	1784,41	-1,03	2.148
33-72-S	40,21	40,21	1784,05	-1,67	2.251
33-73-S	40,21	40,21	1783,62	-2,44	2.348
33-74-S	40,21	40,21	1783,08	-3,41	2.438
33-75-S	40,21	40,21	1782,42	-4,61	2.513
33-76-S	40,21	40,21	1781,71	-5,88	2.593
33-77-S	40,21	40,21	1780,99	-7,18	2.676
33-78-S	40,21	40,21	1780,35	-8,32	2.753
33-79-S	40,21	40,21	1779,77	-9,36	2.835
33-80-S	40,21	40,21	1779,23	-10,35	2.931
33-81-S	40,21	40,21	1778,75	-11,21	3.032
33-82-S	40,21	40,21	1778,29	-12,03	3.140
33-83-S	32,17	32,17	1422,66	-10,03	3.160
33-84-S	16,08	16,08	712,58	-5,17	2.469
33-85-S	8,04	8,04	356,25	-2,66	2.570
34-1-S	24,13	24,13	1073,60	9,83	13.262
34-2-S	24,13	24,13	1077,40	10,55	6.611
34-3-S	40,21	40,21	1794,88	18,69	7.459
34-4-S	40,21	40,21	1795,26	19,13	7.208
34-5-S	40,21	40,21	1795,51	19,60	7.075
34-6-S	40,21	40,21	1795,75	20,04	6.944
34-7-S	40,21	40,21	1795,95	20,40	6.820
34-8-S	40,21	40,21	1796,10	20,69	6.703
34-9-S	40,21	40,21	1796,41	21,27	6.653
34-10-S	40,21	40,21	1796,99	22,34	6.752
34-11-S	40,21	40,21	1797,65	23,57	6.896
34-12-S	40,21	40,21	1798,39	24,95	7.073
34-13-S	40,21	40,21	1799,16	26,39	7.252
34-14-S	40,21	40,21	1799,94	27,84	7.426
34-15-S	40,21	40,21	1800,74	29,33	7.601
34-16-S	40,21	40,21	-1780,16	-8,73	7.879
34-17-S	40,21	40,21	-1780,00	-9,01	7.572
34-18-S	40,21	40,21	-1779,86	-9,26	7.275
34-19-S	40,21	40,21	-1779,80	-9,38	6.970
34-20-S	40,21	40,21	-1779,83	-9,32	6.656
34-21-S	40,21	40,21	-1779,93	-9,13	6.338
34-22-S	40,21	40,21	-1780,19	-8,66	6.074
34-23-S	40,21	40,21	-1780,90	-7,39	6.037
34-24-S	40,21	40,21	-1781,68	-5,97	5.975
34-25-S	40,21	40,21	-1782,46	-4,55	5.901
34-26-S	40,21	40,21	-1783,23	-3,16	5.820
34-27-S	40,21	40,21	-1783,98	-1,81	5.732
34-28-S	40,21	40,21	-2033,21	-1,00	6.423
34-29-S	40,21	48,25	2025,04	-18,11	7.514
34-30-S	40,21	48,25	2272,60	-18,45	7.275
34-31-S	40,21	56,30	2277,50	-14,90	6.370
34-32-S	40,21	56,30	2525,97	-14,73	6.241
34-33-S	40,21	56,30	2528,24	-11,86	5.575
34-34-S	40,21	56,30	2777,33	-11,25	5.512
34-35-S	40,21	56,30	2779,39	-8,87	5.005
34-36-S	40,21	56,30	3029,37	-7,63	4.961
34-37-S	40,21	48,25	3028,15	-5,63	4.558
34-38-S	40,21	56,30	3032,64	-4,16	4.242
34-39-S	40,21	48,25	3030,55	-3,07	3.974
34-40-S	40,21	48,25	3031,27	-2,31	3.757
34-41-S	40,21	48,25	3031,82	-1,73	3.541
34-42-S	40,21	40,21	3028,54	-1,22	3.302
34-43-S	40,21	40,21	3028,95	-0,78	3.075
34-44-S	40,21	40,21	3029,29	-0,42	2.892
34-45-S	40,21	40,21	3029,57	-0,13	2.762
34-46-S	40,21	40,21	3029,80	0,12	2.669
34-47-S	40,21	40,21	3030,05	0,41	2.575
34-48-S	40,21	40,21	3030,35	0,74	2.476
34-49-S	40,21	40,21	3030,69	1,11	2.372
34-50-S	40,21	40,21	3031,02	1,48	2.270
34-51-S	40,21	48,25	3035,09	1,82	2.194
34-52-S	40,21	48,25	3035,39	2,16	2.160
34-53-S	40,21	48,25	3035,70	2,49	2.137
34-54-S	40,21	56,30	3039,13	2,82	2.116
34-55-S	40,21	48,25	3036,29	3,14	2.088
34-56-S	40,21	56,30	3039,71	3,46	2.063
34-57-S	40,21	56,30	2789,77	3,22	1.867
34-58-S	40,21	56,30	2790,14	3,67	1.870
34-59-S	40,21	56,30	2540,33	3,58	1.729
34-60-S	40,21	56,30	2540,73	4,10	1.754
34-61-S	40,21	56,30	2290,72	3,75	1.603
34-62-S	40,21	48,25	2288,58	4,15	1.620
34-63-S	40,21	48,25	2038,73	3,59	1.461
34-64-S	40,21	40,21	2036,21	3,89	1.492
34-65-S	40,21	40,21	1786,66	3,14	1.343
34-66-S	40,21	40,21	1786,79	3,37	1.378
34-67-S	40,21	40,21	1786,94	3,64	1.416

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
34-68-S	40,21	40,21	1787,11	3,97	1.455
34-69-S	40,21	40,21	1787,32	4,35	1.498
34-70-S	40,21	40,21	1787,54	4,78	1.574
34-71-S	40,21	40,21	1787,71	5,09	1.661
34-72-S	40,21	40,21	1787,79	5,24	1.747
34-73-S	40,21	40,21	1787,78	5,21	1.828
34-74-S	40,21	40,21	1787,65	4,96	1.903
34-75-S	40,21	40,21	1787,49	4,68	1.983
34-76-S	40,21	40,21	1787,30	4,32	2.071
34-77-S	40,21	40,21	1786,92	3,61	2.193
34-78-S	40,21	40,21	1786,48	2,79	2.322
34-79-S	40,21	40,21	1785,98	1,87	2.447
34-80-S	40,21	40,21	1785,44	0,86	2.565
34-81-S	40,21	40,21	1784,86	-0,22	2.669
34-82-S	40,21	40,21	1784,20	-1,40	2.765
34-83-S	40,21	40,21	1783,42	-2,80	2.874
34-84-S	40,21	40,21	1782,53	-4,40	2.997
34-85-S	40,21	40,21	1781,56	-6,15	3.137
34-86-S	40,21	40,21	1780,63	-7,83	3.288
34-87-S	40,21	40,21	1779,97	-9,02	3.432
34-88-S	40,21	40,21	1779,47	-9,92	3.575
34-89-S	40,21	40,21	1778,78	-10,89	3.775
34-90-S	24,13	24,13	1068,01	-6,69	3.458
34-91-S	8,04	8,04	356,99	-2,28	2.408
35-1-S	32,17	32,17	1428,79	8,64	13.699
35-2-S	32,17	32,17	1433,28	9,42	6.937
35-3-S	40,21	40,21	1791,57	12,26	7.012
35-4-S	40,21	40,21	1791,60	12,32	6.810
35-5-S	40,21	40,21	1791,63	12,38	6.614
35-6-S	40,21	40,21	1791,57	12,26	6.430
35-7-S	40,21	40,21	1791,45	12,05	6.272
35-8-S	40,21	40,21	1791,39	11,93	6.154
35-9-S	40,21	40,21	1791,40	11,94	6.063
35-10-S	40,21	40,21	1791,49	12,11	6.000
35-11-S	40,21	40,21	1791,74	12,58	5.985
35-12-S	40,21	40,21	1792,06	13,17	5.985
35-13-S	40,21	40,21	1792,37	13,75	5.982
35-14-S	40,21	40,21	1792,68	14,33	5.976
35-15-S	40,21	40,21	1792,99	14,91	5.971
35-16-S	40,21	40,21	1793,34	15,56	5.989
35-17-S	40,21	40,21	1793,75	16,31	6.015
35-18-S	40,21	40,21	-1768,92	-29,06	5.842
35-19-S	40,21	40,21	-1769,39	-28,21	5.603
35-20-S	40,21	40,21	-1770,15	-26,83	5.320
35-21-S	40,21	40,21	-1771,11	-25,09	5.015
35-22-S	40,21	40,21	-1771,99	-23,51	4.735
35-23-S	40,21	40,21	-1772,78	-22,08	4.477
35-24-S	40,21	40,21	-1773,50	-20,77	4.241
35-25-S	40,21	48,25	-2415,15	-30,66	5.527
35-26-S	40,21	48,25	-2706,50	-36,98	6.187
35-27-S	40,21	56,30	-3488,85	-49,65	7.884
35-28-S	40,21	64,34	-3981,06	-52,65	8.816
35-29-S	40,21	72,38	-4904,65	-64,57	10.551
35-30-S	40,21	72,38	-5341,94	-68,23	11.097
35-31-S	40,21	64,34	-4763,30	-55,68	9.740
35-32-S	40,21	56,30	-4179,38	-46,26	8.746
35-33-S	40,21	48,25	-3592,70	-37,17	7.633
35-34-S	40,21	40,21	-3002,20	-28,78	6.438
35-35-S	40,21	40,21	-3004,37	-26,50	6.476
35-36-S	40,21	40,21	-3006,51	-24,27	6.493
35-37-S	40,21	40,21	3009,25	-21,81	6.380
35-38-S	40,21	40,21	-3106,59	82,60	5.623
35-39-S	40,21	40,21	-3099,70	75,15	4.939
35-40-S	40,21	40,21	-3093,74	68,75	4.370
35-41-S	40,21	40,21	-3088,55	63,19	3.892
35-42-S	40,21	40,21	-3084,01	58,31	3.486
35-43-S	40,21	40,21	-3080,31	54,33	3.165
35-44-S	40,21	40,21	-3078,25	52,13	2.994
35-45-S	40,21	40,21	-3076,84	50,61	2.882
35-46-S	40,21	40,21	-3075,54	49,22	2.779
35-47-S	40,21	40,21	3028,77	-0,98	2.587
35-48-S	40,21	40,21	3029,72	0,04	2.396
35-49-S	40,21	40,21	3030,43	0,83	2.255
35-50-S	40,21	40,21	3030,79	1,23	2.173
35-51-S	40,21	40,21	3031,11	1,58	2.097
35-52-S	40,21	40,21	3031,40	1,90	2.023
35-53-S	40,21	40,21	3031,73	2,27	1.948
35-54-S	40,21	40,21	3032,14	2,73	1.872
35-55-S	40,21	40,21	3032,62	3,26	1.803
35-56-S	40,21	40,21	3033,07	3,75	1.782
35-57-S	40,21	40,21	3033,40	4,12	1.761
35-58-S	40,21	40,21	3033,65	4,39	1.738
35-59-S	40,21	40,21	3033,88	4,66	1.715
35-60-S	40,21	40,21	3034,11	4,91	1.691
35-61-S	40,21	40,21	3034,35	5,17	1.671
35-62-S	40,21	40,21	3034,93	5,82	1.691
35-63-S	40,21	40,21	3035,70	6,68	1.714
35-64-S	40,21	48,25	3040,45	7,74	1.740
35-65-S	40,21	56,30	3044,73	8,98	1.764

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
35-66-S	40,21	64,34	3048,53	10,24	1.790
35-67-S	40,21	72,38	3052,21	11,46	1.859
35-68-S	40,21	72,38	2800,64	10,88	1.769
35-69-S	40,21	64,34	2547,46	10,02	1.667
35-70-S	40,21	56,30	2545,94	10,93	1.722
35-71-S	40,21	48,25	2292,35	9,65	1.599
35-72-S	40,21	48,25	2041,60	8,26	1.466
35-73-S	40,21	40,21	1788,63	6,79	1.352
35-74-S	40,21	40,21	1788,93	7,35	1.425
35-75-S	40,21	40,21	1789,27	7,98	1.506
35-76-S	40,21	40,21	1789,65	8,69	1.595
35-77-S	40,21	40,21	1790,01	9,36	1.689
35-78-S	40,21	40,21	1790,30	9,89	1.788
35-79-S	40,21	40,21	1790,37	10,03	1.907
35-80-S	40,21	40,21	1790,25	9,82	2.020
35-81-S	40,21	40,21	1790,07	9,48	2.139
35-82-S	40,21	40,21	1789,88	9,11	2.275
35-83-S	40,21	40,21	1789,65	8,69	2.427
35-84-S	40,21	40,21	1789,34	8,12	2.596
35-85-S	40,21	40,21	1788,61	6,75	2.760
35-86-S	40,21	40,21	1787,78	5,21	2.921
35-87-S	40,21	40,21	1786,93	3,63	3.071
35-88-S	40,21	40,21	1786,02	1,93	3.227
35-89-S	40,21	40,21	1785,01	0,05	3.399
35-90-S	40,21	40,21	1783,86	-2,02	3.578
35-91-S	40,21	40,21	1782,77	-3,97	3.714
35-92-S	40,21	40,21	1781,92	-5,49	3.851
35-93-S	40,21	40,21	1781,31	-6,60	3.996
35-94-S	40,21	40,21	1780,69	-7,72	4.153
35-95-S	32,17	32,17	1424,51	-6,67	4.285
35-96-S	16,08	16,08	712,34	-3,28	4.651
36-1-S	32,17	32,17	1427,98	5,36	10.635
36-2-S	32,17	32,17	1432,74	5,97	5.740
36-3-S	40,21	40,21	1789,03	7,55	6.697
36-4-S	40,21	40,21	1789,04	7,56	6.571
36-5-S	40,21	40,21	1789,03	7,54	6.453
36-6-S	40,21	40,21	1788,93	7,35	6.350
36-7-S	40,21	40,21	1788,78	7,07	6.238
36-8-S	40,21	40,21	1788,63	6,80	6.096
36-9-S	40,21	40,21	1788,50	6,55	5.953
36-10-S	40,21	40,21	1788,38	6,32	5.813
36-11-S	40,21	40,21	1788,27	6,12	5.660
36-12-S	40,21	40,21	1788,18	5,95	5.496
36-13-S	40,21	40,21	1788,20	6,00	5.377
36-14-S	40,21	40,21	1788,38	6,33	5.328
36-15-S	40,21	40,21	1788,67	6,87	5.328
36-16-S	40,21	40,21	1788,96	7,42	5.328
36-17-S	40,21	40,21	1789,28	8,01	5.307
36-18-S	40,21	40,21	-1764,51	-37,04	4.839
36-19-S	40,21	40,21	-1766,66	-33,15	4.341
36-20-S	40,21	40,21	-1768,45	-29,90	3.932
36-21-S	40,21	40,21	-1769,80	-27,47	3.629
36-22-S	40,21	40,21	-1770,52	-26,16	3.479
36-23-S	40,21	40,21	-2013,20	-32,84	3.826
36-24-S	40,21	56,30	-3142,43	-53,79	5.685
36-25-S	40,21	64,34	-3968,90	-68,46	6.742
36-26-S	40,21	72,38	-4889,81	-82,22	7.712
36-27-S	40,21	80,42	-5905,99	-94,19	8.576
36-28-S	40,21	72,38	-5332,28	-78,78	7.523
36-29-S	40,21	56,30	-4168,01	-58,57	5.880
36-30-S	40,21	48,25	-3582,87	-47,77	5.026
36-31-S	40,21	40,21	-2993,39	-38,00	4.150
36-32-S	40,21	40,21	-2994,86	-36,47	4.081
36-33-S	40,21	40,21	-2996,30	-34,96	4.053
36-34-S	40,21	40,21	-2997,12	-34,09	4.100
36-35-S	40,21	40,21	-2997,76	-33,43	4.140
36-36-S	40,21	40,21	-2998,16	-33,01	4.156
36-37-S	40,21	40,21	-2998,69	-32,45	4.153
36-38-S	40,21	40,21	-2999,22	-31,90	4.130
36-39-S	40,21	40,21	-3000,12	-30,95	4.233
36-40-S	40,21	40,21	-3001,75	-29,24	4.448
36-41-S	40,21	40,21	-3085,54	59,95	4.321
36-42-S	40,21	40,21	-3079,81	53,80	3.713
36-43-S	40,21	40,21	-3075,90	49,61	3.312
36-44-S	40,21	40,21	-3072,78	46,26	2.993
36-45-S	40,21	40,21	-3069,65	42,90	2.693
36-46-S	40,21	40,21	-3066,58	39,60	2.415
36-47-S	40,21	40,21	-3063,89	36,71	2.181
36-48-S	40,21	40,21	-3062,48	35,20	2.057
36-49-S	40,21	40,21	-3062,00	34,69	2.010
36-50-S	40,21	40,21	-3061,67	34,34	1.975
36-51-S	40,21	40,21	-3061,40	34,04	1.943
36-52-S	40,21	40,21	3030,97	1,43	1.901
36-53-S	40,21	40,21	3032,02	2,59	1.803
36-54-S	40,21	40,21	3032,95	3,63	1.727
36-55-S	40,21	40,21	3033,84	4,61	1.653
36-56-S	40,21	40,21	3034,60	5,45	1.583
36-57-S	40,21	40,21	3035,23	6,15	1.519
36-58-S	40,21	40,21	3035,78	6,77	1.482

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
36-59-S	40,21	40,21	3036,31	7,35	1.467
36-60-S	40,21	40,21	3036,86	7,96	1.449
36-61-S	40,21	40,21	3037,38	8,54	1.429
36-62-S	40,21	40,21	3037,82	9,03	1.408
36-63-S	40,21	40,21	3038,23	9,48	1.391
36-64-S	40,21	40,21	3038,73	10,04	1.402
36-65-S	40,21	40,21	3039,25	10,62	1.413
36-66-S	40,21	40,21	3039,80	11,22	1.423
36-67-S	40,21	40,21	3040,35	11,84	1.432
36-68-S	40,21	40,21	3040,98	12,53	1.443
36-69-S	40,21	40,21	3041,71	13,34	1.492
36-70-S	40,21	40,21	3042,69	14,43	1.549
36-71-S	40,21	40,21	3043,89	15,76	1.602
36-72-S	40,21	48,25	3049,12	17,31	1.658
36-73-S	40,21	56,30	3053,84	18,99	1.717
36-74-S	40,21	72,38	3061,05	20,79	1.782
36-75-S	40,21	80,42	3064,66	22,62	1.883
36-76-S	40,21	72,38	2809,17	21,00	1.841
36-77-S	40,21	64,34	2554,41	19,08	1.784
36-78-S	40,21	56,30	2299,79	16,89	1.708
36-79-S	40,21	40,21	2042,66	14,45	1.609
36-80-S	40,21	40,21	1791,37	11,88	1.491
36-81-S	40,21	40,21	1791,90	12,88	1.603
36-82-S	40,21	40,21	1792,53	14,04	1.739
36-83-S	40,21	40,21	1793,22	15,34	1.894
36-84-S	40,21	40,21	1793,82	16,45	2.055
36-85-S	40,21	40,21	1794,24	17,23	2.216
36-86-S	40,21	40,21	1794,37	17,48	2.367
36-87-S	40,21	40,21	1794,00	16,79	2.514
36-88-S	40,21	40,21	1793,52	15,89	2.678
36-89-S	40,21	40,21	1792,97	14,86	2.862
36-90-S	40,21	40,21	1792,32	13,65	3.070
36-91-S	40,21	40,21	1791,60	12,31	3.283
36-92-S	40,21	40,21	1790,74	10,73	3.484
36-93-S	40,21	40,21	1789,61	8,62	3.643
36-94-S	40,21	40,21	1788,40	6,37	3.816
36-95-S	40,21	40,21	1787,07	3,90	4.012
36-96-S	40,21	40,21	1785,66	1,28	4.234
36-97-S	40,21	40,21	1784,87	-0,19	4.524
36-98-S	40,21	40,21	1784,43	-0,99	4.882
36-99-S	40,21	40,21	1783,92	-1,91	5.304
36-100-S	32,17	32,17	1428,24	-2,31	4.866
36-101-S	16,08	16,08	714,64	-1,04	4.850
37-1-S	40,21	40,21	1782,85	3,51	11.869
37-2-S	40,21	40,21	1787,19	4,12	7.012
37-3-S	40,21	40,21	1787,17	4,08	6.725
37-4-S	40,21	40,21	1787,16	4,06	6.464
37-5-S	40,21	40,21	1787,15	4,04	6.230
37-6-S	40,21	40,21	1786,99	3,74	6.113
37-7-S	40,21	40,21	1786,77	3,34	6.026
37-8-S	40,21	40,21	1786,57	2,96	5.941
37-9-S	40,21	40,21	1786,37	2,59	5.840
37-10-S	40,21	40,21	1786,21	2,29	5.711
37-11-S	40,21	40,21	1786,15	2,17	5.557
37-12-S	40,21	40,21	1786,14	2,16	5.402
37-13-S	40,21	40,21	1786,13	2,15	5.256
37-14-S	40,21	40,21	1786,12	2,13	5.117
37-15-S	40,21	40,21	1786,12	2,12	4.985
37-16-S	40,21	40,21	1786,12	2,12	4.839
37-17-S	40,21	40,21	1786,20	2,28	4.699
37-18-S	40,21	40,21	-1760,47	-44,35	4.295
37-19-S	40,21	40,21	-1762,81	-40,11	3.895
37-20-S	40,21	40,21	-1764,76	-36,58	3.562
37-21-S	40,21	40,21	-1766,40	-33,61	3.282
37-22-S	40,21	48,25	-2321,10	-46,48	3.970
37-23-S	40,21	64,34	-3761,94	-84,03	5.824
37-24-S	40,21	72,38	3057,71	17,26	7.256
37-25-S	40,21	80,42	3061,06	18,83	7.206
37-26-S	40,21	72,38	-5312,01	-100,93	6.324
37-27-S	40,21	56,30	-4155,80	-71,79	4.656
37-28-S	40,21	48,25	-3574,65	-56,63	3.782
37-29-S	40,21	40,21	-2986,91	-44,78	2.996
37-30-S	40,21	40,21	-2987,83	-43,82	2.883
37-31-S	40,21	40,21	-2988,13	-43,50	2.804
37-32-S	40,21	40,21	-2988,18	-43,46	2.753
37-33-S	40,21	40,21	-2987,99	-43,66	2.729
37-34-S	40,21	40,21	-2988,24	-43,39	2.743
37-35-S	40,21	40,21	-2988,99	-42,61	2.748
37-36-S	40,21	40,21	-2989,99	-41,56	2.731
37-37-S	40,21	40,21	-2991,18	-40,31	2.688
37-38-S	40,21	40,21	-2992,27	-39,17	2.634
37-39-S	40,21	40,21	-2992,73	-38,69	2.706
37-40-S	40,21	40,21	-2993,04	-38,37	2.862
37-41-S	40,21	40,21	-2993,39	-38,00	3.011
37-42-S	40,21	40,21	-2993,90	-37,47	3.150
37-43-S	40,21	40,21	-2994,88	-36,44	3.280
37-44-S	40,21	40,21	-3071,29	44,65	3.319
37-45-S	40,21	40,21	-3066,09	39,08	2.745
37-46-S	40,21	40,21	-3061,15	33,77	2.284

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
37-47-S	40,21	40,21	-3057,98	30,37	1.983
37-48-S	40,21	40,21	-3055,83	28,06	1.774
37-49-S	40,21	40,21	-3054,29	26,41	1.624
37-50-S	40,21	40,21	-3052,95	24,97	1.499
37-51-S	40,21	40,21	-3051,97	23,92	1.410
37-52-S	40,21	40,21	-3051,53	23,45	1.364
37-53-S	40,21	40,21	-3051,75	23,68	1.368
37-54-S	40,21	40,21	-3052,47	24,45	1.411
37-55-S	40,21	40,21	3034,42	5,25	1.497
37-56-S	40,21	40,21	3035,64	6,61	1.417
37-57-S	40,21	40,21	3036,71	7,79	1.353
37-58-S	40,21	40,21	3037,96	9,18	1.291
37-59-S	40,21	40,21	3039,37	10,74	1.231
37-60-S	40,21	40,21	3040,38	11,87	1.194
37-61-S	40,21	40,21	3041,00	12,56	1.178
37-62-S	40,21	40,21	3041,60	13,22	1.159
37-63-S	40,21	40,21	3042,19	13,88	1.139
37-64-S	40,21	40,21	3042,82	14,57	1.121
37-65-S	40,21	40,21	3043,43	15,25	1.130
37-66-S	40,21	40,21	3044,03	15,92	1.138
37-67-S	40,21	40,21	3044,64	16,59	1.144
37-68-S	40,21	40,21	3045,24	17,26	1.149
37-69-S	40,21	40,21	3045,85	17,94	1.169
37-70-S	40,21	40,21	3046,53	18,69	1.214
37-71-S	40,21	40,21	3047,26	19,50	1.262
37-72-S	40,21	40,21	3048,05	20,38	1.314
37-73-S	40,21	40,21	3048,93	21,35	1.369
37-74-S	40,21	40,21	3049,98	22,52	1.424
37-75-S	40,21	40,21	3051,16	23,83	1.490
37-76-S	40,21	40,21	3052,37	25,17	1.573
37-77-S	40,21	48,25	3057,85	26,95	1.668
37-78-S	40,21	56,30	3062,95	29,01	1.775
37-79-S	40,21	72,38	3071,06	31,37	1.898
37-80-S	40,21	80,42	3075,45	33,99	2.035
37-81-S	40,21	72,38	3076,51	37,11	2.198
37-82-S	40,21	64,34	2562,37	29,46	2.024
37-83-S	40,21	48,25	2049,55	21,21	1.784
37-84-S	40,21	40,21	1794,55	17,80	1.705
37-85-S	40,21	40,21	1795,48	19,53	1.864
37-86-S	40,21	40,21	1796,56	21,56	2.049
37-87-S	40,21	40,21	1797,62	23,52	2.258
37-88-S	40,21	40,21	1798,51	25,17	2.488
37-89-S	40,21	40,21	1799,10	26,28	2.723
37-90-S	40,21	40,21	1799,31	26,67	2.957
37-91-S	40,21	40,21	1799,16	26,39	3.192
37-92-S	40,21	40,21	1798,95	26,00	3.460
37-93-S	40,21	40,21	1798,45	25,06	3.727
37-94-S	40,21	40,21	1797,53	23,36	3.971
37-95-S	40,21	40,21	1796,49	21,42	4.248
37-96-S	40,21	40,21	1795,31	19,23	4.559
37-97-S	40,21	40,21	1793,99	16,77	4.910
37-98-S	40,21	40,21	1792,48	13,96	5.331
37-99-S	40,21	40,21	1791,55	12,22	5.760
37-100-S	40,21	40,21	1790,79	10,82	6.117
37-101-S	40,21	40,21	1789,74	8,86	6.435
37-102-S	40,21	40,21	1788,54	6,63	6.777
37-103-S	40,21	40,21	1787,21	4,15	7.158
37-104-S	24,13	24,13	1072,07	1,75	7.452
38-1-S	40,21	40,21	1782,59	1,18	11.344
38-2-S	40,21	40,21	1785,77	1,47	7.665
38-3-S	40,21	40,21	1785,72	1,38	7.307
38-4-S	40,21	40,21	1785,68	1,31	6.982
38-5-S	40,21	40,21	1785,67	1,28	6.693
38-6-S	40,21	40,21	1785,67	1,28	6.443
38-7-S	40,21	40,21	1785,53	1,02	6.252
38-8-S	40,21	40,21	1785,34	0,68	6.067
38-9-S	40,21	40,21	1785,19	0,39	5.871
38-10-S	40,21	40,21	1785,05	0,13	5.677
38-11-S	40,21	40,21	1784,92	-0,11	5.501
38-12-S	40,21	40,21	1784,79	-0,33	5.340
38-13-S	40,21	40,21	1784,72	-0,46	5.193
38-14-S	40,21	40,21	1784,75	-0,41	5.066
38-15-S	40,21	40,21	1784,80	-0,32	4.918
38-16-S	40,21	40,21	1784,87	-0,20	4.742
38-17-S	40,21	40,21	1784,95	-0,05	4.556
38-18-S	40,21	40,21	-1755,85	-52,70	4.323
38-19-S	40,21	40,21	-1758,40	-48,09	3.854
38-20-S	40,21	40,21	-1760,44	-44,39	3.480
38-21-S	40,21	48,25	-2676,50	-79,79	4.810
38-22-S	40,21	64,34	2791,08	1,91	6.100
38-23-S	40,21	80,42	3046,36	3,34	6.523
38-24-S	40,21	80,42	3046,95	3,96	6.387
38-25-S	40,21	72,38	-5283,91	-131,62	6.159
38-26-S	40,21	56,30	-4135,33	-93,96	4.413
38-27-S	40,21	40,21	-2970,45	-62,02	2.921
38-28-S	40,21	40,21	-2974,44	-57,84	2.682
38-29-S	40,21	40,21	-2976,68	-55,50	2.497
38-30-S	40,21	40,21	-2977,94	-54,18	2.377
38-31-S	40,21	40,21	-2978,96	-53,11	2.277

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
38-32-S	40,21	40,21	-2979,91	-52,12	2.185
38-33-S	40,21	40,21	-2980,98	-50,99	2.084
38-34-S	40,21	40,21	-2982,39	-49,52	1.956
38-35-S	40,21	40,21	-2983,66	-48,19	1.850
38-36-S	40,21	40,21	-2984,19	-47,64	1.832
38-37-S	40,21	40,21	-2984,79	-47,00	1.815
38-38-S	40,21	40,21	-2985,38	-46,38	1.788
38-39-S	40,21	40,21	-2985,98	-45,76	1.748
38-40-S	40,21	40,21	-2985,70	-46,05	1.813
38-41-S	40,21	40,21	-2985,39	-46,37	1.898
38-42-S	40,21	40,21	-2985,79	-45,95	1.971
38-43-S	40,21	40,21	-2987,15	-44,54	2.056
38-44-S	40,21	40,21	-2989,37	-42,20	2.164
38-45-S	40,21	40,21	-2992,80	-38,62	2.259
38-46-S	40,21	40,21	-2996,06	-35,20	2.400
38-47-S	40,21	40,21	-3547,57	47,35	2.834
38-48-S	40,21	48,25	-4240,10	52,09	2.694
38-49-S	40,21	48,25	-4813,89	55,65	2.511
38-50-S	40,21	56,30	-5592,45	57,46	2.388
38-51-S	40,21	56,30	-5586,96	52,70	2.062
38-52-S	40,21	48,25	-5371,24	47,85	1.774
38-53-S	40,21	48,25	-5366,01	43,99	1.630
38-54-S	40,21	40,21	-4480,16	36,01	1.329
38-55-S	40,21	48,25	-5365,63	43,70	1.607
38-56-S	40,21	48,25	-5370,75	47,49	1.787
38-57-S	40,21	56,30	3984,47	9,90	1.610
38-58-S	40,21	56,30	3988,33	13,04	1.500
38-59-S	40,21	48,25	3988,00	15,95	1.410
38-60-S	40,21	48,25	3516,31	14,80	1.187
38-61-S	40,21	40,21	3514,23	16,87	1.135
38-62-S	48,25	40,21	3642,24	16,79	1.124
38-63-S	48,25	40,21	3644,31	19,09	1.102
38-64-S	48,25	40,21	3646,42	21,45	1.084
38-65-S	48,25	40,21	3648,08	23,30	1.063
38-66-S	48,25	40,21	3649,62	25,02	1.064
38-67-S	48,25	40,21	3650,84	26,37	1.078
38-68-S	48,25	40,21	3651,73	27,37	1.087
38-69-S	48,25	40,21	3652,57	28,30	1.106
38-70-S	48,25	40,21	3653,45	29,29	1.140
38-71-S	48,25	40,21	3654,40	30,35	1.174
38-72-S	40,21	40,21	3053,34	26,25	1.012
38-73-S	40,21	40,21	3054,17	27,17	1.048
38-74-S	40,21	40,21	3055,05	28,15	1.096
38-75-S	40,21	40,21	3056,04	29,25	1.161
38-76-S	40,21	40,21	3057,19	30,53	1.247
38-77-S	40,21	40,21	3058,48	31,95	1.346
38-78-S	40,21	40,21	3059,21	32,77	1.431
38-79-S	40,21	40,21	3059,76	33,37	1.517
38-80-S	40,21	40,21	3060,66	34,37	1.613
38-81-S	40,21	40,21	3061,98	35,83	1.732
38-82-S	40,21	56,30	3071,35	38,24	1.888
38-83-S	40,21	72,38	3081,88	42,78	2.086
38-84-S	40,21	80,42	3089,05	48,32	2.325
38-85-S	40,21	80,42	3095,59	55,22	2.623
38-86-S	40,21	64,34	2724,30	51,75	2.623
38-87-S	40,21	48,25	2122,78	37,89	2.307
38-88-S	40,21	40,21	1799,63	27,26	2.159
38-89-S	40,21	40,21	1800,81	29,46	2.379
38-90-S	40,21	40,21	1802,16	31,97	2.635
38-91-S	40,21	40,21	1803,77	34,97	2.942
38-92-S	40,21	40,21	1805,70	38,55	3.312
38-93-S	40,21	40,21	1807,46	41,82	3.714
38-94-S	40,21	40,21	1808,35	43,47	4.088
38-95-S	40,21	40,21	1808,02	42,87	4.403
38-96-S	40,21	40,21	1807,68	42,23	4.784
38-97-S	40,21	40,21	1807,32	41,56	5.261
38-98-S	40,21	40,21	1785,09	0,20	5.707
38-99-S	40,21	40,21	1785,21	0,43	5.953
38-100-S	40,21	40,21	1785,35	0,69	6.218
38-101-S	40,21	40,21	1785,49	0,96	6.364
38-102-S	40,21	40,21	1785,63	1,21	6.528
38-103-S	40,21	40,21	1785,72	1,38	6.739
38-104-S	40,21	40,21	1785,78	1,50	7.016
38-105-S	40,21	40,21	1785,81	1,55	7.344
38-106-S	40,21	40,21	1785,87	1,67	7.705
38-107-S	24,13	24,13	1072,65	0,95	6.813
39-1-S	40,21	40,21	1784,93	0,08	8.854
39-2-S	40,21	40,21	1785,00	0,03	8.324
39-3-S	40,21	40,21	1784,99	0,02	7.914
39-4-S	40,21	40,21	1785,00	0,04	7.558
39-5-S	40,21	40,21	1784,94	-0,06	7.252
39-6-S	40,21	40,21	1784,83	-0,27	7.015
39-7-S	40,21	40,21	1784,67	-0,56	6.823
39-8-S	40,21	40,21	1784,51	-0,84	6.613
39-9-S	40,21	40,21	1784,35	-1,13	6.319
39-10-S	40,21	40,21	1784,20	-1,40	6.050
39-11-S	40,21	40,21	1784,08	-1,62	5.810
39-12-S	40,21	40,21	1783,98	-1,80	5.595
39-13-S	40,21	40,21	1783,90	-1,94	5.402

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
39-14-S	40,21	40,21	1783,84	-2,05	5.227
39-15-S	40,21	40,21	1783,83	-2,07	4.970
39-16-S	40,21	40,21	1783,87	-1,99	4.731
39-17-S	40,21	40,21	1783,94	-1,86	4.539
39-18-S	40,21	40,21	1784,04	-1,68	4.384
39-19-S	40,21	40,21	-1751,05	-61,39	4.198
39-20-S	40,21	40,21	-1987,88	-73,12	4.281
39-21-S	40,21	64,34	2786,67	-3,22	6.187
39-22-S	40,21	80,42	3039,27	-4,07	6.428
39-23-S	40,21	80,42	3038,86	-4,49	6.131
39-24-S	40,21	80,42	3038,55	-4,81	5.871
39-25-S	40,21	56,30	-4105,38	-126,39	4.660
39-26-S	40,21	40,21	-2949,87	-83,56	3.065
39-27-S	40,21	40,21	-2955,71	-77,46	2.802
39-28-S	40,21	40,21	-2960,52	-72,41	2.527
39-29-S	40,21	40,21	-2964,38	-68,38	2.287
39-30-S	40,21	40,21	-2967,54	-65,07	2.089
39-31-S	40,21	40,21	-2970,20	-62,28	1.922
39-32-S	40,21	40,21	-2972,14	-60,25	1.794
39-33-S	40,21	40,21	-2973,97	-58,34	1.666
39-34-S	40,21	40,21	-2975,72	-56,50	1.556
39-35-S	40,21	40,21	-2977,23	-54,92	1.466
39-36-S	40,21	40,21	-2978,77	-53,31	1.372
39-37-S	40,21	40,21	-2980,26	-51,75	1.282
39-38-S	40,21	40,21	-2980,53	-51,46	1.252
39-39-S	40,21	40,21	-2981,14	-50,82	1.231
39-40-S	40,21	40,21	-2983,45	-48,40	1.201
39-41-S	40,21	56,30	-4163,52	-63,43	1.686
39-42-S	40,21	56,30	-4760,30	-78,05	2.001
39-43-S	40,21	72,38	-7047,28	-122,27	3.057
39-44-S	40,21	80,42	-8660,70	-151,71	3.930
39-45-S	48,25	96,51	-11339,93	-196,26	5.442
39-46-S	64,34	104,55	-13463,51	-224,57	6.782
39-47-S	64,34	96,51	-12464,95	-194,67	7.007
39-48-S	64,34	88,47	-11456,00	-169,68	7.423
39-49-S	64,34	80,42	-10449,53	-141,64	7.707
39-50-S	64,34	64,34	-8852,80	172,95	5.586
39-51-S	64,34	56,30	-7691,29	110,66	3.207
39-52-S	64,34	56,30	-7644,65	82,29	2.196
39-53-S	64,34	56,30	-7616,05	64,89	1.628
39-54-S	64,34	56,30	-7599,27	54,68	1.335
39-55-S	64,34	56,30	-7588,83	48,34	1.180
39-56-S	64,34	56,30	-7596,60	53,06	1.348
39-57-S	64,34	56,30	-7613,79	63,52	1.698
39-58-S	64,34	56,30	-7646,97	83,70	2.368
39-59-S	64,34	56,30	8610,92	32,27	2.712
39-60-S	64,34	64,34	8632,08	39,68	2.547
39-61-S	64,34	80,42	8659,74	46,93	2.400
39-62-S	64,34	88,47	8678,54	53,65	2.263
39-63-S	64,34	96,51	8698,37	60,60	2.148
39-64-S	64,34	104,55	8421,93	66,36	2.011
39-65-S	64,34	96,51	7843,20	66,27	1.818
39-66-S	64,34	80,42	7244,97	62,78	1.629
39-67-S	64,34	72,38	6512,29	57,45	1.456
39-68-S	64,34	56,30	5590,44	48,09	1.266
39-69-S	64,34	56,30	4867,79	40,62	1.116
39-70-S	64,34	40,21	4854,29	44,76	1.147
39-71-S	64,34	40,21	4857,55	48,43	1.196
39-72-S	64,34	40,21	4859,79	50,94	1.243
39-73-S	64,34	40,21	4861,41	52,76	1.299
39-74-S	48,25	40,21	3664,20	41,26	1.064
39-75-S	48,25	40,21	3665,61	42,84	1.153
39-76-S	40,21	40,21	3063,09	37,06	1.028
39-77-S	40,21	40,21	3064,38	38,50	1.096
39-78-S	40,21	40,21	3065,82	40,10	1.181
39-79-S	40,21	40,21	3067,46	41,92	1.289
39-80-S	40,21	40,21	3068,80	43,41	1.396
39-81-S	40,21	40,21	3070,31	45,08	1.517
39-82-S	40,21	40,21	3072,12	47,09	1.660
39-83-S	40,21	40,21	3074,32	49,53	1.833
39-84-S	40,21	40,21	3077,54	53,10	2.037
39-85-S	40,21	56,30	3090,28	59,05	2.271
39-86-S	40,21	80,42	3106,13	66,32	2.555
39-87-S	40,21	80,42	3114,04	74,66	2.905
39-88-S	40,21	80,42	3124,21	85,37	3.363
39-89-S	40,21	64,34	2860,13	84,12	3.627
39-90-S	40,21	40,21	2065,38	51,67	3.052
39-91-S	40,21	40,21	1808,96	44,62	3.061
39-92-S	40,21	40,21	1812,34	50,90	3.554
39-93-S	40,21	40,21	1816,17	58,02	4.139
39-94-S	40,21	40,21	1819,95	65,05	4.762
39-95-S	40,21	40,21	1784,00	-1,77	5.157
39-96-S	40,21	40,21	1783,98	-1,79	5.412
39-97-S	40,21	40,21	1783,97	-1,82	5.602
39-98-S	40,21	40,21	1783,95	-1,85	5.807
39-99-S	40,21	40,21	1783,95	-1,85	6.034
39-100-S	40,21	40,21	1783,98	-1,80	6.289
39-101-S	40,21	40,21	1784,06	-1,66	6.571
39-102-S	40,21	40,21	1784,22	-1,35	6.770

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
39-103-S	40,21	40,21	1784,43	-0,98	6.987
39-104-S	40,21	40,21	1784,68	-0,54	7.232
39-105-S	40,21	40,21	1784,95	-0,05	7.498
39-106-S	40,21	40,21	1785,07	0,16	7.812
39-107-S	40,21	40,21	1785,12	0,26	8.146
39-108-S	40,21	40,21	1785,20	0,42	8.479
39-109-S	40,21	40,21	1785,23	0,63	8.886
40-1-S	40,21	40,21	1784,75	-0,42	9.738
40-2-S	40,21	40,21	1784,69	-0,52	9.361
40-3-S	40,21	40,21	1784,65	-0,59	9.021
40-4-S	40,21	40,21	1784,63	-0,63	8.688
40-5-S	40,21	40,21	1784,45	-0,95	8.337
40-6-S	40,21	40,21	1784,22	-1,36	8.004
40-7-S	40,21	40,21	1784,02	-1,73	7.706
40-8-S	40,21	40,21	1783,85	-2,04	7.445
40-9-S	40,21	40,21	1783,70	-2,29	7.167
40-10-S	40,21	40,21	1783,60	-2,47	6.821
40-11-S	40,21	40,21	1783,54	-2,59	6.525
40-12-S	40,21	40,21	1783,49	-2,68	6.265
40-13-S	40,21	40,21	1783,46	-2,74	6.035
40-14-S	40,21	40,21	1783,43	-2,79	5.823
40-15-S	40,21	40,21	1783,44	-2,77	5.489
40-16-S	40,21	40,21	1783,46	-2,73	5.165
40-17-S	40,21	40,21	1783,49	-2,68	4.885
40-18-S	40,21	40,21	1783,53	-2,61	4.646
40-19-S	40,21	40,21	1783,57	-2,53	4.437
40-20-S	40,21	64,34	2784,28	-5,98	6.615
40-21-S	40,21	80,42	3036,15	-7,29	6.840
40-22-S	40,21	80,42	3035,97	-7,48	6.517
40-23-S	40,21	80,42	3035,86	-7,59	6.241
40-24-S	40,21	56,30	-4066,71	-168,27	5.439
40-25-S	40,21	40,21	-2923,97	-110,68	3.523
40-26-S	40,21	40,21	-2931,92	-102,36	3.198
40-27-S	40,21	40,21	-2939,77	-94,14	2.779
40-28-S	40,21	40,21	-2946,06	-87,56	2.423
40-29-S	40,21	40,21	-2950,91	-82,48	2.159
40-30-S	40,21	40,21	-2954,82	-78,38	1.957
40-31-S	40,21	40,21	-2958,09	-74,96	1.798
40-32-S	40,21	40,21	-2961,25	-71,65	1.655
40-33-S	40,21	40,21	-2964,78	-67,96	1.492
40-34-S	40,21	56,30	-4138,93	-90,06	1.881
40-35-S	40,21	56,30	-4142,92	-85,73	1.704
40-36-S	40,21	56,30	-4146,36	-82,01	1.558
40-37-S	40,21	56,30	-4150,49	-77,54	1.439
40-38-S	56,30	56,30	-4168,95	-71,16	1.329
40-39-S	56,30	56,30	-4175,93	-63,66	1.237
40-40-S	56,30	64,34	-6120,22	-109,20	1.737
40-41-S	56,30	88,47	-10206,06	-201,23	2.773
40-42-S	56,30	112,59	-14382,87	-288,82	3.812
40-43-S	56,30	112,59	-14396,34	-280,44	4.014
40-44-S	56,30	104,55	-13394,41	-255,52	3.920
40-45-S	56,30	80,42	-10346,64	-197,15	3.245
40-46-S	56,30	56,30	-7260,60	-143,29	2.540
40-47-S	56,30	56,30	-7246,73	-151,53	2.824
40-48-S	56,30	56,30	-7231,52	-160,56	3.150
40-49-S	56,30	56,30	-7217,42	-168,93	3.579
40-50-S	56,30	56,30	-7216,35	-169,57	4.259
40-51-S	56,30	56,30	-7709,52	126,56	4.751
40-52-S	56,30	56,30	-7692,30	116,06	3.390
40-53-S	56,30	56,30	-7651,48	91,17	2.298
40-54-S	56,30	56,30	-7616,71	69,97	1.642
40-55-S	56,30	56,30	-7605,00	62,82	1.462
40-56-S	56,30	56,30	-7607,44	64,31	1.540
40-57-S	56,30	56,30	-7619,22	71,49	1.782
40-58-S	56,30	56,30	-7648,05	89,08	2.336
40-59-S	56,30	56,30	7589,48	55,32	2.152
40-60-S	56,30	56,30	7596,25	59,60	1.962
40-61-S	56,30	56,30	7603,79	64,37	1.789
40-62-S	56,30	56,30	7612,63	69,95	1.638
40-63-S	56,30	56,30	7619,34	74,19	1.522
40-64-S	56,30	56,30	7621,81	75,76	1.448
40-65-S	56,30	56,30	7626,46	78,69	1.382
40-66-S	56,30	80,42	7657,69	81,87	1.339
40-67-S	56,30	104,55	7679,62	86,09	1.338
40-68-S	56,30	112,59	7695,61	93,27	1.341
40-69-S	56,30	112,59	7709,68	101,69	1.351
40-70-S	56,30	88,47	6881,99	90,37	1.250
40-71-S	56,30	64,34	5562,65	66,35	1.056
40-72-S	72,38	56,30	5475,57	56,21	1.094
40-73-S	72,38	56,30	5482,80	64,28	1.190
40-74-S	56,30	56,30	4285,31	55,51	1.019
40-75-S	56,30	40,21	4274,16	58,29	1.105
40-76-S	56,30	40,21	4276,99	61,46	1.220
40-77-S	56,30	40,21	4280,39	65,27	1.362
40-78-S	40,21	40,21	3073,56	48,69	1.066
40-79-S	40,21	40,21	3075,48	50,82	1.168
40-80-S	40,21	40,21	3077,86	53,46	1.294
40-81-S	40,21	40,21	3080,22	56,07	1.425
40-82-S	40,21	40,21	3082,56	58,68	1.563

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
40-83-S	40,21	40,21	3085,41	61,84	1.738
40-84-S	40,21	40,21	3088,94	65,75	1.964
40-85-S	40,21	40,21	3093,51	70,83	2.264
40-86-S	40,21	40,21	3099,79	77,80	2.543
40-87-S	40,21	56,30	3115,58	86,87	2.874
40-88-S	40,21	80,42	3136,82	98,66	3.304
40-89-S	40,21	80,42	3151,53	114,16	3.872
40-90-S	40,21	80,42	3171,09	134,77	4.652
40-91-S	40,21	64,34	2904,42	136,85	5.231
40-92-S	40,21	40,21	1820,06	65,26	3.929
40-93-S	40,21	40,21	1783,60	-2,48	4.603
40-94-S	40,21	40,21	1783,54	-2,58	4.874
40-95-S	40,21	40,21	1783,49	-2,68	5.186
40-96-S	40,21	40,21	1783,43	-2,79	5.539
40-97-S	40,21	40,21	1783,38	-2,88	5.872
40-98-S	40,21	40,21	1783,38	-2,88	6.107
40-99-S	40,21	40,21	1783,41	-2,82	6.370
40-100-S	40,21	40,21	1783,48	-2,70	6.669
40-101-S	40,21	40,21	1783,56	-2,55	7.008
40-102-S	40,21	40,21	1783,65	-2,39	7.376
40-103-S	40,21	40,21	1783,82	-2,08	7.664
40-104-S	40,21	40,21	1784,02	-1,73	7.909
40-105-S	40,21	40,21	1784,23	-1,35	8.113
40-106-S	40,21	40,21	1784,44	-0,96	8.260
40-107-S	40,21	40,21	1784,61	-0,66	8.461
40-108-S	40,21	40,21	1784,69	-0,52	8.793
40-109-S	40,21	40,21	1784,77	-0,37	9.195
40-110-S	40,21	40,21	1784,87	-0,19	9.688
41-1-S	40,21	40,21	1784,67	-0,56	11.200
41-2-S	40,21	40,21	1784,59	-0,70	10.787
41-3-S	40,21	40,21	1784,52	-0,82	10.415
41-4-S	40,21	40,21	1784,46	-0,93	10.070
41-5-S	40,21	40,21	1784,29	-1,24	9.831
41-6-S	40,21	40,21	1784,09	-1,59	9.578
41-7-S	40,21	40,21	1783,91	-1,92	9.293
41-8-S	40,21	40,21	1783,73	-2,24	8.984
41-9-S	40,21	40,21	1783,60	-2,48	8.575
41-10-S	40,21	40,21	1783,50	-2,65	8.080
41-11-S	40,21	40,21	1783,43	-2,78	7.652
41-12-S	40,21	40,21	1783,38	-2,87	7.276
41-13-S	40,21	40,21	1783,35	-2,94	6.940
41-14-S	40,21	40,21	1783,34	-2,95	6.631
41-15-S	40,21	40,21	1783,40	-2,84	6.254
41-16-S	40,21	40,21	1783,48	-2,69	5.919
41-17-S	40,21	40,21	1783,57	-2,54	5.619
41-18-S	40,21	40,21	1783,65	-2,39	5.351
41-19-S	40,21	40,21	1783,74	-2,23	5.110
41-20-S	40,21	80,42	3036,90	-6,52	8.194
41-21-S	40,21	80,42	3036,46	-6,97	7.675
41-22-S	40,21	80,42	3036,14	-7,30	7.232
41-23-S	40,21	80,42	3035,86	-7,60	6.837
41-24-S	40,21	40,21	-2887,45	-148,92	4.334
41-25-S	40,21	40,21	-2898,88	-136,95	3.901
41-26-S	40,21	40,21	-2909,34	-126,00	3.454
41-27-S	40,21	40,21	-2919,82	-115,03	2.955
41-28-S	40,21	40,21	-2928,38	-106,06	2.574
41-29-S	40,21	40,21	-2935,13	-99,00	2.279
41-30-S	40,21	40,21	-2940,48	-93,39	2.046
41-31-S	40,21	40,21	-2944,76	-88,92	1.858
41-32-S	40,21	40,21	-2949,73	-83,71	1.646
41-33-S	40,21	56,30	-4121,10	-109,37	2.010
41-34-S	40,21	56,30	-4126,95	-103,03	1.789
41-35-S	40,21	56,30	-4132,15	-97,41	1.612
41-36-S	40,21	56,30	-4140,16	-88,73	1.443
41-37-S	56,30	56,30	-4163,86	-76,63	1.275
41-38-S	56,30	56,30	-4173,02	-66,79	1.148
41-39-S	56,30	88,47	-9504,93	-194,60	2.354
41-40-S	56,30	112,59	-14356,79	-305,04	3.155
41-41-S	56,30	112,59	-14409,98	-271,96	2.863
41-42-S	56,30	112,59	-14449,78	-247,20	2.638
41-43-S	56,30	88,47	-11390,26	-201,15	2.040
41-44-S	56,30	56,30	-7273,79	-135,47	1.298
41-45-S	56,30	56,30	-7262,31	-142,28	1.310
41-46-S	56,30	56,30	-7208,89	-173,99	1.555
41-47-S	56,30	56,30	-7154,95	-206,02	1.840
41-48-S	56,30	56,30	-7081,61	-249,56	2.226
41-49-S	56,30	56,30	-6964,33	-319,18	2.787
41-50-S	56,30	56,30	-6795,80	-419,22	3.498
41-51-S	56,30	56,30	-6607,78	-530,85	4.408
41-52-S	56,30	56,30	-6384,92	-663,15	5.662
41-53-S	56,30	56,30	6600,80	-535,71	5.018
41-54-S	56,30	56,30	6974,00	-314,68	4.224
41-55-S	56,30	56,30	7298,72	-122,35	3.626
41-56-S	56,30	56,30	7482,31	-11,94	3.081
41-57-S	56,30	56,30	7572,12	44,34	2.640
41-58-S	56,30	56,30	7672,40	107,74	2.325
41-59-S	56,30	56,30	7782,37	177,26	2.079
41-60-S	56,30	56,30	7857,99	225,07	1.874
41-61-S	56,30	56,30	7854,81	223,06	1.688

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
41-62-S	56,30	56,30	7815,94	198,48	1.511
41-63-S	56,30	56,30	7769,57	169,17	1.348
41-64-S	56,30	56,30	7729,58	143,89	1.214
41-65-S	56,30	56,30	7703,17	127,19	1.117
41-66-S	56,30	56,30	7686,33	116,55	1.050
41-67-S	56,30	56,30	7671,69	107,29	1.007
41-68-S	72,38	56,30	9816,12	127,84	1.248
41-69-S	72,38	88,47	9852,14	124,47	1.270
41-70-S	72,38	112,59	9878,44	126,67	1.346
41-71-S	72,38	112,59	9887,67	132,41	1.429
41-72-S	72,38	112,59	9916,00	150,04	1.571
41-73-S	72,38	88,47	8213,96	120,74	1.460
41-74-S	72,38	56,30	5482,38	63,82	1.087
41-75-S	72,38	56,30	5492,54	75,15	1.221
41-76-S	56,30	56,30	4296,55	67,96	1.083
41-77-S	56,30	40,21	4287,56	73,30	1.212
41-78-S	56,30	40,21	4292,39	78,70	1.370
41-79-S	40,21	40,21	3083,79	60,04	1.104
41-80-S	40,21	40,21	3086,82	63,40	1.237
41-81-S	40,21	40,21	3089,88	66,80	1.384
41-82-S	40,21	40,21	3092,68	69,90	1.526
41-83-S	40,21	40,21	3096,10	73,70	1.700
41-84-S	40,21	40,21	3100,41	78,48	1.919
41-85-S	40,21	40,21	3105,95	84,63	2.202
41-86-S	40,21	40,21	3113,49	93,00	2.586
41-87-S	40,21	40,21	3122,19	102,65	2.956
41-88-S	40,21	40,21	3132,98	114,63	3.365
41-89-S	40,21	80,42	3166,65	130,09	3.913
41-90-S	40,21	80,42	3185,15	149,58	4.621
41-91-S	40,21	80,42	3210,91	177,35	5.637
41-92-S	40,21	80,42	3250,61	220,59	7.223
41-93-S	40,21	40,21	1783,73	-2,25	4.934
41-94-S	40,21	40,21	1783,66	-2,37	5.216
41-95-S	40,21	40,21	1783,60	-2,47	5.534
41-96-S	40,21	40,21	1783,57	-2,53	5.897
41-97-S	40,21	40,21	1783,56	-2,55	6.313
41-98-S	40,21	40,21	1783,55	-2,56	6.779
41-99-S	40,21	40,21	1783,58	-2,51	7.118
41-100-S	40,21	40,21	1783,62	-2,44	7.437
41-101-S	40,21	40,21	1783,66	-2,36	7.788
41-102-S	40,21	40,21	1783,71	-2,29	8.139
41-103-S	40,21	40,21	1783,73	-2,24	8.433
41-104-S	40,21	40,21	1783,79	-2,14	8.653
41-105-S	40,21	40,21	1783,93	-1,89	8.846
41-106-S	40,21	40,21	1784,15	-1,49	9.022
41-107-S	40,21	40,21	1784,38	-1,07	9.202
41-108-S	40,21	40,21	1784,53	-0,80	9.505
41-109-S	40,21	40,21	1784,58	-0,71	10.009
41-110-S	40,21	40,21	1784,64	-0,60	10.589
41-111-S	40,21	40,21	1784,71	-0,48	11.249
42-1-S	48,25	48,25	2139,67	-0,35	15.704
42-2-S	48,25	48,25	2139,58	-0,51	14.997
42-3-S	48,25	48,25	2139,52	-0,62	14.418
42-4-S	48,25	48,25	2139,47	-0,71	13.972
42-5-S	48,25	48,25	2139,28	-1,04	13.666
42-6-S	48,25	48,25	-2139,06	-1,45	13.343
42-7-S	48,25	48,25	-2138,90	-1,75	12.728
42-8-S	48,25	48,25	-2138,87	-1,81	12.078
42-9-S	48,25	48,25	-2138,93	-1,69	11.428
42-10-S	48,25	48,25	-2138,96	-1,64	10.889
42-11-S	48,25	48,25	-2138,95	-1,66	10.464
42-12-S	48,25	48,25	-2138,90	-1,75	10.141
42-13-S	48,25	48,25	-2138,83	-1,88	9.870
42-14-S	48,25	48,25	-2138,82	-1,89	9.364
42-15-S	48,25	48,25	-2138,85	-1,84	8.774
42-16-S	48,25	48,25	-2138,89	-1,77	8.270
42-17-S	48,25	48,25	-2138,93	-1,69	7.837
42-18-S	48,25	48,25	-2138,98	-1,61	7.460
42-19-S	48,25	48,25	-2139,03	-1,51	7.132
42-20-S	48,25	96,51	3646,85	-4,30	11.734
42-21-S	48,25	96,51	3646,86	-4,29	11.017
42-22-S	48,25	96,51	3646,78	-4,39	10.385
42-23-S	48,25	96,51	3646,60	-4,56	9.823
42-24-S	48,25	48,25	-3446,93	-197,26	5.505
42-25-S	48,25	48,25	-3462,72	-180,73	4.927
42-26-S	48,25	48,25	-3476,79	-166,00	4.222
42-27-S	48,25	48,25	-3487,42	-154,86	3.668
42-28-S	48,25	48,25	-3495,76	-146,13	3.241
42-29-S	48,25	48,25	-3503,07	-138,48	2.896
42-30-S	48,25	48,25	-3509,88	-131,34	2.608
42-31-S	48,25	48,25	-3516,81	-124,09	2.335
42-32-S	48,25	48,25	-3526,41	-113,93	2.008
42-33-S	48,25	48,25	-3533,78	-106,02	1.760
42-34-S	48,25	48,25	-3539,59	-99,78	1.568
42-35-S	48,25	72,38	-5285,77	-141,10	2.109
42-36-S	48,25	72,38	-5304,96	-120,24	1.840
42-37-S	48,25	72,38	-5320,47	-103,39	1.626
42-38-S	48,25	120,64	-12792,11	-314,83	3.469
42-39-S	72,38	144,76	-18348,23	-437,84	4.203

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
42-40-S	72,38	144,76	-18464,89	-365,05	3.647
42-41-S	72,38	144,76	-18566,58	-301,60	2.964
42-42-S	72,38	104,55	-13549,27	-182,48	1.650
42-43-S	88,47	88,47	-11541,52	-139,70	1.171
42-44-S	88,47	88,47	-11542,82	-138,91	1.096
42-45-S	88,47	88,47	-11494,76	-168,22	1.207
42-46-S	72,38	72,38	-9315,21	-191,01	1.226
42-47-S	72,38	72,38	-9164,60	-280,59	1.641
42-48-S	72,38	72,38	-8902,77	-436,30	2.367
42-49-S	72,38	72,38	-8527,46	-659,52	3.066
42-50-S	72,38	72,38	-7910,74	-1026,30	4.275
42-51-S	72,38	72,38	-6809,04	-1681,52	6.521
42-52-S	72,38	72,38	9738,14	64,24	9.992
42-53-S	72,38	72,38	7395,67	-1337,93	6.882
42-54-S	72,38	72,38	8589,94	-631,86	4.867
42-55-S	72,38	72,38	9206,78	-260,81	3.653
42-56-S	72,38	72,38	9540,78	-58,04	2.938
42-57-S	72,38	72,38	9747,20	69,96	2.643
42-58-S	72,38	72,38	9928,82	184,60	2.465
42-59-S	72,38	72,38	10104,79	295,69	2.340
42-60-S	72,38	72,38	10282,87	408,11	2.256
42-61-S	72,38	72,38	10433,40	503,13	2.171
42-62-S	72,38	72,38	10267,88	398,64	1.836
42-63-S	72,38	72,38	10149,98	324,22	1.598
42-64-S	72,38	72,38	10057,54	265,86	1.419
42-65-S	72,38	72,38	9977,47	215,32	1.269
42-66-S	72,38	72,38	9899,14	165,87	1.049
42-67-S	96,51	72,38	13063,99	169,83	1.176
42-68-S	96,51	72,38	13001,22	129,91	1.009
42-69-S	96,51	72,38	13007,91	134,17	1.125
42-70-S	96,51	104,55	13081,01	145,70	1.323
42-71-S	72,38	144,76	9904,64	126,30	1.247
42-72-S	72,38	144,76	9943,41	149,46	1.464
42-73-S	72,38	144,76	9990,23	177,45	1.692
42-74-S	72,38	120,64	8275,57	148,49	1.637
42-75-S	72,38	72,38	5512,08	78,97	1.228
42-76-S	72,38	72,38	5525,29	93,57	1.397
42-77-S	48,25	72,38	3709,24	71,46	1.063
42-78-S	48,25	48,25	3700,68	75,60	1.185
42-79-S	48,25	48,25	3705,25	80,66	1.340
42-80-S	48,25	48,25	3710,73	86,74	1.540
42-81-S	48,25	48,25	3715,02	91,49	1.719
42-82-S	48,25	48,25	3719,38	96,33	1.917
42-83-S	48,25	48,25	3724,34	101,83	2.155
42-84-S	48,25	48,25	3730,37	108,52	2.451
42-85-S	48,25	48,25	3737,81	116,76	2.824
42-86-S	48,25	48,25	3744,50	124,18	3.210
42-87-S	48,25	48,25	3751,80	132,28	3.662
42-88-S	48,25	48,25	3763,04	144,74	4.230
42-89-S	48,25	96,51	3804,53	165,64	4.970
42-90-S	48,25	96,51	3830,98	194,35	5.950
42-91-S	48,25	96,51	3870,48	237,19	7.401
42-92-S	48,25	96,51	3935,38	307,62	9.769
42-93-S	48,25	48,25	2138,88	-1,77	6.956
42-94-S	48,25	48,25	2138,89	-1,76	7.331
42-95-S	48,25	48,25	2138,89	-1,75	7.752
42-96-S	48,25	48,25	2138,91	-1,71	8.251
42-97-S	48,25	48,25	-2138,96	-1,64	8.668
42-98-S	48,25	48,25	-2139,02	-1,52	9.001
42-99-S	48,25	48,25	-2139,09	-1,40	9.357
42-100-S	48,25	48,25	-2139,15	-1,29	9.694
42-101-S	48,25	48,25	-2139,19	-1,22	10.145
42-102-S	48,25	48,25	-2139,22	-1,17	10.688
42-103-S	48,25	48,25	-2139,25	-1,11	11.292
42-104-S	48,25	48,25	-2139,28	-1,05	11.968
42-105-S	48,25	48,25	2139,32	-0,98	12.723
42-106-S	48,25	48,25	2139,39	-0,85	13.167
42-107-S	48,25	48,25	2139,45	-0,74	13.471
42-108-S	48,25	48,25	2139,47	-0,72	14.141
42-109-S	48,25	48,25	2139,48	-0,70	14.861
42-110-S	48,25	48,25	2139,49	-0,67	15.633
42-111-S	48,25	48,25	2139,51	-0,64	16.491
43-1-S	40,21	40,21	-1785,06	0,16	13.480
43-2-S	40,21	40,21	-1785,06	0,16	12.516
43-3-S	40,21	40,21	-1785,06	0,16	11.681
43-4-S	40,21	40,21	-1785,06	0,16	10.981
43-5-S	40,21	40,21	-1785,07	0,18	10.384
43-6-S	40,21	40,21	-1785,08	0,20	9.921
43-7-S	40,21	40,21	-1785,10	0,23	9.435
43-8-S	40,21	40,21	-1785,10	0,24	8.977
43-9-S	40,21	40,21	-1785,11	0,24	8.562
43-10-S	40,21	40,21	-1785,11	0,25	8.184
43-11-S	40,21	40,21	-1785,11	0,26	7.838
43-12-S	40,21	40,21	-1785,13	0,29	7.512
43-13-S	40,21	40,21	-1785,16	0,35	7.202
43-14-S	40,21	40,21	-1785,19	0,41	6.784
43-15-S	40,21	40,21	-1785,22	0,46	6.404
43-16-S	40,21	40,21	-1785,24	0,50	6.080
43-17-S	40,21	40,21	-1785,26	0,53	5.790

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
43-18-S	40,21	40,21	-1785,27	0,55	5.543
43-19-S	40,21	40,21	-1785,28	0,57	5.317
43-20-S	40,21	80,42	3045,37	2,30	12.853
43-21-S	40,21	80,42	3045,26	2,18	11.954
43-22-S	40,21	80,42	3045,19	2,10	11.201
43-23-S	40,21	80,42	-5666,53	-356,92	10.254
43-24-S	40,21	40,21	-2873,37	-163,66	4.594
43-25-S	40,21	40,21	-2887,25	-149,13	4.036
43-26-S	40,21	40,21	-2899,85	-135,93	3.431
43-27-S	40,21	40,21	-2909,43	-125,91	2.982
43-28-S	40,21	40,21	-2916,93	-118,05	2.636
43-29-S	40,21	40,21	-2923,01	-111,69	2.361
43-30-S	40,21	40,21	-2927,74	-106,73	2.126
43-31-S	40,21	40,21	-2931,16	-103,15	1.909
43-32-S	40,21	40,21	-2934,69	-99,46	1.722
43-33-S	40,21	56,30	-4101,66	-130,43	2.125
43-34-S	40,21	56,30	-4110,78	-120,55	1.857
43-35-S	40,21	56,30	-4118,97	-111,68	1.639
43-36-S	40,21	56,30	-4133,29	-96,17	1.419
43-37-S	64,34	56,30	-4163,48	-82,26	1.246
43-38-S	64,34	96,51	-10310,36	-255,51	2.721
43-39-S	64,34	128,68	-16308,75	-399,13	3.644
43-40-S	64,34	128,68	-16405,92	-338,59	3.170
43-41-S	64,34	128,68	-16492,06	-284,92	2.692
43-42-S	64,34	112,59	-14539,25	-205,15	1.830
43-43-S	72,38	72,38	-9425,41	-125,47	1.033
43-44-S	72,38	72,38	-9408,79	-135,35	1.028
43-45-S	72,38	72,38	-9368,75	-159,17	1.118
43-46-S	64,34	64,34	-8271,25	-177,10	1.155
43-47-S	64,34	64,34	-8158,35	-244,18	1.491
43-48-S	64,34	64,34	-7941,79	-372,88	1.965
43-49-S	64,34	64,34	-7621,25	-563,36	2.524
43-50-S	64,34	56,30	-6187,43	-783,19	3.111
43-51-S	64,34	56,30	8565,15	3,25	4.853
43-52-S	64,34	56,30	8547,93	-7,35	4.156
43-53-S	64,34	56,30	8544,19	-9,63	3.571
43-54-S	64,34	56,30	8540,25	-12,03	3.166
43-55-S	64,34	56,30	8534,92	-15,27	2.898
43-56-S	64,34	56,30	8522,02	-23,13	2.688
43-57-S	64,34	56,30	8716,48	99,20	2.406
43-58-S	64,34	56,30	8933,54	236,82	2.313
43-59-S	64,34	56,30	9132,36	362,86	2.230
43-60-S	64,34	56,30	9270,80	450,64	2.119
43-61-S	64,34	56,30	9345,40	497,93	1.986
43-62-S	64,34	56,30	9207,61	410,57	1.691
43-63-S	64,34	56,30	9066,33	321,00	1.445
43-64-S	64,34	56,30	8953,21	249,28	1.260
43-65-S	64,34	56,30	8861,68	191,25	1.116
43-66-S	96,51	56,30	13080,79	203,93	1.328
43-67-S	96,51	56,30	13011,91	159,76	1.132
43-68-S	96,51	56,30	12980,54	139,65	1.074
43-69-S	96,51	56,30	12971,61	133,93	1.116
43-70-S	96,51	88,47	13052,27	143,34	1.295
43-71-S	64,34	112,59	8802,37	116,59	1.123
43-72-S	64,34	112,59	8839,63	138,94	1.312
43-73-S	64,34	112,59	8883,01	164,96	1.504
43-74-S	64,34	88,47	7350,31	136,92	1.444
43-75-S	64,34	56,30	4896,72	72,78	1.083
43-76-S	64,34	56,30	4908,41	85,77	1.236
43-77-S	64,34	56,30	4918,22	96,68	1.405
43-78-S	64,34	40,21	4905,58	102,43	1.573
43-79-S	40,21	40,21	3091,84	68,98	1.126
43-80-S	40,21	40,21	3095,82	73,38	1.276
43-81-S	40,21	40,21	3098,99	76,90	1.417
43-82-S	40,21	40,21	3102,67	81,00	1.591
43-83-S	40,21	40,21	3107,39	86,23	1.813
43-84-S	40,21	40,21	3113,19	92,66	2.079
43-85-S	40,21	40,21	3118,86	98,96	2.357
43-86-S	40,21	40,21	3124,31	105,00	2.669
43-87-S	40,21	40,21	3130,23	111,58	3.046
43-88-S	40,21	40,21	3138,26	120,48	3.545
43-89-S	40,21	80,42	3173,71	137,53	4.191
43-90-S	40,21	80,42	3197,23	162,44	5.025
43-91-S	40,21	80,42	3231,21	199,46	6.263
43-92-S	40,21	80,42	3287,11	260,36	8.299
43-93-S	40,21	40,21	-1785,22	0,45	5.636
43-94-S	40,21	40,21	-1785,25	0,51	5.794
43-95-S	40,21	40,21	-1785,28	0,56	5.979
43-96-S	40,21	40,21	-1785,30	0,60	6.194
43-97-S	40,21	40,21	-1785,31	0,63	6.446
43-98-S	40,21	40,21	-1785,32	0,64	6.741
43-99-S	40,21	40,21	-1785,31	0,63	7.085
43-100-S	40,21	40,21	-1785,29	0,59	7.478
43-101-S	40,21	40,21	-1785,28	0,57	7.908
43-102-S	40,21	40,21	-1785,30	0,60	8.369
43-103-S	40,21	40,21	-1785,35	0,70	8.862
43-104-S	40,21	40,21	-1785,42	0,84	9.395
43-105-S	40,21	40,21	-1785,43	0,85	9.927
43-106-S	40,21	40,21	-1785,34	0,68	10.417

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
43-107-S	40,21	40,21	-1785,22	0,45	10.941
43-108-S	40,21	40,21	-1785,11	0,25	11.450
43-109-S	40,21	40,21	-1785,08	0,19	11.797
43-110-S	40,21	40,21	-1785,03	0,11	12.179
43-111-S	40,21	40,21	-1784,97	-0,01	12.614
44-1-S	40,21	40,21	-1785,12	0,27	11.882
44-2-S	40,21	40,21	-1785,19	0,41	11.214
44-3-S	40,21	40,21	-1785,26	0,52	10.656
44-4-S	40,21	40,21	-1785,31	0,62	10.164
44-5-S	40,21	40,21	-1785,44	0,87	9.758
44-6-S	40,21	40,21	-1785,64	1,24	9.402
44-7-S	40,21	40,21	-1785,81	1,57	9.063
44-8-S	40,21	40,21	-1785,91	1,74	8.711
44-9-S	40,21	40,21	-1785,91	1,75	8.348
44-10-S	40,21	40,21	-1785,91	1,75	7.966
44-11-S	40,21	40,21	-1785,93	1,79	7.583
44-12-S	40,21	40,21	-1785,96	1,85	7.222
44-13-S	40,21	40,21	-1785,99	1,90	6.893
44-14-S	40,21	40,21	-1786,01	1,94	6.563
44-15-S	40,21	40,21	-1786,00	1,92	6.175
44-16-S	40,21	40,21	-1785,99	1,90	5.829
44-17-S	40,21	40,21	-1785,96	1,84	5.538
44-18-S	40,21	40,21	-1785,92	1,76	5.298
44-19-S	40,21	40,21	-1785,86	1,66	5.096
44-20-S	40,21	80,42	-5582,12	-449,53	14.951
44-21-S	40,21	80,42	-5642,36	-383,44	12.462
44-22-S	40,21	80,42	-5685,05	-336,60	10.695
44-23-S	40,21	80,42	-5716,86	-301,70	9.377
44-24-S	40,21	40,21	-2897,30	-138,60	4.218
44-25-S	40,21	40,21	-2908,58	-126,79	3.713
44-26-S	40,21	40,21	-2917,58	-117,37	3.206
44-27-S	40,21	40,21	-2924,62	-110,00	2.823
44-28-S	40,21	40,21	-2930,28	-104,08	2.522
44-29-S	40,21	40,21	-2934,97	-99,16	2.281
44-30-S	40,21	40,21	-2940,00	-93,90	2.033
44-31-S	40,21	40,21	-2944,11	-89,59	1.824
44-32-S	40,21	40,21	-2947,31	-86,24	1.657
44-33-S	40,21	56,30	-4115,42	-115,53	2.103
44-34-S	40,21	56,30	-4123,85	-106,39	1.825
44-35-S	40,21	56,30	-4130,55	-99,14	1.617
44-36-S	40,21	56,30	-4137,17	-91,97	1.447
44-37-S	56,30	56,30	-4161,39	-79,28	1.265
44-38-S	56,30	56,30	-4171,75	-68,15	1.126
44-39-S	56,30	88,47	-9501,62	-197,04	2.292
44-40-S	56,30	112,59	-14374,42	-294,08	3.022
44-41-S	56,30	112,59	-14433,67	-257,22	2.754
44-42-S	56,30	112,59	-14458,01	-242,08	2.686
44-43-S	56,30	88,47	-11406,30	-191,26	2.125
44-44-S	56,30	56,30	-7279,79	-131,90	1.397
44-45-S	56,30	56,30	-7248,73	-150,34	1.494
44-46-S	56,30	56,30	-7214,57	-170,62	1.650
44-47-S	56,30	56,30	-7175,85	-193,61	1.878
44-48-S	56,30	56,30	-7119,92	-226,81	2.199
44-49-S	56,30	56,30	-7015,57	-288,76	2.739
44-50-S	56,30	56,30	7486,37	-9,47	3.238
44-51-S	56,30	56,30	7462,16	-24,16	2.790
44-52-S	56,30	56,30	7442,53	-36,07	2.430
44-53-S	56,30	56,30	7427,71	-45,06	2.041
44-54-S	56,30	56,30	7419,25	-50,19	1.827
44-55-S	56,30	56,30	7415,00	-52,77	1.719
44-56-S	56,30	56,30	7413,81	-53,50	1.677
44-57-S	56,30	56,30	7417,22	-51,43	1.705
44-58-S	56,30	56,30	7426,34	-45,89	1.835
44-59-S	56,30	56,30	7439,94	-37,64	2.048
44-60-S	56,30	56,30	7754,04	159,35	1.851
44-61-S	56,30	56,30	7754,13	159,41	1.658
44-62-S	56,30	56,30	7744,89	153,57	1.491
44-63-S	56,30	56,30	7711,43	132,41	1.330
44-64-S	56,30	56,30	7690,05	118,90	1.209
44-65-S	56,30	56,30	7678,50	111,59	1.115
44-66-S	56,30	56,30	7673,61	108,50	1.060
44-67-S	56,30	56,30	7667,52	104,65	1.029
44-68-S	56,30	56,30	7657,27	98,17	1.015
44-69-S	56,30	88,47	7681,01	92,59	1.027
44-70-S	56,30	112,59	7696,77	93,96	1.056
44-71-S	56,30	112,59	7711,09	102,53	1.106
44-72-S	56,30	112,59	7738,13	118,72	1.218
44-73-S	56,30	88,47	6415,90	99,12	1.143
44-74-S	72,38	56,30	5484,81	66,52	1.087
44-75-S	72,38	56,30	5494,43	77,25	1.217
44-76-S	56,30	56,30	4297,89	69,45	1.080
44-77-S	56,30	40,21	4288,88	74,77	1.204
44-78-S	56,30	40,21	4294,12	80,64	1.361
44-79-S	40,21	40,21	3085,01	61,39	1.099
44-80-S	40,21	40,21	3087,57	64,23	1.218
44-81-S	40,21	40,21	3090,71	67,72	1.365
44-82-S	40,21	40,21	3094,27	71,67	1.536
44-83-S	40,21	40,21	3097,68	75,46	1.718
44-84-S	40,21	40,21	3101,49	79,68	1.925

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
44-85-S	40,21	40,21	3106,32	85,05	2.188
44-86-S	40,21	40,21	3112,69	92,11	2.534
44-87-S	40,21	40,21	3120,95	101,28	2.978
44-88-S	40,21	40,21	3131,32	112,79	3.432
44-89-S	40,21	80,42	3166,09	129,50	4.008
44-90-S	40,21	80,42	3185,46	149,91	4.738
44-91-S	40,21	80,42	3212,77	179,37	5.793
44-92-S	40,21	80,42	3254,56	224,90	7.435
44-93-S	40,21	40,21	-1785,92	1,76	5.434
44-94-S	40,21	40,21	-1785,96	1,85	5.523
44-95-S	40,21	40,21	-1786,01	1,93	5.636
44-96-S	40,21	40,21	-1786,05	2,01	5.777
44-97-S	40,21	40,21	-1786,09	2,08	5.947
44-98-S	40,21	40,21	-1786,11	2,13	6.159
44-99-S	40,21	40,21	-1786,12	2,14	6.463
44-100-S	40,21	40,21	-1786,10	2,11	6.813
44-101-S	40,21	40,21	-1786,08	2,07	7.205
44-102-S	40,21	40,21	-1786,04	2,00	7.651
44-103-S	40,21	40,21	-1785,98	1,88	8.161
44-104-S	40,21	40,21	-1785,90	1,73	8.696
44-105-S	40,21	40,21	-1785,78	1,51	9.242
44-106-S	40,21	40,21	-1785,66	1,28	9.821
44-107-S	40,21	40,21	-1785,53	1,03	10.433
44-108-S	40,21	40,21	-1785,40	0,79	11.007
44-109-S	40,21	40,21	-1785,34	0,68	11.402
44-110-S	40,21	40,21	-1785,28	0,56	11.828
44-111-S	40,21	40,21	-1785,20	0,43	12.299
45-1-S	40,21	40,21	-1785,06	0,16	11.810
45-2-S	40,21	40,21	-1785,18	0,37	11.170
45-3-S	40,21	40,21	-1785,27	0,55	10.634
45-4-S	40,21	40,21	-1785,36	0,71	10.179
45-5-S	40,21	40,21	-1785,52	1,01	9.762
45-6-S	40,21	40,21	-1785,71	1,38	9.351
45-7-S	40,21	40,21	-1785,90	1,73	8.891
45-8-S	40,21	40,21	-1786,08	2,06	8.407
45-9-S	40,21	40,21	-1786,22	2,33	7.931
45-10-S	40,21	40,21	-1786,29	2,47	7.491
45-11-S	40,21	40,21	-1786,36	2,59	7.097
45-12-S	40,21	40,21	-1786,41	2,68	6.748
45-13-S	40,21	40,21	-1786,43	2,73	6.471
45-14-S	40,21	40,21	-1786,44	2,74	6.252
45-15-S	40,21	40,21	-1786,40	2,67	5.983
45-16-S	40,21	40,21	-1786,34	2,56	5.700
45-17-S	40,21	40,21	-1786,29	2,47	5.443
45-18-S	40,21	40,21	-1786,24	2,36	5.213
45-19-S	40,21	40,21	-1742,65	-76,59	4.743
45-20-S	40,21	64,34	-4208,22	-248,42	9.817
45-21-S	40,21	80,42	-5709,95	-309,29	11.116
45-22-S	40,21	80,42	-5747,28	-268,33	9.536
45-23-S	40,21	80,42	-5776,50	-236,27	8.337
45-24-S	40,21	56,30	-4084,81	-148,67	5.216
45-25-S	40,21	40,21	-2936,64	-97,42	3.320
45-26-S	40,21	40,21	-2942,03	-91,78	2.926
45-27-S	40,21	40,21	-2946,14	-87,47	2.625
45-28-S	40,21	40,21	-2949,39	-84,07	2.388
45-29-S	40,21	40,21	-2952,09	-81,24	2.191
45-30-S	40,21	40,21	-2956,45	-76,68	1.967
45-31-S	40,21	40,21	-2960,20	-72,75	1.789
45-32-S	40,21	40,21	-2963,34	-69,46	1.645
45-33-S	40,21	40,21	-2965,98	-66,69	1.521
45-34-S	40,21	56,30	-4141,31	-87,49	1.898
45-35-S	40,21	56,30	-4146,60	-81,76	1.685
45-36-S	40,21	56,30	-4150,62	-77,40	1.550
45-37-S	40,21	56,30	-4155,33	-72,30	1.449
45-38-S	40,21	56,30	-4162,59	-64,44	1.337
45-39-S	40,21	56,30	-4170,54	-55,83	1.239
45-40-S	40,21	64,34	-6118,33	-95,55	1.746
45-41-S	56,30	88,47	-10242,36	-176,25	2.826
45-42-S	56,30	112,59	-14443,66	-251,01	3.891
45-43-S	56,30	112,59	-14466,34	-236,90	3.967
45-44-S	56,30	104,55	-13467,61	-210,12	3.885
45-45-S	56,30	80,42	-10409,62	-158,41	3.208
45-46-S	56,30	56,30	-7305,16	-116,84	2.510
45-47-S	56,30	56,30	-7290,88	-125,32	2.869
45-48-S	56,30	56,30	-7280,32	-131,59	3.300
45-49-S	56,30	56,30	7427,83	-44,99	3.047
45-50-S	56,30	56,30	7419,73	-49,90	2.616
45-51-S	56,30	56,30	7414,96	-52,80	2.197
45-52-S	56,30	56,30	7420,29	-49,57	1.652
45-53-S	56,30	56,30	7424,03	-47,30	1.323
45-54-S	56,30	56,30	7426,89	-45,56	1.104
45-55-S	64,34	56,30	8477,57	-50,18	1.093
45-56-S	56,30	56,30	7432,71	-42,03	1.006
45-57-S	56,30	56,30	7433,72	-41,41	1.131
45-58-S	56,30	56,30	7431,00	-43,07	1.341
45-59-S	56,30	56,30	7422,74	-48,08	1.703
45-60-S	56,30	56,30	7587,11	53,82	1.998
45-61-S	56,30	56,30	7592,53	57,25	1.792
45-62-S	56,30	56,30	7596,47	59,73	1.629

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
45-63-S	56,30	56,30	7595,20	58,94	1.519
45-64-S	56,30	56,30	7596,30	59,63	1.444
45-65-S	56,30	56,30	7599,28	61,51	1.385
45-66-S	56,30	80,42	7627,54	63,70	1.337
45-67-S	56,30	104,55	7649,91	68,28	1.315
45-68-S	56,30	112,59	7667,23	76,28	1.313
45-69-S	56,30	112,59	7682,34	85,32	1.334
45-70-S	56,30	88,47	6863,41	77,92	1.248
45-71-S	56,30	64,34	5553,50	58,51	1.063
45-72-S	72,38	56,30	5469,98	49,97	1.103
45-73-S	72,38	56,30	5476,84	57,63	1.187
45-74-S	56,30	56,30	4281,13	50,88	1.012
45-75-S	56,30	40,21	4270,76	54,49	1.094
45-76-S	56,30	40,21	4273,90	58,00	1.193
45-77-S	56,30	40,21	4277,72	62,27	1.324
45-78-S	40,21	40,21	3072,71	47,74	1.059
45-79-S	40,21	40,21	3074,32	49,53	1.158
45-80-S	40,21	40,21	3076,52	51,97	1.273
45-81-S	40,21	40,21	3079,39	55,16	1.409
45-82-S	40,21	40,21	3083,01	59,18	1.581
45-83-S	40,21	40,21	3086,96	63,55	1.790
45-84-S	40,21	40,21	3090,04	66,98	2.028
45-85-S	40,21	40,21	3093,93	71,29	2.298
45-86-S	40,21	40,21	3099,93	77,95	2.578
45-87-S	40,21	56,30	3115,68	86,98	2.913
45-88-S	40,21	80,42	3136,96	98,80	3.353
45-89-S	40,21	80,42	3151,72	114,36	3.934
45-90-S	40,21	80,42	3171,62	135,33	4.732
45-91-S	40,21	64,34	2905,15	137,72	5.317
45-92-S	40,21	40,21	1820,08	65,30	3.965
45-93-S	40,21	40,21	1825,85	76,03	4.720
45-94-S	40,21	40,21	-1786,38	2,63	5.596
45-95-S	40,21	40,21	-1786,36	2,59	5.713
45-96-S	40,21	40,21	-1786,33	2,53	5.841
45-97-S	40,21	40,21	-1786,29	2,46	5.987
45-98-S	40,21	40,21	-1786,26	2,41	6.162
45-99-S	40,21	40,21	-1786,23	2,35	6.360
45-100-S	40,21	40,21	-1786,19	2,28	6.600
45-101-S	40,21	40,21	-1786,15	2,19	6.891
45-102-S	40,21	40,21	-1786,07	2,05	7.257
45-103-S	40,21	40,21	-1785,97	1,87	7.708
45-104-S	40,21	40,21	-1785,85	1,64	8.228
45-105-S	40,21	40,21	-1785,69	1,33	8.855
45-106-S	40,21	40,21	-1785,49	0,95	9.601
45-107-S	40,21	40,21	-1785,32	0,64	10.335
45-108-S	40,21	40,21	-1785,29	0,59	10.844
45-109-S	40,21	40,21	-1785,26	0,52	11.383
45-110-S	40,21	40,21	-1785,20	0,42	11.994
46-1-S	40,21	40,21	-1784,44	-0,82	12.247
46-2-S	40,21	40,21	-1784,69	-0,53	11.488
46-3-S	40,21	40,21	-1784,81	-0,31	10.835
46-4-S	40,21	40,21	-1784,88	-0,17	10.194
46-5-S	40,21	40,21	-1785,04	0,11	9.531
46-6-S	40,21	40,21	-1785,34	0,69	8.856
46-7-S	40,21	40,21	-1785,61	1,18	8.268
46-8-S	40,21	40,21	-1785,81	1,55	7.781
46-9-S	40,21	40,21	-1785,96	1,84	7.373
46-10-S	40,21	40,21	-1786,04	2,00	7.058
46-11-S	40,21	40,21	-1786,09	2,08	6.826
46-12-S	40,21	40,21	-1786,11	2,12	6.634
46-13-S	40,21	40,21	-1786,10	2,11	6.464
46-14-S	40,21	40,21	-1786,10	2,11	6.304
46-15-S	40,21	40,21	-1786,09	2,09	6.064
46-16-S	40,21	40,21	-1786,07	2,05	5.759
46-17-S	40,21	40,21	-1786,04	1,99	5.518
46-18-S	40,21	40,21	-1748,69	-65,67	4.773
46-19-S	40,21	40,21	-1752,71	-58,40	4.184
46-20-S	40,21	40,21	-1991,01	-68,14	4.214
46-21-S	40,21	64,34	-4272,87	-171,84	7.811
46-22-S	40,21	80,42	-5796,51	-214,31	8.992
46-23-S	40,21	80,42	-5821,54	-186,86	7.825
46-24-S	40,21	80,42	-5839,43	-167,22	6.986
46-25-S	40,21	56,30	-4122,05	-108,34	4.483
46-26-S	40,21	40,21	-2960,04	-72,92	2.948
46-27-S	40,21	40,21	-2963,15	-69,66	2.715
46-28-S	40,21	40,21	-2965,09	-67,63	2.510
46-29-S	40,21	40,21	-2967,48	-65,13	2.295
46-30-S	40,21	40,21	-2971,46	-60,96	2.058
46-31-S	40,21	40,21	-2974,48	-57,79	1.884
46-32-S	40,21	40,21	-2976,86	-55,31	1.752
46-33-S	40,21	40,21	-2978,78	-53,30	1.651
46-34-S	40,21	40,21	-2980,48	-51,52	1.569
46-35-S	40,21	40,21	-2982,32	-49,59	1.497
46-36-S	40,21	40,21	-2984,22	-47,60	1.421
46-37-S	40,21	40,21	-2986,05	-45,68	1.346
46-38-S	40,21	40,21	-2987,51	-44,16	1.300
46-39-S	40,21	40,21	-2989,53	-42,04	1.270
46-40-S	40,21	40,21	-2992,77	-38,65	1.231
46-41-S	40,21	56,30	-4176,90	-48,94	1.702

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
46-42-S	40,21	56,30	-4781,11	-58,38	1.982
46-43-S	40,21	72,38	-7087,29	-89,40	2.991
46-44-S	40,21	80,42	-8716,94	-109,94	3.846
46-45-S	48,25	96,51	5822,31	-50,54	4.132
46-46-S	64,34	104,55	8461,79	-83,19	5.073
46-47-S	64,34	96,51	8452,03	-85,85	4.298
46-48-S	64,34	88,47	8453,60	-81,49	3.520
46-49-S	64,34	80,42	8456,83	-77,43	2.959
46-50-S	64,34	64,34	8446,96	-74,23	2.551
46-51-S	64,34	56,30	8449,04	-67,53	2.116
46-52-S	64,34	56,30	8467,01	-56,60	1.644
46-53-S	64,34	56,30	8478,24	-49,77	1.354
46-54-S	64,34	56,30	8485,57	-45,31	1.164
46-55-S	64,34	56,30	8489,12	-43,15	1.067
46-56-S	64,34	56,30	8484,24	-46,11	1.163
46-57-S	64,34	56,30	8476,68	-50,72	1.333
46-58-S	64,34	56,30	8465,47	-57,54	1.623
46-59-S	64,34	56,30	8450,85	-66,43	2.055
46-60-S	64,34	64,34	8609,70	25,55	2.544
46-61-S	64,34	80,42	8635,06	31,43	2.398
46-62-S	64,34	88,47	8650,44	36,06	2.257
46-63-S	64,34	96,51	8663,76	39,77	2.120
46-64-S	64,34	104,55	8384,34	43,00	1.958
46-65-S	64,34	96,51	7953,52	46,55	1.823
46-66-S	64,34	80,42	7221,72	45,35	1.624
46-67-S	64,34	72,38	6494,71	42,79	1.454
46-68-S	64,34	56,30	5578,93	36,91	1.266
46-69-S	64,34	56,30	4859,93	31,88	1.121
46-70-S	64,34	40,21	4846,31	35,78	1.145
46-71-S	64,34	40,21	4849,69	39,59	1.196
46-72-S	64,34	40,21	4852,20	42,40	1.244
46-73-S	64,34	40,21	4854,13	44,57	1.291
46-74-S	48,25	40,21	3658,99	35,46	1.040
46-75-S	48,25	40,21	3660,91	37,60	1.125
46-76-S	40,21	40,21	3059,84	33,47	1.016
46-77-S	40,21	40,21	3061,91	35,76	1.095
46-78-S	40,21	40,21	3063,99	38,06	1.187
46-79-S	40,21	40,21	3065,31	39,53	1.294
46-80-S	40,21	40,21	3066,89	41,28	1.417
46-81-S	40,21	40,21	3068,76	43,36	1.556
46-82-S	40,21	40,21	3071,00	45,84	1.713
46-83-S	40,21	40,21	3073,72	48,86	1.893
46-84-S	40,21	40,21	3078,36	54,02	2.089
46-85-S	40,21	56,30	3091,35	60,23	2.322
46-86-S	40,21	80,42	3107,00	67,24	2.610
46-87-S	40,21	80,42	3114,54	75,18	2.963
46-88-S	40,21	80,42	3124,24	85,41	3.426
46-89-S	40,21	64,34	2859,72	83,63	3.688
46-90-S	40,21	40,21	2064,90	50,88	3.085
46-91-S	40,21	40,21	1808,21	43,22	3.057
46-92-S	40,21	40,21	1811,00	48,40	3.492
46-93-S	40,21	40,21	1814,22	54,39	4.010
46-94-S	40,21	40,21	1817,51	60,51	4.575
46-95-S	40,21	40,21	1821,25	67,47	5.250
46-96-S	40,21	40,21	-1786,15	2,20	5.916
46-97-S	40,21	40,21	-1786,09	2,09	6.111
46-98-S	40,21	40,21	-1786,02	1,95	6.334
46-99-S	40,21	40,21	-1785,91	1,76	6.589
46-100-S	40,21	40,21	-1785,78	1,51	6.879
46-101-S	40,21	40,21	-1785,63	1,21	7.206
46-102-S	40,21	40,21	-1785,45	0,89	7.561
46-103-S	40,21	40,21	-1785,30	0,60	8.025
46-104-S	40,21	40,21	-1785,14	0,30	8.567
46-105-S	40,21	40,21	-1785,02	0,08	9.143
46-106-S	40,21	40,21	-1784,96	-0,04	9.769
46-107-S	40,21	40,21	-1784,96	-0,03	10.385
46-108-S	40,21	40,21	-1784,95	-0,05	11.101
46-109-S	40,21	40,21	-1784,83	-0,11	12.011
47-1-S	40,21	40,21	-1780,73	-2,23	16.941
47-2-S	40,21	40,21	-1783,69	-2,32	11.383
47-3-S	40,21	40,21	-1783,83	-2,08	10.529
47-4-S	40,21	40,21	-1783,90	-1,94	9.798
47-5-S	40,21	40,21	-1784,03	-1,72	9.147
47-6-S	40,21	40,21	-1784,18	-1,44	8.626
47-7-S	40,21	40,21	-1784,38	-1,09	8.178
47-8-S	40,21	40,21	-1784,58	-0,73	7.778
47-9-S	40,21	40,21	-1784,77	-0,37	7.445
47-10-S	40,21	40,21	-1784,96	-0,04	7.139
47-11-S	40,21	40,21	-1785,11	0,25	6.867
47-12-S	40,21	40,21	-1785,24	0,50	6.632
47-13-S	40,21	40,21	-1785,33	0,67	6.445
47-14-S	40,21	40,21	-1785,40	0,78	6.292
47-15-S	40,21	40,21	-1785,36	0,71	6.175
47-16-S	40,21	40,21	-1750,15	-63,02	5.723
47-17-S	40,21	40,21	-1754,67	-54,85	4.894
47-18-S	40,21	40,21	-1758,04	-48,74	4.275
47-19-S	40,21	40,21	-1760,66	-44,01	3.795
47-20-S	40,21	40,21	-1762,75	-40,23	3.412
47-21-S	40,21	48,25	-2682,28	-71,54	4.679

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
47-22-S	40,21	64,34	-4313,59	-123,61	6.733
47-23-S	40,21	80,42	-5844,74	-161,40	8.146
47-24-S	40,21	80,42	-5858,79	-145,98	7.353
47-25-S	40,21	72,38	-5294,34	-120,23	6.045
47-26-S	40,21	56,30	-4142,28	-86,43	4.338
47-27-S	40,21	40,21	-2974,81	-57,45	2.884
47-28-S	40,21	40,21	-2978,31	-53,79	2.730
47-29-S	40,21	40,21	-2981,33	-50,62	2.591
47-30-S	40,21	40,21	-2983,87	-47,97	2.441
47-31-S	40,21	40,21	-2986,00	-45,74	2.295
47-32-S	40,21	40,21	-2987,85	-43,80	2.165
47-33-S	40,21	40,21	-2989,52	-42,05	2.048
47-34-S	40,21	40,21	-2990,79	-40,72	1.966
47-35-S	40,21	40,21	-2991,67	-39,80	1.932
47-36-S	40,21	40,21	-2992,43	-39,01	1.916
47-37-S	40,21	40,21	-2993,23	-38,16	1.898
47-38-S	40,21	40,21	-2994,32	-37,02	1.867
47-39-S	40,21	40,21	-2995,59	-35,69	1.836
47-40-S	40,21	40,21	-2996,17	-35,09	1.872
47-41-S	40,21	40,21	-2996,98	-34,24	1.893
47-42-S	40,21	40,21	-2998,68	-32,46	1.898
47-43-S	40,21	40,21	-3000,67	-30,38	1.962
47-44-S	40,21	40,21	3012,97	-17,85	1.939
47-45-S	40,21	40,21	3013,06	-17,74	1.649
47-46-S	40,21	40,21	3013,27	-17,52	1.425
47-47-S	40,21	40,21	3472,60	-22,36	1.417
47-48-S	40,21	48,25	3475,99	-22,99	1.250
47-49-S	40,21	48,25	3934,66	-26,96	1.267
47-50-S	40,21	56,30	3938,86	-26,63	1.126
47-51-S	40,21	56,30	3939,27	-26,31	1.008
47-52-S	40,21	48,25	4395,82	-28,77	1.013
47-53-S	48,25	48,25	5267,92	-33,16	1.123
47-54-S	48,25	40,21	5261,52	-33,10	1.113
47-55-S	48,25	48,25	5267,30	-33,62	1.131
47-56-S	48,25	48,25	5265,59	-34,87	1.192
47-57-S	48,25	56,30	4719,98	-31,16	1.160
47-58-S	48,25	56,30	4719,70	-31,38	1.294
47-59-S	48,25	48,25	4713,85	-31,86	1.479
47-60-S	48,25	48,25	4202,28	9,38	1.432
47-61-S	48,25	40,21	4198,63	11,53	1.363
47-62-S	48,25	40,21	3636,22	10,08	1.123
47-63-S	48,25	40,21	3637,77	11,81	1.087
47-64-S	48,25	40,21	3639,58	13,82	1.074
47-65-S	48,25	40,21	3641,15	15,57	1.058
47-66-S	48,25	40,21	3642,47	17,05	1.043
47-67-S	48,25	40,21	3644,09	18,85	1.056
47-68-S	48,25	40,21	3645,30	20,21	1.078
47-69-S	48,25	40,21	3646,48	21,52	1.101
47-70-S	48,25	40,21	3647,47	22,62	1.131
47-71-S	48,25	40,21	3648,51	23,78	1.164
47-72-S	48,25	40,21	3649,69	25,09	1.196
47-73-S	40,21	40,21	3049,61	22,11	1.040
47-74-S	40,21	40,21	3050,66	23,27	1.109
47-75-S	40,21	40,21	3051,86	24,60	1.184
47-76-S	40,21	40,21	3053,23	26,13	1.262
47-77-S	40,21	40,21	3054,79	27,86	1.346
47-78-S	40,21	40,21	3055,56	28,71	1.430
47-79-S	40,21	40,21	3056,20	29,43	1.521
47-80-S	40,21	40,21	3057,00	30,31	1.630
47-81-S	40,21	40,21	3058,29	31,74	1.755
47-82-S	40,21	56,30	3068,09	34,66	1.911
47-83-S	40,21	72,38	3078,52	39,24	2.111
47-84-S	40,21	80,42	3085,70	44,80	2.351
47-85-S	40,21	80,42	3092,39	51,84	2.653
47-86-S	40,21	64,34	2768,21	50,09	2.699
47-87-S	40,21	48,25	2227,82	37,98	2.449
47-88-S	40,21	40,21	1798,97	26,03	2.180
47-89-S	40,21	40,21	1800,08	28,09	2.400
47-90-S	40,21	40,21	1801,37	30,49	2.660
47-91-S	40,21	40,21	1802,91	33,36	2.973
47-92-S	40,21	40,21	1804,79	36,86	3.357
47-93-S	40,21	40,21	1806,40	39,85	3.765
47-94-S	40,21	40,21	1807,32	41,57	4.155
47-95-S	40,21	40,21	1807,52	41,93	4.522
47-96-S	40,21	40,21	1806,86	40,71	4.855
47-97-S	40,21	40,21	1805,74	38,63	5.193
47-98-S	40,21	40,21	1804,45	36,23	5.585
47-99-S	40,21	40,21	1802,95	33,44	6.046
47-100-S	40,21	40,21	1801,18	30,13	6.565
47-101-S	40,21	40,21	1799,08	26,24	7.142
47-102-S	40,21	40,21	1797,09	22,53	7.721
47-103-S	40,21	40,21	1796,21	20,90	8.265
47-104-S	40,21	40,21	1795,19	18,99	8.850
47-105-S	40,21	40,21	1793,70	16,22	9.422
47-106-S	40,21	40,21	1791,98	13,03	10.067
47-107-S	24,13	24,13	1076,08	7,34	9.385
48-1-S	40,21	40,21	-1778,45	-4,56	20.175
48-2-S	40,21	40,21	-1782,01	-5,38	11.586
48-3-S	40,21	40,21	-1782,17	-5,08	10.650

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
48-4-S	40,21	40,21	-1782,31	-4,83	9.850
48-5-S	40,21	40,21	-1782,42	-4,63	9.173
48-6-S	40,21	40,21	-1782,43	-4,61	8.683
48-7-S	40,21	40,21	-1782,48	-4,52	8.391
48-8-S	40,21	40,21	-1782,66	-4,19	8.204
48-9-S	40,21	40,21	-1782,81	-3,93	8.030
48-10-S	40,21	40,21	-1782,94	-3,69	7.844
48-11-S	40,21	40,21	-1783,06	-3,47	7.655
48-12-S	40,21	40,21	-1783,18	-3,26	7.473
48-13-S	40,21	40,21	-1783,17	-3,27	7.347
48-14-S	40,21	40,21	-1756,75	-51,08	6.834
48-15-S	40,21	40,21	-1757,03	-50,57	6.233
48-16-S	40,21	40,21	-1758,39	-48,11	5.579
48-17-S	40,21	40,21	-1760,59	-44,13	4.914
48-18-S	40,21	40,21	-1763,08	-39,62	4.312
48-19-S	40,21	40,21	-1765,35	-35,52	3.869
48-20-S	40,21	40,21	-1767,33	-31,94	3.523
48-21-S	40,21	40,21	-1768,98	-28,95	3.232
48-22-S	40,21	48,25	-2325,16	-39,76	3.900
48-23-S	40,21	64,34	-3632,96	-69,46	5.526
48-24-S	40,21	72,38	-5306,75	-106,68	7.294
48-25-S	40,21	80,42	-5893,69	-107,69	7.536
48-26-S	40,21	72,38	-5323,08	-88,84	6.461
48-27-S	40,21	56,30	-4163,45	-63,51	4.807
48-28-S	40,21	48,25	-3580,87	-49,93	3.940
48-29-S	40,21	40,21	-2993,21	-38,19	3.137
48-30-S	40,21	40,21	-2995,93	-35,34	2.960
48-31-S	40,21	40,21	-2997,71	-33,48	2.832
48-32-S	40,21	40,21	-2998,52	-32,63	2.806
48-33-S	40,21	40,21	-2999,31	-31,80	2.788
48-34-S	40,21	40,21	-3000,18	-30,90	2.764
48-35-S	40,21	40,21	-3001,20	-29,82	2.726
48-36-S	40,21	40,21	-3002,29	-28,68	2.684
48-37-S	40,21	40,21	-3002,90	-28,05	2.730
48-38-S	40,21	40,21	-3003,52	-27,40	2.806
48-39-S	40,21	40,21	-3004,32	-26,55	2.870
48-40-S	40,21	40,21	3005,55	-25,76	2.768
48-41-S	40,21	40,21	3006,60	-24,65	2.438
48-42-S	40,21	40,21	3007,82	-23,34	2.118
48-43-S	40,21	40,21	3009,00	-22,07	1.837
48-44-S	40,21	40,21	3009,96	-21,05	1.617
48-45-S	40,21	40,21	3010,72	-20,25	1.445
48-46-S	40,21	40,21	3011,42	-19,50	1.299
48-47-S	40,21	40,21	3012,03	-18,84	1.189
48-48-S	40,21	40,21	3012,53	-18,31	1.102
48-49-S	40,21	40,21	3012,95	-17,86	1.032
48-50-S	48,25	40,21	3607,72	-20,86	1.167
48-51-S	48,25	40,21	3608,11	-20,45	1.117
48-52-S	48,25	40,21	3608,38	-20,15	1.080
48-53-S	48,25	40,21	3608,43	-20,10	1.076
48-54-S	48,25	40,21	3608,27	-20,27	1.109
48-55-S	48,25	40,21	3608,00	-20,56	1.160
48-56-S	40,21	40,21	3013,36	-17,42	1.017
48-57-S	40,21	40,21	3013,03	-17,78	1.086
48-58-S	40,21	40,21	3012,57	-18,27	1.178
48-59-S	40,21	40,21	3034,63	5,48	1.242
48-60-S	40,21	40,21	3035,43	6,37	1.182
48-61-S	40,21	40,21	3036,11	7,13	1.155
48-62-S	40,21	40,21	3036,71	7,79	1.147
48-63-S	40,21	40,21	3037,33	8,48	1.137
48-64-S	40,21	40,21	3037,97	9,19	1.124
48-65-S	40,21	40,21	3038,65	9,94	1.108
48-66-S	40,21	40,21	3039,31	10,68	1.113
48-67-S	40,21	40,21	3039,88	11,31	1.136
48-68-S	40,21	40,21	3040,52	12,03	1.160
48-69-S	40,21	40,21	3041,30	12,89	1.185
48-70-S	40,21	40,21	3042,12	13,79	1.209
48-71-S	40,21	40,21	3042,94	14,71	1.236
48-72-S	40,21	40,21	3043,45	15,27	1.294
48-73-S	40,21	40,21	3044,06	15,95	1.360
48-74-S	40,21	40,21	3044,82	16,80	1.432
48-75-S	40,21	40,21	3045,85	17,94	1.511
48-76-S	40,21	40,21	3046,98	19,19	1.594
48-77-S	40,21	48,25	3051,96	20,45	1.690
48-78-S	40,21	56,30	3056,86	22,31	1.793
48-79-S	40,21	72,38	3064,75	24,70	1.908
48-80-S	40,21	80,42	3069,17	27,37	2.034
48-81-S	40,21	72,38	3070,35	30,61	2.190
48-82-S	40,21	64,34	2558,88	24,92	2.018
48-83-S	40,21	48,25	2047,69	18,18	1.779
48-84-S	40,21	40,21	1793,20	15,30	1.698
48-85-S	40,21	40,21	1794,05	16,88	1.852
48-86-S	40,21	40,21	1795,05	18,73	2.033
48-87-S	40,21	40,21	1796,23	20,93	2.248
48-88-S	40,21	40,21	1797,40	23,11	2.493
48-89-S	40,21	40,21	1798,08	24,38	2.735
48-90-S	40,21	40,21	1798,19	24,58	2.960
48-91-S	40,21	40,21	1797,95	24,13	3.182
48-92-S	40,21	40,21	1797,65	23,57	3.434

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
48-93-S	40,21	40,21	1797,27	22,87	3.722
48-94-S	40,21	40,21	1796,80	21,99	4.053
48-95-S	40,21	40,21	1795,90	20,32	4.353
48-96-S	40,21	40,21	1794,37	17,47	4.583
48-97-S	40,21	40,21	1792,63	14,24	4.803
48-98-S	40,21	40,21	1790,77	10,77	5.028
48-99-S	40,21	40,21	1788,72	6,96	5.275
48-100-S	40,21	40,21	1786,95	3,67	5.570
48-101-S	40,21	40,21	1786,37	2,59	6.012
48-102-S	40,21	40,21	1785,70	1,34	6.543
48-103-S	40,21	40,21	1784,91	-0,12	7.186
48-104-S	24,13	24,13	1071,38	0,48	8.105
49-1-S	32,17	32,17	-1420,85	-7,69	17.730
49-2-S	32,17	32,17	-1424,73	-8,68	9.380
49-3-S	40,21	40,21	-1778,84	-11,10	10.715
49-4-S	40,21	40,21	-1778,77	-11,23	10.295
49-5-S	40,21	40,21	-1778,71	-11,35	9.908
49-6-S	40,21	40,21	-1778,75	-11,27	9.650
49-7-S	40,21	40,21	-1778,94	-10,92	9.500
49-8-S	40,21	40,21	-1779,16	-10,52	9.337
49-9-S	40,21	40,21	-1779,35	-10,18	9.183
49-10-S	40,21	40,21	-1773,37	-21,01	8.864
49-11-S	40,21	40,21	-1771,24	-24,85	8.364
49-12-S	40,21	40,21	-1769,61	-27,82	7.733
49-13-S	40,21	40,21	-1768,39	-30,02	7.072
49-14-S	40,21	40,21	-1767,42	-31,78	6.495
49-15-S	40,21	40,21	-1766,62	-33,22	5.999
49-16-S	40,21	40,21	-1766,13	-34,11	5.655
49-17-S	40,21	40,21	-1766,49	-33,45	5.318
49-18-S	40,21	40,21	-1767,71	-31,25	4.891
49-19-S	40,21	40,21	-1769,53	-27,96	4.419
49-20-S	40,21	40,21	-1771,21	-24,91	4.003
49-21-S	40,21	40,21	-1772,61	-22,37	3.656
49-22-S	40,21	40,21	-1773,65	-20,49	3.421
49-23-S	40,21	40,21	-2017,86	-25,42	3.788
49-24-S	40,21	56,30	-3151,14	-41,31	5.679
49-25-S	40,21	64,34	-3981,38	-52,24	6.804
49-26-S	40,21	72,38	-4906,49	-62,38	7.871
49-27-S	40,21	80,42	-5927,14	-70,99	8.858
49-28-S	40,21	72,38	-5352,77	-56,40	7.539
49-29-S	40,21	56,30	-4186,38	-38,68	5.739
49-30-S	40,21	48,25	-3600,53	-28,73	4.803
49-31-S	40,21	40,21	-3009,65	-20,98	3.907
49-32-S	40,21	40,21	-3011,76	-18,77	3.807
49-33-S	40,21	40,21	-3012,89	-17,59	3.762
49-34-S	40,21	40,21	-3013,00	-17,47	3.852
49-35-S	40,21	40,21	-3012,92	-17,56	3.973
49-36-S	40,21	40,21	-3012,92	-17,55	4.080
49-37-S	40,21	40,21	2994,09	-37,99	3.542
49-38-S	40,21	40,21	2996,80	-35,10	3.069
49-39-S	40,21	40,21	2999,01	-32,74	2.682
49-40-S	40,21	40,21	3000,82	-30,81	2.374
49-41-S	40,21	40,21	3002,22	-29,32	2.138
49-42-S	40,21	40,21	3003,37	-28,09	1.944
49-43-S	40,21	40,21	3004,35	-27,04	1.781
49-44-S	40,21	40,21	3005,34	-25,99	1.629
49-45-S	40,21	40,21	3006,12	-25,15	1.519
49-46-S	40,21	40,21	3006,75	-24,48	1.436
49-47-S	40,21	40,21	3007,33	-23,86	1.361
49-48-S	40,21	40,21	3007,84	-23,32	1.296
49-49-S	40,21	40,21	3008,22	-22,91	1.248
49-50-S	40,21	40,21	3008,31	-22,81	1.236
49-51-S	40,21	40,21	3008,36	-22,77	1.232
49-52-S	40,21	40,21	3008,40	-22,72	1.230
49-53-S	40,21	40,21	3008,42	-22,70	1.233
49-54-S	40,21	40,21	3008,19	-22,94	1.269
49-55-S	40,21	40,21	3007,67	-23,50	1.342
49-56-S	40,21	40,21	3007,01	-24,21	1.436
49-57-S	40,21	40,21	3031,76	2,30	1.521
49-58-S	40,21	40,21	3032,06	2,63	1.472
49-59-S	40,21	40,21	3032,18	2,77	1.452
49-60-S	40,21	40,21	3032,44	3,05	1.436
49-61-S	40,21	40,21	3032,85	3,51	1.418
49-62-S	40,21	40,21	3033,40	4,13	1.398
49-63-S	40,21	40,21	3034,10	4,90	1.375
49-64-S	40,21	40,21	3034,58	5,43	1.377
49-65-S	40,21	40,21	3034,89	5,77	1.402
49-66-S	40,21	40,21	3035,26	6,19	1.425
49-67-S	40,21	40,21	3035,68	6,65	1.446
49-68-S	40,21	40,21	3036,19	7,22	1.466
49-69-S	40,21	40,21	3036,88	7,98	1.486
49-70-S	40,21	40,21	3037,55	8,73	1.541
49-71-S	40,21	40,21	3038,39	9,66	1.602
49-72-S	40,21	48,25	3043,31	10,90	1.664
49-73-S	40,21	56,30	3047,72	12,27	1.732
49-74-S	40,21	72,38	3054,44	13,81	1.807
49-75-S	40,21	80,42	3057,92	15,52	1.898
49-76-S	40,21	72,38	2804,06	14,94	1.850
49-77-S	40,21	64,34	2550,46	13,94	1.786

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
49-78-S	40,21	56,30	2296,78	12,53	1.705
49-79-S	40,21	40,21	2040,41	10,76	1.601
49-80-S	40,21	40,21	1789,69	8,76	1.480
49-81-S	40,21	40,21	1790,07	9,48	1.571
49-82-S	40,21	40,21	1790,59	10,44	1.702
49-83-S	40,21	40,21	1791,22	11,62	1.862
49-84-S	40,21	40,21	1791,95	12,97	2.051
49-85-S	40,21	40,21	1792,48	13,96	2.240
49-86-S	40,21	40,21	1792,68	14,32	2.414
49-87-S	40,21	40,21	1792,60	14,17	2.578
49-88-S	40,21	40,21	1792,49	13,98	2.763
49-89-S	40,21	40,21	1792,21	13,46	2.971
49-90-S	40,21	40,21	1791,68	12,47	3.209
49-91-S	40,21	40,21	1790,89	10,99	3.454
49-92-S	40,21	40,21	1789,93	9,22	3.675
49-93-S	40,21	40,21	1788,85	7,20	3.871
49-94-S	40,21	40,21	1787,64	4,95	4.079
49-95-S	40,21	40,21	1786,25	2,37	4.302
49-96-S	40,21	40,21	1784,69	-0,51	4.487
49-97-S	40,21	40,21	1783,37	-2,90	4.660
49-98-S	40,21	40,21	1782,47	-4,51	4.848
49-99-S	40,21	40,21	1781,63	-6,02	5.054
49-100-S	32,17	32,17	1426,20	-5,98	4.461
49-101-S	16,08	16,08	713,58	-2,95	4.462
50-1-S	32,17	32,17	-1415,89	-14,90	24.448
50-2-S	32,17	32,17	-1418,90	-16,85	12.496
50-3-S	40,21	40,21	-1772,60	-22,40	12.748
50-4-S	40,21	40,21	-1772,39	-22,78	12.485
50-5-S	40,21	40,21	-1772,23	-23,06	12.204
50-6-S	40,21	40,21	-1772,26	-23,02	11.907
50-7-S	40,21	40,21	-1772,52	-22,54	11.509
50-8-S	40,21	40,21	-1773,15	-21,40	10.879
50-9-S	40,21	40,21	-1773,78	-20,27	10.281
50-10-S	40,21	40,21	-1774,35	-19,22	9.731
50-11-S	40,21	40,21	-1774,84	-18,34	9.247
50-12-S	40,21	40,21	-1775,00	-18,06	8.943
50-13-S	40,21	40,21	-1775,71	-16,78	8.647
50-14-S	40,21	40,21	-1774,72	-18,57	8.087
50-15-S	40,21	40,21	-1773,87	-20,10	7.575
50-16-S	40,21	40,21	-1773,15	-21,41	7.105
50-17-S	40,21	40,21	-1772,66	-22,28	6.648
50-18-S	40,21	40,21	-1773,10	-21,49	6.058
50-19-S	40,21	40,21	-1774,26	-19,40	5.443
50-20-S	40,21	40,21	-1775,16	-17,77	5.189
50-21-S	40,21	40,21	-1776,03	-16,20	4.937
50-22-S	40,21	40,21	-1776,84	-14,73	4.690
50-23-S	40,21	40,21	-1777,53	-13,47	4.462
50-24-S	40,21	40,21	-1778,16	-12,33	4.248
50-25-S	40,21	48,25	-2423,15	-17,86	5.499
50-26-S	40,21	48,25	-2718,34	-20,10	6.044
50-27-S	40,21	56,30	-3507,80	-25,13	7.612
50-28-S	40,21	64,34	2492,43	-59,80	8.086
50-29-S	40,21	72,38	2731,27	-68,31	7.933
50-30-S	40,21	72,38	2969,18	-74,89	7.543
50-31-S	40,21	64,34	2976,12	-66,00	6.285
50-32-S	40,21	56,30	2982,55	-57,30	5.147
50-33-S	40,21	48,25	2985,02	-51,51	4.384
50-34-S	40,21	40,21	2985,14	-47,55	3.848
50-35-S	40,21	40,21	2987,73	-44,78	3.460
50-36-S	40,21	40,21	2989,60	-42,78	3.166
50-37-S	40,21	40,21	2991,36	-40,91	2.903
50-38-S	40,21	40,21	2993,12	-39,03	2.656
50-39-S	40,21	40,21	2994,72	-37,32	2.439
50-40-S	40,21	40,21	2996,12	-35,83	2.253
50-41-S	40,21	40,21	2997,42	-34,44	2.085
50-42-S	40,21	40,21	2998,58	-33,20	1.938
50-43-S	40,21	40,21	2999,41	-32,31	1.838
50-44-S	40,21	40,21	2999,99	-31,70	1.768
50-45-S	40,21	40,21	3000,51	-31,14	1.706
50-46-S	40,21	40,21	3000,94	-30,68	1.653
50-47-S	40,21	40,21	3001,28	-30,32	1.609
50-48-S	40,21	40,21	3001,24	-30,36	1.611
50-49-S	40,21	40,21	3001,03	-30,59	1.635
50-50-S	40,21	40,21	3000,80	-30,83	1.660
50-51-S	40,21	40,21	3000,66	-30,98	1.682
50-52-S	40,21	40,21	3000,56	-31,08	1.701
50-53-S	40,21	40,21	3000,34	-31,32	1.738
50-54-S	40,21	40,21	2999,52	-32,20	1.834
50-55-S	40,21	40,21	3029,59	-0,10	1.830
50-56-S	40,21	40,21	3029,73	0,05	1.805
50-57-S	40,21	40,21	3029,86	0,19	1.778
50-58-S	40,21	40,21	3030,01	0,36	1.747
50-59-S	40,21	40,21	3030,16	0,52	1.716
50-60-S	40,21	40,21	3030,30	0,68	1.686
50-61-S	40,21	40,21	3030,62	1,04	1.695
50-62-S	40,21	40,21	3031,07	1,54	1.714
50-63-S	40,21	40,21	3031,62	2,15	1.732
50-64-S	40,21	48,25	3036,04	2,87	1.751
50-65-S	40,21	56,30	3039,93	3,70	1.769

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
50-66-S	40,21	64,34	3043,37	4,60	1.785
50-67-S	40,21	72,38	3046,59	5,52	1.843
50-68-S	40,21	72,38	2796,20	5,62	1.757
50-69-S	40,21	64,34	2543,96	5,45	1.659
50-70-S	40,21	56,30	2542,32	6,18	1.717
50-71-S	40,21	48,25	2289,61	5,65	1.600
50-72-S	40,21	48,25	2039,58	4,96	1.472
50-73-S	40,21	40,21	1787,16	4,07	1.352
50-74-S	40,21	40,21	1787,34	4,39	1.422
50-75-S	40,21	40,21	1787,53	4,75	1.499
50-76-S	40,21	40,21	1787,75	5,16	1.585
50-77-S	40,21	40,21	1787,99	5,61	1.680
50-78-S	40,21	40,21	1788,20	6,00	1.778
50-79-S	40,21	40,21	1788,38	6,33	1.879
50-80-S	40,21	40,21	1788,48	6,52	2.000
50-81-S	40,21	40,21	1788,30	6,18	2.114
50-82-S	40,21	40,21	1788,01	5,65	2.237
50-83-S	40,21	40,21	1787,71	5,08	2.383
50-84-S	40,21	40,21	1787,36	4,43	2.548
50-85-S	40,21	40,21	1786,96	3,68	2.736
50-86-S	40,21	40,21	1786,50	2,84	2.951
50-87-S	40,21	40,21	1785,89	1,69	3.156
50-88-S	40,21	40,21	1785,01	0,05	3.301
50-89-S	40,21	40,21	1783,95	-1,85	3.458
50-90-S	40,21	40,21	1782,75	-4,02	3.632
50-91-S	40,21	40,21	1781,54	-6,19	3.820
50-92-S	40,21	40,21	1780,63	-7,81	3.993
50-93-S	40,21	40,21	1780,05	-8,86	4.158
50-94-S	40,21	40,21	1779,42	-10,00	4.335
50-95-S	32,17	32,17	1423,40	-8,65	4.417
50-96-S	16,08	16,08	711,70	-4,43	4.608
51-1-S	24,13	24,13	-1056,78	-20,85	27.825
51-2-S	24,13	24,13	-1059,05	-22,94	14.152
51-3-S	40,21	40,21	-1782,37	-4,45	15.910
51-4-S	40,21	40,21	-1762,79	-40,15	14.966
51-5-S	40,21	40,21	-1763,36	-39,12	14.070
51-6-S	40,21	40,21	-1764,06	-37,85	13.228
51-7-S	40,21	40,21	-1764,96	-36,22	12.435
51-8-S	40,21	40,21	-1765,40	-35,42	11.898
51-9-S	40,21	40,21	-1786,21	2,30	11.504
51-10-S	40,21	40,21	-1786,90	3,61	10.975
51-11-S	40,21	40,21	-1787,60	4,92	10.295
51-12-S	40,21	40,21	-1788,27	6,17	9.494
51-13-S	40,21	40,21	-1788,83	7,23	8.795
51-14-S	40,21	40,21	-1789,23	7,99	8.287
51-15-S	40,21	40,21	-1789,50	8,48	7.937
51-16-S	40,21	40,21	-1789,65	8,77	7.709
51-17-S	40,21	40,21	-1789,78	9,02	7.516
51-18-S	40,21	40,21	-1789,91	9,25	7.341
51-19-S	40,21	40,21	-1789,94	9,32	7.124
51-20-S	40,21	40,21	-1789,90	9,24	6.876
51-21-S	40,21	40,21	-1789,80	9,05	6.609
51-22-S	40,21	40,21	-1789,62	8,72	6.321
51-23-S	40,21	40,21	-1789,39	8,28	6.029
51-24-S	40,21	40,21	1767,64	-31,18	5.574
51-25-S	40,21	40,21	1768,60	-29,47	4.974
51-26-S	40,21	40,21	1769,40	-28,03	4.484
51-27-S	40,21	40,21	1770,07	-26,81	4.077
51-28-S	40,21	40,21	2012,95	-33,04	4.245
51-29-S	40,21	48,25	2016,52	-31,54	3.868
51-30-S	40,21	48,25	2259,47	-36,93	3.874
51-31-S	40,21	56,30	2263,46	-34,60	3.473
51-32-S	40,21	56,30	2506,17	-39,80	3.463
51-33-S	40,21	56,30	2507,84	-37,69	3.150
51-34-S	40,21	56,30	2749,71	-43,13	3.162
51-35-S	40,21	56,30	2751,41	-41,17	2.906
51-36-S	40,21	56,30	2992,77	-46,45	2.907
51-37-S	40,21	48,25	2991,51	-44,60	2.708
51-38-S	40,21	56,30	2995,80	-43,24	2.558
51-39-S	40,21	48,25	2993,87	-42,10	2.436
51-40-S	40,21	48,25	2994,73	-41,19	2.338
51-41-S	40,21	48,25	2995,44	-40,42	2.253
51-42-S	40,21	40,21	2992,22	-39,99	2.191
51-43-S	40,21	40,21	2992,41	-39,79	2.145
51-44-S	40,21	40,21	2992,56	-39,63	2.108
51-45-S	40,21	40,21	2992,68	-39,50	2.085
51-46-S	40,21	40,21	2992,63	-39,55	2.087
51-47-S	40,21	40,21	2992,63	-39,55	2.099
51-48-S	40,21	40,21	2992,68	-39,50	2.115
51-49-S	40,21	40,21	2992,76	-39,41	2.136
51-50-S	40,21	40,21	2992,84	-39,33	2.160
51-51-S	40,21	48,25	3032,32	-1,19	2.224
51-52-S	40,21	48,25	3032,25	-1,27	2.195
51-53-S	40,21	48,25	3032,18	-1,34	2.166
51-54-S	40,21	56,30	3035,28	-1,37	2.137
51-55-S	40,21	48,25	3032,21	-1,31	2.099
51-56-S	40,21	56,30	3035,44	-1,19	2.063
51-57-S	40,21	56,30	2786,39	-0,79	1.858
51-58-S	40,21	56,30	2786,65	-0,49	1.875

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
51-59-S	40,21	56,30	2537,50	-0,12	1.729
51-60-S	40,21	56,30	2537,70	0,13	1.749
51-61-S	40,21	56,30	2288,34	0,31	1.595
51-62-S	40,21	48,25	2286,07	0,50	1.609
51-63-S	40,21	48,25	2036,84	0,51	1.446
51-64-S	40,21	40,21	2034,30	0,76	1.474
51-65-S	40,21	40,21	1785,37	0,72	1.333
51-66-S	40,21	40,21	1785,49	0,94	1.375
51-67-S	40,21	40,21	1785,61	1,18	1.419
51-68-S	40,21	40,21	1785,75	1,44	1.466
51-69-S	40,21	40,21	1785,88	1,68	1.512
51-70-S	40,21	40,21	1785,98	1,87	1.562
51-71-S	40,21	40,21	1785,98	1,86	1.639
51-72-S	40,21	40,21	1785,94	1,78	1.718
51-73-S	40,21	40,21	1785,85	1,61	1.796
51-74-S	40,21	40,21	1785,71	1,36	1.875
51-75-S	40,21	40,21	1785,54	1,05	1.957
51-76-S	40,21	40,21	1785,36	0,71	2.044
51-77-S	40,21	40,21	1785,07	0,18	2.134
51-78-S	40,21	40,21	1784,63	-0,62	2.226
51-79-S	40,21	40,21	1784,15	-1,50	2.325
51-80-S	40,21	40,21	1783,62	-2,44	2.432
51-81-S	40,21	40,21	1783,06	-3,45	2.548
51-82-S	40,21	40,21	1782,44	-4,57	2.686
51-83-S	40,21	40,21	1781,80	-5,71	2.849
51-84-S	40,21	40,21	1781,17	-6,85	2.999
51-85-S	40,21	40,21	1780,51	-8,05	3.126
51-86-S	40,21	40,21	1779,88	-9,16	3.265
51-87-S	40,21	40,21	1779,31	-10,19	3.420
51-88-S	40,21	40,21	1778,70	-11,30	3.590
51-89-S	40,21	40,21	1777,92	-12,43	3.818
51-90-S	24,13	24,13	1067,44	-7,72	3.505
51-91-S	8,04	8,04	356,77	-2,66	2.447
52-1-S	16,08	16,08	-710,70	-3,58	23.579
52-2-S	16,08	16,08	-713,43	-3,67	11.525
52-3-S	32,17	32,17	-1424,11	-7,48	14.923
52-4-S	40,21	40,21	-1780,00	-9,01	14.757
52-5-S	40,21	40,21	-1780,60	-7,92	13.920
52-6-S	40,21	40,21	-1781,06	-7,09	13.183
52-7-S	40,21	40,21	-1781,46	-6,36	12.517
52-8-S	40,21	40,21	-1781,85	-5,66	11.923
52-9-S	40,21	40,21	-1782,05	-5,29	11.325
52-10-S	40,21	40,21	-1782,21	-5,01	10.866
52-11-S	40,21	40,21	-1782,57	-4,36	10.538
52-12-S	40,21	40,21	-1782,95	-3,66	10.232
52-13-S	40,21	40,21	-1783,33	-2,98	9.912
52-14-S	40,21	40,21	-1783,69	-2,33	9.607
52-15-S	40,21	40,21	1757,42	-49,57	9.167
52-16-S	40,21	40,21	1759,68	-45,51	8.150
52-17-S	40,21	40,21	1761,54	-42,17	7.313
52-18-S	40,21	40,21	1763,07	-39,42	6.630
52-19-S	40,21	40,21	1764,30	-37,21	6.076
52-20-S	40,21	40,21	1765,30	-35,39	5.617
52-21-S	40,21	40,21	1766,21	-33,76	5.204
52-22-S	40,21	40,21	1767,20	-31,97	4.746
52-23-S	40,21	40,21	1768,11	-30,35	4.334
52-24-S	40,21	40,21	1768,91	-28,91	3.973
52-25-S	40,21	40,21	1769,62	-27,63	3.657
52-26-S	40,21	40,21	1770,25	-26,50	3.379
52-27-S	40,21	40,21	1770,83	-25,44	3.127
52-28-S	40,21	40,21	1771,50	-24,25	2.872
52-29-S	40,21	40,21	1772,07	-23,23	2.658
52-30-S	40,21	40,21	1772,56	-22,34	2.475
52-31-S	40,21	40,21	1772,96	-21,61	2.324
52-32-S	40,21	40,21	1773,31	-21,00	2.198
52-33-S	40,21	40,21	1773,63	-20,41	2.083
52-34-S	40,21	40,21	1773,96	-19,82	1.980
52-35-S	40,21	40,21	1774,28	-19,25	1.887
52-36-S	40,21	40,21	1774,57	-18,72	1.801
52-37-S	40,21	40,21	2019,00	-23,48	1.959
52-38-S	40,21	40,21	2019,34	-22,93	1.881
52-39-S	40,21	48,25	2022,18	-22,62	1.831
52-40-S	40,21	48,25	2022,25	-22,50	1.808
52-41-S	40,21	48,25	2022,27	-22,47	1.802
52-42-S	40,21	48,25	2022,25	-22,50	1.803
52-43-S	40,21	40,21	2019,60	-22,52	1.805
52-44-S	40,21	48,25	2022,19	-22,60	1.811
52-45-S	40,21	48,25	2022,16	-22,64	1.816
52-46-S	40,21	48,25	2022,11	-22,73	1.826
52-47-S	40,21	48,25	2036,00	-0,84	1.797
52-48-S	40,21	40,21	2033,21	-1,00	1.773
52-49-S	40,21	40,21	2033,13	-1,11	1.749
52-50-S	40,21	40,21	1784,44	-0,96	1.510
52-51-S	40,21	40,21	1784,42	-1,01	1.483
52-52-S	40,21	40,21	1784,39	-1,06	1.455
52-53-S	40,21	40,21	1784,37	-1,10	1.428
52-54-S	40,21	40,21	1784,35	-1,12	1.431
52-55-S	40,21	40,21	1784,35	-1,14	1.449
52-56-S	40,21	40,21	1784,34	-1,15	1.467

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
52-57-S	40,21	40,21	1784,34	-1,14	1.484
52-58-S	40,21	40,21	1784,35	-1,14	1.501
52-59-S	40,21	40,21	1784,34	-1,15	1.515
52-60-S	40,21	40,21	1784,33	-1,16	1.528
52-61-S	40,21	40,21	1784,31	-1,19	1.566
52-62-S	40,21	40,21	1784,28	-1,25	1.610
52-63-S	40,21	40,21	1784,23	-1,35	1.653
52-64-S	40,21	40,21	1784,16	-1,47	1.696
52-65-S	40,21	40,21	1784,07	-1,64	1.736
52-66-S	40,21	40,21	1783,97	-1,81	1.776
52-67-S	40,21	40,21	1783,86	-2,01	1.819
52-68-S	40,21	40,21	1783,54	-2,58	1.889
52-69-S	40,21	40,21	1783,20	-3,19	1.963
52-70-S	40,21	40,21	1782,85	-3,83	2.038
52-71-S	40,21	40,21	1782,47	-4,51	2.112
52-72-S	40,21	40,21	1782,09	-5,20	2.185
52-73-S	40,21	40,21	1781,70	-5,90	2.258
52-74-S	40,21	40,21	1781,22	-6,75	2.318
52-75-S	40,21	40,21	1780,71	-7,68	2.379
52-76-S	40,21	40,21	1780,18	-8,64	2.447
52-77-S	40,21	40,21	1779,61	-9,66	2.522
52-78-S	40,21	40,21	1779,07	-10,63	2.612
52-79-S	40,21	40,21	1778,61	-11,46	2.732
52-80-S	40,21	40,21	1778,24	-12,12	2.872
52-81-S	40,21	40,21	1777,84	-12,84	3.028
52-82-S	40,21	40,21	1777,37	-13,69	3.189
52-83-S	32,17	32,17	1421,93	-11,35	3.229
52-84-S	16,08	16,08	712,24	-5,78	2.522
52-85-S	8,04	8,04	356,09	-2,94	2.623
53-1-S	16,08	16,08	-708,69	-6,36	28.381
53-2-S	16,08	16,08	-710,75	-6,77	13.773
53-3-S	24,13	24,13	-1065,83	-10,70	13.310
53-4-S	32,17	32,17	-1420,61	-14,90	13.035
53-5-S	40,21	40,21	-1774,15	-19,60	13.801
53-6-S	40,21	40,21	-1774,11	-19,67	13.094
53-7-S	40,21	40,21	-1774,07	-19,74	12.462
53-8-S	40,21	40,21	-1774,20	-19,51	11.939
53-9-S	40,21	40,21	1747,76	-66,95	10.903
53-10-S	40,21	40,21	1751,15	-60,85	9.640
53-11-S	40,21	40,21	1754,12	-55,51	8.568
53-12-S	40,21	40,21	1756,71	-50,85	7.663
53-13-S	40,21	40,21	1758,48	-47,67	7.002
53-14-S	40,21	40,21	1759,91	-45,10	6.455
53-15-S	40,21	40,21	1761,20	-42,78	5.971
53-16-S	40,21	40,21	1762,34	-40,73	5.549
53-17-S	40,21	40,21	1763,33	-38,95	5.183
53-18-S	40,21	40,21	1764,25	-37,28	4.847
53-19-S	40,21	40,21	1765,36	-35,29	4.456
53-20-S	40,21	40,21	1766,32	-33,57	4.123
53-21-S	40,21	40,21	1767,14	-32,09	3.840
53-22-S	40,21	40,21	1767,84	-30,83	3.598
53-23-S	40,21	40,21	1768,44	-29,76	3.393
53-24-S	40,21	40,21	1768,98	-28,77	3.207
53-25-S	40,21	40,21	1769,45	-27,93	3.048
53-26-S	40,21	40,21	1769,88	-27,16	2.908
53-27-S	40,21	40,21	1770,29	-26,42	2.775
53-28-S	40,21	40,21	1770,72	-25,65	2.641
53-29-S	40,21	40,21	1771,12	-24,92	2.516
53-30-S	40,21	40,21	1771,51	-24,22	2.396
53-31-S	40,21	40,21	1771,87	-23,59	2.287
53-32-S	40,21	40,21	1772,20	-22,98	2.189
53-33-S	40,21	40,21	1772,42	-22,60	2.128
53-34-S	40,21	40,21	1772,52	-22,40	2.095
53-35-S	40,21	40,21	1772,61	-22,25	2.067
53-36-S	40,21	40,21	1772,70	-22,08	2.039
53-37-S	40,21	40,21	1772,79	-21,92	2.011
53-38-S	40,21	40,21	1772,88	-21,76	1.984
53-39-S	40,21	40,21	1785,03	0,11	1.957
53-40-S	40,21	40,21	1784,90	-0,14	1.900
53-41-S	40,21	40,21	1784,74	-0,42	1.856
53-42-S	40,21	40,21	1784,60	-0,67	1.833
53-43-S	40,21	40,21	1784,48	-0,90	1.814
53-44-S	40,21	40,21	1784,35	-1,13	1.794
53-45-S	40,21	40,21	1784,23	-1,35	1.775
53-46-S	40,21	40,21	1784,11	-1,56	1.755
53-47-S	40,21	40,21	1783,99	-1,77	1.735
53-48-S	40,21	40,21	1783,89	-1,96	1.714
53-49-S	40,21	40,21	1783,78	-2,15	1.694
53-50-S	40,21	40,21	1783,67	-2,35	1.704
53-51-S	40,21	40,21	1783,55	-2,56	1.725
53-52-S	40,21	40,21	1783,43	-2,79	1.743
53-53-S	40,21	40,21	1783,29	-3,03	1.759
53-54-S	40,21	40,21	1783,15	-3,30	1.772
53-55-S	40,21	40,21	1783,01	-3,54	1.784
53-56-S	40,21	40,21	1782,87	-3,78	1.795
53-57-S	40,21	40,21	1782,71	-4,08	1.815
53-58-S	40,21	40,21	1782,48	-4,50	1.861
53-59-S	40,21	40,21	1782,23	-4,94	1.906
53-60-S	40,21	40,21	1781,98	-5,39	1.951

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
53-61-S	40,21	40,21	1781,72	-5,86	1.994
53-62-S	40,21	40,21	1781,46	-6,34	2.036
53-63-S	40,21	40,21	1781,20	-6,80	2.076
53-64-S	40,21	40,21	1780,87	-7,39	2.123
53-65-S	40,21	40,21	1780,46	-8,13	2.181
53-66-S	40,21	40,21	1780,02	-8,91	2.243
53-67-S	40,21	40,21	1779,56	-9,75	2.308
53-68-S	40,21	40,21	1779,07	-10,63	2.378
53-69-S	40,21	40,21	1778,59	-11,50	2.448
53-70-S	40,21	40,21	1778,14	-12,30	2.519
53-71-S	40,21	40,21	1777,74	-13,03	2.567
53-72-S	40,21	40,21	1777,38	-13,67	2.610
53-73-S	40,21	40,21	1777,07	-14,23	2.651
53-74-S	40,21	40,21	1776,79	-14,73	2.691
53-75-S	32,17	32,17	1422,15	-12,05	2.472
53-76-S	24,13	24,13	1066,58	-9,29	2.537
53-77-S	16,08	16,08	710,95	-6,38	2.657
53-78-S	8,04	8,04	355,42	-3,29	2.787
54-1-S	8,04	8,04	348,55	-14,88	13.605
54-2-S	8,04	8,04	350,43	-14,44	6.312
54-3-S	16,08	16,08	699,94	-27,85	7.775
54-4-S	24,13	24,13	1050,28	-39,30	8.101
54-5-S	32,17	32,17	1401,61	-48,58	8.001
54-6-S	40,21	40,21	1753,24	-57,10	7.845
54-7-S	40,21	40,21	1754,94	-54,04	7.232
54-8-S	40,21	40,21	1756,40	-51,41	6.710
54-9-S	40,21	40,21	1756,69	-50,88	6.473
54-10-S	40,21	40,21	1757,05	-50,24	6.239
54-11-S	40,21	40,21	1757,62	-49,22	5.977
54-12-S	40,21	40,21	1758,38	-47,85	5.691
54-13-S	40,21	40,21	1759,62	-45,62	5.310
54-14-S	40,21	40,21	1761,10	-42,95	4.889
54-15-S	40,21	40,21	1762,40	-40,62	4.524
54-16-S	40,21	40,21	1763,46	-38,71	4.224
54-17-S	40,21	40,21	1764,35	-37,11	3.973
54-18-S	40,21	40,21	1765,15	-35,68	3.749
54-19-S	40,21	40,21	1765,82	-34,47	3.559
54-20-S	40,21	40,21	1766,37	-33,47	3.399
54-21-S	40,21	40,21	1789,92	9,20	3.252
54-22-S	40,21	40,21	1789,36	8,15	3.118
54-23-S	40,21	40,21	1788,84	7,19	2.994
54-24-S	40,21	40,21	1788,36	6,29	2.880
54-25-S	40,21	40,21	1787,92	5,47	2.770
54-26-S	40,21	40,21	1787,51	4,70	2.669
54-27-S	40,21	40,21	1787,12	3,99	2.574
54-28-S	40,21	40,21	1786,78	3,35	2.516
54-29-S	40,21	40,21	1786,45	2,74	2.466
54-30-S	40,21	40,21	1786,14	2,17	2.414
54-31-S	40,21	40,21	1785,87	1,66	2.356
54-32-S	40,21	40,21	1785,63	1,22	2.293
54-33-S	40,21	40,21	1785,43	0,84	2.226
54-34-S	40,21	40,21	1785,24	0,48	2.162
54-35-S	40,21	40,21	1784,99	0,03	2.117
54-36-S	40,21	40,21	1784,72	-0,47	2.081
54-37-S	40,21	40,21	1784,45	-0,95	2.047
54-38-S	40,21	40,21	1784,20	-1,40	2.014
54-39-S	40,21	40,21	1783,99	-1,77	1.984
54-40-S	40,21	40,21	1783,83	-2,07	1.957
54-41-S	40,21	40,21	1783,66	-2,37	1.940
54-42-S	40,21	40,21	1783,47	-2,72	1.929
54-43-S	40,21	40,21	1783,24	-3,13	1.926
54-44-S	40,21	40,21	1783,00	-3,56	1.925
54-45-S	40,21	40,21	1782,76	-4,00	1.924
54-46-S	40,21	40,21	1782,52	-4,43	1.928
54-47-S	40,21	40,21	1782,28	-4,85	1.950
54-48-S	40,21	40,21	1782,05	-5,27	1.977
54-49-S	40,21	40,21	1781,80	-5,72	2.004
54-50-S	40,21	40,21	1781,53	-6,21	2.033
54-51-S	40,21	40,21	1781,23	-6,75	2.063
54-52-S	40,21	40,21	1780,90	-7,33	2.095
54-53-S	40,21	40,21	1780,56	-7,95	2.127
54-54-S	40,21	40,21	1780,21	-8,57	2.154
54-55-S	40,21	40,21	1779,87	-9,19	2.184
54-56-S	40,21	40,21	1779,52	-9,82	2.214
54-57-S	40,21	40,21	1779,20	-10,39	2.242
54-58-S	40,21	40,21	1778,88	-10,97	2.275
54-59-S	40,21	40,21	1778,51	-11,63	2.316
54-60-S	40,21	40,21	1778,13	-12,32	2.360
54-61-S	40,21	40,21	1777,77	-12,98	2.404
54-62-S	40,21	40,21	1777,38	-13,67	2.452
54-63-S	40,21	40,21	1776,98	-14,39	2.519
54-64-S	40,21	40,21	1776,62	-15,03	2.586
54-65-S	32,17	32,17	1421,74	-12,39	2.452
54-66-S	24,13	24,13	1066,83	-9,56	2.271
54-67-S	16,08	16,08	711,83	-6,50	2.000
54-68-S	8,04	8,04	356,65	-3,30	1.518
54-69-S	8,04	8,04	354,97	-3,33	3.050
55-1-S	16,08	8,04	691,29	-21,83	18.782
55-2-S	8,04	8,04	352,01	-10,61	4.429

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
55-3-S	16,08	16,08	722,02	14,47	5.809
55-4-S	16,08	16,08	722,62	13,48	4.322
55-5-S	24,13	24,13	1081,73	18,87	5.083
55-6-S	32,17	32,17	1440,38	23,54	5.508
55-7-S	32,17	32,17	1440,67	21,85	4.550
55-8-S	40,21	40,21	1798,16	24,69	4.765
55-9-S	40,21	40,21	1796,97	22,30	4.420
55-10-S	40,21	40,21	1795,80	20,14	4.149
55-11-S	40,21	40,21	1794,72	18,12	3.900
55-12-S	40,21	40,21	1793,70	16,23	3.672
55-13-S	40,21	40,21	1792,76	14,48	3.467
55-14-S	40,21	40,21	1791,92	12,91	3.283
55-15-S	40,21	40,21	1791,15	11,49	3.126
55-16-S	40,21	40,21	1790,52	10,32	3.031
55-17-S	40,21	40,21	1789,94	9,23	2.951
55-18-S	40,21	40,21	1789,39	8,20	2.874
55-19-S	40,21	40,21	1788,86	7,22	2.802
55-20-S	40,21	40,21	1788,37	6,30	2.727
55-21-S	40,21	40,21	1787,91	5,45	2.652
55-22-S	40,21	40,21	1787,50	4,69	2.606
55-23-S	40,21	40,21	1787,11	3,98	2.566
55-24-S	40,21	40,21	1786,73	3,26	2.526
55-25-S	40,21	40,21	1786,36	2,57	2.487
55-26-S	40,21	40,21	1785,99	1,89	2.447
55-27-S	40,21	40,21	1785,63	1,22	2.408
55-28-S	40,21	40,21	1785,26	0,53	2.364
55-29-S	40,21	40,21	1784,91	-0,11	2.321
55-30-S	40,21	40,21	1784,58	-0,71	2.277
55-31-S	40,21	40,21	1784,28	-1,26	2.234
55-32-S	40,21	40,21	1783,99	-1,78	2.195
55-33-S	40,21	40,21	1783,69	-2,32	2.162
55-34-S	40,21	40,21	1783,37	-2,90	2.135
55-35-S	40,21	40,21	1783,05	-3,46	2.115
55-36-S	40,21	40,21	1782,75	-4,02	2.111
55-37-S	40,21	40,21	1782,44	-4,57	2.120
55-38-S	40,21	40,21	1782,13	-5,12	2.132
55-39-S	40,21	40,21	1781,82	-5,67	2.145
55-40-S	40,21	40,21	1781,52	-6,22	2.158
55-41-S	40,21	40,21	1781,20	-6,79	2.174
55-42-S	40,21	40,21	1780,87	-7,40	2.200
55-43-S	40,21	40,21	1780,49	-8,07	2.232
55-44-S	40,21	40,21	1780,09	-8,79	2.272
55-45-S	40,21	40,21	1779,68	-9,54	2.315
55-46-S	40,21	40,21	1779,24	-10,32	2.359
55-47-S	40,21	40,21	1778,83	-11,07	2.396
55-48-S	40,21	40,21	1778,46	-11,73	2.421
55-49-S	40,21	40,21	1778,13	-12,33	2.441
55-50-S	40,21	40,21	1777,74	-12,86	2.476
55-51-S	32,17	32,17	1423,03	-10,61	2.203
55-52-S	32,17	32,17	1421,64	-10,96	2.551
55-53-S	24,13	24,13	1066,87	-8,49	2.271
55-54-S	16,08	16,08	712,13	-5,85	1.857
55-55-S	16,08	16,08	710,90	-6,02	2.386
55-56-S	8,04	8,04	356,19	-3,11	1.735
55-57-S	16,08	8,04	699,39	-6,30	6.962
56-1-S	8,04	8,04	358,29	4,36	9.492
56-2-S	8,04	8,04	358,86	3,94	4.451
56-3-S	8,04	8,04	359,55	3,57	2.794
56-4-S	8,04	8,04	360,13	3,24	1.979
56-5-S	16,08	16,08	717,41	5,84	3.085
56-6-S	16,08	16,08	717,76	5,34	2.616
56-7-S	16,08	16,08	718,10	4,89	2.274
56-8-S	24,13	24,13	1074,71	6,68	2.996
56-9-S	24,13	24,13	1075,00	6,05	2.664
56-10-S	24,13	24,13	1075,25	5,42	2.392
56-11-S	32,17	32,17	1431,12	6,41	2.963
56-12-S	32,17	32,17	1431,10	5,66	2.771
56-13-S	32,17	32,17	1431,09	4,93	2.599
56-14-S	32,17	32,17	1431,09	4,24	2.443
56-15-S	32,17	32,17	1431,11	3,60	2.312
56-16-S	32,17	32,17	1431,01	2,99	2.236
56-17-S	32,17	32,17	1430,79	2,37	2.190
56-18-S	32,17	32,17	1430,58	1,75	2.146
56-19-S	40,21	40,21	1785,47	1,39	2.624
56-20-S	40,21	40,21	1785,19	0,63	2.557
56-21-S	40,21	40,21	1784,93	-0,09	2.481
56-22-S	40,21	40,21	1784,42	-0,78	2.463
56-23-S	40,21	40,21	1783,93	-1,44	2.453
56-24-S	32,17	32,17	1428,71	-1,66	1.961
56-25-S	32,17	32,17	1428,31	-2,16	1.958
56-26-S	32,17	32,17	1427,92	-2,65	1.957
56-27-S	32,17	32,17	1427,43	-3,14	1.980
56-28-S	32,17	32,17	1426,78	-3,65	2.062
56-29-S	32,17	32,17	1426,10	-4,19	2.173
56-30-S	32,17	32,17	1425,43	-4,73	2.293
56-31-S	32,17	32,17	1424,76	-5,25	2.424
56-32-S	24,13	24,13	1069,93	-4,32	1.928
56-33-S	24,13	24,13	1069,14	-4,68	2.111
56-34-S	24,13	24,13	1068,31	-5,06	2.335

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
56-35-S	16,08	16,08	713,45	-3,63	1.744
56-36-S	16,08	16,08	712,73	-3,88	1.973
56-37-S	16,08	16,08	711,97	-4,16	2.277
56-38-S	8,04	8,04	357,14	-2,23	1.405
56-39-S	8,04	8,04	356,32	-2,36	1.886
56-40-S	8,04	8,04	355,37	-2,49	2.846
56-41-S	8,04	8,04	354,48	-2,61	5.727

Verifiche geotecniche

Carico limite

Piastra

Simbologia adottata

Ic	Indice combinazione
N	Carico verticale trasmesso al terreno, espresso in [kN]
Np	Carico verticale trasmesso ai pali, espresso in [kN]
Qu	Portanza ultima terreno, espressa in [kN]
Qup	Portanza ultima pali, espressa in [kN]. Solo per fondazione mista
Qd	Portanza di progetto ((Pu+Pup)/n), espressa in [kN]
Nt	Carico verticale trasmesso al terreno (N+Np), espresso in [kN]
FS	Fattore di sicurezza a carico limite (Pd/Nt). Tra parentesi viene riportato l'indice della combinazione con fattore di sicurezza minimo.

Ic	N [kN]	Np [kN]	Qu [kN]	Qup [kN]	Qd [kN]	Nt [kN]	FS
1	41998,76	0,00	430541226,84	0,00	187191837,75	41998,76	1000.000 (1)

Scorrimento

Piastra

Simbologia adottata

n°	Indice plinto
T	Carico orizzontale trasferito al terreno, espresso in [kN]
Tp	Carico orizzontale trasferito ai pali, espresso in [kN]
Ru	Resistenza ultima allo scorrimento, espressa in [kN]
Rd	Resistenza di progetto allo scorrimento, espressa in [kN]
FS	Fattore di sicurezza allo scorrimento (Rd/T). Tra parentesi viene riportato l'indice della combinazione con fattore di sicurezza minimo.

n°	T [kN]	Tp [kN]	Ru [kN]	Rd [kN]	FS
1	1900,00	0,00	24907,30	22643,00	11.917 (1)

Armature

Armature piastra

Direzione principale armature	0,00 [°]
Direzione secondaria armature	-90,00 [°]
Numero tratti complessivi	56
Ampiezza singolo tratto	1,00 [m]
Distanza fra le sezioni di calcolo del singolo tratto	0,25 [m]
Maglia superiore	(5 ϕ 32) x (5 ϕ 32)
Maglia inferiore	(5 ϕ 32) x (5 ϕ 32)

n°	Gruppo	Tipo	Lembo	Dir	nf ϕ [mm]	L [m]
6	F	Lungo	Superiore	X	2 ϕ 32	2,24
7	G	Lungo	Superiore	X	2 ϕ 32	2,24
18	R	Lungo	Superiore	X	2 ϕ 32	2,19
19	S	Lungo	Superiore	X	2 ϕ 32	2,19
113	DI	Lungo	Superiore	X	1 ϕ 32	3,23
138	EH	Lungo	Superiore	X	1 ϕ 32	2,98
158	FB	Lungo	Superiore	X	1 ϕ 32	6,56
159	FC	Lungo	Superiore	X	1 ϕ 32	4,29
160	FD	Lungo	Superiore	X	1 ϕ 32	4,29
166	FJ	Lungo	Superiore	X	1 ϕ 32	4,00
167	FK	Lungo	Superiore	X	1 ϕ 32	7,14
168	FL	Lungo	Superiore	X	1 ϕ 32	4,00
179	FW	Lungo	Superiore	X	5 ϕ 32	2,49
190	GH	Lungo	Superiore	X	2 ϕ 32	3,99
191	GI	Lungo	Superiore	X	2 ϕ 32	8,92
192	GJ	Lungo	Superiore	X	2 ϕ 32	4,00
198	GP	Lungo	Superiore	X	2 ϕ 32	3,87
199	GQ	Lungo	Superiore	X	2 ϕ 32	9,17
200	GR	Lungo	Superiore	X	2 ϕ 32	3,87
226	HR	Lungo	Superiore	X	2 ϕ 32	3,69
227	HS	Lungo	Superiore	X	2 ϕ 32	10,28
228	HT	Lungo	Superiore	X	2 ϕ 32	3,69
239	IE	Lungo	Superiore	X	2 ϕ 32	10,59
240	IF	Lungo	Superiore	X	2 ϕ 32	3,53
241	IG	Lungo	Superiore	X	2 ϕ 32	3,53
257	IW	Lungo	Superiore	X	2 ϕ 32	3,67
258	IX	Lungo	Superiore	X	2 ϕ 32	3,67
259	IY	Lungo	Superiore	X	2 ϕ 32	10,83
270	JJ	Lungo	Superiore	X	2 ϕ 32	3,62
271	JK	Lungo	Superiore	X	2 ϕ 32	10,93
272	JL	Lungo	Superiore	X	2 ϕ 32	3,62
284	JX	Lungo	Superiore	X	1 ϕ 32	10,91
285	JY	Lungo	Superiore	X	1 ϕ 32	3,63
286	JZ	Lungo	Superiore	X	1 ϕ 32	3,63
287	KA	Lungo	Superiore	X	2 ϕ 32	2,49
288	KB	Lungo	Superiore	X	1 ϕ 32	3,74
289	KC	Lungo	Superiore	X	1 ϕ 32	9,43
290	KD	Lungo	Superiore	X	1 ϕ 32	3,74
291	KE	Lungo	Superiore	X	1 ϕ 32	3,29
292	KF	Lungo	Superiore	X	1 ϕ 32	8,07
293	KG	Lungo	Superiore	X	1 ϕ 32	3,29
294	KH	Lungo	Superiore	X	1 ϕ 32	7,14
295	KI	Lungo	Superiore	X	1 ϕ 32	3,75
296	KJ	Lungo	Superiore	X	1 ϕ 32	3,75
297	KK	Lungo	Superiore	X	1 ϕ 32	4,04
298	KL	Lungo	Superiore	X	1 ϕ 32	4,04
299	KM	Lungo	Superiore	X	1 ϕ 32	6,56
305	KS	Lungo	Inferiore	X	2 ϕ 32	2,24
306	KT	Lungo	Inferiore	X	2 ϕ 32	2,24
317	LE	Lungo	Inferiore	X	2 ϕ 32	2,19
318	LF	Lungo	Inferiore	X	2 ϕ 32	2,19
319	LG	Lungo	Inferiore	X	2 ϕ 32	2,30
320	LH	Lungo	Inferiore	X	2 ϕ 32	2,30
433	PQ	Lungo	Inferiore	X	2 ϕ 32	7,46
449	QG	Lungo	Inferiore	X	4 ϕ 32	9,97
468	QZ	Lungo	Inferiore	X	4 ϕ 32	10,71
484	RP	Lungo	Inferiore	X	3 ϕ 32	10,49
497	SC	Lungo	Inferiore	X	2 ϕ 32	2,49
498	SD	Lungo	Inferiore	X	2 ϕ 32	10,99
499	SE	Lungo	Inferiore	X	1 ϕ 32	2,05
500	SF	Lungo	Inferiore	X	3 ϕ 32	2,74
501	SG	Lungo	Inferiore	X	3 ϕ 32	2,49
502	SH	Lungo	Inferiore	X	3 ϕ 32	6,96
503	SI	Lungo	Inferiore	X	3 ϕ 32	4,47

n°	Gruppo	Tipo	Lembo	Dir	nf φ [mm]	L [m]
504	SJ	Lungo	Inferiore	X	3 φ32	4,73
505	SK	Lungo	Inferiore	X	1 φ32	2,49
511	SQ	Lungo	Inferiore	Y	2 φ32	2,24
512	SR	Lungo	Inferiore	Y	2 φ32	2,24
523	TC	Lungo	Inferiore	Y	2 φ32	2,19
524	TD	Lungo	Inferiore	Y	2 φ32	2,19
525	TE	Lungo	Inferiore	Y	2 φ32	2,30
526	TF	Lungo	Inferiore	Y	2 φ32	2,30
627	XC	Lungo	Inferiore	Y	1 φ32	4,23
640	XP	Lungo	Inferiore	Y	4 φ32	8,70
644	XT	Lungo	Inferiore	Y	2 φ32	9,44
657	YG	Lungo	Inferiore	Y	2 φ32	11,72
667	YQ	Lungo	Inferiore	Y	4 φ32	2,24
674	YX	Lungo	Inferiore	Y	2 φ32	3,73
678	ZB	Lungo	Inferiore	Y	4 φ32	2,12
679	ZC	Lungo	Inferiore	Y	4 φ32	12,00
692	ZP	Lungo	Inferiore	Y	3 φ32	11,24
693	ZQ	Lungo	Inferiore	Y	3 φ32	2,74
706	[D	Lungo	Inferiore	Y	3 φ32	2,49
710	[H	Lungo	Inferiore	Y	3 φ32	2,16
711	[I	Lungo	Inferiore	Y	3 φ32	12,00
712	[J	Lungo	Inferiore	Y	4 φ32	2,99
713	[K	Lungo	Inferiore	Y	2 φ32	2,24
714	[L	Lungo	Inferiore	Y	1 φ32	2,05
715	[M	Lungo	Inferiore	Y	2 φ32	10,97
716	[N	Lungo	Inferiore	Y	1 φ32	6,71
717	[O	Lungo	Inferiore	Y	1 φ32	3,23
723	[U	Lungo	Superiore	Y	2 φ32	2,24
724	[V	Lungo	Superiore	Y	2 φ32	2,24
735		Lungo	Superiore	Y	2 φ32	2,19
736		Lungo	Superiore	Y	2 φ32	2,19
873	aO	Lungo	Superiore	Y	2 φ32	4,04
874	aP	Lungo	Superiore	Y	2 φ32	6,56
875	aQ	Lungo	Superiore	Y	2 φ32	4,04
881	aW	Lungo	Superiore	Y	2 φ32	3,75
882	aX	Lungo	Superiore	Y	2 φ32	7,14
883	aY	Lungo	Superiore	Y	2 φ32	3,75
904	bT	Lungo	Superiore	Y	2 φ32	3,99
905	bU	Lungo	Superiore	Y	2 φ32	8,92
906	bV	Lungo	Superiore	Y	2 φ32	4,74
912	cB	Lungo	Superiore	Y	2 φ32	9,17
913	cC	Lungo	Superiore	Y	2 φ32	3,87
914	cD	Lungo	Superiore	Y	2 φ32	4,62
940	dD	Lungo	Superiore	Y	2 φ32	3,68
941	dE	Lungo	Superiore	Y	2 φ32	4,43
942	dF	Lungo	Superiore	Y	2 φ32	10,28
953	dQ	Lungo	Superiore	Y	2 φ32	4,28
954	dR	Lungo	Superiore	Y	2 φ32	3,53
955	dS	Lungo	Superiore	Y	2 φ32	10,59
966	eD	Lungo	Superiore	Y	2 φ32	2,49
972	eJ	Lungo	Superiore	Y	2 φ32	10,83
973	eK	Lungo	Superiore	Y	1 φ32	3,67
974	eL	Lungo	Superiore	Y	2 φ32	3,67
980	eR	Lungo	Superiore	Y	1 φ32	3,63
981	eS	Lungo	Superiore	Y	1 φ32	10,91
982	eT	Lungo	Superiore	Y	1 φ32	3,63
988	eZ	Lungo	Superiore	Y	2 φ32	3,62
989	fA	Lungo	Superiore	Y	1 φ32	3,62
990	fB	Lungo	Superiore	Y	2 φ32	10,93
1002	fN	Lungo	Superiore	Y	1 φ32	2,74
1003	fO	Lungo	Superiore	Y	1 φ32	4,12
1004	fP	Lungo	Superiore	Y	1 φ32	4,17
1005	fQ	Lungo	Superiore	Y	1 φ32	2,96
1006	fR	Lungo	Superiore	Y	1 φ32	4,58