

WPD Salentina 2 s.r.l

PROGETTO DEFINITIVO PER LA REALIZZAZIONE DI UN IMPIANTO EOLICO IN AGRO DI LEVERANO (LE) E VEGLIE (LE), IN LOCALITÀ "MARCHIONI" E "VIGNALI" CON OPERE CONNESSE ALLA SE SITA IN NARDO' (LE)



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1. PREMESSA

Il presente documento è parte integrante del progetto per la realizzazione di un impianto per la produzione di energia elettrica da fonte rinnovabile eolica proposto dalla società WPD Salentina 2 S.r.l..

La proposta progettuale è finalizzata alla realizzazione di un impianto per la produzione di energia elettrica da fonte rinnovabile eolica, costituito da 6 aerogeneratori, del tipo Vestas con rotore pari a 172 m e altezza al tip di 236 m, ciascuno di potenza nominale pari a 7,2 MW, per una potenza complessiva di 43,2 MW, da realizzarsi nei comuni di Veglie (LE) e Leverano (LE), in cui insistono gli aerogeneratori e le relative opere di connessione che attraversano anche i territori di Copertino (LE) e Nardò (LE), per il collegamento alla futura stazione elettrica di trasformazione 380/150 kV denominata "Leverano" da inserire in entra-esce sulla linea 380 kV "Erchie 380 -Galatina 380.

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

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

$$\begin{aligned}\phi_x &= -dw/dy \\ \phi_y &= dw/dx\end{aligned}$$

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

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

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_γ sono i fattori di profondità; s_c, s_q, s_γ sono i fattori di forma; i_c, i_q, i_γ sono i fattori di inclinazione del carico; b_c, b_q, b_γ sono i fattori di inclinazione del piano di posa; g_c, g_q, g_γ sono i fattori che tengono conto del fatto che la fondazione poggia su un terreno in pendenza.

I fattori N_c, N_q, N_γ sono espressi come:

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

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

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

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

Fattori di forma

$$\text{per } \phi=0 \quad s_c = 0.2 \frac{B}{L}$$

$$\text{per } \phi>0 \quad s_c = 1 + \frac{N_q}{N_c} \frac{B}{L}$$

$$s_q = 1 + \frac{B}{L} \tan \phi$$

$$s_\gamma = 1 - 0.4 \frac{B}{L}$$

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 $A_f = B'L'$ (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 η l'angolo di inclinazione della fondazione espresso in gradi ($\eta=0$ 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:

$\Delta\sigma$ 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]
ν	Coeff. di Poisson
n	Coeff. di omogeneizzazione
TA	Tipo acciaio

n°	Descrizione	TC	Rck [kg/cmq]	γ_{cls} [kN/mc]	E [kg/cmq]	ν	n	TA
1	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
	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/cm ²]
ca	Adesione del terreno espressa in [kg/cm ²]
τ_1	Tensione tangenziale, per calcolo portanza micropali con il metodo di Bustamante-Doix, espressa in [kg/cm ²]
α	Coeff. di espansione laterale

Descrizione	g [kN/mc]	g _{sat} [kN/mc]	f [°]	d [°]	c [kg/cm ²]	ca [kg/cm ²]
Terreno Vegetale	16,800	17,500	19,00	12,67	0,050	0,025
Calcere Fratturato	21,000	21,000	35,00	23,33	0,000	0,000
Calcere	23,000	23,000	35,00	23,33	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	Z2	Z3	Terreno
	[m]	[m]	[m]	
1	-2,0	-2,0	-2,0	Terreno Vegetale
2	-5,0	-5,0	-5,0	Calcere Fratturato
3	-15,0	-15,0	-15,0	Calcere
4	-30,0	-30,0	-30,0	Calcere

Falda

Profondità dal piano campagna 10,00 [m]

Costante di Winkler

Direzione	Simbolo	Kw
		[Kg/cm ² /cm]
Verticale	Kwv	0.398
Orizzontale	Kwo	Calcolata dal programma (Kwo=Kwv*tan(f))

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 - $Y_0=1.00$ $Y_1=1.00$ $Y_2=1.00$ - Partecipa al sisma]

Carichi concentrati

Oggetto	X	Y	N	Mx	My	Tx	Ty
	[m]	[m]	[kN]	[kNm]	[kNm]	[kN]	[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° 2 - Condizione 2 [Variabile - $Y_0=1.00$ $Y_1=1.00$ $Y_2=1.00$ - 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

Condizione n° 3 - Condizione 3 [Variabile - $Y_0=1.00$ $Y_1=1.00$ $Y_2=1.00$ - 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	$\gamma_{Q1,fav}$	0.00
Variabili	Sfavorevole	$\gamma_{Q1,sfav}$	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	$\tan \phi'_k$	$\gamma_{\phi'}$	1.00
Coesione efficace	c'_k	γ_c	1.00
Resistenza non drenata	c_{uk}	γ_{cu}	1.00

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

Coefficienti amplificativi g_{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 Piastra

Risultati involuppo

Spostamenti

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/cmq]
 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	
304	11,50	25,50	w	5,004755	[cm]	1	MAX
179	11,50	-2,50		-2,014573		1	MIN
304	11,50	25,50	ux	0,207923	[cm]	3	MAX
167	12,87	-2,43		-0,015473		1	MIN
419	-2,50	11,50	uy	0,244590	[cm]	1	MAX
28	25,50	11,50		-0,086133		3	MIN
263	10,21	11,62	φx	0,001810	[°]	2	MAX
115	16,46	16,13		-0,000122		1	MIN
141	15,62	17,24	φy	0,000106	[°]	2	MAX
210	11,57	10,30		-0,002757		1	MIN
304	11,50	25,50	p	1,992940	[kg/cm ²]	1	MAX
173	9,42	5,51		0,009373		1	MIN

Sollecitazioni

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	15359,6953	[kNm]	1	MAX
197	11,50	8,50		-10813,3409		1	MIN
271	11,50	14,50	My	17578,6801	[kNm]	1	MAX
197	11,50	8,50		-13390,7262		1	MIN
273	9,38	11,01	Mxy	2493,8398	[kNm]	1	MAX
148	14,01	10,29		-2468,7718		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	0,87	[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

Simbologia adottata

Is Identificativo tratto-sezione-direzione (P: direzione principale, S: direzione secondaria)

A_{fi} Area di armatura lembo inferiore espressa in [cmq]

A_{fs} Area di armatura lembo superiore espressa in [cmq]

M_u Momento ultimo espresso in [kNm]

N_u Sforzo normale ultimo espresso in [kN]

FS Fattore di sicurezza

Is	A _{fi} [cmq]	A _{fs} [cmq]	M _u [kNm]	N _u [kN]	FS
1-1-P	8,04	8,04	358,70	5,20	15.687
1-2-P	8,04	8,04	358,84	4,75	7.427
1-3-P	8,04	8,04	359,31	4,35	4.704
1-4-P	8,04	8,04	359,77	3,98	3.360
1-5-P	16,08	16,08	717,10	7,34	5.303
1-6-P	16,08	16,08	717,28	6,75	4.480
1-7-P	16,08	16,08	717,44	6,16	3.851
1-8-P	24,13	24,13	1074,02	8,38	5.022
1-9-P	24,13	24,13	1074,07	7,58	4.415
1-10-P	24,13	24,13	1074,07	6,70	3.846
1-11-P	32,17	32,17	1429,84	7,79	4.598
1-12-P	32,17	32,17	1429,58	6,78	4.163
1-13-P	32,17	32,17	1429,38	5,87	3.793
1-14-P	32,17	32,17	1429,21	5,03	3.468
1-15-P	32,17	32,17	1429,08	4,24	3.181
1-16-P	32,17	32,17	1428,87	3,51	2.976
1-17-P	32,17	32,17	1428,59	2,83	2.853
1-18-P	32,17	32,17	1428,34	2,17	2.772
1-19-P	40,21	40,21	1783,18	1,92	3.374
1-20-P	40,21	40,21	1782,86	1,15	3.283
1-21-P	40,21	40,21	1782,56	0,41	3.189
1-22-P	40,21	40,21	1782,08	-0,29	3.168
1-23-P	40,21	40,21	1781,63	-0,94	3.148
1-24-P	32,17	32,17	1426,47	-1,25	2.507
1-25-P	32,17	32,17	1426,11	-1,74	2.497
1-26-P	32,17	32,17	1425,73	-2,24	2.500
1-27-P	32,17	32,17	1425,27	-2,75	2.541
1-28-P	32,17	32,17	1424,71	-3,24	2.622
1-29-P	32,17	32,17	1424,15	-3,72	2.706
1-30-P	32,17	32,17	1423,61	-4,17	2.794
1-31-P	32,17	32,17	1423,12	-4,55	2.878
1-32-P	24,13	24,13	1068,44	-3,66	2.221
1-33-P	24,13	24,13	1067,86	-3,85	2.363
1-34-P	24,13	24,13	1067,26	-4,04	2.552
1-35-P	16,08	16,08	712,56	-2,82	1.859
1-36-P	16,08	16,08	712,01	-2,94	2.054
1-37-P	16,08	16,08	711,47	-3,04	2.306
1-38-P	8,04	8,04	356,75	-1,59	1.392
1-39-P	8,04	8,04	356,05	-1,68	1.876
1-40-P	8,04	8,04	355,30	-1,77	2.844
1-41-P	8,04	8,04	354,84	-1,86	5.753
2-1-P	16,08	8,04	703,12	4,41	19.492
2-2-P	8,04	8,04	358,44	2,26	5.166
2-3-P	16,08	16,08	715,55	4,50	7.466
2-4-P	16,08	16,08	716,47	4,49	6.018
2-5-P	24,13	24,13	1073,48	6,71	7.591
2-6-P	32,17	32,17	1440,01	26,60	8.522
2-7-P	32,17	32,17	1439,74	24,41	7.052
2-8-P	40,21	40,21	1797,10	27,53	7.486
2-9-P	40,21	40,21	1795,70	24,82	7.018
2-10-P	40,21	40,21	1794,41	22,42	6.653

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
2-11-P	40,21	40,21	1793,28	20,32	6.320
2-12-P	40,21	40,21	1792,29	18,48	6.030
2-13-P	40,21	40,21	1791,52	17,04	5.813
2-14-P	40,21	40,21	1790,76	15,63	5.594
2-15-P	40,21	40,21	1790,00	14,23	5.368
2-16-P	40,21	40,21	1789,24	12,81	5.142
2-17-P	40,21	40,21	1788,44	11,33	4.883
2-18-P	40,21	40,21	1787,63	9,83	4.598
2-19-P	40,21	40,21	1786,90	8,47	4.334
2-20-P	40,21	40,21	1786,25	7,27	4.085
2-21-P	40,21	40,21	1785,69	6,23	3.850
2-22-P	40,21	40,21	1785,19	5,29	3.643
2-23-P	40,21	40,21	1784,71	4,40	3.464
2-24-P	40,21	40,21	1784,25	3,54	3.309
2-25-P	40,21	40,21	1783,81	2,74	3.174
2-26-P	40,21	40,21	1783,43	2,03	3.092
2-27-P	40,21	40,21	1783,08	1,38	3.024
2-28-P	40,21	40,21	1782,75	0,76	2.955
2-29-P	40,21	40,21	1782,44	0,18	2.885
2-30-P	40,21	40,21	1782,13	-0,37	2.816
2-31-P	40,21	40,21	1781,85	-0,88	2.750
2-32-P	40,21	40,21	1781,58	-1,36	2.715
2-33-P	40,21	40,21	1781,31	-1,86	2.686
2-34-P	40,21	40,21	1781,03	-2,36	2.658
2-35-P	40,21	40,21	1780,75	-2,87	2.631
2-36-P	40,21	40,21	1780,46	-3,38	2.605
2-37-P	40,21	40,21	1780,20	-3,86	2.575
2-38-P	40,21	40,21	1779,95	-4,30	2.534
2-39-P	40,21	40,21	1779,73	-4,71	2.493
2-40-P	40,21	40,21	1779,52	-5,08	2.451
2-41-P	40,21	40,21	1779,34	-5,40	2.407
2-42-P	40,21	40,21	1779,17	-5,72	2.371
2-43-P	40,21	40,21	1778,97	-6,07	2.342
2-44-P	40,21	40,21	1778,78	-6,41	2.314
2-45-P	40,21	40,21	1778,60	-6,74	2.285
2-46-P	40,21	40,21	1778,42	-7,07	2.265
2-47-P	40,21	40,21	1778,17	-7,51	2.297
2-48-P	40,21	40,21	1777,94	-7,93	2.335
2-49-P	40,21	40,21	1777,71	-8,35	2.375
2-50-P	40,21	40,21	1777,42	-8,75	2.435
2-51-P	32,17	32,17	1422,58	-7,25	2.185
2-52-P	32,17	32,17	1421,52	-7,49	2.529
2-53-P	24,13	24,13	1066,64	-5,81	2.249
2-54-P	16,08	16,08	711,83	-4,00	1.837
2-55-P	16,08	16,08	710,83	-4,15	2.362
2-56-P	8,04	8,04	356,02	-2,16	1.715
2-57-P	16,08	8,04	698,91	-4,38	6.797
3-1-P	8,04	8,04	357,58	2,31	6.567
3-2-P	8,04	8,04	358,96	2,30	3.291
3-3-P	16,08	16,08	716,56	4,55	4.372
3-4-P	24,13	24,13	1073,99	6,84	5.134
3-5-P	32,17	32,17	1431,32	9,20	5.891
3-6-P	40,21	40,21	1788,58	11,60	6.587
3-7-P	40,21	40,21	1788,66	11,74	6.760
3-8-P	40,21	40,21	1788,73	11,86	6.936
3-9-P	40,21	40,21	1788,75	11,91	7.115
3-10-P	40,21	40,21	1788,78	11,95	7.311
3-11-P	40,21	40,21	1788,81	12,01	7.522
3-12-P	40,21	40,21	1788,84	12,07	7.737
3-13-P	40,21	40,21	1788,88	12,14	7.980
3-14-P	40,21	40,21	1794,93	23,38	7.671
3-15-P	40,21	40,21	1793,49	20,71	7.267
3-16-P	40,21	40,21	1792,19	18,29	6.865
3-17-P	40,21	40,21	1791,02	16,13	6.464
3-18-P	40,21	40,21	1790,02	14,26	6.091
3-19-P	40,21	40,21	1789,14	12,63	5.757
3-20-P	40,21	40,21	1788,35	11,16	5.450
3-21-P	40,21	40,21	1787,63	9,83	5.168
3-22-P	40,21	40,21	1786,97	8,61	4.909

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
3-23-P	40,21	40,21	1786,39	7,51	4.654
3-24-P	40,21	40,21	-1821,73	73,74	4.250
3-25-P	40,21	40,21	-1819,21	69,02	3.928
3-26-P	40,21	40,21	-1817,56	65,92	3.715
3-27-P	40,21	40,21	-1816,15	63,29	3.533
3-28-P	40,21	40,21	-1814,87	60,89	3.368
3-29-P	40,21	40,21	-1813,71	58,72	3.219
3-30-P	40,21	40,21	1783,45	2,07	3.102
3-31-P	40,21	40,21	1783,25	1,69	2.960
3-32-P	40,21	40,21	1783,05	1,32	2.837
3-33-P	40,21	40,21	1782,84	0,93	2.732
3-34-P	40,21	40,21	1782,62	0,53	2.642
3-35-P	40,21	40,21	1782,39	0,10	2.565
3-36-P	40,21	40,21	1782,16	-0,33	2.495
3-37-P	40,21	40,21	1781,95	-0,71	2.450
3-38-P	40,21	40,21	1781,75	-1,07	2.419
3-39-P	40,21	40,21	1781,57	-1,39	2.382
3-40-P	40,21	40,21	1781,42	-1,67	2.341
3-41-P	40,21	40,21	1781,28	-1,91	2.296
3-42-P	40,21	40,21	1781,17	-2,11	2.246
3-43-P	40,21	40,21	1781,07	-2,29	2.197
3-44-P	40,21	40,21	1780,91	-2,58	2.168
3-45-P	40,21	40,21	1780,74	-2,88	2.144
3-46-P	40,21	40,21	1780,58	-3,16	2.118
3-47-P	40,21	40,21	1780,43	-3,44	2.093
3-48-P	40,21	40,21	1780,28	-3,71	2.066
3-49-P	40,21	40,21	1780,15	-3,95	2.043
3-50-P	40,21	40,21	1779,99	-4,23	2.033
3-51-P	40,21	40,21	1779,80	-4,58	2.041
3-52-P	40,21	40,21	1779,59	-4,95	2.058
3-53-P	40,21	40,21	1779,39	-5,32	2.074
3-54-P	40,21	40,21	1779,18	-5,69	2.091
3-55-P	40,21	40,21	1778,97	-6,06	2.108
3-56-P	40,21	40,21	1778,77	-6,43	2.132
3-57-P	40,21	40,21	1778,54	-6,84	2.174
3-58-P	40,21	40,21	1778,28	-7,32	2.215
3-59-P	40,21	40,21	1777,98	-7,86	2.260
3-60-P	40,21	40,21	1777,66	-8,43	2.309
3-61-P	40,21	40,21	1777,34	-9,01	2.360
3-62-P	40,21	40,21	1777,01	-9,61	2.411
3-63-P	40,21	40,21	1776,73	-10,10	2.451
3-64-P	40,21	40,21	1776,51	-10,50	2.486
3-65-P	32,17	32,17	1421,58	-8,62	2.326
3-66-P	24,13	24,13	1066,65	-6,60	2.123
3-67-P	16,08	16,08	711,63	-4,47	1.859
3-68-P	8,04	8,04	356,46	-2,27	1.409
3-69-P	8,04	8,04	355,07	-2,29	2.830
4-1-P	16,08	16,08	714,37	4,72	10.101
4-2-P	16,08	16,08	715,86	4,70	5.051
4-3-P	24,13	24,13	1073,76	7,01	5.037
4-4-P	32,17	32,17	1431,54	9,29	5.095
4-5-P	40,21	40,21	1788,58	11,59	5.574
4-6-P	40,21	40,21	1788,57	11,57	5.478
4-7-P	40,21	40,21	1788,55	11,54	5.385
4-8-P	40,21	40,21	1788,58	11,58	5.334
4-9-P	40,21	40,21	1788,68	11,77	5.430
4-10-P	40,21	40,21	1788,78	11,97	5.571
4-11-P	40,21	40,21	1788,90	12,18	5.738
4-12-P	40,21	40,21	1789,02	12,40	5.922
4-13-P	40,21	40,21	1789,11	12,58	6.126
4-14-P	40,21	40,21	1789,20	12,75	6.343
4-15-P	40,21	40,21	1789,29	12,92	6.560
4-16-P	40,21	40,21	1789,39	13,08	6.783
4-17-P	40,21	40,21	1789,47	13,25	7.011
4-18-P	40,21	40,21	1789,61	13,49	7.355
4-19-P	40,21	40,21	1789,76	13,78	7.758
4-20-P	40,21	40,21	1788,53	11,49	7.454
4-21-P	40,21	40,21	1787,57	9,72	6.931
4-22-P	40,21	40,21	1786,73	8,15	6.481

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
4-23-P	40,21	40,21	1785,98	6,77	6.083
4-24-P	40,21	40,21	1785,34	5,58	5.753
4-25-P	40,21	40,21	1784,83	4,62	5.411
4-26-P	40,21	40,21	1784,44	3,90	5.044
4-27-P	40,21	40,21	-1820,94	72,25	4.524
4-28-P	40,21	40,21	-1817,41	65,65	4.040
4-29-P	40,21	40,21	-1814,57	60,33	3.649
4-30-P	40,21	40,21	-1812,22	55,94	3.326
4-31-P	40,21	40,21	-1810,33	52,39	3.063
4-32-P	40,21	40,21	-1808,91	49,73	2.868
4-33-P	40,21	40,21	-1807,95	47,95	2.740
4-34-P	40,21	40,21	-1807,51	47,11	2.680
4-35-P	40,21	40,21	-1807,07	46,29	2.619
4-36-P	40,21	40,21	-1806,65	45,50	2.561
4-37-P	40,21	40,21	-1806,24	44,74	2.505
4-38-P	40,21	40,21	-1805,85	44,01	2.452
4-39-P	40,21	40,21	1782,29	-0,09	2.363
4-40-P	40,21	40,21	1782,23	-0,19	2.250
4-41-P	40,21	40,21	1782,18	-0,29	2.150
4-42-P	40,21	40,21	1782,12	-0,39	2.095
4-43-P	40,21	40,21	1782,06	-0,50	2.053
4-44-P	40,21	40,21	1782,00	-0,61	2.011
4-45-P	40,21	40,21	1781,95	-0,71	1.969
4-46-P	40,21	40,21	1781,89	-0,81	1.927
4-47-P	40,21	40,21	1781,83	-0,91	1.884
4-48-P	40,21	40,21	1781,78	-1,00	1.841
4-49-P	40,21	40,21	1781,71	-1,14	1.812
4-50-P	40,21	40,21	1781,61	-1,31	1.803
4-51-P	40,21	40,21	1781,54	-1,44	1.796
4-52-P	40,21	40,21	1781,48	-1,55	1.789
4-53-P	40,21	40,21	1781,43	-1,64	1.782
4-54-P	40,21	40,21	1781,38	-1,74	1.773
4-55-P	40,21	40,21	1781,32	-1,84	1.763
4-56-P	40,21	40,21	1781,22	-2,02	1.761
4-57-P	40,21	40,21	1781,08	-2,28	1.769
4-58-P	40,21	40,21	1780,91	-2,57	1.782
4-59-P	40,21	40,21	1780,74	-2,88	1.808
4-60-P	40,21	40,21	1780,56	-3,21	1.848
4-61-P	40,21	40,21	1780,37	-3,56	1.895
4-62-P	40,21	40,21	1780,16	-3,92	1.943
4-63-P	40,21	40,21	1779,95	-4,31	1.992
4-64-P	40,21	40,21	1779,70	-4,75	2.040
4-65-P	40,21	40,21	1779,42	-5,25	2.086
4-66-P	40,21	40,21	1779,10	-5,83	2.133
4-67-P	40,21	40,21	1778,75	-6,46	2.183
4-68-P	40,21	40,21	1778,39	-7,11	2.234
4-69-P	40,21	40,21	1778,05	-7,72	2.284
4-70-P	40,21	40,21	1777,75	-8,27	2.330
4-71-P	40,21	40,21	1777,46	-8,78	2.372
4-72-P	40,21	40,21	1777,20	-9,27	2.412
4-73-P	40,21	40,21	1776,97	-9,68	2.452
4-74-P	40,21	40,21	1776,76	-10,05	2.490
4-75-P	32,17	32,17	1421,97	-8,24	2.283
4-76-P	24,13	24,13	1066,46	-6,36	2.339
4-77-P	16,08	16,08	710,90	-4,37	2.446
4-78-P	8,04	8,04	355,41	-2,26	2.562
5-1-P	16,08	16,08	717,43	9,97	6.871
5-2-P	16,08	16,08	719,91	10,77	3.489
5-3-P	32,17	32,17	1438,49	23,08	4.703
5-4-P	40,21	40,21	1799,00	30,94	4.918
5-5-P	40,21	40,21	1799,83	32,49	4.936
5-6-P	40,21	40,21	1800,68	34,06	4.953
5-7-P	40,21	40,21	1801,53	35,63	4.968
5-8-P	40,21	40,21	1802,37	37,20	4.985
5-9-P	40,21	40,21	1788,45	11,34	4.960
5-10-P	40,21	40,21	1788,50	11,44	4.941
5-11-P	40,21	40,21	1788,59	11,61	4.967
5-12-P	40,21	40,21	1788,69	11,80	4.998
5-13-P	40,21	40,21	1788,78	11,96	5.024

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
5-14-P	40,21	40,21	1788,87	12,12	5.050
5-15-P	40,21	40,21	1788,99	12,35	5.119
5-16-P	40,21	40,21	1789,16	12,67	5.264
5-17-P	40,21	40,21	1789,33	12,97	5.416
5-18-P	40,21	40,21	1789,47	13,25	5.574
5-19-P	40,21	40,21	1789,61	13,50	5.740
5-20-P	40,21	40,21	1789,72	13,70	5.914
5-21-P	40,21	40,21	1789,87	13,98	6.182
5-22-P	40,21	40,21	1790,08	14,37	6.522
5-23-P	40,21	40,21	1790,34	14,85	6.895
5-24-P	40,21	40,21	-1781,92	-0,76	6.924
5-25-P	40,21	40,21	-1781,96	-0,70	6.784
5-26-P	40,21	40,21	-1782,11	-0,42	6.611
5-27-P	40,21	40,21	1782,35	0,01	6.464
5-28-P	40,21	40,21	1782,59	0,46	5.709
5-29-P	40,21	40,21	-1821,00	72,36	4.838
5-30-P	40,21	40,21	-1816,16	63,31	4.127
5-31-P	40,21	40,21	-1812,90	57,20	3.645
5-32-P	40,21	40,21	-1810,59	52,89	3.302
5-33-P	40,21	40,21	-1808,73	49,39	3.026
5-34-P	40,21	40,21	-1807,05	46,25	2.784
5-35-P	40,21	40,21	-1805,51	43,38	2.572
5-36-P	40,21	40,21	-1804,18	40,89	2.388
5-37-P	40,21	40,21	-2061,36	50,10	2.545
5-38-P	40,21	40,21	-2060,01	47,87	2.400
5-39-P	40,21	48,25	-2463,89	55,48	2.750
5-40-P	40,21	48,25	2034,36	-0,03	2.656
5-41-P	40,21	48,25	2034,30	-0,12	2.534
5-42-P	40,21	48,25	2034,26	-0,18	2.411
5-43-P	40,21	40,21	-2058,52	45,42	2.246
5-44-P	40,21	48,25	2034,21	-0,26	2.182
5-45-P	40,21	48,25	2034,19	-0,29	2.078
5-46-P	40,21	48,25	2034,16	-0,33	1.989
5-47-P	40,21	48,25	2034,13	-0,39	1.934
5-48-P	40,21	40,21	2030,69	-0,42	1.895
5-49-P	40,21	40,21	2030,69	-0,44	1.857
5-50-P	40,21	40,21	1782,14	-0,36	1.594
5-51-P	40,21	40,21	1782,15	-0,35	1.557
5-52-P	40,21	40,21	1782,15	-0,34	1.519
5-53-P	40,21	40,21	1782,16	-0,33	1.487
5-54-P	40,21	40,21	1782,14	-0,35	1.481
5-55-P	40,21	40,21	1782,13	-0,39	1.483
5-56-P	40,21	40,21	1782,12	-0,40	1.485
5-57-P	40,21	40,21	1782,12	-0,40	1.487
5-58-P	40,21	40,21	1782,13	-0,38	1.488
5-59-P	40,21	40,21	1782,15	-0,34	1.488
5-60-P	40,21	40,21	1782,18	-0,29	1.488
5-61-P	40,21	40,21	1782,21	-0,24	1.507
5-62-P	40,21	40,21	1782,22	-0,22	1.547
5-63-P	40,21	40,21	1782,21	-0,24	1.585
5-64-P	40,21	40,21	1782,16	-0,33	1.622
5-65-P	40,21	40,21	1782,08	-0,48	1.657
5-66-P	40,21	40,21	1781,96	-0,69	1.690
5-67-P	40,21	40,21	1781,84	-0,90	1.724
5-68-P	40,21	40,21	1781,69	-1,17	1.764
5-69-P	40,21	40,21	1781,44	-1,62	1.827
5-70-P	40,21	40,21	1781,18	-2,10	1.891
5-71-P	40,21	40,21	1780,90	-2,60	1.954
5-72-P	40,21	40,21	1780,61	-3,11	2.013
5-73-P	40,21	40,21	1780,32	-3,64	2.070
5-74-P	40,21	40,21	1779,99	-4,23	2.123
5-75-P	40,21	40,21	1779,61	-4,92	2.177
5-76-P	40,21	40,21	1779,21	-5,64	2.237
5-77-P	40,21	40,21	1778,78	-6,42	2.307
5-78-P	40,21	40,21	1778,36	-7,16	2.387
5-79-P	40,21	40,21	1778,02	-7,79	2.495
5-80-P	40,21	40,21	1777,75	-8,26	2.621
5-81-P	40,21	40,21	1777,47	-8,77	2.760
5-82-P	40,21	40,21	1777,14	-9,37	2.908

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
5-83-P	32,17	32,17	1421,74	-7,80	2.949
5-84-P	16,08	16,08	711,90	-4,00	2.306
5-85-P	8,04	8,04	355,92	-2,04	2.403
6-1-P	24,13	24,13	1072,94	9,64	7.472
6-2-P	24,13	24,13	1075,66	10,56	3.786
6-3-P	40,21	40,21	1792,49	19,06	4.341
6-4-P	40,21	40,21	1792,91	19,64	4.215
6-5-P	40,21	40,21	1793,20	20,17	4.144
6-6-P	40,21	40,21	1793,45	20,64	4.080
6-7-P	40,21	40,21	1793,71	21,12	4.038
6-8-P	40,21	40,21	1794,16	21,95	4.041
6-9-P	40,21	40,21	1794,75	23,05	4.067
6-10-P	40,21	40,21	1795,35	24,17	4.098
6-11-P	40,21	40,21	1796,04	25,44	4.132
6-12-P	40,21	40,21	1796,82	26,90	4.172
6-13-P	40,21	40,21	1797,65	28,44	4.222
6-14-P	40,21	40,21	1798,68	30,34	4.313
6-15-P	40,21	40,21	1788,15	10,79	4.423
6-16-P	40,21	40,21	1788,21	10,91	4.431
6-17-P	40,21	40,21	1788,30	11,07	4.465
6-18-P	40,21	40,21	1788,48	11,41	4.572
6-19-P	40,21	40,21	1788,71	11,83	4.672
6-20-P	40,21	40,21	1788,96	12,30	4.761
6-21-P	40,21	40,21	1789,24	12,82	4.838
6-22-P	40,21	40,21	1789,54	13,38	4.900
6-23-P	40,21	40,21	1789,87	13,99	4.960
6-24-P	40,21	40,21	-1778,42	-7,10	5.045
6-25-P	40,21	40,21	-1778,80	-6,41	4.974
6-26-P	40,21	40,21	-1779,16	-5,77	4.898
6-27-P	40,21	40,21	-1779,48	-5,18	4.818
6-28-P	40,21	40,21	-2027,04	-6,24	5.392
6-29-P	40,21	48,25	-2294,40	-6,31	6.080
6-30-P	40,21	48,25	-2722,55	-7,97	7.484
6-31-P	40,21	56,30	2286,36	0,00	7.435
6-32-P	40,21	56,30	2530,00	-7,22	7.905
6-33-P	40,21	56,30	2531,34	-5,53	7.118
6-34-P	40,21	56,30	2780,87	-4,82	7.089
6-35-P	40,21	56,30	2782,15	-3,34	6.399
6-36-P	40,21	56,30	-4359,46	163,38	6.110
6-37-P	40,21	48,25	-3734,84	127,04	4.648
6-38-P	40,21	56,30	-4336,38	137,35	4.932
6-39-P	40,21	48,25	-3721,37	111,93	3.956
6-40-P	40,21	48,25	-3716,64	106,62	3.711
6-41-P	40,21	48,25	-3712,54	102,02	3.499
6-42-P	40,21	40,21	-3099,60	82,47	2.803
6-43-P	40,21	40,21	-3097,61	80,25	2.712
6-44-P	40,21	40,21	-3095,98	78,42	2.638
6-45-P	40,21	40,21	-3095,06	77,40	2.599
6-46-P	40,21	40,21	-3094,74	77,04	2.588
6-47-P	40,21	40,21	-3094,75	77,05	2.594
6-48-P	40,21	40,21	-3095,33	77,70	2.627
6-49-P	40,21	40,21	3025,15	-0,61	2.585
6-50-P	40,21	40,21	3025,15	-0,61	2.467
6-51-P	40,21	48,25	3029,95	-0,60	2.367
6-52-P	40,21	48,25	3029,99	-0,56	2.296
6-53-P	40,21	48,25	3030,06	-0,48	2.251
6-54-P	40,21	56,30	3034,00	-0,40	2.211
6-55-P	40,21	48,25	3030,23	-0,29	2.161
6-56-P	40,21	56,30	3034,24	-0,16	2.113
6-57-P	40,21	56,30	2785,06	0,02	1.890
6-58-P	40,21	56,30	2785,31	0,31	1.883
6-59-P	40,21	56,30	2536,15	0,58	1.728
6-60-P	40,21	56,30	2536,38	0,88	1.739
6-61-P	40,21	56,30	2287,01	0,93	1.576
6-62-P	40,21	48,25	2284,19	1,15	1.580
6-63-P	40,21	48,25	2035,02	1,05	1.411
6-64-P	40,21	40,21	2031,73	1,25	1.428
6-65-P	40,21	40,21	1782,91	1,05	1.283
6-66-P	40,21	40,21	1782,99	1,20	1.315

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
6-67-P	40,21	40,21	1783,07	1,36	1.348
6-68-P	40,21	40,21	1783,17	1,53	1.383
6-69-P	40,21	40,21	1783,26	1,71	1.419
6-70-P	40,21	40,21	1783,33	1,84	1.455
6-71-P	40,21	40,21	1783,34	1,85	1.515
6-72-P	40,21	40,21	1783,30	1,78	1.582
6-73-P	40,21	40,21	1783,22	1,63	1.649
6-74-P	40,21	40,21	1783,10	1,41	1.716
6-75-P	40,21	40,21	1782,96	1,14	1.784
6-76-P	40,21	40,21	1782,80	0,85	1.856
6-77-P	40,21	40,21	1782,60	0,49	1.933
6-78-P	40,21	40,21	1782,28	-0,10	2.016
6-79-P	40,21	40,21	1781,92	-0,75	2.107
6-80-P	40,21	40,21	1781,54	-1,44	2.202
6-81-P	40,21	40,21	1781,12	-2,19	2.305
6-82-P	40,21	40,21	1780,67	-3,01	2.423
6-83-P	40,21	40,21	1780,20	-3,86	2.562
6-84-P	40,21	40,21	1779,76	-4,65	2.708
6-85-P	40,21	40,21	1779,29	-5,50	2.839
6-86-P	40,21	40,21	1778,84	-6,31	2.980
6-87-P	40,21	40,21	1778,42	-7,07	3.134
6-88-P	40,21	40,21	1777,95	-7,90	3.305
6-89-P	40,21	40,21	1777,35	-8,78	3.532
6-90-P	24,13	24,13	1066,91	-5,53	3.260
6-91-P	8,04	8,04	356,44	-1,93	2.287
7-1-P	32,17	32,17	1428,10	8,40	7.635
7-2-P	32,17	32,17	1430,93	9,06	3.746
7-3-P	40,21	40,21	1788,79	11,98	3.784
7-4-P	40,21	40,21	1789,03	12,43	3.740
7-5-P	40,21	40,21	1789,27	12,86	3.697
7-6-P	40,21	40,21	1789,47	13,24	3.661
7-7-P	40,21	40,21	1789,66	13,60	3.634
7-8-P	40,21	40,21	1789,85	13,95	3.605
7-9-P	40,21	40,21	1790,03	14,28	3.577
7-10-P	40,21	40,21	1790,21	14,61	3.551
7-11-P	40,21	40,21	1790,38	14,93	3.518
7-12-P	40,21	40,21	1790,65	15,43	3.488
7-13-P	40,21	40,21	1791,21	16,47	3.505
7-14-P	40,21	40,21	1791,84	17,65	3.534
7-15-P	40,21	40,21	1792,49	18,85	3.566
7-16-P	40,21	40,21	1793,15	20,08	3.599
7-17-P	40,21	40,21	1793,82	21,31	3.628
7-18-P	40,21	40,21	1794,40	22,39	3.627
7-19-P	40,21	40,21	1795,06	23,62	3.638
7-20-P	40,21	40,21	1796,63	26,54	3.844
7-21-P	40,21	40,21	1788,39	11,24	3.912
7-22-P	40,21	40,21	1788,77	11,94	3.933
7-23-P	40,21	40,21	1789,12	12,59	3.954
7-24-P	40,21	40,21	-1776,26	-11,02	3.839
7-25-P	40,21	48,25	2045,54	18,15	4.562
7-26-P	40,21	48,25	2300,21	24,41	5.368
7-27-P	40,21	56,30	2560,23	32,02	6.270
7-28-P	40,21	64,34	2564,88	34,50	6.596
7-29-P	40,21	72,38	2828,08	44,64	7.637
7-30-P	40,21	72,38	3092,39	56,80	8.771
7-31-P	40,21	64,34	-4779,06	-27,96	9.337
7-32-P	40,21	56,30	-4193,63	-22,74	8.428
7-33-P	40,21	48,25	-3604,97	-17,96	7.426
7-34-P	40,21	40,21	-3012,93	-13,74	6.348
7-35-P	40,21	40,21	-3014,03	-12,56	6.483
7-36-P	40,21	40,21	-3163,67	153,98	6.464
7-37-P	40,21	40,21	-3141,47	129,20	5.261
7-38-P	40,21	40,21	-3124,68	110,46	4.369
7-39-P	40,21	40,21	-3112,67	97,05	3.731
7-40-P	40,21	40,21	-3103,68	87,02	3.254
7-41-P	40,21	40,21	-3096,73	79,26	2.886
7-42-P	40,21	40,21	-3091,41	73,32	2.605
7-43-P	40,21	40,21	-3086,92	68,30	2.391
7-44-P	40,21	40,21	-3084,07	65,13	2.260

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
7-45-P	40,21	40,21	-3082,41	63,27	2.182
7-46-P	40,21	40,21	-3080,97	61,66	2.114
7-47-P	40,21	40,21	-3079,54	60,07	2.048
7-48-P	40,21	40,21	-3078,20	58,57	1.985
7-49-P	40,21	40,21	-3077,99	58,34	1.980
7-50-P	40,21	40,21	-3079,19	59,69	2.049
7-51-P	40,21	40,21	-3080,56	61,21	2.127
7-52-P	40,21	40,21	3025,74	0,02	2.171
7-53-P	40,21	40,21	3025,72	0,00	2.085
7-54-P	40,21	40,21	3025,72	0,00	2.003
7-55-P	40,21	40,21	3025,90	0,20	1.927
7-56-P	40,21	40,21	3026,21	0,54	1.863
7-57-P	40,21	40,21	3026,40	0,75	1.809
7-58-P	40,21	40,21	3026,46	0,82	1.765
7-59-P	40,21	40,21	3026,51	0,88	1.724
7-60-P	40,21	40,21	3026,60	0,97	1.686
7-61-P	40,21	40,21	3026,85	1,24	1.668
7-62-P	40,21	40,21	3027,28	1,72	1.671
7-63-P	40,21	40,21	3027,84	2,35	1.680
7-64-P	40,21	48,25	3033,32	3,09	1.695
7-65-P	40,21	56,30	3037,92	3,88	1.710
7-66-P	40,21	64,34	3041,76	4,61	1.736
7-67-P	40,21	72,38	3044,94	5,25	1.790
7-68-P	40,21	72,38	2794,58	5,08	1.693
7-69-P	40,21	64,34	2541,97	4,74	1.585
7-70-P	40,21	56,30	2539,70	5,21	1.628
7-71-P	40,21	48,25	2286,59	4,63	1.506
7-72-P	40,21	48,25	2036,82	3,98	1.377
7-73-P	40,21	40,21	1784,07	3,22	1.257
7-74-P	40,21	40,21	1784,18	3,42	1.317
7-75-P	40,21	40,21	1784,30	3,65	1.384
7-76-P	40,21	40,21	1784,44	3,90	1.458
7-77-P	40,21	40,21	1784,59	4,18	1.540
7-78-P	40,21	40,21	1784,72	4,41	1.624
7-79-P	40,21	40,21	1784,81	4,58	1.709
7-80-P	40,21	40,21	1784,85	4,67	1.808
7-81-P	40,21	40,21	1784,71	4,39	1.910
7-82-P	40,21	40,21	1784,49	3,98	2.019
7-83-P	40,21	40,21	1784,25	3,54	2.147
7-84-P	40,21	40,21	1783,97	3,03	2.294
7-85-P	40,21	40,21	1783,66	2,46	2.458
7-86-P	40,21	40,21	1783,31	1,80	2.644
7-87-P	40,21	40,21	1782,86	0,97	2.834
7-88-P	40,21	40,21	1782,26	-0,14	2.995
7-89-P	40,21	40,21	1781,54	-1,45	3.170
7-90-P	40,21	40,21	1780,69	-2,97	3.366
7-91-P	40,21	40,21	1779,80	-4,58	3.576
7-92-P	40,21	40,21	1788,77	11,95	3.736
7-93-P	40,21	40,21	1788,77	11,94	3.852
7-94-P	40,21	40,21	1788,76	11,93	3.974
7-95-P	32,17	32,17	1431,00	9,21	3.956
7-96-P	16,08	16,08	715,36	4,25	3.968
8-1-P	32,17	32,17	1426,87	5,41	6.290
8-2-P	32,17	32,17	1430,34	6,05	3.330
8-3-P	40,21	40,21	1786,50	7,73	3.767
8-4-P	40,21	40,21	1786,56	7,83	3.581
8-5-P	40,21	40,21	1786,60	7,91	3.411
8-6-P	40,21	40,21	1786,67	8,03	3.309
8-7-P	40,21	40,21	1786,75	8,20	3.271
8-8-P	40,21	40,21	1786,84	8,35	3.237
8-9-P	40,21	40,21	1786,94	8,54	3.213
8-10-P	40,21	40,21	1787,05	8,74	3.182
8-11-P	40,21	40,21	1787,22	9,07	3.147
8-12-P	40,21	40,21	1787,41	9,41	3.103
8-13-P	40,21	40,21	1787,59	9,75	3.054
8-14-P	40,21	40,21	1787,77	10,08	3.008
8-15-P	40,21	40,21	1787,96	10,43	2.967
8-16-P	40,21	40,21	1788,32	11,11	2.963
8-17-P	40,21	40,21	1788,81	12,02	2.971

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
8-18-P	40,21	40,21	1789,27	12,86	2.959
8-19-P	40,21	40,21	1789,67	13,61	2.927
8-20-P	40,21	40,21	1790,06	14,33	2.892
8-21-P	40,21	40,21	1790,44	15,04	2.858
8-22-P	40,21	40,21	1791,03	16,13	2.879
8-23-P	40,21	40,21	2045,14	23,18	3.432
8-24-P	40,21	56,30	2308,69	32,23	4.022
8-25-P	40,21	64,34	2571,69	43,35	4.620
8-26-P	40,21	72,38	2814,66	28,79	5.137
8-27-P	40,21	80,42	3076,15	36,72	5.514
8-28-P	40,21	72,38	3077,09	40,18	5.646
8-29-P	40,21	56,30	3074,82	44,30	5.911
8-30-P	40,21	48,25	-3593,45	-30,40	5.289
8-31-P	40,21	40,21	-3003,33	-24,05	4.388
8-32-P	40,21	40,21	-3004,19	-23,12	4.337
8-33-P	40,21	40,21	-3005,09	-22,16	4.360
8-34-P	40,21	40,21	-3005,63	-21,59	4.423
8-35-P	40,21	40,21	-3005,88	-21,32	4.471
8-36-P	40,21	40,21	-3006,04	-21,15	4.506
8-37-P	40,21	40,21	-3006,13	-21,05	4.511
8-38-P	40,21	40,21	-3006,36	-20,80	4.658
8-39-P	40,21	40,21	-3006,95	-20,17	4.982
8-40-P	40,21	40,21	-3115,52	100,23	4.248
8-41-P	40,21	40,21	-3102,42	85,61	3.495
8-42-P	40,21	40,21	-3094,04	76,26	3.013
8-43-P	40,21	40,21	-3088,21	69,75	2.679
8-44-P	40,21	40,21	-3082,58	63,46	2.387
8-45-P	40,21	40,21	-3077,42	57,71	2.136
8-46-P	40,21	40,21	-3073,16	52,95	1.927
8-47-P	40,21	40,21	-3069,65	49,03	1.755
8-48-P	40,21	40,21	-3066,93	45,99	1.622
8-49-P	40,21	40,21	-3064,97	43,81	1.526
8-50-P	40,21	40,21	-3063,83	42,54	1.476
8-51-P	40,21	40,21	-3064,33	43,09	1.511
8-52-P	40,21	40,21	-3064,84	43,67	1.548
8-53-P	40,21	40,21	-3065,22	44,09	1.579
8-54-P	40,21	40,21	-3065,62	44,53	1.612
8-55-P	40,21	40,21	-3066,61	45,64	1.685
8-56-P	40,21	40,21	3027,51	1,97	1.724
8-57-P	40,21	40,21	3027,94	2,46	1.655
8-58-P	40,21	40,21	3028,22	2,77	1.603
8-59-P	40,21	40,21	3028,48	3,06	1.550
8-60-P	40,21	40,21	3028,80	3,41	1.499
8-61-P	40,21	40,21	3029,19	3,84	1.454
8-62-P	40,21	40,21	3029,54	4,22	1.429
8-63-P	40,21	40,21	3029,80	4,52	1.424
8-64-P	40,21	40,21	3030,06	4,81	1.418
8-65-P	40,21	40,21	3030,32	5,10	1.413
8-66-P	40,21	40,21	3030,58	5,38	1.407
8-67-P	40,21	40,21	3030,94	5,77	1.407
8-68-P	40,21	40,21	3031,46	6,36	1.417
8-69-P	40,21	40,21	3031,83	6,76	1.461
8-70-P	40,21	40,21	3032,31	7,29	1.505
8-71-P	40,21	40,21	3032,92	7,97	1.549
8-72-P	40,21	48,25	3038,45	8,75	1.596
8-73-P	40,21	56,30	3043,14	9,60	1.646
8-74-P	40,21	72,38	3049,79	10,51	1.701
8-75-P	40,21	80,42	3052,94	11,59	1.776
8-76-P	40,21	72,38	2799,59	10,99	1.720
8-77-P	40,21	64,34	2546,11	10,11	1.650
8-78-P	40,21	56,30	2292,58	8,98	1.566
8-79-P	40,21	40,21	2035,63	7,64	1.463
8-80-P	40,21	40,21	1785,66	6,17	1.349
8-81-P	40,21	40,21	1785,90	6,61	1.427
8-82-P	40,21	40,21	1786,22	7,21	1.539
8-83-P	40,21	40,21	1786,62	7,95	1.679
8-84-P	40,21	40,21	1787,08	8,80	1.845
8-85-P	40,21	40,21	1787,39	9,38	2.012
8-86-P	40,21	40,21	1787,46	9,50	2.168

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
8-87-P	40,21	40,21	1787,38	9,35	2.323
8-88-P	40,21	40,21	1787,27	9,15	2.495
8-89-P	40,21	40,21	1787,08	8,80	2.688
8-90-P	40,21	40,21	1786,76	8,20	2.915
8-91-P	40,21	40,21	1785,35	5,60	3.118
8-92-P	40,21	40,21	1785,51	5,89	3.214
8-93-P	40,21	40,21	1785,67	6,19	3.305
8-94-P	40,21	40,21	1785,84	6,51	3.401
8-95-P	40,21	40,21	1786,03	6,84	3.502
8-96-P	40,21	40,21	1786,17	7,12	3.596
8-97-P	40,21	40,21	1786,26	7,28	3.686
8-98-P	40,21	40,21	1786,28	7,32	3.788
8-99-P	40,21	40,21	1786,28	7,31	3.895
8-100-P	32,17	32,17	1430,19	5,78	3.364
8-101-P	16,08	16,08	715,32	2,62	3.142
9-1-P	40,21	40,21	1781,78	3,78	7.034
9-2-P	40,21	40,21	1784,75	4,48	4.141
9-3-P	40,21	40,21	1784,82	4,61	3.943
9-4-P	40,21	40,21	1784,89	4,73	3.761
9-5-P	40,21	40,21	1784,95	4,84	3.593
9-6-P	40,21	40,21	1785,02	4,98	3.438
9-7-P	40,21	40,21	1785,09	5,11	3.313
9-8-P	40,21	40,21	1785,14	5,21	3.228
9-9-P	40,21	40,21	1785,21	5,32	3.150
9-10-P	40,21	40,21	1785,27	5,44	3.071
9-11-P	40,21	40,21	1785,32	5,54	2.991
9-12-P	40,21	40,21	1785,38	5,64	2.916
9-13-P	40,21	40,21	1785,54	5,94	2.863
9-14-P	40,21	40,21	1785,72	6,28	2.817
9-15-P	40,21	40,21	1785,90	6,61	2.772
9-16-P	40,21	40,21	1786,04	6,87	2.711
9-17-P	40,21	40,21	1786,13	7,04	2.630
9-18-P	40,21	40,21	1786,20	7,16	2.538
9-19-P	40,21	40,21	1786,46	7,65	2.490
9-20-P	40,21	40,21	1786,82	8,32	2.463
9-21-P	40,21	40,21	1787,17	8,97	2.437
9-22-P	40,21	48,25	2041,89	12,20	2.752
9-23-P	40,21	64,34	2553,35	19,52	3.382
9-24-P	40,21	72,38	3066,92	29,13	3.986
9-25-P	40,21	80,42	3070,57	30,68	3.973
9-26-P	40,21	72,38	3070,67	33,21	4.016
9-27-P	40,21	56,30	3067,14	35,89	4.064
9-28-P	40,21	48,25	3065,71	38,76	4.127
9-29-P	40,21	40,21	-2994,72	-33,31	3.401
9-30-P	40,21	40,21	-2995,26	-32,72	3.300
9-31-P	40,21	40,21	-2995,40	-32,58	3.228
9-32-P	40,21	40,21	-2995,34	-32,63	3.186
9-33-P	40,21	40,21	-2995,18	-32,81	3.166
9-34-P	40,21	40,21	-2995,57	-32,39	3.189
9-35-P	40,21	40,21	-2996,24	-31,67	3.194
9-36-P	40,21	40,21	-2997,02	-30,83	3.175
9-37-P	40,21	40,21	-2997,87	-29,92	3.136
9-38-P	40,21	40,21	-2998,51	-29,23	3.099
9-39-P	40,21	40,21	-2998,64	-29,09	3.265
9-40-P	40,21	40,21	-2998,68	-29,05	3.451
9-41-P	40,21	40,21	-2998,63	-29,11	3.634
9-42-P	40,21	40,21	-2998,54	-29,20	3.837
9-43-P	40,21	40,21	-3096,73	79,26	3.354
9-44-P	40,21	40,21	-3087,77	69,25	2.755
9-45-P	40,21	40,21	-3076,33	56,49	2.187
9-46-P	40,21	40,21	-3068,69	47,96	1.820
9-47-P	40,21	40,21	-3063,75	42,45	1.578
9-48-P	40,21	40,21	-3060,39	38,70	1.407
9-49-P	40,21	40,21	-3057,67	35,65	1.274
9-50-P	40,21	40,21	-3055,69	33,45	1.182
9-51-P	40,21	40,21	-3053,87	31,42	1.102
9-52-P	40,21	40,21	-3052,41	29,78	1.038
9-53-P	40,21	40,21	-3052,11	29,45	1.037
9-54-P	40,21	40,21	-3052,73	30,15	1.088

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
9-55-P	40,21	40,21	-3053,60	31,11	1.157
9-56-P	40,21	40,21	-3054,75	32,40	1.255
9-57-P	40,21	40,21	-3056,16	33,97	1.392
9-58-P	40,21	40,21	3029,91	4,64	1.421
9-59-P	40,21	40,21	3030,61	5,42	1.340
9-60-P	40,21	40,21	3031,26	6,13	1.278
9-61-P	40,21	40,21	3031,75	6,68	1.244
9-62-P	40,21	40,21	3032,20	7,18	1.214
9-63-P	40,21	40,21	3032,65	7,67	1.185
9-64-P	40,21	40,21	3033,10	8,17	1.157
9-65-P	40,21	40,21	3033,48	8,59	1.143
9-66-P	40,21	40,21	3033,82	8,97	1.149
9-67-P	40,21	40,21	3034,22	9,42	1.156
9-68-P	40,21	40,21	3034,71	9,95	1.167
9-69-P	40,21	40,21	3035,22	10,52	1.178
9-70-P	40,21	40,21	3035,73	11,09	1.190
9-71-P	40,21	40,21	3035,99	11,38	1.227
9-72-P	40,21	40,21	3036,23	11,64	1.272
9-73-P	40,21	40,21	3036,52	11,96	1.323
9-74-P	40,21	40,21	3036,95	12,44	1.376
9-75-P	40,21	40,21	3037,50	13,05	1.432
9-76-P	40,21	40,21	3038,06	13,66	1.499
9-77-P	40,21	48,25	3043,68	14,51	1.578
9-78-P	40,21	56,30	3048,73	15,72	1.662
9-79-P	40,21	72,38	3055,95	17,21	1.756
9-80-P	40,21	80,42	3059,65	18,85	1.858
9-81-P	40,21	72,38	3059,30	20,85	1.985
9-82-P	40,21	64,34	2551,19	16,71	1.805
9-83-P	40,21	48,25	2041,78	12,04	1.574
9-84-P	40,21	40,21	1787,75	10,05	1.493
9-85-P	40,21	40,21	1788,26	11,00	1.622
9-86-P	40,21	40,21	1788,87	12,13	1.775
9-87-P	40,21	40,21	1789,62	13,51	1.962
9-88-P	40,21	40,21	1790,42	15,00	2.185
9-89-P	40,21	40,21	1790,92	15,93	2.414
9-90-P	40,21	40,21	1791,00	16,08	2.639
9-91-P	40,21	40,21	1783,12	1,46	2.792
9-92-P	40,21	40,21	1783,18	1,56	2.876
9-93-P	40,21	40,21	1783,24	1,68	2.966
9-94-P	40,21	40,21	1783,31	1,80	3.062
9-95-P	40,21	40,21	1783,39	1,94	3.157
9-96-P	40,21	40,21	1783,51	2,17	3.253
9-97-P	40,21	40,21	1783,67	2,47	3.333
9-98-P	40,21	40,21	1783,84	2,79	3.416
9-99-P	40,21	40,21	1784,05	3,17	3.511
9-100-P	40,21	40,21	1784,24	3,53	3.616
9-101-P	40,21	40,21	1784,36	3,76	3.756
9-102-P	40,21	40,21	1784,44	3,91	3.926
9-103-P	40,21	40,21	1784,53	4,08	4.115
9-104-P	24,13	24,13	1070,68	2,18	4.199
10-1-P	40,21	40,21	1781,54	2,36	6.557
10-2-P	40,21	40,21	1783,73	2,58	4.428
10-3-P	40,21	40,21	1783,74	2,60	4.202
10-4-P	40,21	40,21	1783,79	2,69	4.000
10-5-P	40,21	40,21	1783,85	2,81	3.831
10-6-P	40,21	40,21	1783,90	2,90	3.700
10-7-P	40,21	40,21	1783,93	2,95	3.595
10-8-P	40,21	40,21	1783,95	2,99	3.497
10-9-P	40,21	40,21	1783,98	3,04	3.320
10-10-P	40,21	40,21	1784,00	3,09	3.160
10-11-P	40,21	40,21	1784,03	3,14	3.021
10-12-P	40,21	40,21	1784,07	3,21	2.902
10-13-P	40,21	40,21	1784,12	3,30	2.803
10-14-P	40,21	40,21	1784,18	3,41	2.719
10-15-P	40,21	40,21	1784,29	3,62	2.634
10-16-P	40,21	40,21	1784,42	3,87	2.551
10-17-P	40,21	40,21	1784,53	4,07	2.461
10-18-P	40,21	40,21	1784,64	4,26	2.378
10-19-P	40,21	40,21	1784,73	4,45	2.301

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
10-20-P	40,21	40,21	1784,83	4,62	2.229
10-21-P	40,21	48,25	2288,65	7,62	2.780
10-22-P	40,21	64,34	2798,13	12,08	3.330
10-23-P	40,21	80,42	3056,35	15,29	3.563
10-24-P	40,21	80,42	3056,87	15,85	3.491
10-25-P	40,21	72,38	3055,19	16,38	3.421
10-26-P	40,21	56,30	3049,79	16,88	3.351
10-27-P	40,21	40,21	3041,38	17,35	3.282
10-28-P	40,21	40,21	-2983,06	-45,83	3.115
10-29-P	40,21	40,21	-2984,36	-44,43	2.943
10-30-P	40,21	40,21	-2985,04	-43,70	2.831
10-31-P	40,21	40,21	-2985,65	-43,04	2.732
10-32-P	40,21	40,21	-2986,23	-42,42	2.636
10-33-P	40,21	40,21	-2986,88	-41,72	2.535
10-34-P	40,21	40,21	-2987,91	-40,61	2.392
10-35-P	40,21	40,21	-2988,88	-39,58	2.277
10-36-P	40,21	40,21	-2989,43	-38,99	2.254
10-37-P	40,21	40,21	-2990,03	-38,34	2.233
10-38-P	40,21	40,21	-2990,58	-37,75	2.202
10-39-P	40,21	40,21	-2991,09	-37,20	2.160
10-40-P	40,21	40,21	-2990,80	-37,51	2.259
10-41-P	40,21	40,21	-2990,58	-37,75	2.363
10-42-P	40,21	40,21	-2991,00	-37,30	2.456
10-43-P	40,21	40,21	-2991,90	-36,33	2.602
10-44-P	40,21	40,21	-2993,36	-34,76	2.790
10-45-P	40,21	40,21	-2995,94	-32,00	2.974
10-46-P	40,21	40,21	-3331,60	87,22	2.966
10-47-P	40,21	40,21	-3548,23	76,35	2.302
10-48-P	40,21	48,25	-4513,70	86,58	2.324
10-49-P	40,21	48,25	-4781,69	83,30	2.016
10-50-P	40,21	56,30	-5707,49	83,53	1.934
10-51-P	40,21	56,30	-5855,90	75,80	1.681
10-52-P	40,21	48,25	-5162,02	61,55	1.315
10-53-P	40,21	48,25	-5152,88	54,20	1.211
10-54-P	40,21	48,25	-5149,07	51,14	1.182
10-55-P	40,21	56,30	-5991,52	58,12	1.386
10-56-P	40,21	48,25	-5148,81	50,92	1.331
10-57-P	40,21	56,30	-5835,60	58,98	1.747
10-58-P	40,21	56,30	4044,18	6,56	1.702
10-59-P	40,21	48,25	3929,49	7,99	1.533
10-60-P	40,21	48,25	3707,43	8,80	1.368
10-61-P	40,21	40,21	3479,40	9,10	1.219
10-62-P	40,21	40,21	3256,55	8,99	1.086
10-63-P	48,25	40,21	3631,21	10,69	1.172
10-64-P	48,25	40,21	3632,58	12,22	1.146
10-65-P	48,25	40,21	3633,75	13,52	1.120
10-66-P	48,25	40,21	3634,77	14,66	1.099
10-67-P	48,25	40,21	3635,77	15,77	1.113
10-68-P	48,25	40,21	3636,51	16,60	1.128
10-69-P	48,25	40,21	3637,18	17,34	1.142
10-70-P	48,25	40,21	3637,71	17,93	1.163
10-71-P	48,25	40,21	3638,32	18,61	1.183
10-72-P	40,21	40,21	3040,34	16,20	1.005
10-73-P	40,21	40,21	3040,82	16,73	1.048
10-74-P	40,21	40,21	3041,32	17,28	1.101
10-75-P	40,21	40,21	3041,88	17,90	1.157
10-76-P	40,21	40,21	3042,53	18,62	1.215
10-77-P	40,21	40,21	3043,22	19,38	1.276
10-78-P	40,21	40,21	3043,46	19,65	1.342
10-79-P	40,21	40,21	3043,74	19,96	1.418
10-80-P	40,21	40,21	3044,10	20,36	1.504
10-81-P	40,21	40,21	3044,77	21,10	1.602
10-82-P	40,21	56,30	3055,25	22,86	1.724
10-83-P	40,21	72,38	3063,56	25,47	1.873
10-84-P	40,21	80,42	3068,59	28,53	2.046
10-85-P	40,21	80,42	3072,03	32,26	2.254
10-86-P	40,21	64,34	2814,16	31,09	2.289
10-87-P	40,21	48,25	2299,57	23,47	2.068
10-88-P	40,21	40,21	1790,71	15,55	1.768

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
10-89-P	40,21	40,21	1791,51	17,04	1.954
10-90-P	40,21	40,21	1792,50	18,87	2.184
10-91-P	40,21	40,21	1793,76	21,20	2.476
10-92-P	40,21	40,21	1781,80	-0,98	2.588
10-93-P	40,21	40,21	1781,77	-1,02	2.668
10-94-P	40,21	40,21	1781,77	-1,02	2.740
10-95-P	40,21	40,21	1781,81	-0,95	2.837
10-96-P	40,21	40,21	1781,90	-0,79	2.968
10-97-P	40,21	40,21	1782,05	-0,53	3.135
10-98-P	40,21	40,21	1782,21	-0,23	3.315
10-99-P	40,21	40,21	1782,38	0,07	3.455
10-100-P	40,21	40,21	1782,54	0,37	3.573
10-101-P	40,21	40,21	1782,73	0,72	3.699
10-102-P	40,21	40,21	1782,93	1,10	3.832
10-103-P	40,21	40,21	1783,14	1,48	3.969
10-104-P	40,21	40,21	1783,23	1,66	4.120
10-105-P	40,21	40,21	1783,32	1,83	4.277
10-106-P	40,21	40,21	1783,43	2,02	4.443
10-107-P	24,13	24,13	1070,93	1,16	3.900
11-1-P	40,21	40,21	1783,05	1,44	5.260
11-2-P	40,21	40,21	1783,08	1,38	4.984
11-3-P	40,21	40,21	1783,07	1,36	4.760
11-4-P	40,21	40,21	1783,10	1,41	4.541
11-5-P	40,21	40,21	1783,10	1,42	4.336
11-6-P	40,21	40,21	1783,04	1,31	4.157
11-7-P	40,21	40,21	1782,99	1,21	3.991
11-8-P	40,21	40,21	1782,97	1,16	3.847
11-9-P	40,21	40,21	1782,96	1,15	3.715
11-10-P	40,21	40,21	1783,01	1,25	3.528
11-11-P	40,21	40,21	1783,10	1,42	3.361
11-12-P	40,21	40,21	1783,20	1,60	3.213
11-13-P	40,21	40,21	1783,30	1,79	3.080
11-14-P	40,21	40,21	1783,39	1,96	2.958
11-15-P	40,21	40,21	1783,43	2,03	2.802
11-16-P	40,21	40,21	1783,41	1,99	2.616
11-17-P	40,21	40,21	1783,42	2,01	2.465
11-18-P	40,21	40,21	1783,50	2,15	2.357
11-19-P	40,21	40,21	1783,62	2,38	2.280
11-20-P	40,21	40,21	2032,96	3,27	2.519
11-21-P	40,21	64,34	2793,19	6,23	3.335
11-22-P	40,21	80,42	3048,91	7,23	3.488
11-23-P	40,21	80,42	3048,57	6,86	3.347
11-24-P	40,21	80,42	3048,42	6,69	3.228
11-25-P	40,21	56,30	3040,66	6,88	3.134
11-26-P	40,21	40,21	3032,41	7,41	3.066
11-27-P	40,21	40,21	3032,94	8,00	3.015
11-28-P	40,21	40,21	3033,10	8,17	2.952
11-29-P	40,21	40,21	-2973,42	-56,18	2.748
11-30-P	40,21	40,21	-2975,33	-54,13	2.528
11-31-P	40,21	40,21	-2976,92	-52,42	2.343
11-32-P	40,21	40,21	-2978,04	-51,22	2.206
11-33-P	40,21	40,21	-2979,14	-50,03	2.078
11-34-P	40,21	40,21	-2980,42	-48,66	1.951
11-35-P	40,21	40,21	-2981,59	-47,41	1.844
11-36-P	40,21	40,21	-2982,79	-46,12	1.739
11-37-P	40,21	40,21	-2984,11	-44,70	1.634
11-38-P	40,21	40,21	-2984,43	-44,35	1.600
11-39-P	40,21	40,21	-2984,94	-43,81	1.581
11-40-P	40,21	64,34	-4744,39	-65,76	2.455
11-41-P	40,21	64,34	-4748,69	-61,07	2.474
11-42-P	40,21	64,34	-5433,26	-74,68	2.944
11-43-P	40,21	80,42	-7822,28	-113,90	4.413
11-44-P	56,30	96,51	-10759,28	-159,68	6.424
11-45-P	56,30	112,59	-13669,64	-203,04	8.813
11-46-P	56,30	120,64	-15232,25	-213,68	10.632
11-47-P	56,30	112,59	-14504,53	-192,18	11.371
11-48-P	56,30	96,51	-12471,98	-164,86	11.440
11-49-P	56,30	88,47	-12587,97	574,44	8.898
11-50-P	56,30	72,38	-10155,09	354,00	5.043

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
11-51-P	56,30	64,34	-8837,27	183,42	2.606
11-52-P	56,30	64,34	-8750,10	127,86	1.825
11-53-P	56,30	64,34	-8701,96	97,17	1.411
11-54-P	56,30	64,34	-8672,82	78,60	1.190
11-55-P	56,30	64,34	-8653,39	66,21	1.070
11-56-P	56,30	64,34	-8652,95	65,93	1.229
11-57-P	56,30	64,34	-8657,85	69,06	1.548
11-58-P	56,30	64,34	-8669,10	76,22	2.146
11-59-P	56,30	64,34	7522,83	12,29	2.616
11-60-P	56,30	72,38	7539,06	17,35	2.431
11-61-P	56,30	88,47	7560,31	22,17	2.280
11-62-P	56,30	96,51	7574,71	26,72	2.148
11-63-P	56,30	112,59	7591,55	31,24	2.039
11-64-P	56,30	120,64	7475,72	35,71	1.942
11-65-P	56,30	112,59	7201,47	37,67	1.818
11-66-P	56,30	96,51	6378,94	34,77	1.564
11-67-P	56,30	80,42	5687,82	32,03	1.380
11-68-P	56,30	64,34	4887,70	27,33	1.197
11-69-P	56,30	64,34	4258,66	23,35	1.054
11-70-P	56,30	64,34	4260,96	25,88	1.077
11-71-P	56,30	40,21	4239,46	27,83	1.108
11-72-P	56,30	40,21	4240,66	29,18	1.142
11-73-P	56,30	40,21	4241,58	30,21	1.176
11-74-P	56,30	40,21	4242,47	31,21	1.245
11-75-P	56,30	40,21	4243,48	32,33	1.324
11-76-P	40,21	40,21	3047,54	24,17	1.009
11-77-P	40,21	40,21	3048,52	25,26	1.070
11-78-P	40,21	40,21	3049,34	26,17	1.141
11-79-P	40,21	40,21	3049,89	26,77	1.225
11-80-P	40,21	40,21	3050,54	27,50	1.318
11-81-P	40,21	40,21	3051,32	28,36	1.420
11-82-P	40,21	40,21	3052,26	29,40	1.534
11-83-P	40,21	40,21	3053,44	30,71	1.660
11-84-P	40,21	40,21	3055,83	33,36	1.797
11-85-P	40,21	56,30	3067,70	36,50	1.959
11-86-P	40,21	80,42	3079,09	39,91	2.154
11-87-P	40,21	80,42	3082,49	43,58	2.384
11-88-P	40,21	80,42	3086,63	48,07	2.670
11-89-P	40,21	64,34	2826,25	45,43	2.768
11-90-P	40,21	40,21	2047,52	27,08	2.254
11-91-P	40,21	40,21	1794,69	22,94	2.199
11-92-P	40,21	40,21	1781,13	-2,18	2.389
11-93-P	40,21	40,21	1781,05	-2,33	2.480
11-94-P	40,21	40,21	1781,01	-2,40	2.596
11-95-P	40,21	40,21	1781,03	-2,36	2.739
11-96-P	40,21	40,21	1781,08	-2,28	2.874
11-97-P	40,21	40,21	1781,13	-2,17	3.011
11-98-P	40,21	40,21	1781,20	-2,05	3.165
11-99-P	40,21	40,21	1781,28	-1,90	3.335
11-100-P	40,21	40,21	1781,38	-1,74	3.523
11-101-P	40,21	40,21	1781,49	-1,53	3.686
11-102-P	40,21	40,21	1781,65	-1,24	3.816
11-103-P	40,21	40,21	1781,87	-0,85	3.928
11-104-P	40,21	40,21	1782,10	-0,44	4.048
11-105-P	40,21	40,21	1782,34	-0,01	4.177
11-106-P	40,21	40,21	1782,47	0,25	4.326
11-107-P	40,21	40,21	1782,53	0,35	4.519
11-108-P	40,21	40,21	1782,61	0,50	4.755
11-109-P	40,21	40,21	1782,64	0,68	5.089
12-1-P	40,21	40,21	1782,71	0,69	5.886
12-2-P	40,21	40,21	1782,67	0,61	5.532
12-3-P	40,21	40,21	1782,64	0,57	5.247
12-4-P	40,21	40,21	1782,63	0,54	5.011
12-5-P	40,21	40,21	1782,57	0,43	4.844
12-6-P	40,21	40,21	1782,50	0,30	4.709
12-7-P	40,21	40,21	1782,45	0,21	4.552
12-8-P	40,21	40,21	1782,43	0,17	4.382
12-9-P	40,21	40,21	1782,43	0,16	4.194
12-10-P	40,21	40,21	1782,45	0,21	3.961

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
12-11-P	40,21	40,21	1782,48	0,26	3.748
12-12-P	40,21	40,21	1782,51	0,31	3.560
12-13-P	40,21	40,21	1782,56	0,42	3.395
12-14-P	40,21	40,21	1782,65	0,57	3.248
12-15-P	40,21	40,21	1782,71	0,70	3.048
12-16-P	40,21	40,21	1782,76	0,78	2.845
12-17-P	40,21	40,21	1782,80	0,86	2.665
12-18-P	40,21	40,21	1782,84	0,94	2.509
12-19-P	40,21	40,21	1782,88	1,01	2.370
12-20-P	40,21	64,34	2789,93	2,37	3.499
12-21-P	40,21	80,42	3044,68	2,64	3.597
12-22-P	40,21	80,42	3044,52	2,47	3.433
12-23-P	40,21	80,42	3044,40	2,34	3.296
12-24-P	40,21	56,30	3036,41	2,22	3.163
12-25-P	40,21	40,21	3027,63	2,11	3.040
12-26-P	40,21	40,21	3027,47	1,94	2.950
12-27-P	40,21	40,21	3027,30	1,75	2.887
12-28-P	40,21	40,21	3026,96	1,37	2.777
12-29-P	40,21	40,21	-2962,00	-68,44	2.589
12-30-P	40,21	40,21	-2964,51	-65,75	2.363
12-31-P	40,21	40,21	-2966,62	-63,49	2.180
12-32-P	40,21	40,21	-2968,43	-61,54	2.029
12-33-P	40,21	40,21	-2970,35	-59,47	1.877
12-34-P	40,21	40,21	-2972,58	-57,08	1.714
12-35-P	40,21	40,21	-2974,77	-54,73	1.562
12-36-P	40,21	40,21	-2976,93	-52,41	1.429
12-37-P	40,21	56,30	-4150,55	-69,49	1.847
12-38-P	40,21	56,30	-4156,08	-63,48	1.702
12-39-P	40,21	56,30	-4162,88	-56,11	1.576
12-40-P	40,21	64,34	-6173,30	-97,40	2.262
12-41-P	64,34	88,47	-10420,11	-184,49	3.786
12-42-P	64,34	112,59	-14416,38	-264,57	5.277
12-43-P	64,34	112,59	-14436,85	-251,85	5.451
12-44-P	64,34	104,55	-13431,61	-230,06	5.402
12-45-P	64,34	80,42	-10372,87	-180,66	4.494
12-46-P	64,34	56,30	-7278,91	-133,14	3.441
12-47-P	64,34	56,30	-7263,91	-142,04	3.868
12-48-P	64,34	56,30	-7249,06	-150,85	4.423
12-49-P	64,34	56,30	-7234,08	-159,74	5.146
12-50-P	64,34	56,30	-7218,00	-169,28	6.362
12-51-P	64,34	56,30	-7861,39	221,41	3.772
12-52-P	64,34	56,30	-7740,23	144,67	2.320
12-53-P	64,34	56,30	-7671,40	102,24	1.595
12-54-P	64,34	56,30	-7634,46	79,77	1.246
12-55-P	64,34	56,30	-7618,54	70,09	1.155
12-56-P	64,34	56,30	-7612,13	66,20	1.217
12-57-P	64,34	56,30	-7611,87	66,04	1.409
12-58-P	64,34	56,30	-7620,97	71,57	1.865
12-59-P	64,34	56,30	8599,78	31,83	2.631
12-60-P	64,34	56,30	8608,18	37,15	2.413
12-61-P	64,34	56,30	8618,48	43,67	2.225
12-62-P	64,34	56,30	8630,12	51,04	2.061
12-63-P	64,34	56,30	8640,01	57,30	1.925
12-64-P	64,34	56,30	8640,70	57,74	1.846
12-65-P	64,34	56,30	8643,25	59,35	1.771
12-66-P	64,34	80,42	8679,82	62,23	1.706
12-67-P	64,34	104,55	8708,38	66,16	1.695
12-68-P	64,34	112,59	8723,34	71,78	1.690
12-69-P	64,34	112,59	8734,21	78,50	1.686
12-70-P	64,34	88,47	7946,95	72,27	1.591
12-71-P	64,34	64,34	6388,21	54,14	1.340
12-72-P	64,34	56,30	4857,66	35,08	1.066
12-73-P	64,34	56,30	4861,88	39,77	1.132
12-74-P	64,34	56,30	4865,61	43,91	1.216
12-75-P	64,34	40,21	4845,54	45,95	1.292
12-76-P	64,34	40,21	4847,21	47,83	1.385
12-77-P	64,34	40,21	4849,26	50,13	1.505
12-78-P	40,21	40,21	3055,42	32,90	1.030
12-79-P	40,21	40,21	3056,07	33,62	1.107

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
12-80-P	40,21	40,21	3056,99	34,65	1.195
12-81-P	40,21	40,21	3058,24	36,02	1.295
12-82-P	40,21	40,21	3059,72	37,66	1.415
12-83-P	40,21	40,21	3061,16	39,26	1.556
12-84-P	40,21	40,21	3062,16	40,38	1.716
12-85-P	40,21	40,21	3063,64	42,02	1.894
12-86-P	40,21	40,21	3066,29	44,95	2.077
12-87-P	40,21	56,30	3079,10	48,99	2.290
12-88-P	40,21	80,42	3092,04	53,93	2.550
12-89-P	40,21	80,42	3097,60	59,94	2.869
12-90-P	40,21	80,42	3104,36	67,26	3.269
12-91-P	40,21	64,34	2842,18	64,32	3.449
12-92-P	40,21	40,21	1780,93	-2,54	2.410
12-93-P	40,21	40,21	1780,92	-2,55	2.524
12-94-P	40,21	40,21	1780,92	-2,55	2.656
12-95-P	40,21	40,21	1780,93	-2,55	2.805
12-96-P	40,21	40,21	1780,93	-2,54	2.977
12-97-P	40,21	40,21	1780,96	-2,49	3.164
12-98-P	40,21	40,21	1781,00	-2,42	3.333
12-99-P	40,21	40,21	1781,06	-2,31	3.497
12-100-P	40,21	40,21	1781,13	-2,18	3.662
12-101-P	40,21	40,21	1781,21	-2,03	3.828
12-102-P	40,21	40,21	1781,31	-1,86	4.011
12-103-P	40,21	40,21	1781,41	-1,67	4.208
12-104-P	40,21	40,21	1781,56	-1,40	4.398
12-105-P	40,21	40,21	1781,76	-1,04	4.567
12-106-P	40,21	40,21	1781,94	-0,72	4.737
12-107-P	40,21	40,21	1781,96	-0,69	4.966
12-108-P	40,21	40,21	1781,98	-0,65	5.219
12-109-P	40,21	40,21	1782,00	-0,60	5.501
12-110-P	40,21	40,21	1782,05	-0,52	5.827
13-1-P	40,21	40,21	1782,52	0,33	7.081
13-2-P	40,21	40,21	1782,48	0,26	6.569
13-3-P	40,21	40,21	1782,44	0,19	6.123
13-4-P	40,21	40,21	1782,41	0,13	5.741
13-5-P	40,21	40,21	1782,36	0,03	5.493
13-6-P	40,21	40,21	1782,27	-0,13	5.329
13-7-P	40,21	40,21	1782,19	-0,27	5.174
13-8-P	40,21	40,21	1782,14	-0,36	5.009
13-9-P	40,21	40,21	1782,13	-0,38	4.828
13-10-P	40,21	40,21	1782,16	-0,32	4.618
13-11-P	40,21	40,21	1782,22	-0,21	4.395
13-12-P	40,21	40,21	1782,29	-0,08	4.180
13-13-P	40,21	40,21	1782,36	0,03	3.983
13-14-P	40,21	40,21	1782,41	0,13	3.780
13-15-P	40,21	40,21	1782,43	0,16	3.501
13-16-P	40,21	40,21	1782,45	0,20	3.253
13-17-P	40,21	40,21	1782,48	0,27	3.038
13-18-P	40,21	40,21	1782,54	0,38	2.852
13-19-P	40,21	40,21	1782,62	0,51	2.688
13-20-P	40,21	80,42	3043,45	1,31	4.250
13-21-P	40,21	80,42	3043,13	0,97	3.923
13-22-P	40,21	80,42	3042,88	0,69	3.648
13-23-P	40,21	80,42	3042,70	0,51	3.425
13-24-P	40,21	40,21	3026,05	0,36	3.246
13-25-P	40,21	40,21	3025,72	0,00	3.153
13-26-P	40,21	40,21	3025,36	-0,39	3.079
13-27-P	40,21	40,21	3025,04	-0,73	3.013
13-28-P	40,21	40,21	3024,73	-1,06	2.948
13-29-P	40,21	40,21	-2949,82	-81,53	2.697
13-30-P	40,21	40,21	-2953,48	-77,60	2.427
13-31-P	40,21	40,21	-2956,39	-74,48	2.208
13-32-P	40,21	40,21	-2958,73	-71,96	2.028
13-33-P	40,21	40,21	-2961,61	-68,87	1.832
13-34-P	40,21	40,21	-2965,34	-64,86	1.621
13-35-P	40,21	40,21	-2968,42	-61,56	1.458
13-36-P	40,21	56,30	-4140,11	-80,81	1.841
13-37-P	40,21	56,30	-4149,33	-70,81	1.630
13-38-P	40,21	56,30	-4158,27	-61,11	1.455

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
13-39-P	40,21	88,47	4448,39	-1,92	2.741
13-40-P	64,34	112,59	-14376,64	-289,26	4.079
13-41-P	64,34	112,59	-14413,49	-266,36	3.735
13-42-P	64,34	112,59	-14441,04	-249,25	3.525
13-43-P	64,34	88,47	-11414,21	-185,52	2.676
13-44-P	64,34	56,30	-7286,38	-128,70	1.823
13-45-P	64,34	56,30	-7253,68	-148,11	2.036
13-46-P	64,34	56,30	-7212,49	-172,55	2.294
13-47-P	64,34	56,30	-7160,10	-203,63	2.607
13-48-P	64,34	56,30	-7092,46	-243,77	2.993
13-49-P	64,34	56,30	-6975,29	-313,30	3.708
13-50-P	64,34	56,30	-6818,37	-406,42	4.774
13-51-P	64,34	56,30	-6604,09	-533,56	6.370
13-52-P	64,34	56,30	-7814,11	191,47	5.916
13-53-P	64,34	56,30	-7847,73	212,76	5.174
13-54-P	64,34	56,30	-7896,16	243,43	5.094
13-55-P	64,34	56,30	8355,75	-118,04	4.492
13-56-P	64,34	56,30	8490,45	-35,98	3.622
13-57-P	64,34	56,30	8567,71	11,52	3.093
13-58-P	64,34	56,30	8657,23	68,20	2.751
13-59-P	64,34	56,30	8757,71	131,83	2.506
13-60-P	64,34	56,30	8826,76	175,55	2.295
13-61-P	64,34	56,30	8824,20	173,93	2.093
13-62-P	64,34	56,30	8799,88	158,53	1.903
13-63-P	64,34	56,30	8765,83	136,97	1.718
13-64-P	64,34	56,30	8732,13	115,63	1.559
13-65-P	64,34	56,30	8710,48	101,92	1.442
13-66-P	64,34	56,30	8697,24	93,54	1.350
13-67-P	64,34	56,30	8691,66	90,01	1.325
13-68-P	64,34	56,30	8687,71	87,50	1.333
13-69-P	64,34	88,47	8724,11	84,66	1.352
13-70-P	64,34	112,59	8743,67	84,35	1.383
13-71-P	64,34	112,59	8754,79	91,22	1.440
13-72-P	64,34	112,59	8775,22	103,85	1.559
13-73-P	64,34	88,47	7204,60	83,45	1.415
13-74-P	64,34	56,30	4865,37	43,64	1.042
13-75-P	64,34	56,30	4871,29	50,21	1.144
13-76-P	64,34	56,30	4877,58	57,19	1.270
13-77-P	64,34	40,21	4858,37	60,38	1.384
13-78-P	64,34	40,21	4861,14	63,50	1.522
13-79-P	40,21	40,21	3063,13	41,45	1.050
13-80-P	40,21	40,21	3064,14	42,56	1.137
13-81-P	40,21	40,21	3065,26	43,80	1.239
13-82-P	40,21	40,21	3066,43	45,10	1.356
13-83-P	40,21	40,21	3067,59	46,39	1.482
13-84-P	40,21	40,21	3069,04	47,99	1.623
13-85-P	40,21	40,21	3070,79	49,94	1.793
13-86-P	40,21	40,21	3072,95	52,33	2.003
13-87-P	40,21	40,21	3075,44	55,08	2.250
13-88-P	40,21	40,21	3078,98	59,00	2.498
13-89-P	40,21	80,42	3102,22	64,95	2.798
13-90-P	40,21	80,42	3108,32	71,56	3.148
13-91-P	40,21	80,42	3116,14	80,02	3.598
13-92-P	40,21	80,42	3126,43	91,16	4.195
13-93-P	40,21	40,21	1781,22	-2,02	2.730
13-94-P	40,21	40,21	1781,20	-2,05	2.861
13-95-P	40,21	40,21	1781,18	-2,08	3.010
13-96-P	40,21	40,21	1781,16	-2,12	3.183
13-97-P	40,21	40,21	1781,14	-2,16	3.385
13-98-P	40,21	40,21	1781,12	-2,20	3.624
13-99-P	40,21	40,21	1781,11	-2,21	3.834
13-100-P	40,21	40,21	1781,14	-2,16	3.992
13-101-P	40,21	40,21	1781,20	-2,05	4.178
13-102-P	40,21	40,21	1781,30	-1,87	4.396
13-103-P	40,21	40,21	1781,42	-1,65	4.640
13-104-P	40,21	40,21	1781,56	-1,41	4.912
13-105-P	40,21	40,21	1781,71	-1,14	5.207
13-106-P	40,21	40,21	1781,79	-1,00	5.414
13-107-P	40,21	40,21	1781,80	-0,98	5.598

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
13-108-P	40,21	40,21	1781,78	-1,00	5.887
13-109-P	40,21	40,21	1781,76	-1,05	6.236
13-110-P	40,21	40,21	1781,74	-1,08	6.627
13-111-P	40,21	40,21	1781,73	-1,10	7.066
14-1-P	48,25	48,25	-2137,22	-0,12	10.532
14-2-P	48,25	48,25	2137,24	-0,09	10.004
14-3-P	48,25	48,25	2137,26	-0,05	9.387
14-4-P	48,25	48,25	2137,28	-0,03	8.823
14-5-P	48,25	48,25	2137,29	-0,01	8.309
14-6-P	48,25	48,25	2137,27	-0,04	7.995
14-7-P	48,25	48,25	2137,25	-0,08	7.617
14-8-P	48,25	48,25	2137,23	-0,11	7.245
14-9-P	48,25	48,25	2137,22	-0,13	6.907
14-10-P	48,25	48,25	2137,21	-0,15	6.599
14-11-P	48,25	48,25	2137,20	-0,17	6.320
14-12-P	48,25	48,25	2137,21	-0,15	6.049
14-13-P	48,25	48,25	2137,25	-0,07	5.769
14-14-P	48,25	48,25	2137,30	0,01	5.334
14-15-P	48,25	48,25	2137,33	0,07	4.928
14-16-P	48,25	48,25	2137,35	0,11	4.586
14-17-P	48,25	48,25	2137,37	0,16	4.293
14-18-P	48,25	48,25	2137,39	0,19	4.045
14-19-P	48,25	48,25	2137,41	0,22	3.825
14-20-P	48,25	96,51	3650,88	0,54	6.070
14-21-P	48,25	96,51	3650,80	0,45	5.660
14-22-P	48,25	96,51	3650,72	0,37	5.299
14-23-P	48,25	96,51	3650,65	0,29	4.977
14-24-P	48,25	48,25	3628,60	0,21	4.661
14-25-P	48,25	48,25	3628,04	-0,39	4.473
14-26-P	48,25	48,25	3627,58	-0,88	4.314
14-27-P	48,25	48,25	-3517,65	-118,98	4.110
14-28-P	48,25	48,25	-3522,93	-113,32	3.692
14-29-P	48,25	48,25	-3527,32	-108,60	3.336
14-30-P	48,25	48,25	-3530,89	-104,76	3.012
14-31-P	48,25	48,25	-3534,14	-101,27	2.743
14-32-P	48,25	48,25	-3537,20	-97,98	2.512
14-33-P	48,25	48,25	-3541,98	-92,85	2.252
14-34-P	48,25	48,25	-3547,72	-86,68	1.990
14-35-P	48,25	64,34	-4716,37	-108,38	2.366
14-36-P	48,25	64,34	-4727,65	-96,15	2.101
14-37-P	48,25	64,34	-4741,74	-80,87	1.853
14-38-P	48,25	104,55	5339,21	-1,00	3.562
14-39-P	64,34	128,68	-16374,07	-335,96	4.822
14-40-P	64,34	128,68	-16464,43	-279,46	4.192
14-41-P	64,34	128,68	-16530,02	-238,47	3.529
14-42-P	64,34	96,51	-12507,32	-156,53	2.094
14-43-P	64,34	64,34	-8404,51	-95,54	1.147
14-44-P	64,34	64,34	-8395,31	-101,15	1.076
14-45-P	64,34	64,34	-8330,63	-140,61	1.293
14-46-P	64,34	64,34	-8237,74	-196,95	1.619
14-47-P	64,34	64,34	-8088,32	-285,73	2.160
14-48-P	64,34	64,34	-7863,94	-419,06	2.830
14-49-P	64,34	64,34	-7521,58	-622,49	3.772
14-50-P	64,34	64,34	7568,49	-602,76	5.154
14-51-P	64,34	64,34	7515,88	-634,71	5.003
14-52-P	64,34	64,34	7665,13	-544,08	4.616
14-53-P	64,34	64,34	7961,70	-363,99	4.184
14-54-P	64,34	64,34	8188,22	-226,43	3.905
14-55-P	64,34	64,34	8259,05	-183,43	3.267
14-56-P	64,34	64,34	8469,58	-55,58	2.663
14-57-P	64,34	64,34	8611,24	31,60	2.453
14-58-P	64,34	64,34	8739,62	112,53	2.322
14-59-P	64,34	64,34	8865,09	191,63	2.226
14-60-P	64,34	64,34	8991,76	271,48	2.160
14-61-P	64,34	64,34	9076,13	324,67	2.069
14-62-P	64,34	64,34	8976,79	262,04	1.819
14-63-P	64,34	64,34	8902,36	215,12	1.627
14-64-P	64,34	64,34	8843,29	177,88	1.474
14-65-P	64,34	64,34	8784,04	140,53	1.270

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
14-66-P	64,34	64,34	8726,37	104,17	1.036
14-67-P	80,42	64,34	10825,25	100,27	1.102
14-68-P	80,42	64,34	10810,52	90,93	1.065
14-69-P	80,42	64,34	10812,94	92,46	1.125
14-70-P	64,34	96,51	8726,90	81,75	1.031
14-71-P	64,34	128,68	8782,29	98,91	1.286
14-72-P	64,34	128,68	8809,55	115,18	1.484
14-73-P	64,34	128,68	8836,46	131,24	1.656
14-74-P	64,34	104,55	7243,94	103,87	1.528
14-75-P	64,34	64,34	4883,49	54,46	1.137
14-76-P	64,34	64,34	4891,00	62,73	1.266
14-77-P	48,25	64,34	3686,79	52,81	1.061
14-78-P	48,25	48,25	3677,69	54,53	1.155
14-79-P	48,25	48,25	3679,37	56,39	1.270
14-80-P	48,25	48,25	3680,88	58,05	1.398
14-81-P	48,25	48,25	3682,29	59,62	1.521
14-82-P	48,25	48,25	3683,96	61,47	1.665
14-83-P	48,25	48,25	3685,93	63,64	1.840
14-84-P	48,25	48,25	3688,15	66,10	2.041
14-85-P	48,25	48,25	3690,36	68,55	2.245
14-86-P	48,25	48,25	3692,03	70,40	2.462
14-87-P	48,25	48,25	3693,71	72,26	2.717
14-88-P	48,25	48,25	3695,88	74,66	3.031
14-89-P	48,25	96,51	3725,59	81,17	3.415
14-90-P	48,25	96,51	3734,05	90,31	3.860
14-91-P	48,25	96,51	3745,06	102,19	4.439
14-92-P	48,25	96,51	3759,96	118,27	5.223
14-93-P	48,25	48,25	2163,41	48,43	3.624
14-94-P	48,25	48,25	2136,63	-1,19	4.101
14-95-P	48,25	48,25	2136,60	-1,25	4.361
14-96-P	48,25	48,25	2136,58	-1,27	4.674
14-97-P	48,25	48,25	2136,60	-1,24	5.055
14-98-P	48,25	48,25	2136,64	-1,17	5.519
14-99-P	48,25	48,25	2136,67	-1,12	5.849
14-100-P	48,25	48,25	2136,70	-1,07	6.121
14-101-P	48,25	48,25	2136,72	-1,02	6.419
14-102-P	48,25	48,25	2136,74	-0,99	6.755
14-103-P	48,25	48,25	2136,81	-0,86	7.155
14-104-P	48,25	48,25	2136,92	-0,67	7.580
14-105-P	48,25	48,25	2136,95	-0,61	7.836
14-106-P	48,25	48,25	2137,01	-0,51	8.103
14-107-P	48,25	48,25	2137,07	-0,40	8.391
14-108-P	48,25	48,25	2137,12	-0,30	8.715
14-109-P	48,25	48,25	2137,08	-0,38	9.136
14-110-P	48,25	48,25	2137,02	-0,50	9.663
14-111-P	48,25	48,25	2136,93	-0,65	10.311
15-1-P	40,21	40,21	-1782,24	-0,19	7.844
15-2-P	40,21	40,21	-1782,29	-0,09	7.771
15-3-P	40,21	40,21	-1782,34	0,00	7.705
15-4-P	40,21	40,21	-1782,38	0,08	7.639
15-5-P	40,21	40,21	-1782,45	0,20	7.425
15-6-P	40,21	40,21	-1782,51	0,31	7.156
15-7-P	40,21	40,21	-1782,56	0,41	6.901
15-8-P	40,21	40,21	-1782,56	0,42	6.631
15-9-P	40,21	40,21	-1782,54	0,38	6.365
15-10-P	40,21	40,21	-1782,51	0,32	6.116
15-11-P	40,21	40,21	-1782,46	0,22	5.882
15-12-P	40,21	40,21	-1782,39	0,09	5.665
15-13-P	40,21	40,21	-1782,31	-0,06	5.464
15-14-P	40,21	40,21	-1782,28	-0,12	5.331
15-15-P	40,21	40,21	-1782,30	-0,08	5.265
15-16-P	40,21	40,21	1782,32	-0,03	5.196
15-17-P	40,21	40,21	1782,35	0,01	4.829
15-18-P	40,21	40,21	1782,37	0,06	4.510
15-19-P	40,21	40,21	1782,39	0,10	4.229
15-20-P	40,21	80,42	3042,44	0,22	6.643
15-21-P	40,21	80,42	3042,42	0,20	6.181
15-22-P	40,21	80,42	3042,41	0,19	5.811
15-23-P	40,21	80,42	3042,42	0,20	5.512

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
15-24-P	40,21	40,21	-2912,15	-121,99	5.014
15-25-P	40,21	40,21	-2921,34	-112,12	4.467
15-26-P	40,21	40,21	-2927,57	-105,43	3.901
15-27-P	40,21	40,21	-2932,37	-100,28	3.456
15-28-P	40,21	40,21	-2936,40	-95,95	3.099
15-29-P	40,21	40,21	-2940,43	-91,61	2.790
15-30-P	40,21	40,21	-2944,38	-87,38	2.511
15-31-P	40,21	40,21	-2947,45	-84,08	2.273
15-32-P	40,21	40,21	-2949,83	-81,52	2.074
15-33-P	40,21	40,21	-2952,53	-78,62	1.889
15-34-P	40,21	40,21	-2957,86	-72,90	1.661
15-35-P	40,21	56,30	-4127,31	-94,70	2.059
15-36-P	40,21	56,30	-4137,44	-83,71	1.817
15-37-P	40,21	56,30	-4149,30	-70,84	1.601
15-38-P	40,21	88,47	-9346,41	-198,95	3.205
15-39-P	64,34	112,59	-14354,75	-302,87	4.208
15-40-P	64,34	112,59	-14428,85	-256,82	3.684
15-41-P	64,34	112,59	-14492,38	-217,34	3.134
15-42-P	64,34	88,47	-11481,25	-144,24	1.884
15-43-P	64,34	56,30	-7351,85	-89,85	1.044
15-44-P	64,34	56,30	-7336,55	-98,93	1.035
15-45-P	64,34	56,30	-7302,13	-119,36	1.132
15-46-P	64,34	56,30	-7238,51	-157,11	1.354
15-47-P	64,34	56,30	-7102,01	-238,10	1.875
15-48-P	64,34	56,30	-6894,55	-361,21	2.393
15-49-P	64,34	56,30	-6569,28	-554,22	3.210
15-50-P	64,34	56,30	8557,51	5,06	3.317
15-51-P	64,34	56,30	8541,37	-4,96	2.979
15-52-P	64,34	56,30	8530,71	-11,45	2.645
15-53-P	64,34	56,30	8524,47	-15,26	2.371
15-54-P	64,34	56,30	8518,50	-18,90	2.163
15-55-P	64,34	56,30	8512,61	-22,48	2.002
15-56-P	64,34	56,30	8506,49	-26,21	1.876
15-57-P	64,34	56,30	8507,22	-25,77	1.884
15-58-P	64,34	56,30	8517,48	-19,52	2.063
15-59-P	64,34	56,30	8529,32	-12,31	2.282
15-60-P	64,34	56,30	9086,39	339,94	2.249
15-61-P	64,34	56,30	9134,98	370,71	2.115
15-62-P	64,34	56,30	9026,72	302,16	1.841
15-63-P	64,34	56,30	8926,13	238,47	1.616
15-64-P	64,34	56,30	8842,81	185,71	1.438
15-65-P	64,34	56,30	8775,29	142,96	1.244
15-66-P	64,34	56,30	8726,28	111,92	1.046
15-67-P	80,42	56,30	10827,73	113,12	1.153
15-68-P	80,42	56,30	10797,92	94,12	1.061
15-69-P	80,42	56,30	10794,32	91,82	1.107
15-70-P	64,34	88,47	8724,17	84,70	1.052
15-71-P	64,34	112,59	8768,96	99,98	1.275
15-72-P	64,34	112,59	8795,35	116,29	1.475
15-73-P	64,34	112,59	8824,19	134,12	1.662
15-74-P	64,34	88,47	7235,53	106,70	1.547
15-75-P	64,34	56,30	4875,73	55,13	1.145
15-76-P	64,34	56,30	4882,19	62,30	1.266
15-77-P	64,34	56,30	4889,38	70,28	1.409
15-78-P	64,34	40,21	4868,74	72,05	1.524
15-79-P	40,21	40,21	3067,95	46,78	1.052
15-80-P	40,21	40,21	3069,34	48,33	1.162
15-81-P	40,21	40,21	3070,85	50,00	1.281
15-82-P	40,21	40,21	3072,25	51,56	1.395
15-83-P	40,21	40,21	3073,62	53,07	1.528
15-84-P	40,21	40,21	3075,16	54,77	1.687
15-85-P	40,21	40,21	3076,83	56,63	1.879
15-86-P	40,21	40,21	3078,37	58,33	2.073
15-87-P	40,21	40,21	3080,10	60,25	2.285
15-88-P	40,21	40,21	3083,27	63,76	2.533
15-89-P	40,21	80,42	3106,63	69,72	2.842
15-90-P	40,21	80,42	3113,31	76,96	3.212
15-91-P	40,21	80,42	3122,16	86,54	3.692
15-92-P	40,21	80,42	3134,33	99,72	4.341

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
15-93-P	40,21	40,21	1804,29	40,76	3.012
15-94-P	40,21	40,21	1807,47	46,67	3.515
15-95-P	40,21	40,21	1811,86	54,83	4.216
15-96-P	40,21	40,21	-1783,07	1,37	5.156
15-97-P	40,21	40,21	-1782,97	1,18	5.334
15-98-P	40,21	40,21	-1782,87	0,99	5.532
15-99-P	40,21	40,21	-1782,83	0,92	5.644
15-100-P	40,21	40,21	-1782,81	0,88	5.758
15-101-P	40,21	40,21	-1782,80	0,87	5.903
15-102-P	40,21	40,21	-1782,81	0,88	6.082
15-103-P	40,21	40,21	-1782,82	0,90	6.290
15-104-P	40,21	40,21	-1782,81	0,88	6.540
15-105-P	40,21	40,21	-1782,77	0,80	6.846
15-106-P	40,21	40,21	-1782,71	0,70	7.185
15-107-P	40,21	40,21	-1782,66	0,60	7.528
15-108-P	40,21	40,21	-1782,62	0,52	7.864
15-109-P	40,21	40,21	-1782,58	0,44	8.177
15-110-P	40,21	40,21	-1782,53	0,35	8.487
15-111-P	40,21	40,21	-1782,47	0,24	8.812
16-1-P	40,21	40,21	-1782,25	-0,17	7.574
16-2-P	40,21	40,21	-1782,27	-0,13	7.413
16-3-P	40,21	40,21	-1782,29	-0,10	7.268
16-4-P	40,21	40,21	-1782,31	-0,06	7.142
16-5-P	40,21	40,21	-1782,38	0,08	6.898
16-6-P	40,21	40,21	-1782,47	0,23	6.637
16-7-P	40,21	40,21	-1782,53	0,36	6.398
16-8-P	40,21	40,21	-1782,58	0,44	6.183
16-9-P	40,21	40,21	-1782,58	0,45	5.966
16-10-P	40,21	40,21	-1782,51	0,32	5.719
16-11-P	40,21	40,21	-1782,45	0,21	5.494
16-12-P	40,21	40,21	-1782,39	0,08	5.294
16-13-P	40,21	40,21	-1782,32	-0,03	5.110
16-14-P	40,21	40,21	-1782,26	-0,15	4.948
16-15-P	40,21	40,21	-1782,25	-0,17	4.916
16-16-P	40,21	40,21	-1782,22	-0,22	4.943
16-17-P	40,21	40,21	-1782,15	-0,34	5.000
16-18-P	40,21	40,21	-1782,05	-0,52	5.093
16-19-P	40,21	40,21	-1781,91	-0,79	5.227
16-20-P	40,21	80,42	3039,95	-2,41	10.172
16-21-P	40,21	80,42	3040,66	-1,66	9.557
16-22-P	40,21	80,42	3041,22	-1,06	9.000
16-23-P	40,21	80,42	3041,68	-0,58	8.497
16-24-P	40,21	40,21	-2920,93	-112,57	4.728
16-25-P	40,21	40,21	-2929,19	-103,69	4.274
16-26-P	40,21	40,21	-2935,72	-96,68	3.843
16-27-P	40,21	40,21	-2940,99	-91,02	3.379
16-28-P	40,21	40,21	-2946,09	-85,54	2.978
16-29-P	40,21	40,21	-2950,20	-81,12	2.659
16-30-P	40,21	40,21	-2953,52	-77,56	2.403
16-31-P	40,21	40,21	-2956,25	-74,62	2.191
16-32-P	40,21	40,21	-2958,38	-72,34	2.011
16-33-P	40,21	40,21	-2962,03	-68,42	1.800
16-34-P	40,21	40,21	-2965,84	-64,32	1.600
16-35-P	40,21	56,30	-4136,14	-85,12	2.014
16-36-P	40,21	56,30	-4140,22	-80,69	1.832
16-37-P	40,21	56,30	-4149,12	-71,03	1.627
16-38-P	40,21	56,30	-4157,30	-62,16	1.469
16-39-P	64,34	88,47	-9983,49	-191,51	3.175
16-40-P	64,34	112,59	-14395,79	-277,36	4.007
16-41-P	64,34	112,59	-14446,31	-245,97	3.665
16-42-P	64,34	112,59	-14463,70	-235,17	3.584
16-43-P	64,34	88,47	-11407,26	-189,80	2.836
16-44-P	64,34	56,30	-7277,22	-134,14	1.864
16-45-P	64,34	56,30	-7242,98	-154,45	1.999
16-46-P	64,34	56,30	-7207,16	-175,71	2.217
16-47-P	64,34	56,30	-7167,44	-199,28	2.522
16-48-P	64,34	56,30	8557,77	5,23	2.995
16-49-P	64,34	56,30	8526,51	-14,01	2.596
16-50-P	64,34	56,30	8499,43	-30,51	2.292

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
16-51-P	64,34	56,30	8476,72	-44,35	2.040
16-52-P	64,34	56,30	8462,31	-53,13	1.731
16-53-P	64,34	56,30	8455,60	-57,21	1.513
16-54-P	64,34	56,30	8452,50	-59,10	1.414
16-55-P	64,34	56,30	8450,84	-60,11	1.358
16-56-P	64,34	56,30	8451,77	-59,55	1.323
16-57-P	64,34	56,30	8459,63	-54,76	1.337
16-58-P	64,34	56,30	8476,12	-44,71	1.427
16-59-P	64,34	56,30	8496,84	-32,09	1.573
16-60-P	64,34	56,30	8521,63	-16,99	1.759
16-61-P	64,34	56,30	8552,53	1,91	1.996
16-62-P	64,34	56,30	8753,37	129,08	1.874
16-63-P	64,34	56,30	8727,39	112,63	1.696
16-64-P	64,34	56,30	8714,21	104,28	1.563
16-65-P	64,34	56,30	8708,15	100,45	1.458
16-66-P	64,34	56,30	8701,36	96,15	1.390
16-67-P	64,34	56,30	8692,55	90,57	1.358
16-68-P	64,34	56,30	8684,60	85,53	1.325
16-69-P	64,34	88,47	8718,05	80,89	1.294
16-70-P	64,34	112,59	8751,58	89,23	1.365
16-71-P	64,34	112,59	8767,23	98,91	1.452
16-72-P	64,34	112,59	8785,44	110,16	1.580
16-73-P	64,34	88,47	7648,83	91,01	1.507
16-74-P	64,34	56,30	4865,73	44,05	1.044
16-75-P	64,34	56,30	4870,67	49,52	1.139
16-76-P	64,34	56,30	4876,66	56,16	1.262
16-77-P	64,34	56,30	4880,72	60,66	1.383
16-78-P	64,34	40,21	4860,30	62,55	1.493
16-79-P	40,21	40,21	3062,54	40,80	1.029
16-80-P	40,21	40,21	3063,87	42,27	1.138
16-81-P	40,21	40,21	3065,07	43,59	1.246
16-82-P	40,21	40,21	3066,22	44,87	1.353
16-83-P	40,21	40,21	3067,59	46,39	1.479
16-84-P	40,21	40,21	3069,27	48,25	1.632
16-85-P	40,21	40,21	3071,36	50,57	1.822
16-86-P	40,21	40,21	3074,00	53,50	2.047
16-87-P	40,21	40,21	3077,61	57,50	2.248
16-88-P	40,21	40,21	3081,85	62,18	2.481
16-89-P	40,21	80,42	3104,87	67,82	2.776
16-90-P	40,21	80,42	3110,62	74,05	3.123
16-91-P	40,21	80,42	3118,02	82,05	3.568
16-92-P	40,21	80,42	3127,87	92,73	4.162
16-93-P	40,21	40,21	1801,93	36,38	2.806
16-94-P	40,21	40,21	1804,38	40,93	3.243
16-95-P	40,21	40,21	1807,63	46,98	3.830
16-96-P	40,21	40,21	1812,19	55,44	4.658
16-97-P	40,21	40,21	-1783,93	2,98	5.083
16-98-P	40,21	40,21	-1783,81	2,76	5.245
16-99-P	40,21	40,21	-1783,75	2,64	5.305
16-100-P	40,21	40,21	-1783,71	2,56	5.328
16-101-P	40,21	40,21	-1783,64	2,43	5.361
16-102-P	40,21	40,21	-1783,54	2,24	5.414
16-103-P	40,21	40,21	-1783,40	1,98	5.491
16-104-P	40,21	40,21	-1783,24	1,68	5.626
16-105-P	40,21	40,21	-1783,13	1,48	5.867
16-106-P	40,21	40,21	-1783,02	1,26	6.149
16-107-P	40,21	40,21	-1782,88	1,02	6.471
16-108-P	40,21	40,21	-1782,75	0,76	6.847
16-109-P	40,21	40,21	-1782,73	0,73	7.207
16-110-P	40,21	40,21	-1782,71	0,69	7.622
16-111-P	40,21	40,21	-1782,69	0,65	8.089
17-1-P	40,21	40,21	-1782,05	-0,52	7.201
17-2-P	40,21	40,21	-1782,06	-0,51	6.972
17-3-P	40,21	40,21	-1782,04	-0,54	6.772
17-4-P	40,21	40,21	-1782,01	-0,59	6.581
17-5-P	40,21	40,21	-1782,05	-0,53	6.310
17-6-P	40,21	40,21	-1782,10	-0,43	6.037
17-7-P	40,21	40,21	-1782,15	-0,34	5.804
17-8-P	40,21	40,21	-1782,20	-0,26	5.605

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
17-9-P	40,21	40,21	-1782,22	-0,21	5.430
17-10-P	40,21	40,21	-1782,19	-0,26	5.229
17-11-P	40,21	40,21	-1782,13	-0,38	5.080
17-12-P	40,21	40,21	-1782,04	-0,54	4.982
17-13-P	40,21	40,21	-1781,92	-0,76	4.930
17-14-P	40,21	40,21	-1781,77	-1,04	4.922
17-15-P	40,21	40,21	-1781,62	-1,31	4.956
17-16-P	40,21	40,21	-1781,48	-1,55	5.073
17-17-P	40,21	40,21	-1781,34	-1,81	5.204
17-18-P	40,21	40,21	-1781,18	-2,10	5.352
17-19-P	40,21	40,21	-1748,54	-61,21	5.180
17-20-P	40,21	64,34	-4238,24	-202,72	10.938
17-21-P	40,21	80,42	-5743,55	-256,38	12.566
17-22-P	40,21	80,42	-5771,64	-225,44	10.924
17-23-P	40,21	80,42	-5793,58	-201,27	9.672
17-24-P	40,21	56,30	-4096,89	-127,70	6.114
17-25-P	40,21	40,21	-2948,09	-83,39	3.977
17-26-P	40,21	40,21	-2952,89	-78,23	3.582
17-27-P	40,21	40,21	-2956,13	-74,76	3.236
17-28-P	40,21	40,21	-2958,95	-71,72	2.929
17-29-P	40,21	40,21	-2961,42	-69,08	2.656
17-30-P	40,21	40,21	-2963,60	-66,73	2.412
17-31-P	40,21	40,21	-2966,41	-63,72	2.183
17-32-P	40,21	40,21	-2969,51	-60,38	1.981
17-33-P	40,21	40,21	-2972,10	-57,60	1.811
17-34-P	40,21	40,21	-2974,46	-55,07	1.648
17-35-P	40,21	40,21	-2976,46	-52,91	1.503
17-36-P	40,21	40,21	-2977,96	-51,30	1.406
17-37-P	40,21	64,34	-4732,84	-78,36	2.114
17-38-P	40,21	64,34	-4738,71	-71,95	1.972
17-39-P	40,21	64,34	-4745,86	-64,16	1.852
17-40-P	40,21	80,42	-7681,95	-122,54	2.892
17-41-P	64,34	104,55	-12274,90	-219,26	4.476
17-42-P	64,34	128,68	8526,33	-52,98	5.736
17-43-P	64,34	128,68	8517,95	-57,89	4.958
17-44-P	64,34	112,59	8497,17	-65,01	4.313
17-45-P	64,34	88,47	8476,50	-67,35	3.796
17-46-P	64,34	64,34	8448,82	-68,19	3.301
17-47-P	64,34	64,34	8437,68	-74,95	2.827
17-48-P	64,34	64,34	8427,38	-81,21	2.446
17-49-P	64,34	64,34	8418,14	-86,82	2.141
17-50-P	64,34	64,34	8407,37	-93,36	1.852
17-51-P	64,34	64,34	8405,32	-94,60	1.553
17-52-P	64,34	64,34	8407,57	-93,24	1.311
17-53-P	64,34	64,34	8423,84	-83,36	1.076
17-54-P	88,47	88,47	11608,35	-93,94	1.196
17-55-P	88,47	88,47	11635,88	-77,23	1.082
17-56-P	88,47	88,47	11652,03	-67,42	1.143
17-57-P	88,47	64,34	11620,44	-58,27	1.266
17-58-P	64,34	64,34	8502,32	-35,70	1.074
17-59-P	64,34	64,34	8515,24	-27,86	1.331
17-60-P	64,34	64,34	8524,99	-21,94	1.530
17-61-P	64,34	64,34	8533,86	-16,55	1.762
17-62-P	64,34	64,34	8636,41	47,46	2.053
17-63-P	64,34	64,34	8641,35	50,58	1.895
17-64-P	64,34	64,34	8643,37	51,85	1.816
17-65-P	64,34	64,34	8647,49	54,45	1.754
17-66-P	64,34	88,47	8680,60	57,54	1.708
17-67-P	64,34	112,59	8705,53	60,77	1.703
17-68-P	64,34	128,68	8727,00	65,90	1.702
17-69-P	64,34	128,68	8740,10	73,72	1.714
17-70-P	64,34	104,55	7955,89	69,52	1.602
17-71-P	64,34	80,42	6402,85	52,87	1.335
17-72-P	64,34	64,34	4865,12	34,20	1.059
17-73-P	64,34	64,34	4869,20	38,69	1.131
17-74-P	64,34	64,34	4873,21	43,11	1.216
17-75-P	64,34	40,21	4845,76	46,20	1.291
17-76-P	64,34	40,21	4847,57	48,23	1.377
17-77-P	64,34	40,21	4849,06	49,91	1.491

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
17-78-P	40,21	40,21	3055,13	32,58	1.031
17-79-P	40,21	40,21	3056,28	33,86	1.125
17-80-P	40,21	40,21	3057,46	35,16	1.210
17-81-P	40,21	40,21	3058,74	36,59	1.304
17-82-P	40,21	40,21	3060,04	38,02	1.416
17-83-P	40,21	40,21	3061,33	39,46	1.553
17-84-P	40,21	40,21	3062,62	40,88	1.724
17-85-P	40,21	40,21	3064,66	43,14	1.895
17-86-P	40,21	40,21	3067,54	46,34	2.065
17-87-P	40,21	56,30	3080,33	50,34	2.276
17-88-P	40,21	80,42	3093,23	55,21	2.534
17-89-P	40,21	80,42	3098,67	61,10	2.847
17-90-P	40,21	80,42	3105,18	68,15	3.240
17-91-P	40,21	64,34	2842,54	64,76	3.416
17-92-P	40,21	40,21	1798,17	29,39	2.455
17-93-P	40,21	40,21	1799,79	32,41	2.789
17-94-P	40,21	40,21	1801,93	36,39	3.227
17-95-P	40,21	40,21	1804,87	41,84	3.829
17-96-P	40,21	40,21	1809,18	49,86	4.713
17-97-P	40,21	40,21	-1784,42	3,90	4.984
17-98-P	40,21	40,21	-1784,26	3,59	5.002
17-99-P	40,21	40,21	-1784,10	3,30	5.041
17-100-P	40,21	40,21	-1783,92	2,96	5.111
17-101-P	40,21	40,21	-1783,73	2,60	5.185
17-102-P	40,21	40,21	-1783,53	2,22	5.269
17-103-P	40,21	40,21	-1783,31	1,82	5.361
17-104-P	40,21	40,21	-1783,09	1,41	5.463
17-105-P	40,21	40,21	-1782,96	1,16	5.658
17-106-P	40,21	40,21	-1782,89	1,03	5.935
17-107-P	40,21	40,21	-1782,86	0,98	6.292
17-108-P	40,21	40,21	-1782,85	0,96	6.719
17-109-P	40,21	40,21	-1782,84	0,93	7.202
17-110-P	40,21	40,21	-1782,82	0,90	7.740
18-1-P	40,21	40,21	-1781,23	-1,89	7.220
18-2-P	40,21	40,21	-1781,33	-1,82	6.867
18-3-P	40,21	40,21	-1781,33	-1,83	6.611
18-4-P	40,21	40,21	-1781,29	-1,90	6.386
18-5-P	40,21	40,21	-1781,31	-1,87	6.121
18-6-P	40,21	40,21	-1781,37	-1,76	5.843
18-7-P	40,21	40,21	-1781,42	-1,66	5.586
18-8-P	40,21	40,21	-1781,45	-1,62	5.330
18-9-P	40,21	40,21	-1781,42	-1,66	5.092
18-10-P	40,21	40,21	-1781,33	-1,83	5.009
18-11-P	40,21	40,21	-1781,21	-2,05	5.024
18-12-P	40,21	40,21	-1781,07	-2,30	5.039
18-13-P	40,21	40,21	-1780,94	-2,54	5.052
18-14-P	40,21	40,21	-1780,79	-2,81	5.065
18-15-P	40,21	40,21	-1780,64	-3,08	5.085
18-16-P	40,21	40,21	-1780,40	-3,52	5.243
18-17-P	40,21	40,21	-1780,04	-4,17	5.483
18-18-P	40,21	40,21	-1753,14	-52,88	5.099
18-19-P	40,21	40,21	-1756,19	-47,36	4.532
18-20-P	40,21	40,21	-1996,10	-55,51	4.618
18-21-P	40,21	64,34	-4289,54	-141,80	8.729
18-22-P	40,21	80,42	-5813,54	-179,29	10.259
18-23-P	40,21	80,42	-5833,35	-157,47	9.065
18-24-P	40,21	80,42	-5847,84	-141,51	8.188
18-25-P	40,21	56,30	-4129,79	-92,00	5.319
18-26-P	40,21	40,21	-2967,47	-62,57	3.513
18-27-P	40,21	40,21	-2969,44	-60,45	3.235
18-28-P	40,21	40,21	-2970,62	-59,18	2.984
18-29-P	40,21	40,21	-2971,95	-57,76	2.765
18-30-P	40,21	40,21	-2974,24	-55,30	2.563
18-31-P	40,21	40,21	-2976,41	-52,96	2.366
18-32-P	40,21	40,21	-2978,40	-50,83	2.178
18-33-P	40,21	40,21	-2980,20	-48,90	2.001
18-34-P	40,21	40,21	-2981,46	-47,54	1.874
18-35-P	40,21	40,21	-2982,07	-46,89	1.816
18-36-P	40,21	40,21	-2982,83	-46,07	1.747

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
18-37-P	40,21	40,21	-2983,68	-45,16	1.674
18-38-P	40,21	40,21	-2984,41	-44,38	1.634
18-39-P	40,21	40,21	-2985,61	-43,09	1.598
18-40-P	40,21	40,21	-2988,21	-40,29	1.558
18-41-P	40,21	72,38	3017,52	-23,83	2.002
18-42-P	40,21	72,38	3452,09	-31,26	1.972
18-43-P	40,21	96,51	3997,21	-42,04	2.003
18-44-P	40,21	112,59	4428,21	-51,58	1.928
18-45-P	64,34	128,68	7745,35	-100,63	2.908
18-46-P	64,34	136,72	8249,69	-115,13	2.721
18-47-P	64,34	120,64	8408,79	-119,47	2.457
18-48-P	64,34	104,55	8406,30	-117,18	2.138
18-49-P	64,34	96,51	8403,26	-115,47	1.868
18-50-P	64,34	80,42	8395,49	-111,62	1.618
18-51-P	64,34	72,38	8398,52	-104,63	1.393
18-52-P	64,34	72,38	8424,03	-89,19	1.150
18-53-P	96,51	72,38	12615,01	-101,85	1.377
18-54-P	96,51	96,51	12695,97	-81,88	1.189
18-55-P	96,51	96,51	12718,90	-67,96	1.076
18-56-P	96,51	96,51	12723,40	-65,23	1.187
18-57-P	96,51	72,38	12678,11	-63,20	1.377
18-58-P	64,34	72,38	8503,68	-40,96	1.128
18-59-P	64,34	72,38	8505,62	-39,79	1.413
18-60-P	64,34	80,42	8515,92	-38,90	1.587
18-61-P	64,34	96,51	8532,41	-37,84	1.810
18-62-P	64,34	104,55	8540,66	-36,58	2.100
18-63-P	64,34	120,64	8668,46	33,66	2.328
18-64-P	64,34	136,72	8505,93	38,91	2.208
18-65-P	64,34	128,68	7964,44	40,17	2.010
18-66-P	64,34	112,59	7232,42	38,05	1.775
18-67-P	64,34	96,51	6501,67	35,44	1.579
18-68-P	64,34	72,38	5582,68	30,15	1.364
18-69-P	64,34	72,38	4864,40	25,76	1.197
18-70-P	64,34	40,21	4829,93	28,39	1.215
18-71-P	64,34	40,21	4832,23	30,97	1.263
18-72-P	64,34	40,21	4834,00	32,97	1.311
18-73-P	64,34	40,21	4835,09	34,19	1.363
18-74-P	64,34	40,21	4836,11	35,34	1.437
18-75-P	64,34	40,21	4837,29	36,67	1.516
18-76-P	40,21	40,21	3047,41	24,03	1.009
18-77-P	40,21	40,21	3048,27	24,98	1.067
18-78-P	40,21	40,21	3049,02	25,81	1.130
18-79-P	40,21	40,21	3049,79	26,67	1.206
18-80-P	40,21	40,21	3050,62	27,59	1.300
18-81-P	40,21	40,21	3051,60	28,67	1.410
18-82-P	40,21	40,21	3052,79	29,99	1.540
18-83-P	40,21	40,21	3054,47	31,85	1.674
18-84-P	40,21	40,21	3056,72	34,34	1.803
18-85-P	40,21	56,30	3068,37	37,24	1.957
18-86-P	40,21	80,42	3079,60	40,46	2.143
18-87-P	40,21	80,42	3082,87	43,99	2.366
18-88-P	40,21	80,42	3086,83	48,28	2.642
18-89-P	40,21	64,34	2826,22	45,40	2.730
18-90-P	40,21	40,21	2047,53	27,09	2.227
18-91-P	40,21	40,21	1794,80	23,14	2.191
18-92-P	40,21	40,21	1796,36	26,03	2.491
18-93-P	40,21	40,21	1798,05	29,18	2.860
18-94-P	40,21	40,21	1800,00	32,80	3.330
18-95-P	40,21	40,21	1802,33	37,12	3.934
18-96-P	40,21	40,21	1804,18	40,55	4.590
18-97-P	40,21	40,21	1805,67	43,32	5.336
18-98-P	40,21	40,21	-1783,76	2,66	5.370
18-99-P	40,21	40,21	-1783,55	2,26	5.392
18-100-P	40,21	40,21	-1783,37	1,92	5.420
18-101-P	40,21	40,21	-1783,19	1,58	5.449
18-102-P	40,21	40,21	-1782,98	1,19	5.481
18-103-P	40,21	40,21	-1782,73	0,74	5.514
18-104-P	40,21	40,21	-1782,46	0,22	5.544
18-105-P	40,21	40,21	-1782,35	0,01	5.639

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
18-106-P	40,21	40,21	-1782,34	-0,01	5.824
18-107-P	40,21	40,21	-1782,30	-0,07	6.070
18-108-P	40,21	40,21	-1782,24	-0,18	6.393
18-109-P	40,21	40,21	-1782,09	-0,34	6.875
19-1-P	40,21	40,21	-1778,12	-3,89	10.045
19-2-P	40,21	40,21	-1779,94	-4,34	6.923
19-3-P	40,21	40,21	-1779,92	-4,39	6.661
19-4-P	40,21	40,21	-1779,88	-4,46	6.410
19-5-P	40,21	40,21	-1779,83	-4,54	6.144
19-6-P	40,21	40,21	-1779,88	-4,46	5.801
19-7-P	40,21	40,21	-1779,95	-4,33	5.467
19-8-P	40,21	40,21	-1780,01	-4,22	5.170
19-9-P	40,21	40,21	-1780,06	-4,13	4.903
19-10-P	40,21	40,21	-1780,06	-4,13	4.741
19-11-P	40,21	40,21	-1779,89	-4,44	4.773
19-12-P	40,21	40,21	-1779,60	-4,96	4.875
19-13-P	40,21	40,21	-1779,21	-5,67	5.026
19-14-P	40,21	40,21	-1778,69	-6,61	5.237
19-15-P	40,21	40,21	-1778,10	-7,69	5.478
19-16-P	40,21	40,21	-1777,45	-8,87	5.771
19-17-P	40,21	40,21	-1758,02	-44,05	5.179
19-18-P	40,21	40,21	-1760,73	-39,13	4.540
19-19-P	40,21	40,21	-1762,83	-35,33	4.048
19-20-P	40,21	40,21	-1764,49	-32,32	3.659
19-21-P	40,21	48,25	-2687,27	-58,36	5.107
19-22-P	40,21	64,34	-4321,93	-103,33	7.515
19-23-P	40,21	80,42	-5851,54	-137,43	9.310
19-24-P	40,21	80,42	-5862,22	-125,68	8.570
19-25-P	40,21	72,38	-5296,77	-104,30	7.160
19-26-P	40,21	56,30	-4145,11	-75,38	5.209
19-27-P	40,21	40,21	-2978,44	-50,79	3.508
19-28-P	40,21	40,21	-2980,58	-48,49	3.314
19-29-P	40,21	40,21	-2982,45	-46,48	3.107
19-30-P	40,21	40,21	-2983,97	-44,85	2.896
19-31-P	40,21	40,21	-2985,18	-43,55	2.700
19-32-P	40,21	40,21	-2986,22	-42,43	2.530
19-33-P	40,21	40,21	-2986,98	-41,61	2.443
19-34-P	40,21	40,21	-2987,63	-40,92	2.401
19-35-P	40,21	40,21	-2988,32	-40,17	2.351
19-36-P	40,21	40,21	-2989,02	-39,42	2.291
19-37-P	40,21	40,21	-2989,63	-38,77	2.237
19-38-P	40,21	40,21	-2990,25	-38,10	2.195
19-39-P	40,21	40,21	2999,83	-27,66	2.016
19-40-P	40,21	40,21	3000,87	-26,56	1.744
19-41-P	40,21	40,21	3001,57	-25,81	1.538
19-42-P	40,21	40,21	3002,04	-25,31	1.375
19-43-P	40,21	40,21	3003,00	-24,29	1.199
19-44-P	40,21	40,21	3004,00	-23,21	1.045
19-45-P	56,30	40,21	4185,66	-31,23	1.292
19-46-P	56,30	40,21	4489,96	-34,65	1.234
19-47-P	56,30	40,21	4794,45	-37,55	1.168
19-48-P	56,30	48,25	5108,05	-40,89	1.121
19-49-P	56,30	48,25	5411,93	-43,99	1.068
19-50-P	72,38	56,30	7142,35	-55,09	1.259
19-51-P	72,38	56,30	7341,23	-53,85	1.182
19-52-P	72,38	48,25	7526,03	-52,62	1.123
19-53-P	72,38	48,25	7533,25	-47,04	1.061
19-54-P	72,38	40,21	7519,79	-44,70	1.045
19-55-P	72,38	48,25	7537,50	-43,75	1.056
19-56-P	72,38	48,25	7538,54	-42,95	1.130
19-57-P	72,38	56,30	7357,79	-40,76	1.205
19-58-P	56,30	56,30	5591,06	-30,61	1.007
19-59-P	56,30	48,25	5429,75	-29,16	1.081
19-60-P	56,30	48,25	5125,44	-25,56	1.120
19-61-P	56,30	40,21	4810,92	-22,03	1.167
19-62-P	56,30	40,21	4505,85	-18,66	1.231
19-63-P	56,30	40,21	4200,33	-15,39	1.292
19-64-P	56,30	40,21	4227,34	14,28	1.333
19-65-P	56,30	40,21	4228,79	15,89	1.295

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
19-66-P	56,30	40,21	4230,02	17,28	1.287
19-67-P	56,30	40,21	4230,95	18,32	1.297
19-68-P	56,30	40,21	4231,53	18,96	1.305
19-69-P	56,30	40,21	4232,13	19,64	1.313
19-70-P	56,30	40,21	4232,79	20,37	1.348
19-71-P	56,30	40,21	4233,46	21,12	1.389
19-72-P	40,21	40,21	3039,89	15,70	1.023
19-73-P	40,21	40,21	3040,41	16,27	1.052
19-74-P	40,21	40,21	3040,94	16,86	1.092
19-75-P	40,21	40,21	3041,51	17,49	1.143
19-76-P	40,21	40,21	3042,12	18,17	1.202
19-77-P	40,21	40,21	3042,80	18,92	1.268
19-78-P	40,21	40,21	3043,55	19,75	1.341
19-79-P	40,21	40,21	3044,39	20,68	1.425
19-80-P	40,21	40,21	3045,38	21,78	1.523
19-81-P	40,21	40,21	3046,78	23,33	1.627
19-82-P	40,21	56,30	3057,47	25,29	1.751
19-83-P	40,21	72,38	3065,45	27,53	1.892
19-84-P	40,21	80,42	3070,06	30,12	2.055
19-85-P	40,21	80,42	3072,87	33,17	2.246
19-86-P	40,21	64,34	2814,26	31,22	2.261
19-87-P	40,21	48,25	2299,50	23,38	2.035
19-88-P	40,21	40,21	1790,68	15,50	1.744
19-89-P	40,21	40,21	1791,51	17,03	1.934
19-90-P	40,21	40,21	1792,54	18,93	2.170
19-91-P	40,21	40,21	1793,85	21,37	2.472
19-92-P	40,21	40,21	1795,30	24,07	2.837
19-93-P	40,21	40,21	1796,35	26,02	3.211
19-94-P	40,21	40,21	1796,65	26,58	3.571
19-95-P	40,21	40,21	1796,84	26,93	4.001
19-96-P	40,21	40,21	1796,81	26,87	4.468
19-97-P	40,21	40,21	1796,35	26,01	4.909
19-98-P	40,21	40,21	1795,61	24,65	5.362
19-99-P	40,21	40,21	-1782,18	-0,29	5.666
19-100-P	40,21	40,21	-1781,94	-0,73	5.710
19-101-P	40,21	40,21	-1781,64	-1,27	5.754
19-102-P	40,21	40,21	-1781,33	-1,83	5.798
19-103-P	40,21	40,21	-1781,06	-2,33	5.849
19-104-P	40,21	40,21	-1780,96	-2,50	5.962
19-105-P	40,21	40,21	-1780,92	-2,57	6.120
19-106-P	40,21	40,21	-1780,86	-2,69	6.303
19-107-P	24,13	24,13	-1069,55	-1,37	5.384
20-1-P	40,21	40,21	-1776,10	-6,58	11.235
20-2-P	40,21	40,21	-1778,22	-7,46	6.689
20-3-P	40,21	40,21	-1778,20	-7,50	6.364
20-4-P	40,21	40,21	-1778,18	-7,54	6.069
20-5-P	40,21	40,21	-1778,14	-7,61	5.793
20-6-P	40,21	40,21	-1778,10	-7,68	5.520
20-7-P	40,21	40,21	-1778,05	-7,77	5.292
20-8-P	40,21	40,21	-1777,96	-7,93	5.102
20-9-P	40,21	40,21	-1777,84	-8,15	4.942
20-10-P	40,21	40,21	-1777,37	-9,00	5.046
20-11-P	40,21	40,21	-1776,86	-9,92	5.168
20-12-P	40,21	40,21	-1776,31	-10,91	5.308
20-13-P	40,21	40,21	-1775,72	-11,99	5.466
20-14-P	40,21	40,21	-1775,08	-13,15	5.643
20-15-P	40,21	40,21	-1774,35	-14,46	5.856
20-16-P	40,21	40,21	-1762,70	-35,58	5.491
20-17-P	40,21	40,21	-1764,56	-32,20	4.872
20-18-P	40,21	40,21	-1765,98	-29,62	4.428
20-19-P	40,21	40,21	-1767,09	-27,62	4.084
20-20-P	40,21	40,21	-1768,04	-25,89	3.787
20-21-P	40,21	40,21	-1768,88	-24,38	3.528
20-22-P	40,21	48,25	-2408,05	-35,83	4.474
20-23-P	40,21	64,34	-3961,66	-67,38	6.790
20-24-P	40,21	72,38	-5303,80	-96,60	8.360
20-25-P	40,21	80,42	-5886,18	-99,28	8.745
20-26-P	40,21	72,38	-5315,63	-83,63	7.522
20-27-P	40,21	56,30	-4158,32	-61,05	5.611

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
20-28-P	40,21	48,25	-3576,18	-49,04	4.607
20-29-P	40,21	40,21	-2990,02	-38,36	3.683
20-30-P	40,21	40,21	-2992,04	-36,18	3.499
20-31-P	40,21	40,21	-2993,61	-34,49	3.304
20-32-P	40,21	40,21	-2994,70	-33,32	3.253
20-33-P	40,21	40,21	-2995,09	-32,90	3.238
20-34-P	40,21	40,21	2988,78	-39,47	2.895
20-35-P	40,21	40,21	2991,55	-36,51	2.522
20-36-P	40,21	40,21	2993,69	-34,23	2.235
20-37-P	40,21	40,21	2995,42	-32,38	2.001
20-38-P	40,21	40,21	2997,38	-30,28	1.746
20-39-P	40,21	40,21	2999,06	-28,49	1.535
20-40-P	40,21	40,21	3000,39	-27,07	1.374
20-41-P	40,21	40,21	3001,42	-25,97	1.247
20-42-P	40,21	40,21	3002,59	-24,72	1.126
20-43-P	40,21	40,21	3003,94	-23,27	1.004
20-44-P	56,30	40,21	4186,20	-30,64	1.255
20-45-P	56,30	40,21	4187,52	-29,22	1.144
20-46-P	56,30	40,21	4188,87	-27,76	1.057
20-47-P	72,38	40,21	5360,83	-33,93	1.259
20-48-P	72,38	40,21	5362,05	-32,59	1.179
20-49-P	72,38	40,21	5363,24	-31,29	1.117
20-50-P	72,38	40,21	5364,57	-29,84	1.067
20-51-P	72,38	40,21	5365,53	-28,80	1.033
20-52-P	72,38	40,21	5366,13	-28,14	1.013
20-53-P	72,38	40,21	5366,30	-27,96	1.017
20-54-P	72,38	40,21	5366,19	-28,08	1.039
20-55-P	72,38	40,21	5365,92	-28,37	1.074
20-56-P	72,38	40,21	5365,56	-28,76	1.125
20-57-P	72,38	40,21	5365,22	-29,14	1.188
20-58-P	72,38	40,21	5364,91	-29,47	1.266
20-59-P	56,30	40,21	4193,04	-23,26	1.067
20-60-P	56,30	40,21	4192,97	-23,33	1.163
20-61-P	56,30	40,21	4192,93	-23,38	1.272
20-62-P	40,21	40,21	3009,96	-16,84	1.009
20-63-P	40,21	40,21	3009,87	-16,94	1.127
20-64-P	40,21	40,21	3032,89	7,94	1.153
20-65-P	40,21	40,21	3033,25	8,34	1.158
20-66-P	40,21	40,21	3033,63	8,76	1.161
20-67-P	40,21	40,21	3034,01	9,18	1.163
20-68-P	40,21	40,21	3034,40	9,61	1.165
20-69-P	40,21	40,21	3034,78	10,03	1.176
20-70-P	40,21	40,21	3035,16	10,45	1.207
20-71-P	40,21	40,21	3035,54	10,88	1.239
20-72-P	40,21	40,21	3035,92	11,30	1.271
20-73-P	40,21	40,21	3036,32	11,74	1.304
20-74-P	40,21	40,21	3036,74	12,21	1.346
20-75-P	40,21	40,21	3037,29	12,81	1.413
20-76-P	40,21	40,21	3038,09	13,70	1.492
20-77-P	40,21	48,25	3044,07	14,93	1.573
20-78-P	40,21	56,30	3049,33	16,38	1.659
20-79-P	40,21	72,38	3056,68	18,00	1.755
20-80-P	40,21	80,42	3060,50	19,78	1.864
20-81-P	40,21	72,38	3060,09	21,71	2.000
20-82-P	40,21	64,34	2551,41	17,00	1.809
20-83-P	40,21	48,25	2041,80	12,06	1.571
20-84-P	40,21	40,21	1787,76	10,06	1.489
20-85-P	40,21	40,21	1788,31	11,09	1.619
20-86-P	40,21	40,21	1788,96	12,30	1.775
20-87-P	40,21	40,21	1789,72	13,70	1.966
20-88-P	40,21	40,21	1790,45	15,06	2.199
20-89-P	40,21	40,21	1790,91	15,92	2.434
20-90-P	40,21	40,21	1791,05	16,18	2.660
20-91-P	40,21	40,21	1791,13	16,32	2.913
20-92-P	40,21	40,21	1791,16	16,39	3.200
20-93-P	40,21	40,21	1791,04	16,15	3.505
20-94-P	40,21	40,21	1790,45	15,07	3.807
20-95-P	40,21	40,21	1789,59	13,47	4.104
20-96-P	40,21	40,21	1788,67	11,75	4.392

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
20-97-P	40,21	40,21	1787,62	9,81	4.702
20-98-P	40,21	40,21	1786,42	7,57	5.055
20-99-P	40,21	40,21	1785,01	4,95	5.454
20-100-P	40,21	40,21	1783,70	2,53	5.788
20-101-P	40,21	40,21	1782,86	0,97	6.107
20-102-P	40,21	40,21	1782,08	-0,46	6.452
20-103-P	40,21	40,21	-1778,57	-6,83	6.748
20-104-P	24,13	24,13	-1067,55	-3,55	6.645
21-1-P	32,17	32,17	-1419,11	-8,75	10.718
21-2-P	32,17	32,17	-1421,66	-9,82	5.725
21-3-P	40,21	40,21	-1775,28	-12,79	6.523
21-4-P	40,21	40,21	-1775,08	-13,15	6.248
21-5-P	40,21	40,21	-1774,90	-13,47	5.994
21-6-P	40,21	40,21	-1774,75	-13,74	5.757
21-7-P	40,21	40,21	-1774,62	-13,99	5.559
21-8-P	40,21	40,21	-1774,19	-14,76	5.559
21-9-P	40,21	40,21	-1773,53	-15,95	5.704
21-10-P	40,21	40,21	-1772,83	-17,22	5.859
21-11-P	40,21	40,21	-1772,05	-18,64	6.037
21-12-P	40,21	40,21	-1771,21	-20,15	6.229
21-13-P	40,21	40,21	-1770,30	-21,80	6.439
21-14-P	40,21	40,21	-1769,35	-23,53	6.656
21-15-P	40,21	40,21	-1767,69	-26,54	6.356
21-16-P	40,21	40,21	-1767,71	-26,49	5.869
21-17-P	40,21	40,21	-1768,11	-25,78	5.390
21-18-P	40,21	40,21	-1768,77	-24,58	4.936
21-19-P	40,21	40,21	-1769,63	-23,01	4.512
21-20-P	40,21	40,21	-1770,55	-21,35	4.132
21-21-P	40,21	40,21	-1771,33	-19,94	3.811
21-22-P	40,21	40,21	-1771,94	-18,84	3.631
21-23-P	40,21	40,21	-2016,26	-23,41	4.002
21-24-P	40,21	56,30	-3147,40	-38,54	5.999
21-25-P	40,21	64,34	2466,19	-91,06	6.236
21-26-P	40,21	72,38	2706,65	-96,00	5.982
21-27-P	40,21	80,42	2945,59	-100,81	5.767
21-28-P	40,21	72,38	2953,64	-91,21	5.177
21-29-P	40,21	56,30	2959,02	-79,92	4.636
21-30-P	40,21	48,25	2974,68	-59,41	4.025
21-31-P	40,21	40,21	2973,88	-55,40	3.530
21-32-P	40,21	40,21	2977,77	-51,24	3.087
21-33-P	40,21	40,21	2981,90	-46,83	2.682
21-34-P	40,21	40,21	2985,72	-42,74	2.335
21-35-P	40,21	40,21	2988,80	-39,46	2.066
21-36-P	40,21	40,21	2991,31	-36,78	1.851
21-37-P	40,21	40,21	2993,49	-34,44	1.668
21-38-P	40,21	40,21	2995,57	-32,22	1.496
21-39-P	40,21	40,21	2997,33	-30,34	1.351
21-40-P	40,21	40,21	2998,75	-28,82	1.234
21-41-P	40,21	40,21	2999,85	-27,65	1.143
21-42-P	40,21	40,21	3000,82	-26,61	1.066
21-43-P	56,30	40,21	4181,59	-35,62	1.390
21-44-P	56,30	40,21	4182,99	-34,10	1.299
21-45-P	56,30	40,21	4184,30	-32,69	1.215
21-46-P	56,30	40,21	4185,45	-31,45	1.141
21-47-P	56,30	40,21	4186,37	-30,46	1.083
21-48-P	56,30	40,21	4186,75	-30,05	1.059
21-49-P	56,30	40,21	4186,95	-29,84	1.049
21-50-P	56,30	40,21	4187,18	-29,59	1.040
21-51-P	56,30	40,21	4187,43	-29,31	1.031
21-52-P	56,30	40,21	4187,71	-29,01	1.023
21-53-P	56,30	40,21	4187,77	-28,95	1.032
21-54-P	56,30	40,21	4187,45	-29,30	1.069
21-55-P	56,30	40,21	4187,07	-29,70	1.110
21-56-P	56,30	40,21	4186,67	-30,13	1.156
21-57-P	56,30	40,21	4186,21	-30,63	1.209
21-58-P	56,30	40,21	4185,71	-31,17	1.283
21-59-P	56,30	40,21	4185,19	-31,74	1.378
21-60-P	40,21	40,21	3004,02	-23,19	1.061
21-61-P	40,21	40,21	3003,59	-23,65	1.145

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
21-62-P	40,21	40,21	3003,09	-24,18	1.243
21-63-P	40,21	40,21	3002,47	-24,85	1.364
21-64-P	40,21	40,21	3030,14	4,90	1.403
21-65-P	40,21	40,21	3030,44	5,22	1.408
21-66-P	40,21	40,21	3030,64	5,44	1.412
21-67-P	40,21	40,21	3030,74	5,56	1.416
21-68-P	40,21	40,21	3030,84	5,67	1.419
21-69-P	40,21	40,21	3030,99	5,84	1.430
21-70-P	40,21	40,21	3031,30	6,17	1.464
21-71-P	40,21	40,21	3031,82	6,75	1.509
21-72-P	40,21	48,25	3037,40	7,59	1.559
21-73-P	40,21	56,30	3042,28	8,65	1.614
21-74-P	40,21	72,38	3049,14	9,80	1.675
21-75-P	40,21	80,42	3052,40	11,00	1.764
21-76-P	40,21	72,38	2799,19	10,52	1.712
21-77-P	40,21	64,34	2545,85	9,77	1.646
21-78-P	40,21	56,30	2292,44	8,77	1.564
21-79-P	40,21	40,21	1993,96	7,40	1.433
21-80-P	40,21	40,21	1785,68	6,20	1.349
21-81-P	40,21	40,21	1785,99	6,77	1.441
21-82-P	40,21	40,21	1786,36	7,46	1.561
21-83-P	40,21	40,21	1786,80	8,28	1.703
21-84-P	40,21	40,21	1787,26	9,14	1.863
21-85-P	40,21	40,21	1787,57	9,71	2.022
21-86-P	40,21	40,21	1787,66	9,88	2.169
21-87-P	40,21	40,21	1787,59	9,74	2.321
21-88-P	40,21	40,21	1787,36	9,32	2.497
21-89-P	40,21	40,21	1787,07	8,78	2.697
21-90-P	40,21	40,21	1786,71	8,12	2.926
21-91-P	40,21	40,21	1786,25	7,26	3.151
21-92-P	40,21	40,21	1785,67	6,18	3.357
21-93-P	40,21	40,21	1784,98	4,90	3.539
21-94-P	40,21	40,21	1784,13	3,33	3.732
21-95-P	40,21	40,21	1783,16	1,52	3.953
21-96-P	40,21	40,21	1782,02	-0,57	4.207
21-97-P	40,21	40,21	1780,91	-2,58	4.491
21-98-P	40,21	40,21	1780,23	-3,81	4.744
21-99-P	40,21	40,21	1779,65	-4,85	5.003
21-100-P	32,17	32,17	1424,46	-4,72	4.454
21-101-P	16,08	16,08	712,56	-2,43	4.421
22-1-P	32,17	32,17	-1415,86	-13,89	12.895
22-2-P	32,17	32,17	-1417,76	-15,00	6.253
22-3-P	40,21	40,21	-1771,22	-20,13	6.362
22-4-P	40,21	40,21	-1770,55	-21,36	6.397
22-5-P	40,21	40,21	-1769,63	-23,02	6.533
22-6-P	40,21	40,21	-1768,68	-24,75	6.674
22-7-P	40,21	40,21	-1767,76	-26,41	6.827
22-8-P	40,21	40,21	-1766,92	-27,92	6.959
22-9-P	40,21	40,21	-1766,10	-29,41	7.076
22-10-P	40,21	40,21	-1765,27	-30,92	7.187
22-11-P	40,21	40,21	-1764,39	-32,51	7.303
22-12-P	40,21	40,21	-1763,12	-34,81	7.517
22-13-P	40,21	40,21	-1760,79	-39,03	7.999
22-14-P	40,21	40,21	-1774,67	-13,90	7.283
22-15-P	40,21	40,21	-1774,02	-15,06	6.625
22-16-P	40,21	40,21	-1773,50	-16,02	6.072
22-17-P	40,21	40,21	-1773,06	-16,81	5.600
22-18-P	40,21	40,21	-1772,83	-17,23	5.183
22-19-P	40,21	40,21	-1772,94	-17,03	4.954
22-20-P	40,21	40,21	-1773,26	-16,45	4.763
22-21-P	40,21	40,21	-1773,76	-15,55	4.561
22-22-P	40,21	40,21	-1774,39	-14,39	4.354
22-23-P	40,21	40,21	1765,09	-31,08	4.069
22-24-P	40,21	40,21	1766,98	-27,68	3.633
22-25-P	40,21	48,25	2013,84	-32,38	3.711
22-26-P	40,21	48,25	2253,03	-42,73	3.616
22-27-P	40,21	56,30	2498,07	-47,65	3.464
22-28-P	40,21	64,34	2503,35	-44,15	3.055
22-29-P	40,21	72,38	2746,95	-49,74	2.992

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
22-30-P	40,21	72,38	2987,31	-55,69	2.938
22-31-P	40,21	64,34	2988,15	-52,22	2.637
22-32-P	40,21	56,30	2989,49	-47,61	2.302
22-33-P	40,21	48,25	2989,07	-44,10	2.046
22-34-P	40,21	40,21	2986,98	-41,40	1.849
22-35-P	40,21	40,21	2988,93	-39,32	1.695
22-36-P	40,21	40,21	2990,53	-37,61	1.567
22-37-P	40,21	40,21	2992,13	-35,89	1.453
22-38-P	40,21	40,21	2993,55	-34,38	1.358
22-39-P	40,21	40,21	2994,79	-33,06	1.274
22-40-P	40,21	40,21	2995,88	-31,89	1.199
22-41-P	40,21	40,21	2996,86	-30,85	1.133
22-42-P	40,21	40,21	2997,76	-29,88	1.074
22-43-P	40,21	40,21	2998,69	-28,89	1.017
22-44-P	48,25	40,21	3590,03	-33,91	1.179
22-45-P	48,25	40,21	3590,28	-33,65	1.162
22-46-P	48,25	40,21	3590,54	-33,37	1.146
22-47-P	48,25	40,21	3590,87	-33,01	1.127
22-48-P	48,25	40,21	3591,20	-32,66	1.109
22-49-P	48,25	40,21	3591,52	-32,31	1.091
22-50-P	48,25	40,21	3591,45	-32,39	1.102
22-51-P	48,25	40,21	3591,21	-32,65	1.126
22-52-P	48,25	40,21	3590,93	-32,95	1.154
22-53-P	48,25	40,21	3590,60	-33,30	1.186
22-54-P	40,21	40,21	2999,41	-28,12	1.020
22-55-P	40,21	40,21	2998,93	-28,63	1.067
22-56-P	40,21	40,21	2998,30	-29,30	1.132
22-57-P	40,21	40,21	2997,62	-30,03	1.205
22-58-P	40,21	40,21	2996,93	-30,77	1.283
22-59-P	40,21	40,21	2996,16	-31,59	1.372
22-60-P	40,21	40,21	2995,35	-32,45	1.468
22-61-P	40,21	40,21	2994,51	-33,36	1.573
22-62-P	40,21	40,21	2993,50	-34,43	1.692
22-63-P	40,21	40,21	3028,06	2,59	1.705
22-64-P	40,21	48,25	3033,16	2,91	1.709
22-65-P	40,21	56,30	3037,34	3,24	1.713
22-66-P	40,21	64,34	3040,82	3,58	1.716
22-67-P	40,21	72,38	3043,92	4,14	1.748
22-68-P	40,21	72,38	2793,85	4,21	1.660
22-69-P	40,21	64,34	2541,47	4,09	1.562
22-70-P	40,21	56,30	2539,26	4,64	1.611
22-71-P	40,21	48,25	2286,31	4,23	1.495
22-72-P	40,21	48,25	2036,66	3,72	1.373
22-73-P	40,21	40,21	1783,97	3,03	1.256
22-74-P	40,21	40,21	1784,10	3,28	1.314
22-75-P	40,21	40,21	1784,25	3,55	1.377
22-76-P	40,21	40,21	1784,42	3,86	1.446
22-77-P	40,21	40,21	1784,61	4,22	1.524
22-78-P	40,21	40,21	1784,81	4,58	1.607
22-79-P	40,21	40,21	1784,98	4,91	1.723
22-80-P	40,21	40,21	1785,00	4,95	1.844
22-81-P	40,21	40,21	1784,87	4,70	1.958
22-82-P	40,21	40,21	1784,70	4,39	2.082
22-83-P	40,21	40,21	1784,51	4,03	2.221
22-84-P	40,21	40,21	1784,28	3,61	2.376
22-85-P	40,21	40,21	1784,01	3,11	2.548
22-86-P	40,21	40,21	1783,53	2,20	2.718
22-87-P	40,21	40,21	1782,89	1,02	2.862
22-88-P	40,21	40,21	1782,17	-0,31	3.002
22-89-P	40,21	40,21	1781,36	-1,77	3.154
22-90-P	40,21	40,21	1780,49	-3,33	3.315
22-91-P	40,21	40,21	1779,75	-4,67	3.465
22-92-P	40,21	40,21	1779,12	-5,80	3.633
22-93-P	40,21	40,21	1778,62	-6,70	3.814
22-94-P	40,21	40,21	1778,12	-7,60	4.013
22-95-P	32,17	32,17	1422,40	-6,57	4.139
22-96-P	16,08	16,08	711,19	-3,38	4.388
23-1-P	24,13	24,13	-1058,31	-17,01	12.864
23-2-P	24,13	24,13	-1059,18	-19,55	6.781

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
23-3-P	40,21	40,21	-1761,90	-36,82	8.068
23-4-P	40,21	40,21	-1760,82	-38,97	8.078
23-5-P	40,21	40,21	-1759,75	-40,92	8.156
23-6-P	40,21	40,21	-1758,77	-42,68	8.206
23-7-P	40,21	40,21	-1757,94	-44,20	8.224
23-8-P	40,21	40,21	-1757,23	-45,48	8.210
23-9-P	40,21	40,21	-1755,88	-47,93	8.342
23-10-P	40,21	40,21	-1754,13	-51,10	8.551
23-11-P	40,21	40,21	-1752,39	-54,24	8.740
23-12-P	40,21	40,21	1775,56	-12,22	8.572
23-13-P	40,21	40,21	1773,56	-15,82	7.938
23-14-P	40,21	40,21	1771,72	-19,13	7.380
23-15-P	40,21	40,21	1770,39	-21,53	6.832
23-16-P	40,21	40,21	1770,33	-21,63	6.209
23-17-P	40,21	40,21	1770,36	-21,59	5.665
23-18-P	40,21	40,21	1770,50	-21,32	5.155
23-19-P	40,21	40,21	1770,78	-20,83	4.669
23-20-P	40,21	40,21	1771,19	-20,09	4.229
23-21-P	40,21	40,21	1771,78	-19,03	3.831
23-22-P	40,21	40,21	1772,62	-17,51	3.464
23-23-P	40,21	40,21	1765,35	-30,60	3.015
23-24-P	40,21	40,21	1766,97	-27,69	2.610
23-25-P	40,21	40,21	1768,22	-25,44	2.297
23-26-P	40,21	40,21	1769,20	-23,67	2.051
23-27-P	40,21	40,21	1769,99	-22,26	1.854
23-28-P	40,21	40,21	2013,84	-27,12	1.925
23-29-P	40,21	48,25	2018,16	-25,57	1.749
23-30-P	40,21	48,25	2261,98	-30,13	1.785
23-31-P	40,21	56,30	2265,96	-28,61	1.640
23-32-P	40,21	56,30	2509,36	-33,35	1.675
23-33-P	40,21	56,30	2510,49	-31,92	1.553
23-34-P	40,21	56,30	2753,13	-36,84	1.586
23-35-P	40,21	56,30	2754,43	-35,33	1.479
23-36-P	40,21	56,30	2996,68	-39,98	1.503
23-37-P	40,21	48,25	2994,32	-38,51	1.419
23-38-P	40,21	56,30	2999,06	-37,46	1.356
23-39-P	40,21	48,25	2996,14	-36,57	1.303
23-40-P	40,21	48,25	2996,82	-35,85	1.259
23-41-P	40,21	48,25	2997,45	-35,18	1.218
23-42-P	40,21	40,21	2993,22	-34,73	1.188
23-43-P	40,21	40,21	2993,30	-34,65	1.173
23-44-P	40,21	40,21	2993,38	-34,56	1.160
23-45-P	40,21	40,21	2993,44	-34,50	1.150
23-46-P	40,21	40,21	2993,52	-34,41	1.144
23-47-P	40,21	40,21	2993,51	-34,42	1.147
23-48-P	40,21	40,21	2993,46	-34,48	1.158
23-49-P	40,21	40,21	2993,40	-34,54	1.174
23-50-P	40,21	40,21	2993,33	-34,62	1.193
23-51-P	40,21	48,25	2997,73	-34,89	1.221
23-52-P	40,21	48,25	2997,26	-35,38	1.259
23-53-P	40,21	48,25	2996,73	-35,95	1.302
23-54-P	40,21	56,30	2999,80	-36,67	1.356
23-55-P	40,21	48,25	2995,32	-37,45	1.420
23-56-P	40,21	56,30	2998,08	-38,50	1.503
23-57-P	40,21	56,30	2756,02	-33,50	1.474
23-58-P	40,21	56,30	2755,02	-34,65	1.581
23-59-P	40,21	56,30	2512,12	-29,86	1.551
23-60-P	40,21	56,30	2511,16	-31,08	1.676
23-61-P	40,21	56,30	2287,04	0,99	1.569
23-62-P	40,21	48,25	2284,20	1,17	1.561
23-63-P	40,21	48,25	2035,02	1,04	1.385
23-64-P	40,21	40,21	2031,71	1,22	1.407
23-65-P	40,21	40,21	1782,90	1,03	1.266
23-66-P	40,21	40,21	1782,98	1,18	1.299
23-67-P	40,21	40,21	1783,06	1,34	1.334
23-68-P	40,21	40,21	1783,16	1,53	1.371
23-69-P	40,21	40,21	1783,26	1,71	1.411
23-70-P	40,21	40,21	1783,32	1,81	1.472
23-71-P	40,21	40,21	1783,34	1,86	1.535

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
23-72-P	40,21	40,21	1783,34	1,85	1.597
23-73-P	40,21	40,21	1783,30	1,79	1.659
23-74-P	40,21	40,21	1783,23	1,66	1.718
23-75-P	40,21	40,21	1783,12	1,44	1.775
23-76-P	40,21	40,21	1782,93	1,09	1.839
23-77-P	40,21	40,21	1782,70	0,67	1.909
23-78-P	40,21	40,21	1782,45	0,20	1.997
23-79-P	40,21	40,21	1782,15	-0,35	2.109
23-80-P	40,21	40,21	1781,78	-1,00	2.250
23-81-P	40,21	40,21	1781,36	-1,76	2.411
23-82-P	40,21	40,21	1780,86	-2,67	2.561
23-83-P	40,21	40,21	1780,27	-3,73	2.693
23-84-P	40,21	40,21	1779,67	-4,80	2.835
23-85-P	40,21	40,21	1779,00	-6,02	2.985
23-86-P	40,21	40,21	1778,32	-7,24	3.118
23-87-P	40,21	40,21	1777,85	-8,09	3.225
23-88-P	40,21	40,21	1777,50	-8,73	3.322
23-89-P	40,21	40,21	1777,01	-9,40	3.477
23-90-P	24,13	24,13	1066,75	-5,81	3.208
23-91-P	8,04	8,04	356,41	-2,00	2.256
24-1-P	16,08	16,08	-701,04	-19,93	13.237
24-2-P	16,08	16,08	-702,01	-21,92	6.866
24-3-P	32,17	32,17	-1399,83	-47,51	9.390
24-4-P	40,21	40,21	-1747,45	-63,18	9.821
24-5-P	40,21	40,21	1798,08	29,23	9.735
24-6-P	40,21	40,21	1796,69	26,65	9.411
24-7-P	40,21	40,21	1794,66	22,88	8.946
24-8-P	40,21	40,21	1792,01	17,96	8.315
24-9-P	40,21	40,21	1789,36	13,04	7.582
24-10-P	40,21	40,21	1787,07	8,78	6.893
24-11-P	40,21	40,21	1785,21	5,32	6.271
24-12-P	40,21	40,21	1755,38	-48,57	5.673
24-13-P	40,21	40,21	1756,96	-45,72	5.165
24-14-P	40,21	40,21	1758,34	-43,23	4.723
24-15-P	40,21	40,21	1759,57	-41,03	4.333
24-16-P	40,21	40,21	1760,66	-39,06	3.989
24-17-P	40,21	40,21	1761,64	-37,29	3.681
24-18-P	40,21	40,21	1762,54	-35,67	3.404
24-19-P	40,21	40,21	1763,42	-34,08	3.139
24-20-P	40,21	40,21	1764,26	-32,57	2.897
24-21-P	40,21	40,21	1765,11	-31,04	2.669
24-22-P	40,21	40,21	1766,06	-29,33	2.439
24-23-P	40,21	40,21	1767,00	-27,63	2.223
24-24-P	40,21	40,21	1767,88	-26,06	2.028
24-25-P	40,21	40,21	1768,68	-24,61	1.853
24-26-P	40,21	40,21	1769,50	-23,14	1.688
24-27-P	40,21	40,21	1770,27	-21,75	1.542
24-28-P	40,21	40,21	1770,90	-20,61	1.421
24-29-P	40,21	40,21	1771,41	-19,69	1.323
24-30-P	40,21	40,21	1771,84	-18,92	1.241
24-31-P	40,21	40,21	1772,20	-18,27	1.170
24-32-P	40,21	40,21	1772,51	-17,72	1.110
24-33-P	40,21	40,21	1772,78	-17,22	1.057
24-34-P	40,21	40,21	1773,03	-16,78	1.015
24-35-P	48,25	40,21	2121,96	-19,59	1.169
24-36-P	48,25	40,21	2122,21	-19,14	1.126
24-37-P	48,25	40,21	2415,25	-24,17	1.240
24-38-P	48,25	40,21	2415,52	-23,74	1.203
24-39-P	48,25	48,25	2420,68	-23,44	1.175
24-40-P	48,25	48,25	2420,80	-23,26	1.157
24-41-P	48,25	48,25	2420,82	-23,22	1.154
24-42-P	48,25	48,25	2420,83	-23,20	1.154
24-43-P	48,25	40,21	2415,90	-23,14	1.151
24-44-P	48,25	48,25	2420,85	-23,17	1.153
24-45-P	48,25	48,25	2420,86	-23,16	1.154
24-46-P	48,25	48,25	2420,83	-23,21	1.159
24-47-P	48,25	48,25	2420,76	-23,32	1.174
24-48-P	48,25	40,21	2415,64	-23,55	1.200
24-49-P	48,25	40,21	2415,39	-23,95	1.239

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
24-50-P	48,25	40,21	2122,31	-18,96	1.128
24-51-P	48,25	40,21	2122,09	-19,35	1.171
24-52-P	40,21	40,21	1773,17	-16,52	1.017
24-53-P	40,21	40,21	1772,97	-16,88	1.060
24-54-P	40,21	40,21	1772,75	-17,28	1.107
24-55-P	40,21	40,21	1772,50	-17,72	1.161
24-56-P	40,21	40,21	1772,19	-18,28	1.230
24-57-P	40,21	40,21	1771,80	-18,99	1.317
24-58-P	40,21	40,21	1771,29	-19,91	1.428
24-59-P	40,21	40,21	1782,21	-0,24	1.450
24-60-P	40,21	40,21	1782,25	-0,15	1.476
24-61-P	40,21	40,21	1782,28	-0,11	1.514
24-62-P	40,21	40,21	1782,28	-0,10	1.550
24-63-P	40,21	40,21	1782,26	-0,15	1.584
24-64-P	40,21	40,21	1782,21	-0,24	1.614
24-65-P	40,21	40,21	1782,13	-0,37	1.642
24-66-P	40,21	40,21	1782,00	-0,61	1.672
24-67-P	40,21	40,21	1781,79	-1,00	1.710
24-68-P	40,21	40,21	1781,57	-1,38	1.753
24-69-P	40,21	40,21	1781,36	-1,77	1.800
24-70-P	40,21	40,21	1781,14	-2,16	1.850
24-71-P	40,21	40,21	1780,93	-2,54	1.901
24-72-P	40,21	40,21	1780,66	-3,03	1.964
24-73-P	40,21	40,21	1780,34	-3,60	2.039
24-74-P	40,21	40,21	1780,01	-4,20	2.119
24-75-P	40,21	40,21	1779,65	-4,84	2.204
24-76-P	40,21	40,21	1779,28	-5,51	2.296
24-77-P	40,21	40,21	1778,97	-6,07	2.395
24-78-P	40,21	40,21	1778,68	-6,60	2.504
24-79-P	40,21	40,21	1778,33	-7,23	2.598
24-80-P	40,21	40,21	1777,98	-7,86	2.702
24-81-P	40,21	40,21	1777,59	-8,56	2.815
24-82-P	40,21	40,21	1777,15	-9,36	2.946
24-83-P	32,17	32,17	1421,65	-7,95	2.978
24-84-P	16,08	16,08	711,82	-4,14	2.311
24-85-P	8,04	8,04	355,86	-2,15	2.388
25-1-P	16,08	16,08	719,54	14,26	15.447
25-2-P	16,08	16,08	720,61	13,54	7.305
25-3-P	24,13	24,13	1080,35	19,25	6.903
25-4-P	32,17	32,17	1439,50	24,08	6.566
25-5-P	40,21	40,21	1796,83	26,91	6.568
25-6-P	40,21	40,21	1751,40	-55,74	6.038
25-7-P	40,21	40,21	1753,22	-52,46	5.494
25-8-P	40,21	40,21	1754,83	-49,56	5.029
25-9-P	40,21	40,21	1755,82	-47,77	4.706
25-10-P	40,21	40,21	1756,78	-46,04	4.411
25-11-P	40,21	40,21	1757,79	-44,22	4.129
25-12-P	40,21	40,21	1758,85	-42,32	3.856
25-13-P	40,21	40,21	1759,80	-40,61	3.611
25-14-P	40,21	40,21	1760,64	-39,08	3.380
25-15-P	40,21	40,21	1761,49	-37,56	3.152
25-16-P	40,21	40,21	1762,36	-35,99	2.930
25-17-P	40,21	40,21	1763,26	-34,36	2.714
25-18-P	40,21	40,21	1764,12	-32,82	2.516
25-19-P	40,21	40,21	1764,92	-31,39	2.338
25-20-P	40,21	40,21	1765,63	-30,10	2.182
25-21-P	40,21	40,21	1766,25	-28,99	2.049
25-22-P	40,21	40,21	1766,83	-27,94	1.930
25-23-P	40,21	40,21	1767,42	-26,88	1.817
25-24-P	40,21	40,21	1768,06	-25,72	1.703
25-25-P	40,21	40,21	1768,71	-24,56	1.594
25-26-P	40,21	40,21	1769,30	-23,50	1.497
25-27-P	40,21	40,21	1769,82	-22,55	1.409
25-28-P	40,21	40,21	1770,28	-21,73	1.333
25-29-P	40,21	40,21	1770,65	-21,06	1.270
25-30-P	40,21	40,21	1770,96	-20,50	1.218
25-31-P	40,21	40,21	1771,19	-20,08	1.179
25-32-P	40,21	40,21	1771,35	-19,79	1.153
25-33-P	40,21	40,21	1771,49	-19,54	1.130

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
25-34-P	40,21	40,21	1771,63	-19,29	1.107
25-35-P	40,21	40,21	1771,77	-19,05	1.084
25-36-P	40,21	40,21	1771,90	-18,81	1.063
25-37-P	40,21	40,21	1772,02	-18,58	1.042
25-38-P	40,21	40,21	1772,13	-18,40	1.025
25-39-P	40,21	40,21	1772,14	-18,38	1.024
25-40-P	40,21	40,21	1772,10	-18,44	1.030
25-41-P	40,21	40,21	1772,04	-18,56	1.042
25-42-P	40,21	40,21	1771,96	-18,70	1.055
25-43-P	40,21	40,21	1771,88	-18,84	1.069
25-44-P	40,21	40,21	1771,80	-18,98	1.083
25-45-P	40,21	40,21	1771,72	-19,13	1.097
25-46-P	40,21	40,21	1771,64	-19,27	1.111
25-47-P	40,21	40,21	1771,48	-19,56	1.138
25-48-P	40,21	40,21	1771,25	-19,98	1.179
25-49-P	40,21	40,21	1770,94	-20,53	1.233
25-50-P	40,21	40,21	1770,60	-21,16	1.295
25-51-P	40,21	40,21	1770,21	-21,84	1.362
25-52-P	40,21	40,21	1769,79	-22,61	1.436
25-53-P	40,21	40,21	1769,33	-23,44	1.517
25-54-P	40,21	40,21	1768,87	-24,27	1.602
25-55-P	40,21	40,21	1768,42	-25,08	1.687
25-56-P	40,21	40,21	1781,19	-2,07	1.742
25-57-P	40,21	40,21	1781,02	-2,37	1.776
25-58-P	40,21	40,21	1780,85	-2,68	1.812
25-59-P	40,21	40,21	1780,68	-3,00	1.848
25-60-P	40,21	40,21	1780,50	-3,31	1.885
25-61-P	40,21	40,21	1780,32	-3,64	1.921
25-62-P	40,21	40,21	1780,13	-3,98	1.954
25-63-P	40,21	40,21	1779,85	-4,48	1.990
25-64-P	40,21	40,21	1779,58	-4,97	2.024
25-65-P	40,21	40,21	1779,31	-5,45	2.054
25-66-P	40,21	40,21	1779,06	-5,91	2.082
25-67-P	40,21	40,21	1778,80	-6,37	2.110
25-68-P	40,21	40,21	1778,49	-6,94	2.146
25-69-P	40,21	40,21	1778,19	-7,47	2.183
25-70-P	40,21	40,21	1777,91	-7,99	2.225
25-71-P	40,21	40,21	1777,61	-8,52	2.280
25-72-P	40,21	40,21	1777,32	-9,05	2.375
25-73-P	40,21	40,21	1777,07	-9,49	2.479
25-74-P	40,21	40,21	1776,81	-9,97	2.591
25-75-P	32,17	32,17	1421,98	-8,22	2.442
25-76-P	24,13	24,13	1066,50	-6,28	2.471
25-77-P	16,08	16,08	710,96	-4,27	2.536
25-78-P	8,04	8,04	355,46	-2,17	2.602
26-1-P	8,04	8,04	350,27	-10,93	6.152
26-2-P	8,04	8,04	351,94	-10,40	2.812
26-3-P	16,08	16,08	703,14	-19,73	3.426
26-4-P	24,13	24,13	1054,37	-28,71	3.695
26-5-P	32,17	32,17	1405,28	-37,98	3.915
26-6-P	40,21	40,21	1756,16	-47,16	4.059
26-7-P	40,21	40,21	1756,30	-46,92	3.934
26-8-P	40,21	40,21	1756,67	-46,24	3.778
26-9-P	40,21	40,21	1757,74	-44,31	3.519
26-10-P	40,21	40,21	1758,73	-42,53	3.285
26-11-P	40,21	40,21	1759,64	-40,89	3.075
26-12-P	40,21	40,21	1760,41	-39,50	2.894
26-13-P	40,21	40,21	1761,09	-38,28	2.735
26-14-P	40,21	40,21	1761,75	-37,10	2.583
26-15-P	40,21	40,21	1762,43	-35,87	2.439
26-16-P	40,21	40,21	1763,21	-34,47	2.292
26-17-P	40,21	40,21	1764,00	-33,04	2.151
26-18-P	40,21	40,21	1764,73	-31,72	2.022
26-19-P	40,21	40,21	1765,41	-30,50	1.905
26-20-P	40,21	40,21	1766,02	-29,40	1.801
26-21-P	40,21	40,21	1766,62	-28,32	1.706
26-22-P	40,21	40,21	1767,06	-27,53	1.636
26-23-P	40,21	40,21	1767,40	-26,91	1.580
26-24-P	40,21	40,21	1767,74	-26,30	1.526

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
26-25-P	40,21	40,21	1768,06	-25,72	1.475
26-26-P	40,21	40,21	1768,37	-25,17	1.427
26-27-P	40,21	40,21	1768,63	-24,69	1.386
26-28-P	40,21	40,21	1768,80	-24,40	1.360
26-29-P	40,21	40,21	1768,97	-24,09	1.336
26-30-P	40,21	40,21	1769,13	-23,80	1.312
26-31-P	40,21	40,21	1769,28	-23,53	1.290
26-32-P	40,21	40,21	1769,42	-23,27	1.268
26-33-P	40,21	40,21	1769,56	-23,03	1.248
26-34-P	40,21	40,21	1769,61	-22,94	1.239
26-35-P	40,21	40,21	1769,54	-23,07	1.245
26-36-P	40,21	40,21	1769,46	-23,20	1.252
26-37-P	40,21	40,21	1769,38	-23,34	1.260
26-38-P	40,21	40,21	1769,30	-23,50	1.270
26-39-P	40,21	40,21	1769,20	-23,66	1.282
26-40-P	40,21	40,21	1769,10	-23,86	1.297
26-41-P	40,21	40,21	1768,93	-24,16	1.322
26-42-P	40,21	40,21	1768,71	-24,56	1.355
26-43-P	40,21	40,21	1768,48	-24,97	1.389
26-44-P	40,21	40,21	1768,24	-25,41	1.425
26-45-P	40,21	40,21	1767,97	-25,89	1.466
26-46-P	40,21	40,21	1767,57	-26,61	1.526
26-47-P	40,21	40,21	1767,06	-27,52	1.603
26-48-P	40,21	40,21	1766,59	-28,37	1.680
26-49-P	40,21	40,21	1766,11	-29,24	1.761
26-50-P	40,21	40,21	1765,60	-30,15	1.847
26-51-P	40,21	40,21	1765,07	-31,10	1.939
26-52-P	40,21	40,21	1764,53	-32,09	2.037
26-53-P	40,21	40,21	1779,47	-5,17	2.089
26-54-P	40,21	40,21	1779,21	-5,64	2.133
26-55-P	40,21	40,21	1778,93	-6,15	2.172
26-56-P	40,21	40,21	1778,63	-6,69	2.208
26-57-P	40,21	40,21	1778,32	-7,25	2.242
26-58-P	40,21	40,21	1778,00	-7,82	2.276
26-59-P	40,21	40,21	1777,70	-8,36	2.299
26-60-P	40,21	40,21	1777,44	-8,82	2.317
26-61-P	40,21	40,21	1777,22	-9,23	2.329
26-62-P	40,21	40,21	1777,03	-9,56	2.336
26-63-P	40,21	40,21	1776,85	-9,88	2.359
26-64-P	40,21	40,21	1776,68	-10,20	2.385
26-65-P	32,17	32,17	1421,76	-8,30	2.223
26-66-P	24,13	24,13	1066,81	-6,32	2.024
26-67-P	16,08	16,08	711,72	-4,31	1.792
26-68-P	8,04	8,04	356,49	-2,23	1.395
26-69-P	8,04	8,04	355,06	-2,30	2.882
27-1-P	16,08	8,04	691,67	-18,27	9.905
27-2-P	8,04	8,04	352,10	-9,22	2.426
27-3-P	16,08	16,08	703,22	-17,84	3.182
27-4-P	16,08	16,08	704,36	-17,44	2.366
27-5-P	24,13	24,13	1055,60	-25,69	2.787
27-6-P	32,17	32,17	1406,98	-33,69	3.018
27-7-P	32,17	32,17	1408,17	-33,19	2.515
27-8-P	40,21	40,21	1759,58	-40,88	2.716
27-9-P	40,21	40,21	1760,07	-40,12	2.581
27-10-P	40,21	40,21	1760,54	-39,28	2.471
27-11-P	40,21	40,21	1761,07	-38,32	2.359
27-12-P	40,21	40,21	1761,75	-37,10	2.240
27-13-P	40,21	40,21	1762,52	-35,71	2.119
27-14-P	40,21	40,21	1763,22	-34,44	2.011
27-15-P	40,21	40,21	1763,88	-33,26	1.911
27-16-P	40,21	40,21	1764,44	-32,25	1.826
27-17-P	40,21	40,21	1764,80	-31,60	1.768
27-18-P	40,21	40,21	1764,95	-31,32	1.735
27-19-P	40,21	40,21	1765,10	-31,05	1.704
27-20-P	40,21	40,21	1765,21	-30,85	1.679
27-21-P	40,21	40,21	1765,31	-30,68	1.655
27-22-P	40,21	40,21	1765,43	-30,47	1.634
27-23-P	40,21	40,21	1765,55	-30,24	1.612
27-24-P	40,21	40,21	1765,69	-29,99	1.590

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
27-25-P	40,21	40,21	1765,85	-29,71	1.566
27-26-P	40,21	40,21	1766,03	-29,38	1.541
27-27-P	40,21	40,21	1766,20	-29,07	1.517
27-28-P	40,21	40,21	1766,13	-29,21	1.521
27-29-P	40,21	40,21	1766,06	-29,32	1.525
27-30-P	40,21	40,21	1766,01	-29,42	1.528
27-31-P	40,21	40,21	1765,99	-29,46	1.528
27-32-P	40,21	40,21	1765,99	-29,46	1.526
27-33-P	40,21	40,21	1765,98	-29,47	1.526
27-34-P	40,21	40,21	1765,91	-29,60	1.535
27-35-P	40,21	40,21	1765,81	-29,78	1.549
27-36-P	40,21	40,21	1765,67	-30,04	1.570
27-37-P	40,21	40,21	1765,47	-30,40	1.599
27-38-P	40,21	40,21	1765,11	-31,04	1.646
27-39-P	40,21	40,21	1764,63	-31,91	1.711
27-40-P	40,21	40,21	1764,04	-32,96	1.787
27-41-P	40,21	40,21	1763,41	-34,09	1.869
27-42-P	40,21	40,21	1762,80	-35,20	1.957
27-43-P	40,21	40,21	1762,27	-36,16	2.041
27-44-P	40,21	40,21	1761,87	-36,87	2.118
27-45-P	40,21	40,21	1761,60	-37,36	2.185
27-46-P	40,21	40,21	1761,45	-37,63	2.243
27-47-P	40,21	40,21	1761,15	-38,16	2.317
27-48-P	40,21	40,21	1777,99	-7,83	2.392
27-49-P	40,21	40,21	1777,73	-8,30	2.411
27-50-P	40,21	40,21	1777,37	-8,83	2.458
27-51-P	32,17	32,17	1422,45	-7,48	2.208
27-52-P	32,17	32,17	1421,34	-7,81	2.554
27-53-P	24,13	24,13	1066,49	-6,09	2.263
27-54-P	16,08	16,08	711,71	-4,21	1.841
27-55-P	16,08	16,08	710,72	-4,33	2.347
27-56-P	8,04	8,04	356,00	-2,21	1.680
27-57-P	16,08	8,04	698,89	-4,41	6.622
28-1-P	8,04	8,04	351,34	-8,17	5.830
28-2-P	8,04	8,04	351,87	-7,96	2.784
28-3-P	8,04	8,04	352,66	-7,77	1.775
28-4-P	8,04	8,04	353,41	-7,59	1.273
28-5-P	16,08	16,08	705,00	-14,68	1.996
28-6-P	16,08	16,08	705,66	-14,38	1.682
28-7-P	16,08	16,08	706,25	-14,17	1.452
28-8-P	24,13	24,13	1057,88	-20,93	1.902
28-9-P	24,13	24,13	1058,52	-20,66	1.682
28-10-P	24,13	24,13	1059,01	-20,61	1.524
28-11-P	32,17	32,17	1410,32	-27,61	1.926
28-12-P	32,17	32,17	1410,51	-27,77	1.833
28-13-P	32,17	32,17	1410,71	-27,93	1.747
28-14-P	32,17	32,17	1410,94	-28,04	1.667
28-15-P	32,17	32,17	1411,31	-27,88	1.581
28-16-P	32,17	32,17	1411,68	-27,55	1.516
28-17-P	32,17	32,17	1411,89	-27,33	1.479
28-18-P	32,17	32,17	1412,02	-27,26	1.451
28-19-P	40,21	40,21	1763,26	-34,04	1.783
28-20-P	40,21	40,21	1763,34	-34,06	1.756
28-21-P	40,21	40,21	1763,32	-34,26	1.739
28-22-P	40,21	40,21	1763,12	-34,45	1.765
28-23-P	40,21	40,21	1763,02	-34,46	1.786
28-24-P	32,17	32,17	1411,90	-27,50	1.442
28-25-P	32,17	32,17	1411,91	-27,30	1.451
28-26-P	32,17	32,17	1411,90	-27,14	1.465
28-27-P	32,17	32,17	1411,78	-27,03	1.500
28-28-P	32,17	32,17	1411,47	-27,09	1.573
28-29-P	32,17	32,17	1411,03	-27,36	1.668
28-30-P	32,17	32,17	1410,56	-27,69	1.777
28-31-P	32,17	32,17	1410,00	-28,17	1.910
28-32-P	24,13	24,13	1058,41	-21,71	1.561
28-33-P	24,13	24,13	1057,61	-22,30	1.767
28-34-P	24,13	24,13	1056,87	-22,76	2.010
28-35-P	16,08	16,08	705,51	-15,50	1.542
28-36-P	16,08	16,08	704,87	-15,79	1.793

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
28-37-P	16,08	16,08	704,26	-16,01	2.113
28-38-P	8,04	8,04	353,12	-8,10	1.322
28-39-P	8,04	8,04	352,42	-8,19	1.818
28-40-P	8,04	8,04	351,68	-8,29	2.816
28-41-P	8,04	8,04	354,84	-1,86	5.813
29-1-S	8,04	8,04	357,91	3,73	8.505
29-2-S	8,04	8,04	358,16	3,48	4.120
29-3-S	8,04	8,04	358,72	3,23	2.665
29-4-S	8,04	8,04	359,25	3,01	1.941
29-5-S	16,08	16,08	716,08	5,44	3.032
29-6-S	16,08	16,08	716,28	4,90	2.513
29-7-S	16,08	16,08	716,51	4,43	2.130
29-8-S	24,13	24,13	1072,72	5,98	2.743
29-9-S	24,13	24,13	1072,89	5,38	2.387
29-10-S	24,13	24,13	1073,07	4,84	2.111
29-11-S	32,17	32,17	1428,75	5,76	2.598
29-12-S	32,17	32,17	1428,67	5,10	2.424
29-13-S	32,17	32,17	1428,61	4,44	2.280
29-14-S	32,17	32,17	1428,55	3,79	2.152
29-15-S	32,17	32,17	1428,49	3,15	2.027
29-16-S	32,17	32,17	1428,34	2,53	1.936
29-17-S	32,17	32,17	1428,13	1,96	1.871
29-18-S	32,17	32,17	1427,94	1,43	1.812
29-19-S	40,21	40,21	1782,77	1,16	2.193
29-20-S	40,21	40,21	1782,54	0,56	2.129
29-21-S	40,21	40,21	1782,31	-0,05	2.081
29-22-S	40,21	40,21	1781,87	-0,67	2.091
29-23-S	40,21	40,21	1781,43	-1,30	2.099
29-24-S	32,17	32,17	1426,31	-1,55	1.686
29-25-S	32,17	32,17	1425,94	-2,05	1.686
29-26-S	32,17	32,17	1425,61	-2,47	1.673
29-27-S	32,17	32,17	1425,24	-2,80	1.666
29-28-S	32,17	32,17	1424,78	-3,12	1.692
29-29-S	32,17	32,17	1424,31	-3,43	1.733
29-30-S	32,17	32,17	1423,85	-3,75	1.783
29-31-S	32,17	32,17	1423,39	-4,06	1.845
29-32-S	24,13	24,13	1068,63	-3,30	1.448
29-33-S	24,13	24,13	1068,01	-3,57	1.578
29-34-S	24,13	24,13	1067,37	-3,84	1.744
29-35-S	16,08	16,08	712,60	-2,76	1.301
29-36-S	16,08	16,08	712,01	-2,94	1.471
29-37-S	16,08	16,08	711,43	-3,11	1.683
29-38-S	8,04	8,04	356,73	-1,62	1.018
29-39-S	8,04	8,04	356,05	-1,67	1.345
29-40-S	8,04	8,04	355,33	-1,71	2.000
29-41-S	8,04	8,04	354,90	-1,76	3.966
30-1-S	16,08	8,04	707,13	13,58	15.665
30-2-S	8,04	8,04	360,68	6,42	3.795
30-3-S	16,08	16,08	719,42	11,70	4.988
30-4-S	16,08	16,08	719,83	10,74	3.694
30-5-S	24,13	24,13	1077,86	14,85	4.312
30-6-S	32,17	32,17	1435,54	18,30	4.636
30-7-S	32,17	32,17	1435,74	16,97	3.840
30-8-S	40,21	40,21	1792,96	19,85	4.145
30-9-S	40,21	40,21	1792,38	18,64	3.980
30-10-S	40,21	40,21	1791,74	17,45	3.861
30-11-S	40,21	40,21	1791,08	16,24	3.740
30-12-S	40,21	40,21	1790,36	14,90	3.604
30-13-S	40,21	40,21	1789,48	13,26	3.392
30-14-S	40,21	40,21	1788,66	11,74	3.192
30-15-S	40,21	40,21	1787,92	10,37	3.011
30-16-S	40,21	40,21	1787,26	9,13	2.852
30-17-S	40,21	40,21	1786,71	8,11	2.712
30-18-S	40,21	40,21	1786,22	7,20	2.595
30-19-S	40,21	40,21	1785,75	6,33	2.491
30-20-S	40,21	40,21	1785,30	5,50	2.400
30-21-S	40,21	40,21	1784,88	4,72	2.317
30-22-S	40,21	40,21	1784,50	4,00	2.257
30-23-S	40,21	40,21	1784,13	3,32	2.208

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
30-24-S	40,21	40,21	1783,78	2,67	2.158
30-25-S	40,21	40,21	1783,46	2,08	2.107
30-26-S	40,21	40,21	1783,16	1,53	2.054
30-27-S	40,21	40,21	1782,89	1,03	2.003
30-28-S	40,21	40,21	1782,64	0,56	1.970
30-29-S	40,21	40,21	1782,38	0,08	1.942
30-30-S	40,21	40,21	1782,12	-0,39	1.914
30-31-S	40,21	40,21	1781,86	-0,86	1.887
30-32-S	40,21	40,21	1781,61	-1,31	1.858
30-33-S	40,21	40,21	1781,36	-1,77	1.829
30-34-S	40,21	40,21	1781,11	-2,21	1.789
30-35-S	40,21	40,21	1780,88	-2,63	1.748
30-36-S	40,21	40,21	1780,68	-3,00	1.711
30-37-S	40,21	40,21	1780,50	-3,32	1.678
30-38-S	40,21	40,21	1780,34	-3,61	1.657
30-39-S	40,21	40,21	1780,14	-3,97	1.649
30-40-S	40,21	40,21	1779,90	-4,39	1.651
30-41-S	40,21	40,21	1779,65	-4,84	1.656
30-42-S	40,21	40,21	1779,40	-5,30	1.661
30-43-S	40,21	40,21	1779,14	-5,77	1.667
30-44-S	40,21	40,21	1778,89	-6,22	1.669
30-45-S	40,21	40,21	1778,66	-6,64	1.669
30-46-S	40,21	40,21	1778,44	-7,03	1.667
30-47-S	40,21	40,21	1778,25	-7,36	1.665
30-48-S	40,21	40,21	1778,07	-7,69	1.664
30-49-S	40,21	40,21	1777,91	-7,97	1.661
30-50-S	40,21	40,21	1777,70	-8,24	1.673
30-51-S	32,17	32,17	1422,85	-6,77	1.483
30-52-S	32,17	32,17	1421,76	-7,07	1.739
30-53-S	24,13	24,13	1066,79	-5,55	1.570
30-54-S	16,08	16,08	711,90	-3,87	1.303
30-55-S	16,08	16,08	710,90	-4,01	1.697
30-56-S	8,04	8,04	356,08	-2,07	1.240
30-57-S	16,08	8,04	699,02	-4,17	4.938
31-1-S	8,04	8,04	361,08	8,80	6.932
31-2-S	8,04	8,04	362,91	9,64	3.662
31-3-S	16,08	16,08	725,41	21,01	5.140
31-4-S	24,13	24,13	1088,71	34,20	6.216
31-5-S	32,17	32,17	1444,50	33,70	6.794
31-6-S	40,21	40,21	1803,14	38,63	6.847
31-7-S	40,21	40,21	1801,58	35,74	6.518
31-8-S	40,21	40,21	1799,98	32,75	6.212
31-9-S	40,21	40,21	1798,18	29,41	5.858
31-10-S	40,21	40,21	1796,55	26,40	5.541
31-11-S	40,21	40,21	1795,07	23,63	5.257
31-12-S	40,21	40,21	1793,75	21,19	5.003
31-13-S	40,21	40,21	1792,59	19,04	4.763
31-14-S	40,21	40,21	1791,60	17,21	4.523
31-15-S	40,21	40,21	1790,68	15,48	4.288
31-16-S	40,21	40,21	1789,75	13,75	4.049
31-17-S	40,21	40,21	1788,87	12,12	3.821
31-18-S	40,21	40,21	1788,08	10,65	3.615
31-19-S	40,21	40,21	1787,37	9,33	3.428
31-20-S	40,21	40,21	1786,70	8,10	3.252
31-21-S	40,21	40,21	1786,13	7,03	3.061
31-22-S	40,21	40,21	1785,64	6,14	2.882
31-23-S	40,21	40,21	1785,20	5,30	2.727
31-24-S	40,21	40,21	1784,79	4,55	2.587
31-25-S	40,21	40,21	1784,42	3,87	2.461
31-26-S	40,21	40,21	1784,09	3,25	2.346
31-27-S	40,21	40,21	1783,80	2,71	2.242
31-28-S	40,21	40,21	1783,62	2,37	2.151
31-29-S	40,21	40,21	1783,45	2,07	2.069
31-30-S	40,21	40,21	1783,28	1,75	1.996
31-31-S	40,21	40,21	1783,10	1,42	1.931
31-32-S	40,21	40,21	1782,92	1,08	1.873
31-33-S	40,21	40,21	1782,73	0,72	1.821
31-34-S	40,21	40,21	1782,54	0,38	1.779
31-35-S	40,21	40,21	1782,36	0,03	1.750

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
31-36-S	40,21	40,21	1782,18	-0,29	1.721
31-37-S	40,21	40,21	1782,03	-0,57	1.688
31-38-S	40,21	40,21	1781,91	-0,78	1.652
31-39-S	40,21	40,21	1781,82	-0,93	1.613
31-40-S	40,21	40,21	1781,76	-1,05	1.573
31-41-S	40,21	40,21	1781,67	-1,22	1.543
31-42-S	40,21	40,21	1781,52	-1,48	1.527
31-43-S	40,21	40,21	1781,37	-1,74	1.513
31-44-S	40,21	40,21	1781,23	-2,00	1.498
31-45-S	40,21	40,21	1781,09	-2,26	1.482
31-46-S	40,21	40,21	1780,96	-2,49	1.466
31-47-S	40,21	40,21	1780,84	-2,70	1.456
31-48-S	40,21	40,21	1780,71	-2,93	1.454
31-49-S	40,21	40,21	1780,51	-3,31	1.461
31-50-S	40,21	40,21	1780,31	-3,67	1.466
31-51-S	40,21	40,21	1780,12	-4,00	1.470
31-52-S	40,21	40,21	1779,94	-4,33	1.474
31-53-S	40,21	40,21	1779,76	-4,64	1.476
31-54-S	40,21	40,21	1779,57	-4,99	1.479
31-55-S	40,21	40,21	1779,35	-5,39	1.484
31-56-S	40,21	40,21	1779,12	-5,80	1.494
31-57-S	40,21	40,21	1778,88	-6,23	1.513
31-58-S	40,21	40,21	1778,63	-6,68	1.545
31-59-S	40,21	40,21	1778,40	-7,10	1.583
31-60-S	40,21	40,21	1778,19	-7,47	1.623
31-61-S	40,21	40,21	1778,01	-7,81	1.667
31-62-S	40,21	40,21	1777,80	-8,18	1.709
31-63-S	40,21	40,21	1777,54	-8,64	1.745
31-64-S	40,21	40,21	1777,27	-9,14	1.784
31-65-S	32,17	32,17	1422,15	-7,59	1.684
31-66-S	24,13	24,13	1067,00	-5,96	1.560
31-67-S	16,08	16,08	711,79	-4,19	1.389
31-68-S	8,04	8,04	356,51	-2,18	1.061
31-69-S	8,04	8,04	355,08	-2,26	2.150
32-1-S	16,08	16,08	717,68	10,82	9.133
32-2-S	16,08	16,08	719,52	11,52	4.610
32-3-S	24,13	24,13	1079,84	18,31	4.645
32-4-S	32,17	32,17	1440,46	25,87	4.767
32-5-S	40,21	40,21	1801,14	34,92	5.478
32-6-S	40,21	40,21	1802,32	37,11	5.649
32-7-S	40,21	40,21	1803,56	39,42	5.832
32-8-S	40,21	40,21	1804,88	41,86	6.031
32-9-S	40,21	40,21	1806,21	44,33	6.226
32-10-S	40,21	40,21	1807,59	46,89	6.419
32-11-S	40,21	40,21	1809,05	49,61	6.633
32-12-S	40,21	40,21	1810,58	52,44	6.861
32-13-S	40,21	40,21	1812,15	55,36	7.089
32-14-S	40,21	40,21	1793,13	20,04	6.777
32-15-S	40,21	40,21	1791,44	16,90	6.331
32-16-S	40,21	40,21	1790,00	14,22	5.885
32-17-S	40,21	40,21	1788,78	11,96	5.454
32-18-S	40,21	40,21	1787,75	10,04	5.069
32-19-S	40,21	40,21	1786,85	8,37	4.735
32-20-S	40,21	40,21	1786,06	6,90	4.442
32-21-S	40,21	40,21	1785,35	5,59	4.184
32-22-S	40,21	40,21	1784,72	4,41	3.955
32-23-S	40,21	40,21	1784,18	3,42	3.734
32-24-S	40,21	40,21	1783,82	2,75	3.492
32-25-S	40,21	40,21	1783,59	2,33	3.245
32-26-S	40,21	40,21	1783,40	1,97	3.025
32-27-S	40,21	40,21	1783,25	1,69	2.829
32-28-S	40,21	40,21	1783,11	1,43	2.658
32-29-S	40,21	40,21	1782,95	1,13	2.510
32-30-S	40,21	40,21	1782,77	0,80	2.382
32-31-S	40,21	40,21	1782,65	0,58	2.260
32-32-S	40,21	40,21	1782,60	0,49	2.154
32-33-S	40,21	40,21	1782,56	0,40	2.059
32-34-S	40,21	40,21	1782,52	0,33	1.970
32-35-S	40,21	40,21	1782,48	0,27	1.886

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
32-36-S	40,21	40,21	1782,46	0,21	1.808
32-37-S	40,21	40,21	1782,43	0,16	1.736
32-38-S	40,21	40,21	1782,41	0,13	1.665
32-39-S	40,21	40,21	1782,40	0,12	1.594
32-40-S	40,21	40,21	1782,40	0,12	1.536
32-41-S	40,21	40,21	1782,38	0,08	1.495
32-42-S	40,21	40,21	1782,35	0,03	1.460
32-43-S	40,21	40,21	1782,33	-0,02	1.426
32-44-S	40,21	40,21	1782,30	-0,07	1.393
32-45-S	40,21	40,21	1782,27	-0,12	1.360
32-46-S	40,21	40,21	1782,25	-0,17	1.328
32-47-S	40,21	40,21	1782,20	-0,25	1.302
32-48-S	40,21	40,21	1782,15	-0,35	1.289
32-49-S	40,21	40,21	1782,11	-0,42	1.284
32-50-S	40,21	40,21	1782,10	-0,43	1.279
32-51-S	40,21	40,21	1782,10	-0,43	1.273
32-52-S	40,21	40,21	1782,10	-0,44	1.265
32-53-S	40,21	40,21	1782,09	-0,46	1.257
32-54-S	40,21	40,21	1782,01	-0,60	1.256
32-55-S	40,21	40,21	1781,84	-0,90	1.262
32-56-S	40,21	40,21	1781,67	-1,21	1.269
32-57-S	40,21	40,21	1781,52	-1,48	1.278
32-58-S	40,21	40,21	1781,38	-1,73	1.290
32-59-S	40,21	40,21	1781,27	-1,93	1.303
32-60-S	40,21	40,21	1781,14	-2,16	1.322
32-61-S	40,21	40,21	1780,96	-2,49	1.348
32-62-S	40,21	40,21	1780,75	-2,87	1.377
32-63-S	40,21	40,21	1780,53	-3,26	1.406
32-64-S	40,21	40,21	1780,30	-3,67	1.437
32-65-S	40,21	40,21	1780,06	-4,11	1.471
32-66-S	40,21	40,21	1779,78	-4,62	1.520
32-67-S	40,21	40,21	1779,43	-5,25	1.579
32-68-S	40,21	40,21	1779,04	-5,94	1.636
32-69-S	40,21	40,21	1778,63	-6,69	1.693
32-70-S	40,21	40,21	1778,19	-7,47	1.753
32-71-S	40,21	40,21	1777,75	-8,27	1.816
32-72-S	40,21	40,21	1777,31	-9,06	1.868
32-73-S	40,21	40,21	1776,98	-9,66	1.908
32-74-S	40,21	40,21	1776,70	-10,16	1.944
32-75-S	32,17	32,17	1421,88	-8,40	1.786
32-76-S	24,13	24,13	1066,41	-6,44	1.797
32-77-S	16,08	16,08	710,88	-4,41	1.843
32-78-S	8,04	8,04	355,41	-2,26	1.891
33-1-S	16,08	16,08	716,00	7,31	7.088
33-2-S	16,08	16,08	718,32	7,82	3.525
33-3-S	32,17	32,17	1434,99	16,58	4.650
33-4-S	40,21	40,21	1794,00	21,66	4.735
33-5-S	40,21	40,21	1794,31	22,24	4.664
33-6-S	40,21	40,21	1794,68	22,91	4.606
33-7-S	40,21	40,21	1795,04	23,59	4.555
33-8-S	40,21	40,21	1795,50	24,44	4.559
33-9-S	40,21	40,21	1796,17	25,68	4.650
33-10-S	40,21	40,21	1796,90	27,04	4.768
33-11-S	40,21	40,21	1797,70	28,54	4.903
33-12-S	40,21	40,21	1798,56	30,13	5.048
33-13-S	40,21	40,21	1799,57	32,00	5.215
33-14-S	40,21	40,21	1800,71	34,11	5.399
33-15-S	40,21	40,21	1801,91	36,35	5.588
33-16-S	40,21	40,21	1803,19	38,72	5.784
33-17-S	40,21	40,21	1804,53	41,22	5.982
33-18-S	40,21	40,21	1805,94	43,83	6.183
33-19-S	40,21	40,21	1808,63	48,82	6.659
33-20-S	40,21	40,21	1780,84	-2,71	7.106
33-21-S	40,21	40,21	1780,35	-3,59	6.453
33-22-S	40,21	40,21	1780,11	-4,02	5.896
33-23-S	40,21	40,21	1780,07	-4,09	5.417
33-24-S	40,21	40,21	1780,19	-3,88	5.003
33-25-S	40,21	40,21	1780,42	-3,47	4.646
33-26-S	40,21	40,21	1780,75	-2,87	4.239

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
33-27-S	40,21	40,21	1781,09	-2,24	3.813
33-28-S	40,21	40,21	1781,35	-1,79	3.470
33-29-S	40,21	40,21	1781,51	-1,49	3.197
33-30-S	40,21	40,21	1781,62	-1,29	2.970
33-31-S	40,21	40,21	1781,69	-1,16	2.779
33-32-S	40,21	40,21	1781,73	-1,10	2.619
33-33-S	40,21	40,21	1781,77	-1,02	2.468
33-34-S	40,21	40,21	1781,87	-0,85	2.307
33-35-S	40,21	40,21	1781,96	-0,69	2.159
33-36-S	40,21	40,21	1782,04	-0,54	2.025
33-37-S	40,21	40,21	2030,58	-0,61	2.178
33-38-S	40,21	40,21	2030,66	-0,48	2.068
33-39-S	40,21	48,25	2034,12	-0,39	1.976
33-40-S	40,21	48,25	2034,17	-0,33	1.884
33-41-S	40,21	48,25	2034,24	-0,21	1.797
33-42-S	40,21	48,25	2034,31	-0,10	1.712
33-43-S	40,21	40,21	2030,97	0,01	1.629
33-44-S	40,21	48,25	2034,44	0,11	1.556
33-45-S	40,21	48,25	2034,49	0,19	1.489
33-46-S	40,21	48,25	2034,52	0,24	1.436
33-47-S	40,21	48,25	2034,54	0,27	1.395
33-48-S	40,21	40,21	2031,16	0,33	1.363
33-49-S	40,21	40,21	2031,22	0,42	1.333
33-50-S	40,21	40,21	1782,55	0,39	1.141
33-51-S	40,21	40,21	1782,60	0,49	1.113
33-52-S	40,21	40,21	1782,65	0,57	1.087
33-53-S	40,21	40,21	1782,69	0,65	1.074
33-54-S	40,21	40,21	1782,72	0,71	1.073
33-55-S	40,21	40,21	1782,76	0,78	1.073
33-56-S	40,21	40,21	1782,81	0,87	1.074
33-57-S	40,21	40,21	1782,86	0,97	1.075
33-58-S	40,21	40,21	1782,92	1,08	1.075
33-59-S	40,21	40,21	1782,95	1,14	1.082
33-60-S	40,21	40,21	1782,96	1,15	1.101
33-61-S	40,21	40,21	1782,95	1,14	1.120
33-62-S	40,21	40,21	1782,94	1,11	1.139
33-63-S	40,21	40,21	1782,92	1,07	1.156
33-64-S	40,21	40,21	1782,89	1,02	1.173
33-65-S	40,21	40,21	1782,83	0,91	1.189
33-66-S	40,21	40,21	1782,73	0,73	1.210
33-67-S	40,21	40,21	1782,57	0,43	1.239
33-68-S	40,21	40,21	1782,39	0,09	1.282
33-69-S	40,21	40,21	1782,17	-0,30	1.334
33-70-S	40,21	40,21	1781,94	-0,72	1.389
33-71-S	40,21	40,21	1781,68	-1,18	1.449
33-72-S	40,21	40,21	1781,40	-1,69	1.513
33-73-S	40,21	40,21	1781,07	-2,28	1.573
33-74-S	40,21	40,21	1780,66	-3,03	1.632
33-75-S	40,21	40,21	1780,16	-3,93	1.685
33-76-S	40,21	40,21	1779,62	-4,90	1.742
33-77-S	40,21	40,21	1779,06	-5,90	1.802
33-78-S	40,21	40,21	1778,57	-6,78	1.858
33-79-S	40,21	40,21	1778,13	-7,59	1.918
33-80-S	40,21	40,21	1777,70	-8,35	1.987
33-81-S	40,21	40,21	1777,33	-9,03	2.059
33-82-S	40,21	40,21	1776,97	-9,67	2.136
33-83-S	32,17	32,17	1421,59	-8,07	2.153
33-84-S	16,08	16,08	711,81	-4,16	1.684
33-85-S	8,04	8,04	355,87	-2,14	1.756
34-1-S	24,13	24,13	1071,81	7,55	8.474
34-2-S	24,13	24,13	1074,31	8,04	4.188
34-3-S	40,21	40,21	1789,86	14,17	4.694
34-4-S	40,21	40,21	1790,15	14,51	4.524
34-5-S	40,21	40,21	1790,35	14,88	4.428
34-6-S	40,21	40,21	1790,54	15,23	4.335
34-7-S	40,21	40,21	1790,70	15,53	4.249
34-8-S	40,21	40,21	1790,84	15,78	4.168
34-9-S	40,21	40,21	1791,04	16,16	4.107
34-10-S	40,21	40,21	1791,37	16,78	4.107

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
34-11-S	40,21	40,21	1791,75	17,47	4.127
34-12-S	40,21	40,21	1792,16	18,23	4.160
34-13-S	40,21	40,21	1792,57	19,00	4.192
34-14-S	40,21	40,21	1792,98	19,76	4.221
34-15-S	40,21	40,21	1793,39	20,52	4.249
34-16-S	40,21	40,21	1794,18	21,99	4.371
34-17-S	40,21	40,21	1795,09	23,69	4.518
34-18-S	40,21	40,21	1796,06	25,47	4.671
34-19-S	40,21	40,21	1797,06	27,34	4.822
34-20-S	40,21	40,21	1798,08	29,24	4.965
34-21-S	40,21	40,21	1799,12	31,17	5.098
34-22-S	40,21	40,21	1800,41	33,57	5.278
34-23-S	40,21	40,21	-1773,23	-16,50	5.589
34-24-S	40,21	40,21	-1773,92	-15,26	5.434
34-25-S	40,21	40,21	-1774,57	-14,07	5.277
34-26-S	40,21	40,21	-1775,20	-12,94	5.121
34-27-S	40,21	40,21	-1775,80	-11,85	4.967
34-28-S	40,21	40,21	-2021,90	-14,43	5.482
34-29-S	40,21	48,25	2025,21	-14,46	5.915
34-30-S	40,21	48,25	2272,69	-15,06	5.847
34-31-S	40,21	56,30	2277,54	-12,37	5.208
34-32-S	40,21	56,30	2525,91	-12,40	5.176
34-33-S	40,21	56,30	2527,74	-10,09	4.676
34-34-S	40,21	56,30	2776,69	-9,65	4.668
34-35-S	40,21	56,30	2778,42	-7,65	4.272
34-36-S	40,21	56,30	3028,19	-6,56	4.239
34-37-S	40,21	48,25	3025,99	-4,81	3.892
34-38-S	40,21	56,30	3031,06	-3,52	3.616
34-39-S	40,21	48,25	3028,09	-2,57	3.379
34-40-S	40,21	48,25	3028,72	-1,91	3.185
34-41-S	40,21	48,25	3029,18	-1,41	2.990
34-42-S	40,21	40,21	3024,79	-0,99	2.772
34-43-S	40,21	40,21	3025,13	-0,64	2.567
34-44-S	40,21	40,21	3025,41	-0,34	2.399
34-45-S	40,21	40,21	3025,63	-0,10	2.274
34-46-S	40,21	40,21	3025,82	0,11	2.180
34-47-S	40,21	40,21	3026,04	0,35	2.085
34-48-S	40,21	40,21	3026,28	0,62	1.989
34-49-S	40,21	40,21	3026,55	0,91	1.890
34-50-S	40,21	40,21	3026,80	1,19	1.795
34-51-S	40,21	48,25	3031,83	1,45	1.723
34-52-S	40,21	48,25	3032,07	1,71	1.682
34-53-S	40,21	48,25	3032,30	1,97	1.651
34-54-S	40,21	56,30	3036,40	2,21	1.622
34-55-S	40,21	48,25	3032,73	2,44	1.588
34-56-S	40,21	56,30	3036,82	2,67	1.556
34-57-S	40,21	56,30	2787,10	2,45	1.398
34-58-S	40,21	56,30	2787,37	2,76	1.390
34-59-S	40,21	56,30	2537,76	2,68	1.275
34-60-S	40,21	56,30	2538,05	3,05	1.283
34-61-S	40,21	56,30	2288,28	2,77	1.162
34-62-S	40,21	48,25	2285,50	3,05	1.165
34-63-S	40,21	48,25	2035,98	2,61	1.044
34-64-S	40,21	40,21	2032,68	2,81	1.059
34-65-S	48,25	40,21	2134,20	2,68	1.134
34-66-S	48,25	40,21	2134,30	2,85	1.157
34-67-S	48,25	40,21	2134,41	3,06	1.181
34-68-S	40,21	40,21	1783,82	2,76	1.009
34-69-S	40,21	40,21	1783,96	3,00	1.032
34-70-S	40,21	40,21	1784,10	3,27	1.077
34-71-S	40,21	40,21	1784,20	3,45	1.131
34-72-S	40,21	40,21	1784,23	3,52	1.183
34-73-S	40,21	40,21	1784,20	3,45	1.233
34-74-S	40,21	40,21	1784,08	3,22	1.280
34-75-S	40,21	40,21	1783,94	2,97	1.330
34-76-S	40,21	40,21	1783,78	2,67	1.386
34-77-S	40,21	40,21	1783,48	2,12	1.465
34-78-S	40,21	40,21	1783,14	1,49	1.549
34-79-S	40,21	40,21	1782,77	0,79	1.632

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
34-80-S	40,21	40,21	1782,35	0,02	1.710
34-81-S	40,21	40,21	1781,90	-0,80	1.782
34-82-S	40,21	40,21	1781,40	-1,70	1.850
34-83-S	40,21	40,21	1780,82	-2,74	1.930
34-84-S	40,21	40,21	1780,15	-3,95	2.020
34-85-S	40,21	40,21	1779,41	-5,28	2.124
34-86-S	40,21	40,21	1778,69	-6,57	2.235
34-87-S	40,21	40,21	1778,18	-7,49	2.339
34-88-S	40,21	40,21	1777,79	-8,20	2.441
34-89-S	40,21	40,21	1777,25	-8,97	2.585
34-90-S	24,13	24,13	1066,91	-5,53	2.379
34-91-S	8,04	8,04	356,47	-1,89	1.665
35-1-S	32,17	32,17	1427,33	6,99	9.111
35-2-S	32,17	32,17	1430,11	7,54	4.561
35-3-S	40,21	40,21	1787,62	9,80	4.585
35-4-S	40,21	40,21	1787,67	9,90	4.448
35-5-S	40,21	40,21	1787,73	10,00	4.316
35-6-S	40,21	40,21	1787,72	9,99	4.192
35-7-S	40,21	40,21	1787,69	9,93	4.081
35-8-S	40,21	40,21	1787,69	9,94	3.994
35-9-S	40,21	40,21	1787,75	10,04	3.922
35-10-S	40,21	40,21	1787,85	10,24	3.865
35-11-S	40,21	40,21	1788,04	10,59	3.820
35-12-S	40,21	40,21	1788,26	11,00	3.779
35-13-S	40,21	40,21	1788,48	11,40	3.738
35-14-S	40,21	40,21	1788,69	11,80	3.698
35-15-S	40,21	40,21	1788,90	12,19	3.661
35-16-S	40,21	40,21	1789,13	12,61	3.634
35-17-S	40,21	40,21	1789,38	13,07	3.610
35-18-S	40,21	40,21	1789,82	13,89	3.637
35-19-S	40,21	40,21	1790,47	15,11	3.722
35-20-S	40,21	40,21	1791,15	16,37	3.802
35-21-S	40,21	40,21	1791,86	17,68	3.879
35-22-S	40,21	40,21	1792,59	19,03	3.956
35-23-S	40,21	40,21	1793,33	20,42	4.034
35-24-S	40,21	40,21	-1771,53	-19,58	3.921
35-25-S	40,21	48,25	2053,16	30,52	4.862
35-26-S	40,21	48,25	-2704,01	-34,45	5.641
35-27-S	40,21	56,30	-3485,50	-45,91	7.136
35-28-S	40,21	64,34	-3976,23	-48,39	7.937
35-29-S	40,21	72,38	-4897,95	-59,12	9.472
35-30-S	40,21	72,38	3040,11	0,00	9.932
35-31-S	40,21	64,34	-4758,15	-50,76	8.732
35-32-S	40,21	56,30	-4175,71	-42,18	7.844
35-33-S	40,21	48,25	-3590,16	-33,95	6.860
35-34-S	40,21	40,21	-3001,19	-26,36	5.805
35-35-S	40,21	40,21	-3003,07	-24,33	5.859
35-36-S	40,21	40,21	3004,94	-22,21	5.863
35-37-S	40,21	40,21	3008,54	-18,36	5.308
35-38-S	40,21	40,21	3011,97	-14,70	4.784
35-39-S	40,21	40,21	3014,92	-11,54	4.306
35-40-S	40,21	40,21	3017,34	-8,96	3.883
35-41-S	40,21	40,21	3019,34	-6,82	3.508
35-42-S	40,21	40,21	3020,99	-5,06	3.175
35-43-S	40,21	40,21	3022,28	-3,68	2.890
35-44-S	40,21	40,21	3023,01	-2,90	2.677
35-45-S	40,21	40,21	3023,55	-2,32	2.495
35-46-S	40,21	40,21	3024,21	-1,62	2.315
35-47-S	40,21	40,21	3024,95	-0,82	2.140
35-48-S	40,21	40,21	3025,76	0,04	1.973
35-49-S	40,21	40,21	3026,36	0,70	1.845
35-50-S	40,21	40,21	3026,64	1,02	1.764
35-51-S	40,21	40,21	3026,89	1,29	1.688
35-52-S	40,21	40,21	3027,11	1,54	1.616
35-53-S	40,21	40,21	3027,37	1,83	1.544
35-54-S	40,21	40,21	3027,69	2,18	1.474
35-55-S	40,21	40,21	3028,06	2,59	1.411
35-56-S	40,21	40,21	3028,39	2,95	1.383
35-57-S	40,21	40,21	3028,63	3,21	1.355

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
35-58-S	40,21	40,21	3028,78	3,39	1.328
35-59-S	40,21	40,21	3028,93	3,56	1.301
35-60-S	40,21	40,21	3029,08	3,71	1.275
35-61-S	40,21	40,21	3029,23	3,89	1.251
35-62-S	40,21	40,21	3029,65	4,35	1.257
35-63-S	40,21	40,21	3030,20	4,96	1.264
35-64-S	40,21	48,25	3035,71	5,73	1.274
35-65-S	40,21	56,30	3040,44	6,63	1.283
35-66-S	40,21	64,34	3044,44	7,54	1.294
35-67-S	40,21	72,38	3047,83	8,38	1.332
35-68-S	40,21	72,38	2769,09	7,83	1.246
35-69-S	40,21	64,34	2488,19	7,08	1.151
35-70-S	40,21	56,30	2486,05	7,68	1.180
35-71-S	40,21	48,25	2204,80	6,63	1.073
35-72-S	48,25	48,25	2306,80	6,63	1.150
35-73-S	48,25	40,21	2135,83	5,72	1.115
35-74-S	48,25	40,21	2136,07	6,16	1.170
35-75-S	40,21	40,21	1785,34	5,56	1.028
35-76-S	40,21	40,21	1785,58	6,02	1.083
35-77-S	40,21	40,21	1785,81	6,44	1.141
35-78-S	40,21	40,21	1785,98	6,76	1.202
35-79-S	40,21	40,21	1786,00	6,80	1.278
35-80-S	40,21	40,21	1785,90	6,61	1.352
35-81-S	40,21	40,21	1785,74	6,32	1.431
35-82-S	40,21	40,21	1785,57	6,00	1.519
35-83-S	40,21	40,21	1785,38	5,64	1.617
35-84-S	40,21	40,21	1785,12	5,17	1.726
35-85-S	40,21	40,21	1784,59	4,18	1.840
35-86-S	40,21	40,21	1783,99	3,06	1.954
35-87-S	40,21	40,21	1783,36	1,89	2.063
35-88-S	40,21	40,21	1782,68	0,63	2.177
35-89-S	40,21	40,21	1781,91	-0,78	2.304
35-90-S	40,21	40,21	1781,04	-2,34	2.438
35-91-S	40,21	40,21	1780,23	-3,81	2.548
35-92-S	40,21	40,21	1779,58	-4,97	2.658
35-93-S	40,21	40,21	1779,10	-5,84	2.772
35-94-S	40,21	40,21	1778,61	-6,72	2.895
35-95-S	32,17	32,17	1422,84	-5,79	2.999
35-96-S	16,08	16,08	711,47	-2,88	3.261
36-1-S	32,17	32,17	1426,45	4,63	7.334
36-2-S	32,17	32,17	1429,82	5,08	3.913
36-3-S	40,21	40,21	1785,82	6,46	4.542
36-4-S	40,21	40,21	1785,85	6,51	4.437
36-5-S	40,21	40,21	1785,86	6,55	4.339
36-6-S	40,21	40,21	1785,83	6,48	4.250
36-7-S	40,21	40,21	1785,77	6,37	4.159
36-8-S	40,21	40,21	1785,72	6,28	4.051
36-9-S	40,21	40,21	1785,68	6,20	3.946
36-10-S	40,21	40,21	1785,64	6,13	3.842
36-11-S	40,21	40,21	1785,60	6,06	3.728
36-12-S	40,21	40,21	1785,57	6,00	3.604
36-13-S	40,21	40,21	1785,62	6,08	3.504
36-14-S	40,21	40,21	1785,76	6,36	3.440
36-15-S	40,21	40,21	1785,99	6,77	3.403
36-16-S	40,21	40,21	1786,21	7,18	3.367
36-17-S	40,21	40,21	1786,42	7,58	3.320
36-18-S	40,21	40,21	1786,63	7,97	3.256
36-19-S	40,21	40,21	1786,83	8,35	3.183
36-20-S	40,21	40,21	1787,03	8,71	3.112
36-21-S	40,21	40,21	1787,27	9,16	3.067
36-22-S	40,21	40,21	1787,71	9,98	3.097
36-23-S	40,21	40,21	2039,50	13,96	3.594
36-24-S	40,21	56,30	2299,50	18,97	4.102
36-25-S	40,21	64,34	2557,58	25,02	4.592
36-26-S	40,21	72,38	2817,50	32,15	5.060
36-27-S	40,21	80,42	3079,50	40,35	5.497
36-28-S	40,21	72,38	3081,71	45,20	5.758
36-29-S	40,21	56,30	-4162,19	-56,85	5.611
36-30-S	40,21	48,25	-3578,93	-46,08	4.770

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
36-31-S	40,21	40,21	-2991,76	-36,49	3.924
36-32-S	40,21	40,21	-2993,24	-34,89	3.847
36-33-S	40,21	40,21	-2994,67	-33,36	3.810
36-34-S	40,21	40,21	-2995,45	-32,52	3.849
36-35-S	40,21	40,21	-2996,02	-31,91	3.887
36-36-S	40,21	40,21	-2996,33	-31,57	3.904
36-37-S	40,21	40,21	-2996,75	-31,12	3.907
36-38-S	40,21	40,21	-2997,14	-30,71	3.895
36-39-S	40,21	40,21	-2997,82	-29,98	4.011
36-40-S	40,21	40,21	-2999,11	-28,58	4.249
36-41-S	40,21	40,21	-3000,42	-27,18	4.510
36-42-S	40,21	40,21	3005,01	-22,14	4.044
36-43-S	40,21	40,21	3008,56	-18,34	3.638
36-44-S	40,21	40,21	3011,48	-15,22	3.292
36-45-S	40,21	40,21	3014,49	-12,00	2.962
36-46-S	40,21	40,21	3017,52	-8,76	2.648
36-47-S	40,21	40,21	3020,33	-5,77	2.363
36-48-S	40,21	40,21	3022,24	-3,72	2.146
36-49-S	40,21	40,21	3023,51	-2,37	1.979
36-50-S	40,21	40,21	3024,62	-1,18	1.831
36-51-S	40,21	40,21	3025,75	0,03	1.693
36-52-S	40,21	40,21	3026,82	1,22	1.566
36-53-S	40,21	40,21	3027,70	2,19	1.476
36-54-S	40,21	40,21	3028,47	3,05	1.404
36-55-S	40,21	40,21	3029,20	3,85	1.335
36-56-S	40,21	40,21	3029,80	4,51	1.271
36-57-S	40,21	40,21	3030,29	5,06	1.212
36-58-S	40,21	40,21	3030,71	5,52	1.174
36-59-S	40,21	40,21	3031,08	5,94	1.152
36-60-S	40,21	40,21	3031,47	6,36	1.128
36-61-S	40,21	40,21	3031,83	6,77	1.104
36-62-S	40,21	40,21	3032,13	7,10	1.080
36-63-S	40,21	40,21	3032,40	7,39	1.060
36-64-S	40,21	40,21	3032,73	7,76	1.060
36-65-S	40,21	40,21	3033,07	8,14	1.062
36-66-S	40,21	40,21	3033,43	8,54	1.062
36-67-S	40,21	40,21	3033,79	8,94	1.063
36-68-S	40,21	40,21	3034,21	9,40	1.065
36-69-S	40,21	40,21	3034,68	9,92	1.091
36-70-S	40,21	40,21	3035,34	10,65	1.124
36-71-S	40,21	40,21	3036,16	11,57	1.154
36-72-S	40,21	48,25	3041,99	12,65	1.187
36-73-S	40,21	56,30	3046,98	13,80	1.222
36-74-S	40,21	72,38	3053,95	15,03	1.260
36-75-S	40,21	80,42	3057,24	16,25	1.321
36-76-S	40,21	72,38	2802,95	14,97	1.280
36-77-S	40,21	64,34	2548,72	13,50	1.230
36-78-S	40,21	56,30	2294,58	11,87	1.169
36-79-S	40,21	40,21	2037,13	10,09	1.095
36-80-S	40,21	40,21	1786,79	8,27	1.011
36-81-S	40,21	40,21	1787,15	8,92	1.083
36-82-S	40,21	40,21	1787,56	9,69	1.170
36-83-S	40,21	40,21	1788,01	10,53	1.269
36-84-S	40,21	40,21	1788,40	11,25	1.373
36-85-S	40,21	40,21	1788,66	11,73	1.477
36-86-S	40,21	40,21	1788,72	11,84	1.576
36-87-S	40,21	40,21	1788,45	11,36	1.678
36-88-S	40,21	40,21	1788,11	10,72	1.794
36-89-S	40,21	40,21	1787,71	9,98	1.922
36-90-S	40,21	40,21	1787,24	9,11	2.067
36-91-S	40,21	40,21	1786,71	8,12	2.216
36-92-S	40,21	40,21	1786,09	6,96	2.361
36-93-S	40,21	40,21	1785,28	5,46	2.485
36-94-S	40,21	40,21	1784,40	3,82	2.622
36-95-S	40,21	40,21	1783,42	2,00	2.777
36-96-S	40,21	40,21	1782,36	0,03	2.953
36-97-S	40,21	40,21	1781,73	-1,10	3.168
36-98-S	40,21	40,21	1781,37	-1,75	3.424
36-99-S	40,21	40,21	1780,95	-2,50	3.722

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
36-100-S	32,17	32,17	1425,62	-2,63	3.415
36-101-S	16,08	16,08	713,22	-1,25	3.419
37-1-S	40,21	40,21	1781,58	3,42	8.465
37-2-S	40,21	40,21	1784,44	3,90	4.941
37-3-S	40,21	40,21	1784,44	3,89	4.708
37-4-S	40,21	40,21	1784,44	3,89	4.498
37-5-S	40,21	40,21	1784,44	3,90	4.311
37-6-S	40,21	40,21	1784,37	3,77	4.208
37-7-S	40,21	40,21	1784,27	3,58	4.125
37-8-S	40,21	40,21	1784,18	3,41	4.047
37-9-S	40,21	40,21	1784,09	3,24	3.957
37-10-S	40,21	40,21	1784,01	3,10	3.850
37-11-S	40,21	40,21	1784,01	3,10	3.727
37-12-S	40,21	40,21	1784,04	3,17	3.601
37-13-S	40,21	40,21	1784,08	3,22	3.484
37-14-S	40,21	40,21	1784,11	3,28	3.374
37-15-S	40,21	40,21	1784,13	3,33	3.270
37-16-S	40,21	40,21	1784,15	3,36	3.160
37-17-S	40,21	40,21	1784,21	3,46	3.050
37-18-S	40,21	40,21	1784,37	3,76	2.965
37-19-S	40,21	40,21	1784,61	4,21	2.907
37-20-S	40,21	40,21	1784,84	4,63	2.851
37-21-S	40,21	40,21	1785,06	5,05	2.798
37-22-S	40,21	48,25	2038,59	6,84	3.132
37-23-S	40,21	64,34	2546,72	10,90	3.816
37-24-S	40,21	72,38	3055,12	16,31	4.455
37-25-S	40,21	80,42	3058,05	17,13	4.386
37-26-S	40,21	72,38	3057,22	18,59	4.367
37-27-S	40,21	56,30	3052,76	20,14	4.350
37-28-S	40,21	48,25	-3568,99	-56,81	3.728
37-29-S	40,21	40,21	-2983,99	-44,82	2.948
37-30-S	40,21	40,21	-2984,97	-43,77	2.829
37-31-S	40,21	40,21	-2985,34	-43,38	2.745
37-32-S	40,21	40,21	-2985,46	-43,25	2.688
37-33-S	40,21	40,21	-2985,35	-43,37	2.657
37-34-S	40,21	40,21	-2985,69	-43,00	2.662
37-35-S	40,21	40,21	-2986,50	-42,13	2.660
37-36-S	40,21	40,21	-2987,50	-41,06	2.638
37-37-S	40,21	40,21	-2988,63	-39,84	2.595
37-38-S	40,21	40,21	-2989,64	-38,76	2.544
37-39-S	40,21	40,21	-2989,97	-38,40	2.618
37-40-S	40,21	40,21	-2990,08	-38,29	2.782
37-41-S	40,21	40,21	-2990,18	-38,18	2.943
37-42-S	40,21	40,21	-2990,40	-37,95	3.101
37-43-S	40,21	40,21	-2991,05	-37,25	3.254
37-44-S	40,21	40,21	-2992,15	-36,06	3.402
37-45-S	40,21	40,21	2994,29	-33,58	3.553
37-46-S	40,21	40,21	3002,41	-24,91	3.070
37-47-S	40,21	40,21	-3065,32	44,20	2.602
37-48-S	40,21	40,21	-3061,08	39,47	2.256
37-49-S	40,21	40,21	-3058,21	36,26	2.021
37-50-S	40,21	40,21	-3055,83	33,60	1.833
37-51-S	40,21	40,21	-3054,17	31,76	1.705
37-52-S	40,21	40,21	3025,30	-0,45	1.568
37-53-S	40,21	40,21	3026,90	1,31	1.446
37-54-S	40,21	40,21	3028,43	3,00	1.335
37-55-S	40,21	40,21	3029,80	4,52	1.242
37-56-S	40,21	40,21	3030,83	5,66	1.169
37-57-S	40,21	40,21	3031,70	6,62	1.109
37-58-S	40,21	40,21	3032,72	7,75	1.052
37-59-S	48,25	40,21	3631,28	10,77	1.193
37-60-S	48,25	40,21	3632,21	11,80	1.150
37-61-S	48,25	40,21	3632,71	12,36	1.124
37-62-S	48,25	40,21	3633,19	12,89	1.098
37-63-S	48,25	40,21	3633,67	13,43	1.071
37-64-S	48,25	40,21	3634,18	13,99	1.047
37-65-S	48,25	40,21	3634,64	14,51	1.047
37-66-S	48,25	40,21	3635,10	15,02	1.047
37-67-S	48,25	40,21	3635,58	15,55	1.046

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
37-68-S	48,25	40,21	3636,05	16,08	1.046
37-69-S	48,25	40,21	3636,51	16,60	1.057
37-70-S	48,25	40,21	3637,00	17,14	1.089
37-71-S	48,25	40,21	3637,52	17,71	1.122
37-72-S	48,25	40,21	3638,07	18,33	1.158
37-73-S	48,25	40,21	3638,68	19,01	1.196
37-74-S	40,21	40,21	3040,71	16,60	1.030
37-75-S	40,21	40,21	3041,43	17,41	1.068
37-76-S	40,21	40,21	3042,21	18,27	1.119
37-77-S	40,21	48,25	3048,14	19,42	1.177
37-78-S	40,21	56,30	3053,31	20,73	1.241
37-79-S	40,21	72,38	3060,56	22,21	1.313
37-80-S	40,21	80,42	3064,25	23,83	1.393
37-81-S	40,21	72,38	3063,80	25,73	1.486
37-82-S	40,21	64,34	2553,86	20,18	1.351
37-83-S	40,21	48,25	2043,22	14,38	1.177
37-84-S	40,21	40,21	1788,79	11,98	1.117
37-85-S	40,21	40,21	1789,38	13,07	1.214
37-86-S	40,21	40,21	1790,08	14,37	1.331
37-87-S	40,21	40,21	1790,80	15,70	1.469
37-88-S	40,21	40,21	1791,44	16,91	1.628
37-89-S	40,21	40,21	1791,91	17,78	1.797
37-90-S	40,21	40,21	1792,12	18,17	1.969
37-91-S	40,21	40,21	1792,06	18,04	2.140
37-92-S	40,21	40,21	1791,90	17,75	2.325
37-93-S	40,21	40,21	1791,54	17,08	2.511
37-94-S	40,21	40,21	1790,93	15,95	2.693
37-95-S	40,21	40,21	1790,21	14,62	2.899
37-96-S	40,21	40,21	1789,39	13,09	3.130
37-97-S	40,21	40,21	1788,44	11,33	3.391
37-98-S	40,21	40,21	1787,33	9,26	3.701
37-99-S	40,21	40,21	1786,63	7,97	4.013
37-100-S	40,21	40,21	1786,08	6,94	4.281
37-101-S	40,21	40,21	1785,31	5,51	4.532
37-102-S	40,21	40,21	1784,42	3,87	4.804
37-103-S	40,21	40,21	1784,19	3,43	5.087
37-104-S	24,13	24,13	1070,44	1,74	5.217
38-1-S	40,21	40,21	1781,09	1,53	8.222
38-2-S	40,21	40,21	1783,32	1,82	5.520
38-3-S	40,21	40,21	1783,32	1,82	5.240
38-4-S	40,21	40,21	1783,32	1,81	4.987
38-5-S	40,21	40,21	1783,33	1,83	4.760
38-6-S	40,21	40,21	1783,35	1,87	4.560
38-7-S	40,21	40,21	1783,29	1,76	4.399
38-8-S	40,21	40,21	1783,21	1,61	4.240
38-9-S	40,21	40,21	1783,14	1,48	4.077
38-10-S	40,21	40,21	1783,07	1,36	3.917
38-11-S	40,21	40,21	1783,02	1,26	3.773
38-12-S	40,21	40,21	1782,97	1,17	3.641
38-13-S	40,21	40,21	1782,95	1,14	3.521
38-14-S	40,21	40,21	1783,02	1,26	3.414
38-15-S	40,21	40,21	1783,08	1,37	3.294
38-16-S	40,21	40,21	1783,13	1,47	3.159
38-17-S	40,21	40,21	1783,17	1,55	3.019
38-18-S	40,21	40,21	1783,21	1,62	2.892
38-19-S	40,21	40,21	1783,25	1,69	2.776
38-20-S	40,21	40,21	1783,29	1,76	2.671
38-21-S	40,21	48,25	2202,28	2,84	3.199
38-22-S	40,21	64,34	2764,20	4,78	3.900
38-23-S	40,21	80,42	3048,13	6,38	4.185
38-24-S	40,21	80,42	3048,41	6,69	4.072
38-25-S	40,21	72,38	3046,53	6,98	3.963
38-26-S	40,21	56,30	3040,99	7,24	3.855
38-27-S	40,21	40,21	-2967,51	-62,53	2.886
38-28-S	40,21	40,21	-2971,40	-58,35	2.652
38-29-S	40,21	40,21	-2973,52	-56,08	2.474
38-30-S	40,21	40,21	-2974,68	-54,83	2.358
38-31-S	40,21	40,21	-2975,65	-53,79	2.260
38-32-S	40,21	40,21	-2976,57	-52,79	2.169

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
38-33-S	40,21	40,21	-2977,64	-51,65	2.068
38-34-S	40,21	40,21	-2979,07	-50,11	1.939
38-35-S	40,21	40,21	-2980,36	-48,72	1.832
38-36-S	40,21	40,21	-2980,93	-48,12	1.811
38-37-S	40,21	40,21	-2981,57	-47,43	1.792
38-38-S	40,21	40,21	-2982,18	-46,77	1.763
38-39-S	40,21	40,21	-2982,77	-46,13	1.723
38-40-S	40,21	40,21	-2982,40	-46,53	1.790
38-41-S	40,21	40,21	-2981,96	-47,01	1.877
38-42-S	40,21	40,21	-2982,18	-46,77	1.956
38-43-S	40,21	40,21	-2983,28	-45,59	2.050
38-44-S	40,21	40,21	-2985,19	-43,54	2.172
38-45-S	40,21	40,21	-2988,32	-40,18	2.285
38-46-S	40,21	40,21	-2991,24	-37,05	2.453
38-47-S	40,21	40,21	-3442,66	-46,21	3.159
38-48-S	40,21	48,25	3453,52	-40,66	3.440
38-49-S	40,21	48,25	-4828,71	77,02	3.225
38-50-S	40,21	56,30	3942,48	-21,96	2.865
38-51-S	40,21	56,30	-5593,71	66,96	2.445
38-52-S	40,21	48,25	-5375,65	59,55	2.065
38-53-S	40,21	48,25	-5368,47	54,01	1.872
38-54-S	40,21	40,21	-4485,46	44,09	1.522
38-55-S	40,21	48,25	4438,21	4,82	1.792
38-56-S	40,21	48,25	4441,86	7,59	1.643
38-57-S	40,21	56,30	3979,70	8,62	1.360
38-58-S	40,21	56,30	3982,89	11,31	1.262
38-59-S	40,21	48,25	3980,90	13,76	1.180
38-60-S	64,34	48,25	5299,62	19,13	1.490
38-61-S	64,34	40,21	5445,59	22,21	1.451
38-62-S	64,34	40,21	4821,36	18,74	1.219
38-63-S	64,34	40,21	4823,47	21,12	1.185
38-64-S	64,34	40,21	4825,63	23,55	1.158
38-65-S	64,34	40,21	4827,32	25,45	1.131
38-66-S	64,34	40,21	4828,82	27,14	1.125
38-67-S	64,34	40,21	4829,92	28,38	1.131
38-68-S	64,34	40,21	4830,70	29,26	1.135
38-69-S	64,34	40,21	4831,39	30,03	1.147
38-70-S	64,34	40,21	4832,08	30,81	1.173
38-71-S	64,34	40,21	4832,82	31,64	1.198
38-72-S	64,34	40,21	4833,58	32,50	1.227
38-73-S	64,34	40,21	4834,36	33,38	1.261
38-74-S	64,34	40,21	4835,15	34,26	1.307
38-75-S	64,34	40,21	4835,96	35,18	1.369
38-76-S	64,34	40,21	4836,84	36,16	1.449
38-77-S	64,34	40,21	4837,78	37,22	1.537
38-78-S	40,21	40,21	3047,18	23,78	1.018
38-79-S	40,21	40,21	3047,38	23,99	1.069
38-80-S	40,21	40,21	3047,80	24,46	1.125
38-81-S	40,21	40,21	3048,45	25,18	1.193
38-82-S	40,21	56,30	3058,56	26,49	1.281
38-83-S	40,21	72,38	3066,97	29,18	1.392
38-84-S	40,21	80,42	3072,12	32,36	1.521
38-85-S	40,21	80,42	3075,63	36,16	1.676
38-86-S	40,21	64,34	2816,97	34,43	1.701
38-87-S	40,21	48,25	2301,25	25,91	1.537
38-88-S	40,21	40,21	1791,49	17,00	1.311
38-89-S	40,21	40,21	1792,21	18,34	1.442
38-90-S	40,21	40,21	1793,09	19,97	1.603
38-91-S	40,21	40,21	1794,19	22,02	1.803
38-92-S	40,21	40,21	1795,61	24,64	2.060
38-93-S	40,21	40,21	1797,09	27,39	2.368
38-94-S	40,21	40,21	1798,13	29,33	2.688
38-95-S	40,21	40,21	1798,16	29,39	2.944
38-96-S	40,21	40,21	1798,14	29,35	3.249
38-97-S	40,21	40,21	1797,96	29,01	3.596
38-98-S	40,21	40,21	1783,10	1,41	3.945
38-99-S	40,21	40,21	1783,15	1,51	4.145
38-100-S	40,21	40,21	1783,21	1,61	4.364
38-101-S	40,21	40,21	1783,26	1,72	4.485

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
38-102-S	40,21	40,21	1783,31	1,81	4.620
38-103-S	40,21	40,21	1783,34	1,85	4.786
38-104-S	40,21	40,21	1783,34	1,85	4.998
38-105-S	40,21	40,21	1783,33	1,84	5.244
38-106-S	40,21	40,21	1783,35	1,88	5.516
38-107-S	24,13	24,13	1070,87	1,06	4.911
39-1-S	40,21	40,21	1782,56	0,52	6.561
39-2-S	40,21	40,21	1782,63	0,53	6.129
39-3-S	40,21	40,21	1782,65	0,57	5.794
39-4-S	40,21	40,21	1782,69	0,64	5.508
39-5-S	40,21	40,21	1782,68	0,64	5.262
39-6-S	40,21	40,21	1782,65	0,57	5.070
39-7-S	40,21	40,21	1782,58	0,44	4.912
39-8-S	40,21	40,21	1782,51	0,32	4.739
39-9-S	40,21	40,21	1782,45	0,20	4.494
39-10-S	40,21	40,21	1782,39	0,09	4.272
39-11-S	40,21	40,21	1782,34	0,00	4.073
39-12-S	40,21	40,21	1782,31	-0,06	3.895
39-13-S	40,21	40,21	1782,28	-0,10	3.733
39-14-S	40,21	40,21	1782,27	-0,13	3.587
39-15-S	40,21	40,21	1782,25	-0,15	3.390
39-16-S	40,21	40,21	1782,27	-0,12	3.209
39-17-S	40,21	40,21	1782,32	-0,04	3.060
39-18-S	40,21	40,21	1782,39	0,08	2.938
39-19-S	40,21	40,21	1782,46	0,23	2.831
39-20-S	40,21	40,21	2031,19	0,37	3.111
39-21-S	40,21	64,34	2788,52	0,69	4.090
39-22-S	40,21	80,42	3042,75	0,55	4.243
39-23-S	40,21	80,42	3042,37	0,15	4.041
39-24-S	40,21	80,42	3042,07	-0,17	3.862
39-25-S	40,21	56,30	3034,15	-0,25	3.709
39-26-S	40,21	40,21	-2947,64	-83,88	3.013
39-27-S	40,21	40,21	-2953,29	-77,80	2.758
39-28-S	40,21	40,21	-2957,87	-72,88	2.493
39-29-S	40,21	40,21	-2961,53	-68,95	2.261
39-30-S	40,21	40,21	-2964,54	-65,71	2.069
39-31-S	40,21	40,21	-2967,09	-62,98	1.906
39-32-S	40,21	40,21	-2968,95	-60,99	1.781
39-33-S	40,21	40,21	-2970,68	-59,12	1.656
39-34-S	40,21	40,21	-2972,37	-57,31	1.548
39-35-S	40,21	40,21	-2973,82	-55,75	1.460
39-36-S	40,21	40,21	-2975,32	-54,14	1.368
39-37-S	40,21	40,21	-2976,77	-52,59	1.279
39-38-S	40,21	40,21	-2976,97	-52,37	1.250
39-39-S	40,21	40,21	-2977,55	-51,75	1.230
39-40-S	40,21	40,21	-2979,85	-49,27	1.200
39-41-S	40,21	56,30	-4155,11	-64,53	1.685
39-42-S	40,21	56,30	-4750,45	-79,41	2.000
39-43-S	40,21	72,38	-7028,80	-124,37	3.057
39-44-S	40,21	80,42	-8635,07	-154,65	3.941
39-45-S	56,30	96,51	-11328,67	-201,45	5.498
39-46-S	56,30	104,55	-13405,41	-231,02	6.870
39-47-S	56,30	96,51	-12411,41	-202,43	7.175
39-48-S	56,30	88,47	-11405,62	-179,29	7.717
39-49-S	56,30	80,42	7278,66	-143,83	7.697
39-50-S	56,30	64,34	7352,93	-91,01	6.361
39-51-S	56,30	56,30	-7726,28	147,23	4.044
39-52-S	56,30	56,30	-7653,10	100,74	2.557
39-53-S	56,30	56,30	-7614,14	75,99	1.818
39-54-S	56,30	56,30	-7593,12	62,63	1.459
39-55-S	56,30	56,30	-7580,74	54,76	1.276
39-56-S	56,30	56,30	-7590,44	60,93	1.475
39-57-S	56,30	56,30	-7612,54	74,97	1.906
39-58-S	56,30	56,30	7524,47	19,20	2.222
39-59-S	56,30	56,30	7532,72	24,41	2.025
39-60-S	56,30	64,34	7550,55	29,71	1.880
39-61-S	56,30	80,42	7574,29	34,85	1.755
39-62-S	56,30	88,47	7588,45	39,67	1.649
39-63-S	56,30	96,51	7604,84	44,79	1.563

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
39-64-S	56,30	104,55	7460,15	49,65	1.479
39-65-S	56,30	96,51	6979,88	49,75	1.341
39-66-S	56,30	80,42	6334,23	46,27	1.181
39-67-S	56,30	72,38	5694,29	42,20	1.052
39-68-S	72,38	56,30	6260,84	45,02	1.164
39-69-S	72,38	56,30	5452,51	37,84	1.021
39-70-S	72,38	40,21	5428,47	41,31	1.039
39-71-S	72,38	40,21	5431,10	44,28	1.074
39-72-S	72,38	40,21	5432,76	46,15	1.106
39-73-S	72,38	40,21	5433,80	47,34	1.145
39-74-S	72,38	40,21	5434,67	48,31	1.223
39-75-S	56,30	40,21	4249,06	38,58	1.019
39-76-S	56,30	40,21	4249,84	39,46	1.074
39-77-S	56,30	40,21	4250,74	40,47	1.131
39-78-S	56,30	40,21	4251,68	41,52	1.199
39-79-S	56,30	40,21	4252,64	42,60	1.284
39-80-S	56,30	40,21	4253,43	43,47	1.370
39-81-S	40,21	40,21	3054,55	31,94	1.053
39-82-S	40,21	40,21	3055,33	32,80	1.133
39-83-S	40,21	40,21	3056,23	33,81	1.225
39-84-S	40,21	40,21	3057,71	35,44	1.331
39-85-S	40,21	56,30	3069,65	38,64	1.454
39-86-S	40,21	80,42	3081,42	42,43	1.598
39-87-S	40,21	80,42	3085,22	46,54	1.768
39-88-S	40,21	80,42	3089,80	51,51	1.979
39-89-S	40,21	64,34	2829,07	48,78	2.050
39-90-S	40,21	40,21	2048,69	28,99	1.668
39-91-S	40,21	40,21	1795,45	24,35	1.627
39-92-S	40,21	40,21	1796,86	26,97	1.834
39-93-S	40,21	40,21	1798,63	30,25	2.100
39-94-S	40,21	40,21	1800,92	34,50	2.456
39-95-S	40,21	40,21	1804,12	40,45	2.958
39-96-S	40,21	40,21	1806,62	45,10	3.484
39-97-S	40,21	40,21	1782,34	0,00	3.852
39-98-S	40,21	40,21	1782,29	-0,09	4.026
39-99-S	40,21	40,21	1782,25	-0,16	4.219
39-100-S	40,21	40,21	1782,22	-0,21	4.436
39-101-S	40,21	40,21	1782,24	-0,18	4.677
39-102-S	40,21	40,21	1782,32	-0,04	4.846
39-103-S	40,21	40,21	1782,42	0,14	5.030
39-104-S	40,21	40,21	1782,54	0,38	5.239
39-105-S	40,21	40,21	1782,69	0,64	5.467
39-106-S	40,21	40,21	1782,74	0,73	5.722
39-107-S	40,21	40,21	1782,75	0,76	5.990
39-108-S	40,21	40,21	1782,79	0,83	6.264
39-109-S	40,21	40,21	1782,78	0,94	6.601
40-1-S	40,21	40,21	1782,33	-0,01	7.486
40-2-S	40,21	40,21	1782,32	-0,03	7.144
40-3-S	40,21	40,21	1782,32	-0,04	6.838
40-4-S	40,21	40,21	1782,33	-0,02	6.544
40-5-S	40,21	40,21	1782,24	-0,17	6.240
40-6-S	40,21	40,21	1782,12	-0,40	5.952
40-7-S	40,21	40,21	1782,01	-0,59	5.692
40-8-S	40,21	40,21	1781,93	-0,74	5.464
40-9-S	40,21	40,21	1781,86	-0,86	5.221
40-10-S	40,21	40,21	1781,83	-0,92	4.917
40-11-S	40,21	40,21	1781,82	-0,94	4.656
40-12-S	40,21	40,21	1781,82	-0,94	4.429
40-13-S	40,21	40,21	1781,83	-0,92	4.230
40-14-S	40,21	40,21	1781,85	-0,89	4.048
40-15-S	40,21	40,21	1781,85	-0,89	3.792
40-16-S	40,21	40,21	1781,85	-0,88	3.548
40-17-S	40,21	40,21	1781,86	-0,86	3.338
40-18-S	40,21	40,21	1781,88	-0,83	3.159
40-19-S	40,21	40,21	1781,90	-0,79	3.001
40-20-S	40,21	64,34	2786,27	-1,91	4.463
40-21-S	40,21	80,42	3039,89	-2,47	4.606
40-22-S	40,21	80,42	3039,69	-2,68	4.377
40-23-S	40,21	80,42	3039,56	-2,82	4.178

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
40-24-S	40,21	56,30	3031,66	-2,88	3.994
40-25-S	40,21	40,21	-2922,98	-110,36	3.438
40-26-S	40,21	40,21	-2930,63	-102,15	3.126
40-27-S	40,21	40,21	-2938,06	-94,16	2.725
40-28-S	40,21	40,21	-2944,01	-87,77	2.382
40-29-S	40,21	40,21	-2948,62	-82,82	2.128
40-30-S	40,21	40,21	-2952,35	-78,81	1.932
40-31-S	40,21	40,21	-2955,47	-75,46	1.778
40-32-S	40,21	40,21	-2958,48	-72,23	1.638
40-33-S	40,21	40,21	-2961,86	-68,60	1.481
40-34-S	40,21	56,30	-4130,80	-90,91	1.867
40-35-S	40,21	56,30	-4134,78	-86,60	1.694
40-36-S	40,21	56,30	-4138,20	-82,88	1.551
40-37-S	40,21	56,30	-4142,29	-78,45	1.434
40-38-S	64,34	56,30	-4169,90	-72,23	1.330
40-39-S	64,34	56,30	-4176,93	-64,71	1.241
40-40-S	64,34	64,34	-5858,21	-106,34	1.672
40-41-S	64,34	88,47	-9741,05	-195,61	2.666
40-42-S	64,34	112,59	-14368,91	-294,07	3.841
40-43-S	64,34	112,59	-14382,36	-285,71	4.051
40-44-S	64,34	104,55	-13383,21	-260,04	3.955
40-45-S	64,34	80,42	-10340,72	-200,39	3.273
40-46-S	64,34	56,30	-7257,23	-146,00	2.570
40-47-S	64,34	56,30	-7241,81	-155,15	2.873
40-48-S	64,34	56,30	-7224,11	-165,65	3.231
40-49-S	64,34	56,30	-7206,17	-176,30	3.713
40-50-S	64,34	56,30	-7198,89	-180,62	4.509
40-51-S	64,34	56,30	-7212,58	-172,50	5.900
40-52-S	64,34	56,30	-7769,07	162,94	4.569
40-53-S	64,34	56,30	-7691,78	114,63	2.788
40-54-S	64,34	56,30	-7639,42	82,79	1.878
40-55-S	64,34	56,30	-7623,60	73,17	1.647
40-56-S	64,34	56,30	-7627,36	75,46	1.745
40-57-S	64,34	56,30	-7644,32	85,77	2.063
40-58-S	64,34	56,30	8607,84	36,93	2.319
40-59-S	64,34	56,30	8634,07	53,54	2.068
40-60-S	64,34	56,30	8640,26	57,46	1.882
40-61-S	64,34	56,30	8647,97	62,34	1.721
40-62-S	64,34	56,30	8656,98	68,05	1.583
40-63-S	64,34	56,30	8663,87	72,41	1.475
40-64-S	64,34	56,30	8666,49	74,07	1.406
40-65-S	64,34	56,30	8671,23	77,07	1.344
40-66-S	64,34	80,42	8708,66	80,27	1.302
40-67-S	64,34	104,55	8737,59	84,26	1.297
40-68-S	64,34	112,59	8754,51	91,05	1.296
40-69-S	64,34	112,59	8767,25	98,92	1.300
40-70-S	64,34	88,47	7824,33	87,26	1.193
40-71-S	88,47	64,34	8654,82	86,97	1.367
40-72-S	88,47	56,30	6647,27	56,98	1.094
40-73-S	88,47	56,30	6653,70	64,20	1.172
40-74-S	88,47	56,30	6658,71	69,83	1.263
40-75-S	88,47	40,21	6615,83	71,90	1.342
40-76-S	64,34	40,21	4853,14	54,50	1.065
40-77-S	64,34	40,21	4854,98	56,58	1.161
40-78-S	64,34	40,21	4856,12	57,86	1.245
40-79-S	64,34	40,21	4857,39	59,28	1.339
40-80-S	64,34	40,21	4858,91	60,99	1.449
40-81-S	64,34	40,21	4860,43	62,71	1.563
40-82-S	40,21	40,21	3062,37	40,60	1.061
40-83-S	40,21	40,21	3063,51	41,86	1.153
40-84-S	40,21	40,21	3064,80	43,29	1.268
40-85-S	40,21	40,21	3066,35	45,02	1.409
40-86-S	40,21	40,21	3069,27	48,25	1.544
40-87-S	40,21	56,30	3082,34	52,55	1.700
40-88-S	40,21	80,42	3095,59	57,77	1.890
40-89-S	40,21	80,42	3101,43	64,09	2.123
40-90-S	40,21	80,42	3108,49	71,74	2.416
40-91-S	40,21	64,34	2845,59	68,37	2.547
40-92-S	40,21	40,21	1799,19	31,29	1.835

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
40-93-S	40,21	40,21	1801,24	35,10	2.099
40-94-S	40,21	40,21	1803,99	40,20	2.453
40-95-S	40,21	40,21	1807,84	47,36	2.951
40-96-S	40,21	40,21	1813,66	58,16	3.704
40-97-S	40,21	40,21	1781,81	-0,96	4.070
40-98-S	40,21	40,21	1781,77	-1,03	4.266
40-99-S	40,21	40,21	1781,76	-1,05	4.486
40-100-S	40,21	40,21	1781,77	-1,02	4.737
40-101-S	40,21	40,21	1781,80	-0,98	5.023
40-102-S	40,21	40,21	1781,83	-0,92	5.338
40-103-S	40,21	40,21	1781,90	-0,79	5.586
40-104-S	40,21	40,21	1782,00	-0,62	5.806
40-105-S	40,21	40,21	1782,11	-0,42	6.003
40-106-S	40,21	40,21	1782,23	-0,20	6.168
40-107-S	40,21	40,21	1782,32	-0,03	6.371
40-108-S	40,21	40,21	1782,36	0,03	6.664
40-109-S	40,21	40,21	1782,40	0,11	7.019
40-110-S	40,21	40,21	1782,46	0,21	7.459
41-1-S	40,21	40,21	1782,23	-0,21	8.982
41-2-S	40,21	40,21	1782,19	-0,28	8.565
41-3-S	40,21	40,21	1782,15	-0,34	8.194
41-4-S	40,21	40,21	1782,12	-0,39	7.853
41-5-S	40,21	40,21	1782,01	-0,59	7.591
41-6-S	40,21	40,21	1781,90	-0,80	7.324
41-7-S	40,21	40,21	1781,79	-0,99	7.041
41-8-S	40,21	40,21	1781,70	-1,15	6.750
41-9-S	40,21	40,21	1781,65	-1,25	6.382
41-10-S	40,21	40,21	1781,61	-1,31	5.947
41-11-S	40,21	40,21	1781,60	-1,34	5.573
41-12-S	40,21	40,21	1781,59	-1,35	5.248
41-13-S	40,21	40,21	1781,59	-1,35	4.960
41-14-S	40,21	40,21	1781,60	-1,33	4.697
41-15-S	40,21	40,21	1781,64	-1,27	4.390
41-16-S	40,21	40,21	1781,68	-1,18	4.120
41-17-S	40,21	40,21	1781,73	-1,09	3.884
41-18-S	40,21	40,21	1781,79	-0,99	3.675
41-19-S	40,21	40,21	1781,84	-0,89	3.488
41-20-S	40,21	80,42	3039,65	-2,72	5.587
41-21-S	40,21	80,42	3039,28	-3,11	5.227
41-22-S	40,21	80,42	3039,00	-3,40	4.917
41-23-S	40,21	80,42	3038,76	-3,66	4.640
41-24-S	40,21	40,21	-2888,69	-147,19	4.193
41-25-S	40,21	40,21	-2899,52	-135,56	3.782
41-26-S	40,21	40,21	-2909,34	-125,01	3.359
41-27-S	40,21	40,21	-2919,10	-114,52	2.886
41-28-S	40,21	40,21	-2927,15	-105,88	2.522
41-29-S	40,21	40,21	-2933,53	-99,03	2.239
41-30-S	40,21	40,21	-2938,61	-93,57	2.014
41-31-S	40,21	40,21	-2942,68	-89,20	1.832
41-32-S	40,21	40,21	-2947,45	-84,07	1.627
41-33-S	40,21	56,30	-4113,36	-109,83	1.988
41-34-S	40,21	56,30	-4119,16	-103,54	1.772
41-35-S	40,21	56,30	-4124,31	-97,96	1.599
41-36-S	40,21	56,30	-4132,26	-89,32	1.433
41-37-S	64,34	56,30	-4165,07	-77,40	1.273
41-38-S	64,34	56,30	-4174,30	-67,53	1.148
41-39-S	64,34	88,47	-9502,88	-196,78	2.357
41-40-S	64,34	112,59	-14345,54	-308,59	3.163
41-41-S	64,34	112,59	-14399,17	-275,26	2.874
41-42-S	64,34	112,59	-14439,33	-250,31	2.653
41-43-S	64,34	88,47	-11384,01	-204,12	2.057
41-44-S	64,34	56,30	-7270,97	-137,85	1.313
41-45-S	64,34	56,30	-7258,61	-145,18	1.330
41-46-S	64,34	56,30	-7202,36	-178,56	1.587
41-47-S	64,34	56,30	-7145,60	-212,24	1.886
41-48-S	64,34	56,30	-7068,56	-257,96	2.292
41-49-S	64,34	56,30	-6950,52	-328,00	2.854
41-50-S	64,34	56,30	-6769,45	-435,44	3.622
41-51-S	64,34	56,30	-6540,68	-571,19	4.730

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
41-52-S	64,34	56,30	7337,76	-738,22	6.288
41-53-S	64,34	56,30	7661,16	-541,20	5.058
41-54-S	64,34	56,30	8024,37	-319,92	4.285
41-55-S	64,34	56,30	8347,17	-123,27	3.644
41-56-S	64,34	56,30	8530,55	-11,55	2.980
41-57-S	64,34	56,30	8616,60	42,48	2.520
41-58-S	64,34	56,30	8712,16	102,98	2.216
41-59-S	64,34	56,30	8818,29	170,18	1.991
41-60-S	64,34	56,30	8893,00	217,49	1.803
41-61-S	64,34	56,30	8891,33	216,43	1.633
41-62-S	64,34	56,30	8856,17	194,17	1.474
41-63-S	64,34	56,30	8813,37	167,07	1.326
41-64-S	64,34	56,30	8775,80	143,28	1.204
41-65-S	64,34	56,30	8750,70	127,39	1.113
41-66-S	64,34	56,30	8734,58	117,18	1.050
41-67-S	64,34	56,30	8720,22	108,09	1.009
41-68-S	88,47	56,30	11910,86	137,62	1.336
41-69-S	88,47	88,47	11975,94	133,73	1.356
41-70-S	88,47	112,59	12014,40	135,05	1.425
41-71-S	88,47	112,59	12022,22	139,92	1.498
41-72-S	88,47	112,59	12048,67	156,37	1.622
41-73-S	88,47	88,47	9977,24	123,52	1.479
41-74-S	88,47	56,30	6653,59	64,08	1.079
41-75-S	88,47	56,30	6662,36	73,93	1.187
41-76-S	88,47	56,30	6670,95	83,58	1.315
41-77-S	64,34	40,21	4861,92	64,38	1.050
41-78-S	64,34	40,21	4864,59	67,38	1.156
41-79-S	64,34	40,21	4866,80	69,87	1.265
41-80-S	64,34	40,21	4868,64	71,94	1.381
41-81-S	64,34	40,21	4870,37	73,89	1.505
41-82-S	40,21	40,21	3068,83	47,77	1.025
41-83-S	40,21	40,21	3070,13	49,21	1.115
41-84-S	40,21	40,21	3071,68	50,92	1.222
41-85-S	40,21	40,21	3073,55	52,99	1.353
41-86-S	40,21	40,21	3075,89	55,59	1.515
41-87-S	40,21	40,21	3079,22	59,27	1.672
41-88-S	40,21	40,21	3083,62	64,15	1.843
41-89-S	40,21	80,42	3107,00	70,12	2.063
41-90-S	40,21	80,42	3113,28	76,92	2.322
41-91-S	40,21	80,42	3121,26	85,56	2.655
41-92-S	40,21	80,42	3131,87	97,05	3.099
41-93-S	40,21	40,21	1803,01	38,38	2.094
41-94-S	40,21	40,21	1806,00	43,94	2.439
41-95-S	40,21	40,21	1809,83	51,05	2.897
41-96-S	40,21	40,21	1814,85	60,37	3.523
41-97-S	40,21	40,21	1781,75	-1,06	4.428
41-98-S	40,21	40,21	1781,76	-1,05	4.788
41-99-S	40,21	40,21	1781,75	-1,06	5.067
41-100-S	40,21	40,21	1781,74	-1,08	5.339
41-101-S	40,21	40,21	1781,73	-1,10	5.640
41-102-S	40,21	40,21	1781,72	-1,11	5.950
41-103-S	40,21	40,21	1781,72	-1,12	6.234
41-104-S	40,21	40,21	1781,74	-1,08	6.473
41-105-S	40,21	40,21	1781,82	-0,94	6.687
41-106-S	40,21	40,21	1781,94	-0,72	6.885
41-107-S	40,21	40,21	1782,08	-0,47	7.091
41-108-S	40,21	40,21	1782,17	-0,31	7.397
41-109-S	40,21	40,21	1782,20	-0,26	7.870
41-110-S	40,21	40,21	1782,23	-0,19	8.423
41-111-S	40,21	40,21	1782,28	-0,11	9.058
42-1-S	48,25	48,25	2137,23	-0,11	13.240
42-2-S	48,25	48,25	2137,16	-0,24	12.440
42-3-S	48,25	48,25	2137,11	-0,33	11.795
42-4-S	48,25	48,25	2137,07	-0,40	11.300
42-5-S	48,25	48,25	2136,94	-0,63	10.944
42-6-S	48,25	48,25	2136,80	-0,89	10.653
42-7-S	48,25	48,25	2136,67	-1,11	10.365
42-8-S	48,25	48,25	2136,64	-1,17	9.949
42-9-S	48,25	48,25	2136,67	-1,11	9.456

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
42-10-S	48,25	48,25	2136,70	-1,06	8.959
42-11-S	48,25	48,25	2136,72	-1,02	8.455
42-12-S	48,25	48,25	2136,74	-1,00	7.950
42-13-S	48,25	48,25	2136,74	-0,98	7.475
42-14-S	48,25	48,25	2136,76	-0,96	6.929
42-15-S	48,25	48,25	2136,77	-0,93	6.398
42-16-S	48,25	48,25	2136,79	-0,90	5.970
42-17-S	48,25	48,25	2136,81	-0,87	5.620
42-18-S	48,25	48,25	2136,83	-0,83	5.332
42-19-S	48,25	48,25	2136,85	-0,79	5.093
42-20-S	48,25	96,51	3648,31	-2,18	8.110
42-21-S	48,25	96,51	3648,31	-2,18	7.593
42-22-S	48,25	96,51	3648,25	-2,24	7.138
42-23-S	48,25	96,51	3648,13	-2,36	6.733
42-24-S	48,25	48,25	-3447,80	-194,02	5.303
42-25-S	48,25	48,25	-3462,58	-178,15	4.759
42-26-S	48,25	48,25	-3475,52	-164,25	4.098
42-27-S	48,25	48,25	-3485,35	-153,69	3.574
42-28-S	48,25	48,25	-3493,12	-145,34	3.167
42-29-S	48,25	48,25	-3499,94	-138,01	2.837
42-30-S	48,25	48,25	-3506,31	-131,17	2.561
42-31-S	48,25	48,25	-3512,94	-124,04	2.297
42-32-S	48,25	48,25	-3522,22	-114,08	1.981
42-33-S	48,25	48,25	-3529,46	-106,29	1.741
42-34-S	48,25	48,25	-3535,20	-100,13	1.553
42-35-S	48,25	64,34	-4699,97	-126,15	1.863
42-36-S	48,25	64,34	-4717,04	-107,65	1.629
42-37-S	48,25	64,34	-4730,88	-92,64	1.443
42-38-S	48,25	104,55	-11089,21	-275,20	3.005
42-39-S	80,42	128,68	-16340,03	-393,64	3.748
42-40-S	80,42	128,68	-16445,30	-328,40	3.256
42-41-S	80,42	128,68	-16537,23	-271,43	2.650
42-42-S	80,42	96,51	-12521,67	-170,43	1.532
42-43-S	80,42	80,42	-10485,18	-128,30	1.069
42-44-S	80,42	80,42	-10486,21	-127,67	1.002
42-45-S	80,42	80,42	-10441,44	-154,98	1.106
42-46-S	80,42	64,34	-8287,97	-173,27	1.108
42-47-S	80,42	64,34	-8147,01	-256,81	1.496
42-48-S	80,42	64,34	-7894,82	-406,26	2.197
42-49-S	80,42	64,34	-7518,41	-629,34	2.918
42-50-S	80,42	64,34	-6892,22	-1000,44	4.159
42-51-S	80,42	64,34	-5752,01	-1676,16	6.489
42-52-S	80,42	64,34	10741,46	47,12	6.967
42-53-S	80,42	64,34	10733,05	41,79	6.067
42-54-S	80,42	64,34	9709,64	-585,10	4.500
42-55-S	80,42	64,34	10267,32	-244,33	3.418
42-56-S	80,42	64,34	10576,75	-55,25	2.795
42-57-S	80,42	64,34	10772,51	66,81	2.517
42-58-S	80,42	64,34	10944,10	175,66	2.341
42-59-S	80,42	64,34	11108,77	280,10	2.213
42-60-S	80,42	64,34	11273,41	384,54	2.122
42-61-S	80,42	64,34	11411,13	471,90	2.032
42-62-S	80,42	64,34	11266,70	380,28	1.748
42-63-S	80,42	64,34	11160,75	313,08	1.539
42-64-S	80,42	64,34	11075,73	259,15	1.379
42-65-S	80,42	64,34	11000,93	211,71	1.243
42-66-S	80,42	64,34	10928,79	165,95	1.045
42-67-S	104,55	64,34	14065,13	167,82	1.156
42-68-S	104,55	64,34	14005,72	129,79	1.003
42-69-S	104,55	64,34	14010,27	132,70	1.106
42-70-S	104,55	96,51	14109,38	142,05	1.282
42-71-S	80,42	128,68	10949,95	122,99	1.206
42-72-S	80,42	128,68	10981,38	142,40	1.384
42-73-S	80,42	128,68	11018,52	165,33	1.563
42-74-S	80,42	104,55	9131,22	134,79	1.472
42-75-S	80,42	64,34	6084,35	70,24	1.081
42-76-S	80,42	64,34	6094,18	81,16	1.199
42-77-S	80,42	64,34	6102,26	90,14	1.325
42-78-S	80,42	48,25	6076,55	93,08	1.440

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
42-79-S	80,42	48,25	6079,71	96,64	1.583
42-80-S	48,25	48,25	3683,39	60,83	1.064
42-81-S	48,25	48,25	3684,98	62,60	1.158
42-82-S	48,25	48,25	3686,54	64,32	1.259
42-83-S	48,25	48,25	3688,20	66,16	1.376
42-84-S	48,25	48,25	3690,10	68,25	1.514
42-85-S	48,25	48,25	3692,28	70,67	1.677
42-86-S	48,25	48,25	3694,16	72,76	1.845
42-87-S	48,25	48,25	3696,13	74,93	2.033
42-88-S	48,25	48,25	3699,67	78,84	2.257
42-89-S	48,25	96,51	3730,44	86,40	2.538
42-90-S	48,25	96,51	3739,19	95,84	2.870
42-91-S	48,25	96,51	3750,72	108,29	3.301
42-92-S	48,25	96,51	3766,51	125,34	3.886
42-93-S	48,25	48,25	2164,97	51,32	2.693
42-94-S	48,25	48,25	2168,27	57,45	3.099
42-95-S	48,25	48,25	2172,75	65,75	3.649
42-96-S	48,25	48,25	2179,13	77,58	4.436
42-97-S	48,25	48,25	2189,01	95,90	5.656
42-98-S	48,25	48,25	2136,87	-0,76	6.886
42-99-S	48,25	48,25	2136,89	-0,73	7.488
42-100-S	48,25	48,25	2136,89	-0,72	7.890
42-101-S	48,25	48,25	2136,91	-0,69	8.263
42-102-S	48,25	48,25	2136,93	-0,65	8.642
42-103-S	48,25	48,25	2136,95	-0,61	9.057
42-104-S	48,25	48,25	2136,98	-0,57	9.513
42-105-S	48,25	48,25	2137,00	-0,52	10.016
42-106-S	48,25	48,25	2137,04	-0,45	10.528
42-107-S	48,25	48,25	2137,07	-0,39	10.889
42-108-S	48,25	48,25	2137,07	-0,40	11.532
42-109-S	48,25	48,25	2137,06	-0,41	12.228
42-110-S	48,25	48,25	2137,06	-0,42	12.982
42-111-S	48,25	48,25	-2137,06	-0,42	13.571
43-1-S	40,21	40,21	-1782,38	0,07	11.292
43-2-S	40,21	40,21	-1782,37	0,06	10.549
43-3-S	40,21	40,21	-1782,37	0,05	9.898
43-4-S	40,21	40,21	-1782,36	0,04	9.360
43-5-S	40,21	40,21	-1782,36	0,04	8.910
43-6-S	40,21	40,21	-1782,37	0,05	8.645
43-7-S	40,21	40,21	-1782,38	0,07	8.473
43-8-S	40,21	40,21	-1782,38	0,07	8.308
43-9-S	40,21	40,21	-1782,38	0,07	8.147
43-10-S	40,21	40,21	-1782,38	0,08	7.990
43-11-S	40,21	40,21	-1782,38	0,08	7.836
43-12-S	40,21	40,21	-1782,39	0,09	7.698
43-13-S	40,21	40,21	-1782,40	0,10	7.603
43-14-S	40,21	40,21	-1782,41	0,14	7.437
43-15-S	40,21	40,21	1782,44	0,18	7.243
43-16-S	40,21	40,21	1782,45	0,20	6.809
43-17-S	40,21	40,21	1782,46	0,22	6.423
43-18-S	40,21	40,21	1782,47	0,23	6.077
43-19-S	40,21	40,21	1782,47	0,24	5.766
43-20-S	40,21	80,42	3042,86	0,68	9.059
43-21-S	40,21	80,42	3042,87	0,69	8.395
43-22-S	40,21	80,42	3042,90	0,72	7.835
43-23-S	40,21	80,42	3042,95	0,78	7.366
43-24-S	40,21	40,21	-2875,84	-160,99	4.428
43-25-S	40,21	40,21	-2888,73	-147,15	3.905
43-26-S	40,21	40,21	-2900,34	-134,68	3.336
43-27-S	40,21	40,21	-2909,24	-125,12	2.910
43-28-S	40,21	40,21	-2916,27	-117,57	2.580
43-29-S	40,21	40,21	-2921,99	-111,43	2.316
43-30-S	40,21	40,21	-2926,48	-106,60	2.089
43-31-S	40,21	40,21	-2929,72	-103,12	1.879
43-32-S	40,21	40,21	-2933,15	-99,44	1.697
43-33-S	40,21	56,30	-4094,38	-130,43	2.097
43-34-S	40,21	56,30	-4103,29	-120,76	1.838
43-35-S	40,21	56,30	-4111,33	-112,04	1.626
43-36-S	40,21	56,30	-4125,56	-96,60	1.411

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
43-37-S	72,38	56,30	-4164,89	-82,89	1.243
43-38-S	72,38	96,51	-10309,77	-257,51	2.718
43-39-S	72,38	128,68	-16298,07	-402,59	3.646
43-40-S	72,38	128,68	-16395,69	-341,85	3.177
43-41-S	72,38	128,68	-16482,52	-287,81	2.701
43-42-S	72,38	112,59	-14533,84	-207,29	1.838
43-43-S	72,38	72,38	-9420,33	-126,83	1.038
43-44-S	72,38	72,38	-9403,63	-137,02	1.035
43-45-S	72,38	72,38	-9363,40	-161,56	1.129
43-46-S	72,38	64,34	-8269,54	-180,62	1.174
43-47-S	72,38	64,34	-8150,82	-251,08	1.528
43-48-S	72,38	64,34	-7918,18	-389,17	2.045
43-49-S	72,38	64,34	-7560,59	-601,42	2.688
43-50-S	72,38	56,30	-6063,28	-857,38	3.400
43-51-S	72,38	56,30	9604,13	1,63	3.699
43-52-S	72,38	56,30	9590,74	-6,61	3.311
43-53-S	72,38	56,30	9587,42	-8,64	2.962
43-54-S	72,38	56,30	9583,81	-10,85	2.703
43-55-S	72,38	56,30	9578,93	-13,83	2.524
43-56-S	72,38	56,30	9572,74	-17,61	2.402
43-57-S	72,38	56,30	9751,98	95,56	2.313
43-58-S	72,38	56,30	9958,27	226,61	2.207
43-59-S	72,38	56,30	10146,34	346,09	2.116
43-60-S	72,38	56,30	10272,86	426,47	2.002
43-61-S	72,38	56,30	10343,03	471,04	1.875
43-62-S	72,38	56,30	10222,88	394,71	1.623
43-63-S	72,38	56,30	10094,78	313,33	1.407
43-64-S	72,38	56,30	9989,15	246,23	1.241
43-65-S	72,38	56,30	9901,79	190,73	1.110
43-66-S	104,55	56,30	14087,03	199,75	1.295
43-67-S	104,55	56,30	14022,85	158,44	1.118
43-68-S	104,55	56,30	13992,49	138,90	1.063
43-69-S	104,55	56,30	13982,72	132,61	1.099
43-70-S	104,55	88,47	14088,34	140,08	1.258
43-71-S	104,55	112,59	14177,13	165,11	1.580
43-72-S	104,55	112,59	14221,04	192,55	1.805
43-73-S	104,55	112,59	14271,04	223,79	2.024
43-74-S	104,55	88,47	11806,46	181,05	1.893
43-75-S	104,55	56,30	7841,53	93,97	1.385
43-76-S	72,38	56,30	5486,23	75,40	1.075
43-77-S	72,38	56,30	5492,86	82,79	1.190
43-78-S	72,38	40,21	5467,55	85,50	1.297
43-79-S	72,38	40,21	5470,49	88,83	1.431
43-80-S	72,38	40,21	5473,10	91,78	1.574
43-81-S	72,38	40,21	5475,10	94,04	1.707
43-82-S	40,21	40,21	3074,58	54,13	1.047
43-83-S	40,21	40,21	3076,04	55,75	1.153
43-84-S	40,21	40,21	3077,87	57,78	1.274
43-85-S	40,21	40,21	3079,69	59,79	1.398
43-86-S	40,21	40,21	3081,25	61,53	1.535
43-87-S	40,21	40,21	3082,78	63,22	1.693
43-88-S	40,21	40,21	3084,76	65,41	1.886
43-89-S	40,21	80,42	3108,01	71,22	2.126
43-90-S	40,21	80,42	3115,64	79,48	2.406
43-91-S	40,21	80,42	3125,58	90,25	2.771
43-92-S	40,21	80,42	3139,09	104,87	3.265
43-93-S	40,21	40,21	1805,54	43,09	2.269
43-94-S	40,21	40,21	1808,35	48,30	2.613
43-95-S	40,21	40,21	1812,12	55,31	3.078
43-96-S	40,21	40,21	1817,49	65,29	3.741
43-97-S	40,21	40,21	1825,75	80,63	4.763
43-98-S	40,21	40,21	1840,11	107,30	6.543
43-99-S	40,21	40,21	-1782,53	0,35	7.463
43-100-S	40,21	40,21	-1782,53	0,36	7.662
43-101-S	40,21	40,21	-1782,55	0,39	7.880
43-102-S	40,21	40,21	-1782,57	0,43	8.126
43-103-S	40,21	40,21	-1782,61	0,50	8.398
43-104-S	40,21	40,21	-1782,65	0,59	8.694
43-105-S	40,21	40,21	-1782,65	0,58	9.006

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
43-106-S	40,21	40,21	-1782,58	0,44	9.317
43-107-S	40,21	40,21	-1782,48	0,27	9.649
43-108-S	40,21	40,21	-1782,40	0,12	9.951
43-109-S	40,21	40,21	-1782,37	0,05	10.112
43-110-S	40,21	40,21	-1782,32	-0,03	10.280
43-111-S	40,21	40,21	-1782,27	-0,13	10.468
44-1-S	40,21	40,21	-1782,32	-0,04	9.950
44-2-S	40,21	40,21	-1782,37	0,05	9.536
44-3-S	40,21	40,21	-1782,41	0,14	9.199
44-4-S	40,21	40,21	-1782,45	0,21	8.895
44-5-S	40,21	40,21	-1782,55	0,39	8.697
44-6-S	40,21	40,21	-1782,70	0,67	8.568
44-7-S	40,21	40,21	-1782,84	0,93	8.441
44-8-S	40,21	40,21	-1782,92	1,08	8.319
44-9-S	40,21	40,21	-1782,94	1,12	8.209
44-10-S	40,21	40,21	-1782,94	1,12	8.106
44-11-S	40,21	40,21	-1782,95	1,14	8.012
44-12-S	40,21	40,21	-1782,96	1,16	7.925
44-13-S	40,21	40,21	-1782,97	1,18	7.841
44-14-S	40,21	40,21	-1782,98	1,20	7.738
44-15-S	40,21	40,21	-1783,01	1,25	7.576
44-16-S	40,21	40,21	-1783,02	1,28	7.423
44-17-S	40,21	40,21	-1783,01	1,26	7.332
44-18-S	40,21	40,21	-1719,91	-113,07	6.320
44-19-S	40,21	40,21	-1728,78	-97,01	5.354
44-20-S	40,21	80,42	3046,01	4,08	14.192
44-21-S	40,21	80,42	-5636,12	-374,71	11.912
44-22-S	40,21	80,42	-5676,43	-330,31	10.274
44-23-S	40,21	80,42	-5706,73	-296,94	9.041
44-24-S	40,21	40,21	-2898,17	-137,01	4.088
44-25-S	40,21	40,21	-2908,74	-125,65	3.610
44-26-S	40,21	40,21	-2917,12	-116,65	3.129
44-27-S	40,21	40,21	-2923,72	-109,57	2.762
44-28-S	40,21	40,21	-2929,06	-103,83	2.473
44-29-S	40,21	40,21	-2933,50	-99,06	2.241
44-30-S	40,21	40,21	-2938,25	-93,96	2.002
44-31-S	40,21	40,21	-2942,15	-89,77	1.800
44-32-S	40,21	40,21	-2945,21	-86,49	1.637
44-33-S	40,21	56,30	-4107,86	-115,81	2.079
44-34-S	40,21	56,30	-4116,16	-106,80	1.809
44-35-S	40,21	56,30	-4122,79	-99,61	1.605
44-36-S	40,21	56,30	-4129,37	-92,47	1.439
44-37-S	64,34	56,30	-4162,67	-79,97	1.263
44-38-S	64,34	56,30	-4173,11	-68,81	1.126
44-39-S	64,34	88,47	-9499,83	-199,03	2.295
44-40-S	64,34	112,59	-14363,79	-297,25	3.028
44-41-S	64,34	112,59	-14423,28	-260,28	2.765
44-42-S	64,34	112,59	-14447,33	-245,34	2.703
44-43-S	64,34	88,47	-11400,02	-194,26	2.145
44-44-S	64,34	56,30	-7276,84	-134,36	1.415
44-45-S	64,34	56,30	-7244,12	-153,78	1.521
44-46-S	64,34	56,30	-7207,94	-175,25	1.687
44-47-S	64,34	56,30	-7167,31	-199,36	1.926
44-48-S	64,34	56,30	-7109,58	-233,62	2.256
44-49-S	64,34	56,30	-7002,64	-297,07	2.808
44-50-S	64,34	56,30	8533,37	-9,84	2.665
44-51-S	64,34	56,30	8512,64	-22,46	2.380
44-52-S	64,34	56,30	8494,68	-33,40	2.137
44-53-S	64,34	56,30	8479,65	-42,56	1.860
44-54-S	64,34	56,30	8470,62	-48,06	1.700
44-55-S	64,34	56,30	8465,94	-50,91	1.616
44-56-S	64,34	56,30	8464,53	-51,78	1.582
44-57-S	64,34	56,30	8467,94	-49,70	1.604
44-58-S	64,34	56,30	8477,26	-44,02	1.704
44-59-S	64,34	56,30	8490,79	-35,77	1.865
44-60-S	64,34	56,30	8792,73	154,00	1.785
44-61-S	64,34	56,30	8794,56	155,16	1.609
44-62-S	64,34	56,30	8787,23	150,52	1.457
44-63-S	64,34	56,30	8756,45	131,03	1.312

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
44-64-S	64,34	56,30	8736,66	118,50	1.200
44-65-S	64,34	56,30	8726,08	111,80	1.111
44-66-S	64,34	56,30	8721,54	108,92	1.060
44-67-S	64,34	56,30	8715,47	105,08	1.029
44-68-S	64,34	56,30	8705,03	98,47	1.013
44-69-S	64,34	88,47	8736,90	92,64	1.022
44-70-S	64,34	112,59	8758,67	93,62	1.045
44-71-S	64,34	112,59	8771,29	101,42	1.085
44-72-S	64,34	112,59	8794,42	115,71	1.177
44-73-S	64,34	88,47	7292,00	94,72	1.083
44-74-S	88,47	56,30	6655,92	66,69	1.080
44-75-S	88,47	56,30	6664,14	75,93	1.184
44-76-S	88,47	56,30	6672,49	85,31	1.312
44-77-S	64,34	40,21	4863,05	65,65	1.044
44-78-S	64,34	40,21	4866,02	68,99	1.149
44-79-S	64,34	40,21	4868,13	71,37	1.260
44-80-S	64,34	40,21	4869,67	73,10	1.366
44-81-S	64,34	40,21	4871,45	75,10	1.491
44-82-S	40,21	40,21	3069,68	48,71	1.027
44-83-S	40,21	40,21	3070,87	50,02	1.120
44-84-S	40,21	40,21	3072,22	51,52	1.223
44-85-S	40,21	40,21	3073,84	53,32	1.347
44-86-S	40,21	40,21	3075,82	55,51	1.500
44-87-S	40,21	40,21	3078,30	58,26	1.681
44-88-S	40,21	40,21	3082,11	62,47	1.864
44-89-S	40,21	80,42	3105,87	68,90	2.089
44-90-S	40,21	80,42	3112,46	76,03	2.353
44-91-S	40,21	80,42	3120,94	85,22	2.692
44-92-S	40,21	80,42	3132,10	97,30	3.144
44-93-S	40,21	40,21	1803,11	38,58	2.120
44-94-S	40,21	40,21	1806,03	44,01	2.457
44-95-S	40,21	40,21	1809,87	51,13	2.909
44-96-S	40,21	40,21	1815,15	60,94	3.543
44-97-S	40,21	40,21	1822,98	75,48	4.500
44-98-S	40,21	40,21	1835,09	97,97	6.035
44-99-S	40,21	40,21	-1783,10	1,42	7.205
44-100-S	40,21	40,21	-1783,08	1,39	7.373
44-101-S	40,21	40,21	-1783,06	1,35	7.548
44-102-S	40,21	40,21	-1783,02	1,28	7.731
44-103-S	40,21	40,21	-1782,97	1,18	7.922
44-104-S	40,21	40,21	-1782,91	1,06	8.224
44-105-S	40,21	40,21	-1782,82	0,90	8.612
44-106-S	40,21	40,21	-1782,73	0,73	9.011
44-107-S	40,21	40,21	-1782,62	0,52	9.419
44-108-S	40,21	40,21	-1782,52	0,34	9.782
44-109-S	40,21	40,21	-1782,48	0,27	10.014
44-110-S	40,21	40,21	-1782,44	0,19	10.263
44-111-S	40,21	40,21	-1782,40	0,11	10.532
45-1-S	40,21	40,21	-1782,16	-0,33	10.294
45-2-S	40,21	40,21	-1782,24	-0,19	9.863
45-3-S	40,21	40,21	-1782,30	-0,08	9.492
45-4-S	40,21	40,21	-1782,35	0,01	9.177
45-5-S	40,21	40,21	-1782,47	0,24	8.966
45-6-S	40,21	40,21	-1782,62	0,52	8.786
45-7-S	40,21	40,21	-1782,76	0,79	8.535
45-8-S	40,21	40,21	-1782,89	1,03	8.231
45-9-S	40,21	40,21	-1783,00	1,23	7.959
45-10-S	40,21	40,21	-1783,06	1,36	7.868
45-11-S	40,21	40,21	-1783,13	1,48	7.789
45-12-S	40,21	40,21	-1783,18	1,58	7.716
45-13-S	40,21	40,21	-1783,20	1,62	7.723
45-14-S	40,21	40,21	-1783,20	1,60	7.811
45-15-S	40,21	40,21	-1783,17	1,55	7.910
45-16-S	40,21	40,21	-1716,22	-119,76	7.573
45-17-S	40,21	40,21	-1727,54	-99,25	6.180
45-18-S	40,21	40,21	-1735,32	-85,16	5.227
45-19-S	40,21	40,21	-1741,02	-74,84	4.529
45-20-S	40,21	64,34	-4203,63	-243,82	9.422
45-21-S	40,21	80,42	-5699,60	-304,79	10.720

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
45-22-S	40,21	80,42	-5735,47	-265,28	9.235
45-23-S	40,21	80,42	-5763,75	-234,14	8.100
45-24-S	40,21	56,30	-4078,47	-147,69	5.085
45-25-S	40,21	40,21	-2935,39	-97,04	3.248
45-26-S	40,21	40,21	-2940,49	-91,55	2.868
45-27-S	40,21	40,21	-2944,39	-87,36	2.577
45-28-S	40,21	40,21	-2947,48	-84,04	2.346
45-29-S	40,21	40,21	-2950,05	-81,28	2.156
45-30-S	40,21	40,21	-2954,17	-76,86	1.940
45-31-S	40,21	40,21	-2957,74	-73,03	1.768
45-32-S	40,21	40,21	-2960,73	-69,82	1.628
45-33-S	40,21	40,21	-2963,25	-67,10	1.508
45-34-S	40,21	56,30	-4133,47	-88,02	1.883
45-35-S	40,21	56,30	-4138,72	-82,32	1.674
45-36-S	40,21	56,30	-4142,67	-78,04	1.542
45-37-S	40,21	56,30	-4147,30	-73,01	1.444
45-38-S	40,21	56,30	-4154,51	-65,19	1.335
45-39-S	40,21	56,30	-4162,45	-56,57	1.240
45-40-S	40,21	64,34	-5763,15	-91,50	1.653
45-41-S	64,34	88,47	-9827,15	-172,23	2.732
45-42-S	64,34	112,59	-14430,77	-255,63	3.923
45-43-S	64,34	112,59	-14453,85	-241,29	4.003
45-44-S	64,34	104,55	-13457,73	-213,88	3.921
45-45-S	64,34	80,42	-10404,80	-161,06	3.237
45-46-S	64,34	56,30	-7302,89	-118,91	2.537
45-47-S	64,34	56,30	-7287,08	-128,29	2.919
45-48-S	64,34	56,30	8492,32	-34,84	2.855
45-49-S	64,34	56,30	8483,18	-40,41	2.516
45-50-S	64,34	56,30	8474,56	-45,66	2.240
45-51-S	64,34	56,30	8468,19	-49,55	1.954
45-52-S	64,34	56,30	8469,67	-48,64	1.552
45-53-S	64,34	56,30	8471,15	-47,74	1.286
45-54-S	64,34	56,30	8472,56	-46,88	1.099
45-55-S	72,38	56,30	9517,32	-51,49	1.089
45-56-S	64,34	56,30	8477,78	-43,70	1.012
45-57-S	64,34	56,30	8479,53	-42,64	1.123
45-58-S	64,34	56,30	8478,06	-43,53	1.301
45-59-S	64,34	56,30	8472,34	-47,02	1.590
45-60-S	64,34	56,30	8472,17	-47,12	1.880
45-61-S	64,34	56,30	8636,88	55,32	1.722
45-62-S	64,34	56,30	8641,21	58,06	1.575
45-63-S	64,34	56,30	8640,32	57,50	1.473
45-64-S	64,34	56,30	8641,55	58,28	1.403
45-65-S	64,34	56,30	8644,55	60,18	1.346
45-66-S	64,34	80,42	8680,14	62,43	1.302
45-67-S	64,34	104,55	8709,63	66,93	1.279
45-68-S	64,34	112,59	8727,94	74,63	1.273
45-69-S	64,34	112,59	8741,63	83,08	1.287
45-70-S	64,34	88,47	7806,90	75,17	1.191
45-71-S	88,47	64,34	8642,73	76,49	1.374
45-72-S	88,47	56,30	6641,50	50,49	1.102
45-73-S	88,47	56,30	6647,71	57,48	1.169
45-74-S	88,47	56,30	6653,49	63,97	1.256
45-75-S	88,47	40,21	6612,07	67,24	1.332
45-76-S	64,34	40,21	4850,56	51,60	1.047
45-77-S	64,34	40,21	4852,89	54,22	1.136
45-78-S	64,34	40,21	4855,02	56,61	1.237
45-79-S	64,34	40,21	4856,04	57,77	1.330
45-80-S	64,34	40,21	4857,59	59,51	1.435
45-81-S	64,34	40,21	4859,65	61,82	1.554
45-82-S	40,21	40,21	3062,44	40,68	1.069
45-83-S	40,21	40,21	3064,00	42,41	1.175
45-84-S	40,21	40,21	3064,94	43,45	1.293
45-85-S	40,21	40,21	3066,31	44,97	1.424
45-86-S	40,21	40,21	3069,04	48,00	1.558
45-87-S	40,21	56,30	3082,05	52,23	1.716
45-88-S	40,21	80,42	3095,22	57,37	1.909
45-89-S	40,21	80,42	3100,98	63,61	2.144
45-90-S	40,21	80,42	3108,06	71,28	2.440

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
45-91-S	40,21	64,34	2845,35	68,09	2.571
45-92-S	40,21	40,21	1799,08	31,08	1.845
45-93-S	40,21	40,21	1800,98	34,61	2.098
45-94-S	40,21	40,21	1803,47	39,24	2.434
45-95-S	40,21	40,21	1806,89	45,60	2.900
45-96-S	40,21	40,21	1811,93	54,95	3.589
45-97-S	40,21	40,21	1818,56	67,26	4.562
45-98-S	40,21	40,21	1822,35	74,30	5.429
45-99-S	40,21	40,21	1827,56	83,99	6.665
45-100-S	40,21	40,21	-1782,96	1,16	7.028
45-101-S	40,21	40,21	-1782,92	1,09	7.021
45-102-S	40,21	40,21	-1782,86	0,98	7.077
45-103-S	40,21	40,21	-1782,79	0,84	7.356
45-104-S	40,21	40,21	-1782,70	0,67	7.739
45-105-S	40,21	40,21	-1782,58	0,44	8.200
45-106-S	40,21	40,21	-1782,43	0,17	8.742
45-107-S	40,21	40,21	-1782,32	-0,03	9.266
45-108-S	40,21	40,21	-1782,34	-0,01	9.616
45-109-S	40,21	40,21	-1782,33	-0,01	9.974
45-110-S	40,21	40,21	-1782,32	-0,04	10.379
46-1-S	40,21	40,21	-1781,46	-1,47	10.852
46-2-S	40,21	40,21	-1781,63	-1,28	10.283
46-3-S	40,21	40,21	-1781,70	-1,16	9.787
46-4-S	40,21	40,21	-1781,73	-1,10	9.281
46-5-S	40,21	40,21	-1781,82	-0,94	8.792
46-6-S	40,21	40,21	-1782,06	-0,52	8.355
46-7-S	40,21	40,21	-1782,26	-0,14	7.960
46-8-S	40,21	40,21	-1782,42	0,14	7.637
46-9-S	40,21	40,21	-1782,52	0,34	7.387
46-10-S	40,21	40,21	-1782,56	0,42	7.438
46-11-S	40,21	40,21	-1782,55	0,39	7.604
46-12-S	40,21	40,21	-1782,50	0,30	7.827
46-13-S	40,21	40,21	-1782,42	0,16	8.092
46-14-S	40,21	40,21	-1782,35	0,01	8.375
46-15-S	40,21	40,21	-1724,32	-105,08	7.894
46-16-S	40,21	40,21	-1734,51	-86,62	6.378
46-17-S	40,21	40,21	-1741,45	-74,05	5.351
46-18-S	40,21	40,21	-1746,52	-64,88	4.612
46-19-S	40,21	40,21	-1750,39	-57,86	4.055
46-20-S	40,21	40,21	-1988,45	-67,69	4.095
46-21-S	40,21	64,34	-4264,95	-171,00	7.609
46-22-S	40,21	80,42	-5782,42	-213,56	8.781
46-23-S	40,21	80,42	-5807,07	-186,41	7.659
46-24-S	40,21	80,42	-5824,76	-166,94	6.850
46-25-S	40,21	56,30	-4114,78	-108,30	4.404
46-26-S	40,21	40,21	-2957,76	-73,00	2.902
46-27-S	40,21	40,21	-2960,77	-69,77	2.675
46-28-S	40,21	40,21	-2962,63	-67,77	2.475
46-29-S	40,21	40,21	-2964,91	-65,32	2.266
46-30-S	40,21	40,21	-2968,70	-61,25	2.036
46-31-S	40,21	40,21	-2971,59	-58,15	1.866
46-32-S	40,21	40,21	-2973,86	-55,71	1.737
46-33-S	40,21	40,21	-2975,68	-53,75	1.639
46-34-S	40,21	40,21	-2977,29	-52,02	1.560
46-35-S	40,21	40,21	-2978,98	-50,21	1.491
46-36-S	40,21	40,21	-2980,75	-48,31	1.419
46-37-S	40,21	40,21	-2982,51	-46,42	1.345
46-38-S	40,21	40,21	-2983,91	-44,91	1.300
46-39-S	40,21	40,21	-2985,90	-42,78	1.270
46-40-S	40,21	40,21	-2989,12	-39,32	1.230
46-41-S	40,21	56,30	-4168,73	-49,76	1.700
46-42-S	40,21	56,30	-4771,64	-59,34	1.980
46-43-S	40,21	72,38	4023,60	-15,77	2.249
46-44-S	40,21	80,42	4462,00	-21,82	2.203
46-45-S	56,30	96,51	6811,64	-41,05	2.957
46-46-S	56,30	104,55	7445,86	-52,37	2.883
46-47-S	56,30	96,51	7435,25	-55,83	2.564
46-48-S	56,30	88,47	7431,14	-55,37	2.218
46-49-S	56,30	80,42	7428,09	-54,40	1.944

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
46-50-S	56,30	64,34	7414,93	-53,48	1.729
46-51-S	56,30	56,30	7411,35	-50,21	1.488
46-52-S	56,30	56,30	7421,90	-43,81	1.208
46-53-S	56,30	56,30	7429,01	-39,49	1.023
46-54-S	72,38	56,30	9524,95	-46,83	1.148
46-55-S	72,38	56,30	9528,01	-44,96	1.062
46-56-S	72,38	56,30	9523,64	-47,63	1.147
46-57-S	56,30	56,30	7427,74	-40,26	1.009
46-58-S	56,30	56,30	7420,67	-44,55	1.195
46-59-S	56,30	56,30	7412,29	-49,64	1.453
46-60-S	56,30	64,34	7413,28	-54,48	1.778
46-61-S	56,30	80,42	7555,79	23,30	1.754
46-62-S	56,30	88,47	7567,48	26,63	1.645
46-63-S	56,30	96,51	7579,09	29,35	1.543
46-64-S	56,30	104,55	7431,52	32,16	1.444
46-65-S	56,30	96,51	6956,99	34,31	1.324
46-66-S	56,30	80,42	6316,93	33,39	1.177
46-67-S	56,30	72,38	5681,24	31,40	1.050
46-68-S	72,38	56,30	6250,03	34,50	1.165
46-69-S	72,38	56,30	5445,15	29,65	1.024
46-70-S	72,38	40,21	5421,10	32,98	1.038
46-71-S	72,38	40,21	5423,90	36,14	1.073
46-72-S	72,38	40,21	5425,86	38,35	1.106
46-73-S	72,38	40,21	5427,28	39,96	1.139
46-74-S	72,38	40,21	5428,75	41,62	1.201
46-75-S	72,38	40,21	5430,37	43,46	1.279
46-76-S	56,30	40,21	4246,42	35,62	1.063
46-77-S	56,30	40,21	4248,06	37,46	1.129
46-78-S	56,30	40,21	4249,61	39,20	1.204
46-79-S	56,30	40,21	4250,39	40,07	1.291
46-80-S	56,30	40,21	4251,32	41,12	1.388
46-81-S	40,21	40,21	3053,18	30,42	1.074
46-82-S	40,21	40,21	3054,15	31,49	1.158
46-83-S	40,21	40,21	3055,34	32,81	1.251
46-84-S	40,21	40,21	3057,84	35,59	1.353
46-85-S	40,21	56,30	3069,93	38,95	1.475
46-86-S	40,21	80,42	3081,51	42,53	1.621
46-87-S	40,21	80,42	3085,03	46,33	1.792
46-88-S	40,21	80,42	3089,28	50,94	2.003
46-89-S	40,21	64,34	2828,38	47,96	2.072
46-90-S	40,21	40,21	2048,27	28,31	1.680
46-91-S	40,21	40,21	1795,02	23,55	1.630
46-92-S	40,21	40,21	1796,26	25,85	1.825
46-93-S	40,21	40,21	1797,81	28,74	2.072
46-94-S	40,21	40,21	1799,82	32,46	2.398
46-95-S	40,21	40,21	1802,52	37,47	2.847
46-96-S	40,21	40,21	1805,46	42,94	3.409
46-97-S	40,21	40,21	1806,32	44,53	3.857
46-98-S	40,21	40,21	1807,38	46,51	4.429
46-99-S	40,21	40,21	1808,69	48,93	5.171
46-100-S	40,21	40,21	1809,77	50,95	6.043
46-101-S	40,21	40,21	1809,73	50,87	6.869
46-102-S	40,21	40,21	-1782,06	-0,50	7.363
46-103-S	40,21	40,21	-1781,97	-0,68	7.652
46-104-S	40,21	40,21	-1781,86	-0,87	8.048
46-105-S	40,21	40,21	-1781,80	-0,98	8.461
46-106-S	40,21	40,21	-1781,79	-0,99	8.911
46-107-S	40,21	40,21	-1781,85	-0,88	9.352
46-108-S	40,21	40,21	-1781,88	-0,83	9.862
46-109-S	40,21	40,21	-1781,83	-0,81	10.507
47-1-S	40,21	40,21	-1778,55	-3,11	15.184
47-2-S	40,21	40,21	-1780,49	-3,35	10.315
47-3-S	40,21	40,21	-1780,57	-3,21	9.622
47-4-S	40,21	40,21	-1780,59	-3,17	9.032
47-5-S	40,21	40,21	-1780,62	-3,11	8.553
47-6-S	40,21	40,21	-1780,68	-3,01	8.212
47-7-S	40,21	40,21	-1780,77	-2,84	7.947
47-8-S	40,21	40,21	-1780,88	-2,65	7.725
47-9-S	40,21	40,21	-1780,91	-2,59	7.832

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
47-10-S	40,21	40,21	-1780,95	-2,52	7.945
47-11-S	40,21	40,21	-1780,98	-2,47	8.074
47-12-S	40,21	40,21	-1780,98	-2,46	8.230
47-13-S	40,21	40,21	-1741,71	-73,59	7.723
47-14-S	40,21	40,21	-1741,51	-73,95	7.097
47-15-S	40,21	40,21	-1744,36	-68,78	6.287
47-16-S	40,21	40,21	-1748,57	-61,17	5.441
47-17-S	40,21	40,21	-1752,59	-53,87	4.709
47-18-S	40,21	40,21	-1755,73	-48,20	4.141
47-19-S	40,21	40,21	-1758,21	-43,69	3.691
47-20-S	40,21	40,21	-1760,23	-40,04	3.327
47-21-S	40,21	48,25	-2582,44	-68,82	4.410
47-22-S	40,21	64,34	-4263,02	-122,30	6.530
47-23-S	40,21	80,42	-5829,81	-161,37	7.991
47-24-S	40,21	80,42	-5843,70	-146,07	7.225
47-25-S	40,21	72,38	-5282,10	-120,38	5.950
47-26-S	40,21	56,30	-4134,78	-86,60	4.276
47-27-S	40,21	40,21	-2972,08	-57,62	2.848
47-28-S	40,21	40,21	-2975,48	-53,97	2.699
47-29-S	40,21	40,21	-2978,39	-50,84	2.565
47-30-S	40,21	40,21	-2980,79	-48,27	2.420
47-31-S	40,21	40,21	-2982,81	-46,09	2.278
47-32-S	40,21	40,21	-2984,61	-44,16	2.149
47-33-S	40,21	40,21	-2986,23	-42,42	2.032
47-34-S	40,21	40,21	-2987,47	-41,09	1.951
47-35-S	40,21	40,21	-2988,33	-40,17	1.916
47-36-S	40,21	40,21	-2989,08	-39,36	1.898
47-37-S	40,21	40,21	-2989,89	-38,49	1.878
47-38-S	40,21	40,21	-2990,97	-37,33	1.846
47-39-S	40,21	40,21	-2992,18	-36,03	1.816
47-40-S	40,21	40,21	-2992,68	-35,49	1.853
47-41-S	40,21	40,21	3014,45	-12,05	1.736
47-42-S	40,21	40,21	3014,17	-12,34	1.572
47-43-S	40,21	40,21	3013,80	-12,74	1.403
47-44-S	40,21	40,21	3013,52	-13,04	1.232
47-45-S	40,21	40,21	3013,24	-13,34	1.100
47-46-S	48,25	40,21	3606,56	-16,17	1.183
47-47-S	48,25	40,21	4157,60	-21,19	1.223
47-48-S	48,25	48,25	4163,79	-22,27	1.113
47-49-S	48,25	48,25	4714,92	-26,57	1.155
47-50-S	48,25	56,30	4721,33	-26,76	1.053
47-51-S	64,34	56,30	6271,29	-35,68	1.279
47-52-S	64,34	48,25	6993,79	-39,59	1.309
47-53-S	64,34	48,25	6995,24	-38,52	1.228
47-54-S	64,34	40,21	6981,60	-38,45	1.218
47-55-S	64,34	48,25	6994,60	-38,99	1.235
47-56-S	64,34	48,25	6993,07	-40,12	1.290
47-57-S	64,34	56,30	6271,53	-35,48	1.238
47-58-S	64,34	56,30	6271,89	-35,18	1.353
47-59-S	64,34	48,25	6261,04	-34,92	1.503
47-60-S	64,34	48,25	5252,52	-27,91	1.392
47-61-S	64,34	40,21	5436,03	12,67	1.454
47-62-S	64,34	40,21	4814,70	11,25	1.216
47-63-S	64,34	40,21	4816,32	13,07	1.170
47-64-S	64,34	40,21	4818,19	15,19	1.148
47-65-S	64,34	40,21	4819,82	17,01	1.127
47-66-S	64,34	40,21	4821,18	18,54	1.106
47-67-S	64,34	40,21	4822,76	20,33	1.112
47-68-S	64,34	40,21	4823,88	21,58	1.126
47-69-S	64,34	40,21	4824,94	22,78	1.141
47-70-S	64,34	40,21	4825,80	23,74	1.164
47-71-S	64,34	40,21	4826,71	24,76	1.189
47-72-S	64,34	40,21	4827,75	25,93	1.213
47-73-S	64,34	40,21	4828,78	27,10	1.252
47-74-S	64,34	40,21	4829,72	28,15	1.319
47-75-S	48,25	40,21	3641,48	22,13	1.047
47-76-S	48,25	40,21	3642,41	23,16	1.102
47-77-S	48,25	40,21	3643,47	24,34	1.158
47-78-S	40,21	40,21	3044,44	20,74	1.017

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
47-79-S	40,21	40,21	3044,71	21,03	1.072
47-80-S	40,21	40,21	3045,03	21,40	1.135
47-81-S	40,21	40,21	3045,68	22,11	1.206
47-82-S	40,21	56,30	3056,12	23,81	1.295
47-83-S	40,21	72,38	3064,55	26,55	1.406
47-84-S	40,21	80,42	3069,71	29,75	1.536
47-85-S	40,21	80,42	3073,32	33,66	1.693
47-86-S	40,21	64,34	2815,33	32,48	1.718
47-87-S	40,21	48,25	2300,29	24,52	1.551
47-88-S	40,21	40,21	1791,01	16,09	1.322
47-89-S	40,21	40,21	1791,68	17,35	1.453
47-90-S	40,21	40,21	1792,50	18,88	1.614
47-91-S	40,21	40,21	1793,53	20,78	1.814
47-92-S	40,21	40,21	1794,84	23,22	2.071
47-93-S	40,21	40,21	1796,13	25,61	2.369
47-94-S	40,21	40,21	1797,14	27,48	2.693
47-95-S	40,21	40,21	1797,65	28,44	3.013
47-96-S	40,21	40,21	1797,40	27,97	3.284
47-97-S	40,21	40,21	1796,77	26,80	3.557
47-98-S	40,21	40,21	1795,93	25,24	3.853
47-99-S	40,21	40,21	1794,92	23,36	4.201
47-100-S	40,21	40,21	1793,68	21,05	4.592
47-101-S	40,21	40,21	1792,17	18,26	5.027
47-102-S	40,21	40,21	1790,72	15,57	5.468
47-103-S	40,21	40,21	1790,09	14,40	5.882
47-104-S	40,21	40,21	1789,35	13,01	6.328
47-105-S	40,21	40,21	1788,26	10,99	6.779
47-106-S	40,21	40,21	1786,98	8,62	7.288
47-107-S	24,13	24,13	1072,91	4,85	6.842
48-1-S	40,21	40,21	-1776,44	-5,95	18.477
48-2-S	40,21	40,21	-1778,50	-6,96	10.665
48-3-S	40,21	40,21	-1778,57	-6,83	9.919
48-4-S	40,21	40,21	-1778,63	-6,72	9.269
48-5-S	40,21	40,21	-1778,67	-6,65	8.719
48-6-S	40,21	40,21	-1778,59	-6,80	8.377
48-7-S	40,21	40,21	-1778,42	-7,09	8.372
48-8-S	40,21	40,21	-1778,29	-7,33	8.606
48-9-S	40,21	40,21	-1778,11	-7,66	8.885
48-10-S	40,21	40,21	-1777,90	-8,05	9.193
48-11-S	40,21	40,21	-1757,35	-45,25	8.510
48-12-S	40,21	40,21	-1755,62	-48,40	7.860
48-13-S	40,21	40,21	-1755,20	-49,15	7.157
48-14-S	40,21	40,21	-1755,17	-49,21	6.521
48-15-S	40,21	40,21	-1755,23	-49,10	5.973
48-16-S	40,21	40,21	-1756,31	-47,14	5.383
48-17-S	40,21	40,21	-1758,28	-43,57	4.773
48-18-S	40,21	40,21	-1760,66	-39,27	4.204
48-19-S	40,21	40,21	-1762,78	-35,42	3.794
48-20-S	40,21	40,21	-1764,65	-32,03	3.472
48-21-S	40,21	40,21	-1766,25	-29,14	3.197
48-22-S	40,21	48,25	-2404,48	-41,54	4.003
48-23-S	40,21	64,34	-3954,71	-76,45	5.975
48-24-S	40,21	72,38	-5293,85	-107,51	7.231
48-25-S	40,21	80,42	-5877,98	-108,31	7.464
48-26-S	40,21	72,38	-5310,61	-89,13	6.390
48-27-S	40,21	56,30	-4156,06	-63,51	4.744
48-28-S	40,21	48,25	-3575,55	-49,72	3.877
48-29-S	40,21	40,21	-2990,45	-37,89	3.079
48-30-S	40,21	40,21	-2993,17	-34,97	2.898
48-31-S	40,21	40,21	-2994,94	-33,07	2.767
48-32-S	40,21	40,21	-2995,78	-32,17	2.734
48-33-S	40,21	40,21	-2996,58	-31,30	2.709
48-34-S	40,21	40,21	-2997,45	-30,38	2.679
48-35-S	40,21	40,21	-2998,44	-29,31	2.639
48-36-S	40,21	40,21	3007,89	-19,05	2.466
48-37-S	40,21	40,21	3008,47	-18,44	2.182
48-38-S	40,21	40,21	3008,88	-17,99	1.941
48-39-S	40,21	40,21	3009,22	-17,64	1.748
48-40-S	40,21	40,21	3009,49	-17,34	1.589

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
48-41-S	40,21	40,21	3009,73	-17,09	1.457
48-42-S	40,21	40,21	3010,05	-16,74	1.323
48-43-S	40,21	40,21	3010,41	-16,37	1.198
48-44-S	40,21	40,21	3010,72	-16,03	1.093
48-45-S	40,21	40,21	3010,98	-15,75	1.005
48-46-S	64,34	40,21	4782,06	-24,56	1.473
48-47-S	64,34	40,21	4782,48	-24,10	1.377
48-48-S	64,34	40,21	4782,84	-23,71	1.297
48-49-S	64,34	40,21	4783,16	-23,37	1.232
48-50-S	64,34	40,21	4783,49	-23,01	1.178
48-51-S	64,34	40,21	4783,76	-22,72	1.137
48-52-S	64,34	40,21	4783,96	-22,50	1.108
48-53-S	64,34	40,21	4783,99	-22,46	1.105
48-54-S	64,34	40,21	4783,91	-22,55	1.131
48-55-S	64,34	40,21	4783,76	-22,72	1.172
48-56-S	64,34	40,21	4783,61	-22,88	1.218
48-57-S	64,34	40,21	4783,39	-23,12	1.282
48-58-S	64,34	40,21	4783,08	-23,45	1.366
48-59-S	64,34	40,21	4782,58	-23,99	1.475
48-60-S	64,34	40,21	4812,21	8,45	1.513
48-61-S	64,34	40,21	4813,02	9,36	1.467
48-62-S	64,34	40,21	4813,69	10,11	1.445
48-63-S	64,34	40,21	4814,37	10,88	1.420
48-64-S	64,34	40,21	4815,09	11,69	1.394
48-65-S	64,34	40,21	4815,86	12,56	1.367
48-66-S	64,34	40,21	4816,57	13,36	1.364
48-67-S	64,34	40,21	4817,16	14,02	1.381
48-68-S	64,34	40,21	4817,83	14,78	1.400
48-69-S	64,34	40,21	4818,65	15,70	1.419
48-70-S	64,34	40,21	4819,51	16,67	1.439
48-71-S	64,34	40,21	4820,37	17,63	1.461
48-72-S	64,34	40,21	4820,80	18,12	1.516
48-73-S	64,34	40,21	4821,33	18,72	1.578
48-74-S	40,21	40,21	3036,80	12,27	1.036
48-75-S	40,21	40,21	3037,41	12,95	1.081
48-76-S	40,21	40,21	3038,09	13,70	1.129
48-77-S	40,21	48,25	3043,68	14,51	1.188
48-78-S	40,21	56,30	3048,74	15,73	1.251
48-79-S	40,21	72,38	3056,04	17,31	1.321
48-80-S	40,21	80,42	3059,82	19,05	1.397
48-81-S	40,21	72,38	3059,54	21,11	1.489
48-82-S	40,21	64,34	2551,40	16,98	1.354
48-83-S	40,21	48,25	2041,92	12,26	1.180
48-84-S	40,21	40,21	1787,86	10,24	1.118
48-85-S	40,21	40,21	1788,39	11,24	1.213
48-86-S	40,21	40,21	1789,03	12,43	1.326
48-87-S	40,21	40,21	1789,80	13,85	1.462
48-88-S	40,21	40,21	1790,60	15,33	1.625
48-89-S	40,21	40,21	1791,10	16,27	1.796
48-90-S	40,21	40,21	1791,25	16,54	1.964
48-91-S	40,21	40,21	1791,14	16,35	2.131
48-92-S	40,21	40,21	1790,97	16,03	2.316
48-93-S	40,21	40,21	1790,70	15,53	2.518
48-94-S	40,21	40,21	1790,35	14,88	2.748
48-95-S	40,21	40,21	1789,72	13,70	2.965
48-96-S	40,21	40,21	1788,66	11,73	3.147
48-97-S	40,21	40,21	1787,43	9,46	3.327
48-98-S	40,21	40,21	1786,09	6,96	3.515
48-99-S	40,21	40,21	1784,58	4,16	3.725
48-100-S	40,21	40,21	1783,25	1,69	3.967
48-101-S	40,21	40,21	1782,79	0,83	4.296
48-102-S	40,21	40,21	1782,25	-0,17	4.688
48-103-S	40,21	40,21	1781,60	-1,34	5.157
48-104-S	24,13	24,13	1069,27	-0,43	5.822
49-1-S	32,17	32,17	-1419,03	-8,90	15.920
49-2-S	32,17	32,17	-1421,51	-10,09	8.524
49-3-S	40,21	40,21	-1774,97	-13,35	10.023
49-4-S	40,21	40,21	-1774,62	-13,98	9.915
49-5-S	40,21	40,21	-1774,28	-14,59	9.810

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
49-6-S	40,21	40,21	-1773,96	-15,17	9.868
49-7-S	40,21	40,21	-1773,68	-15,69	10.104
49-8-S	40,21	40,21	-1773,41	-16,17	10.338
49-9-S	40,21	40,21	-1774,04	-15,04	10.227
49-10-S	40,21	40,21	-1770,64	-21,19	9.777
49-11-S	40,21	40,21	-1768,20	-25,61	9.128
49-12-S	40,21	40,21	-1766,41	-28,86	8.323
49-13-S	40,21	40,21	-1765,12	-31,18	7.514
49-14-S	40,21	40,21	-1764,10	-33,03	6.835
49-15-S	40,21	40,21	-1763,28	-34,53	6.265
49-16-S	40,21	40,21	-1762,74	-35,49	5.878
49-17-S	40,21	40,21	-1763,14	-34,77	5.498
49-18-S	40,21	40,21	-1764,51	-32,30	5.017
49-19-S	40,21	40,21	-1766,52	-28,65	4.491
49-20-S	40,21	40,21	-1768,35	-25,33	4.036
49-21-S	40,21	40,21	-1769,86	-22,60	3.661
49-22-S	40,21	40,21	-1770,99	-20,56	3.400
49-23-S	40,21	40,21	-2015,09	-25,27	3.724
49-24-S	40,21	56,30	-3145,93	-40,66	5.524
49-25-S	40,21	64,34	-3974,25	-50,97	6.563
49-26-S	40,21	72,38	2755,40	-40,04	6.590
49-27-S	40,21	80,42	3000,86	-43,51	6.211
49-28-S	40,21	72,38	3002,10	-40,09	5.430
49-29-S	40,21	56,30	2999,18	-37,33	4.690
49-30-S	40,21	48,25	2997,40	-35,23	4.121
49-31-S	40,21	40,21	2994,68	-33,17	3.645
49-32-S	40,21	40,21	2996,52	-31,20	3.247
49-33-S	40,21	40,21	2998,40	-29,20	2.888
49-34-S	40,21	40,21	3000,02	-27,47	2.572
49-35-S	40,21	40,21	3001,32	-26,08	2.313
49-36-S	40,21	40,21	3002,42	-24,91	2.098
49-37-S	40,21	40,21	3003,37	-23,89	1.906
49-38-S	40,21	40,21	3004,19	-23,01	1.734
49-39-S	40,21	40,21	3004,90	-22,25	1.582
49-40-S	40,21	40,21	3005,51	-21,60	1.455
49-41-S	40,21	40,21	3006,00	-21,07	1.351
49-42-S	40,21	40,21	3006,44	-20,61	1.261
49-43-S	40,21	40,21	3006,83	-20,19	1.181
49-44-S	40,21	40,21	3007,24	-19,75	1.105
49-45-S	40,21	40,21	3007,58	-19,38	1.048
49-46-S	40,21	40,21	3007,87	-19,08	1.005
49-47-S	48,25	40,21	3600,67	-22,49	1.154
49-48-S	48,25	40,21	3600,96	-22,18	1.112
49-49-S	48,25	40,21	3601,19	-21,93	1.079
49-50-S	48,25	40,21	3601,24	-21,87	1.072
49-51-S	48,25	40,21	3601,27	-21,84	1.069
49-52-S	48,25	40,21	3601,30	-21,81	1.068
49-53-S	48,25	40,21	3601,32	-21,79	1.070
49-54-S	48,25	40,21	3601,19	-21,93	1.095
49-55-S	48,25	40,21	3600,91	-22,23	1.143
49-56-S	40,21	40,21	3008,05	-18,88	1.005
49-57-S	40,21	40,21	3007,72	-19,23	1.061
49-58-S	40,21	40,21	3007,41	-19,57	1.117
49-59-S	40,21	40,21	3027,74	2,23	1.142
49-60-S	40,21	40,21	3027,91	2,43	1.121
49-61-S	40,21	40,21	3028,21	2,75	1.099
49-62-S	40,21	40,21	3028,62	3,21	1.075
49-63-S	40,21	40,21	3029,13	3,78	1.051
49-64-S	40,21	40,21	3029,47	4,15	1.045
49-65-S	40,21	40,21	3029,66	4,36	1.055
49-66-S	40,21	40,21	3029,90	4,62	1.063
49-67-S	40,21	40,21	3030,17	4,92	1.071
49-68-S	40,21	40,21	3030,51	5,30	1.079
49-69-S	40,21	40,21	3030,98	5,82	1.086
49-70-S	40,21	40,21	3031,43	6,32	1.118
49-71-S	40,21	40,21	3032,00	6,95	1.154
49-72-S	40,21	48,25	3037,60	7,81	1.191
49-73-S	40,21	56,30	3042,36	8,74	1.231
49-74-S	40,21	72,38	3049,12	9,78	1.275

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
49-75-S	40,21	80,42	3052,33	10,93	1.329
49-76-S	40,21	72,38	2799,15	10,47	1.286
49-77-S	40,21	64,34	2545,80	9,71	1.233
49-78-S	40,21	56,30	2292,38	8,69	1.170
49-79-S	40,21	40,21	2035,50	7,42	1.094
49-80-S	40,21	40,21	1785,58	6,02	1.008
49-81-S	40,21	40,21	1785,83	6,48	1.067
49-82-S	40,21	40,21	1786,17	7,11	1.150
49-83-S	40,21	40,21	1786,57	7,86	1.251
49-84-S	40,21	40,21	1787,04	8,72	1.369
49-85-S	40,21	40,21	1787,37	9,34	1.490
49-86-S	40,21	40,21	1787,48	9,54	1.605
49-87-S	40,21	40,21	1787,40	9,40	1.715
49-88-S	40,21	40,21	1787,30	9,22	1.839
49-89-S	40,21	40,21	1787,08	8,81	1.980
49-90-S	40,21	40,21	1786,69	8,08	2.143
49-91-S	40,21	40,21	1786,12	7,02	2.314
49-92-S	40,21	40,21	1785,43	5,74	2.475
49-93-S	40,21	40,21	1784,65	4,28	2.623
49-94-S	40,21	40,21	1783,76	2,64	2.783
49-95-S	40,21	40,21	1782,73	0,73	2.956
49-96-S	40,21	40,21	1781,56	-1,41	3.109
49-97-S	40,21	40,21	1780,56	-3,20	3.255
49-98-S	40,21	40,21	1779,88	-4,44	3.407
49-99-S	40,21	40,21	1779,22	-5,61	3.572
49-100-S	32,17	32,17	1424,08	-5,41	3.170
49-101-S	16,08	16,08	712,41	-2,70	3.186
50-1-S	32,17	32,17	-1414,08	-17,10	22.885
50-2-S	32,17	32,17	-1415,09	-19,84	12.047
50-3-S	40,21	40,21	-1767,43	-27,00	12.551
50-4-S	40,21	40,21	-1766,85	-28,06	12.488
50-5-S	40,21	40,21	-1766,32	-29,02	12.405
50-6-S	40,21	40,21	-1765,85	-29,87	12.378
50-7-S	40,21	40,21	-1765,51	-30,48	12.335
50-8-S	40,21	40,21	-1765,51	-30,47	12.106
50-9-S	40,21	40,21	-1765,58	-30,35	11.858
50-10-S	40,21	40,21	-1765,69	-30,16	11.595
50-11-S	40,21	40,21	-1778,19	-7,51	11.199
50-12-S	40,21	40,21	-1775,21	-12,92	10.108
50-13-S	40,21	40,21	-1773,71	-15,62	9.144
50-14-S	40,21	40,21	-1772,66	-17,52	8.353
50-15-S	40,21	40,21	-1771,79	-19,10	7.675
50-16-S	40,21	40,21	-1771,05	-20,44	7.092
50-17-S	40,21	40,21	-1770,57	-21,32	6.554
50-18-S	40,21	40,21	-1771,00	-20,53	5.914
50-19-S	40,21	40,21	-1772,16	-18,44	5.271
50-20-S	40,21	40,21	-1773,18	-16,60	4.929
50-21-S	40,21	40,21	-1774,09	-14,93	4.621
50-22-S	40,21	40,21	-1774,90	-13,47	4.342
50-23-S	40,21	40,21	-1775,58	-12,24	4.098
50-24-S	40,21	40,21	1771,66	-19,25	3.700
50-25-S	40,21	48,25	2019,74	-23,08	3.760
50-26-S	40,21	48,25	2264,46	-26,65	3.664
50-27-S	40,21	56,30	2511,64	-30,47	3.578
50-28-S	40,21	64,34	2515,56	-28,74	3.202
50-29-S	40,21	72,38	2761,61	-32,91	3.176
50-30-S	40,21	72,38	3004,68	-37,37	3.151
50-31-S	40,21	64,34	3004,20	-35,24	2.831
50-32-S	40,21	56,30	3003,29	-32,97	2.516
50-33-S	40,21	48,25	3001,16	-31,24	2.272
50-34-S	40,21	40,21	2997,73	-29,91	2.081
50-35-S	40,21	40,21	2998,63	-28,95	1.932
50-36-S	40,21	40,21	2999,32	-28,22	1.811
50-37-S	40,21	40,21	2999,95	-27,54	1.703
50-38-S	40,21	40,21	3000,58	-26,86	1.600
50-39-S	40,21	40,21	3001,20	-26,21	1.505
50-40-S	40,21	40,21	3001,76	-25,61	1.420
50-41-S	40,21	40,21	3002,30	-25,03	1.341
50-42-S	40,21	40,21	3002,81	-24,48	1.269

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
50-43-S	40,21	40,21	3003,18	-24,09	1.219
50-44-S	40,21	40,21	3003,43	-23,82	1.184
50-45-S	40,21	40,21	3003,67	-23,57	1.153
50-46-S	40,21	40,21	3003,86	-23,36	1.125
50-47-S	40,21	40,21	3004,01	-23,20	1.102
50-48-S	40,21	40,21	3003,99	-23,22	1.103
50-49-S	40,21	40,21	3003,89	-23,33	1.115
50-50-S	40,21	40,21	3003,79	-23,44	1.129
50-51-S	40,21	40,21	3003,73	-23,50	1.140
50-52-S	40,21	40,21	3003,70	-23,54	1.150
50-53-S	40,21	40,21	3003,61	-23,63	1.169
50-54-S	40,21	40,21	3003,24	-24,02	1.218
50-55-S	40,21	40,21	3002,85	-24,44	1.272
50-56-S	40,21	40,21	3002,39	-24,94	1.337
50-57-S	40,21	40,21	3025,79	0,07	1.367
50-58-S	40,21	40,21	3025,90	0,19	1.333
50-59-S	40,21	40,21	3026,00	0,31	1.300
50-60-S	40,21	40,21	3026,10	0,42	1.269
50-61-S	40,21	40,21	3026,34	0,68	1.267
50-62-S	40,21	40,21	3026,67	1,05	1.272
50-63-S	40,21	40,21	3027,07	1,50	1.276
50-64-S	40,21	48,25	3032,34	2,02	1.282
50-65-S	40,21	56,30	3036,77	2,61	1.286
50-66-S	40,21	64,34	3040,51	3,25	1.290
50-67-S	40,21	72,38	3043,70	3,90	1.322
50-68-S	40,21	72,38	2793,63	3,95	1.251
50-69-S	40,21	64,34	2541,27	3,82	1.172
50-70-S	40,21	56,30	2539,01	4,31	1.205
50-71-S	40,21	48,25	2286,09	3,92	1.115
50-72-S	40,21	48,25	2036,48	3,42	1.020
50-73-S	48,25	40,21	2134,55	3,32	1.116
50-74-S	48,25	40,21	2134,68	3,57	1.169
50-75-S	40,21	40,21	1784,07	3,20	1.025
50-76-S	40,21	40,21	1784,20	3,46	1.079
50-77-S	40,21	40,21	1784,35	3,74	1.138
50-78-S	40,21	40,21	1784,47	3,96	1.199
50-79-S	40,21	40,21	1784,57	4,14	1.261
50-80-S	40,21	40,21	1784,61	4,22	1.337
50-81-S	40,21	40,21	1784,46	3,94	1.413
50-82-S	40,21	40,21	1784,24	3,53	1.496
50-83-S	40,21	40,21	1784,00	3,08	1.595
50-84-S	40,21	40,21	1783,72	2,56	1.705
50-85-S	40,21	40,21	1783,40	1,97	1.830
50-86-S	40,21	40,21	1783,04	1,30	1.971
50-87-S	40,21	40,21	1782,56	0,42	2.109
50-88-S	40,21	40,21	1781,90	-0,80	2.215
50-89-S	40,21	40,21	1781,11	-2,22	2.334
50-90-S	40,21	40,21	1780,21	-3,84	2.466
50-91-S	40,21	40,21	1779,29	-5,49	2.611
50-92-S	40,21	40,21	1778,59	-6,75	2.745
50-93-S	40,21	40,21	1778,14	-7,58	2.871
50-94-S	40,21	40,21	1777,63	-8,48	3.007
50-95-S	32,17	32,17	1421,98	-7,32	3.081
50-96-S	16,08	16,08	710,98	-3,77	3.237
51-1-S	24,13	24,13	-1054,41	-24,07	26.813
51-2-S	24,13	24,13	-1055,26	-26,65	13.726
51-3-S	40,21	40,21	-1755,70	-48,04	15.722
51-4-S	40,21	40,21	-1755,72	-48,22	14.940
51-5-S	40,21	40,21	-1755,77	-48,13	14.336
51-6-S	40,21	40,21	-1755,90	-47,89	13.800
51-7-S	40,21	40,21	-1756,04	-47,63	13.387
51-8-S	40,21	40,21	-1755,52	-48,58	13.267
51-9-S	40,21	40,21	1755,20	-48,89	12.905
51-10-S	40,21	40,21	1757,04	-45,57	11.653
51-11-S	40,21	40,21	1758,64	-42,70	10.543
51-12-S	40,21	40,21	1760,05	-40,15	9.539
51-13-S	40,21	40,21	1761,30	-37,90	8.675
51-14-S	40,21	40,21	1762,40	-35,91	7.912
51-15-S	40,21	40,21	1763,39	-34,13	7.230

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
51-16-S	40,21	40,21	1764,29	-32,52	6.619
51-17-S	40,21	40,21	1765,17	-30,93	6.052
51-18-S	40,21	40,21	1766,33	-28,85	5.419
51-19-S	40,21	40,21	1767,59	-26,56	4.789
51-20-S	40,21	40,21	1768,87	-24,26	4.200
51-21-S	40,21	40,21	1769,95	-22,32	3.713
51-22-S	40,21	40,21	1770,79	-20,80	3.325
51-23-S	40,21	40,21	1771,47	-19,57	3.008
51-24-S	40,21	40,21	1772,23	-18,21	2.666
51-25-S	40,21	40,21	1772,87	-17,06	2.378
51-26-S	40,21	40,21	1773,36	-16,17	2.151
51-27-S	40,21	40,21	1773,76	-15,47	1.968
51-28-S	40,21	40,21	2018,89	-19,11	2.067
51-29-S	40,21	48,25	2022,69	-18,42	1.912
51-30-S	40,21	48,25	2267,68	-22,12	1.975
51-31-S	40,21	56,30	2271,16	-21,32	1.830
51-32-S	40,21	56,30	2515,79	-25,21	1.885
51-33-S	40,21	56,30	2516,42	-24,41	1.761
51-34-S	40,21	56,30	2760,34	-28,51	1.811
51-35-S	40,21	56,30	2761,03	-27,72	1.702
51-36-S	40,21	56,30	3004,26	-31,95	1.745
51-37-S	40,21	48,25	3001,23	-31,16	1.656
51-38-S	40,21	56,30	3005,54	-30,59	1.588
51-39-S	40,21	48,25	3002,28	-30,04	1.529
51-40-S	40,21	48,25	3002,68	-29,61	1.481
51-41-S	40,21	48,25	3003,02	-29,25	1.438
51-42-S	40,21	40,21	2998,54	-29,05	1.407
51-43-S	40,21	40,21	2998,59	-29,00	1.384
51-44-S	40,21	40,21	2998,63	-28,95	1.365
51-45-S	40,21	40,21	2998,67	-28,91	1.353
51-46-S	40,21	40,21	2998,64	-28,94	1.354
51-47-S	40,21	40,21	2998,66	-28,92	1.361
51-48-S	40,21	40,21	2998,71	-28,87	1.369
51-49-S	40,21	40,21	2998,78	-28,79	1.381
51-50-S	40,21	40,21	2998,85	-28,72	1.394
51-51-S	40,21	48,25	3003,22	-29,04	1.431
51-52-S	40,21	48,25	3002,87	-29,42	1.474
51-53-S	40,21	48,25	3002,49	-29,82	1.520
51-54-S	40,21	56,30	3005,78	-30,33	1.575
51-55-S	40,21	48,25	3029,46	-1,12	1.595
51-56-S	40,21	56,30	3033,42	-1,02	1.555
51-57-S	40,21	56,30	2784,44	-0,70	1.390
51-58-S	40,21	56,30	2784,64	-0,47	1.392
51-59-S	40,21	56,30	2535,56	-0,18	1.274
51-60-S	40,21	56,30	2535,71	0,00	1.279
51-61-S	40,21	56,30	2286,46	0,14	1.157
51-62-S	40,21	48,25	2283,58	0,27	1.159
51-63-S	40,21	48,25	2034,55	0,29	1.034
51-64-S	40,21	40,21	2031,24	0,46	1.047
51-65-S	48,25	40,21	2133,05	0,52	1.127
51-66-S	48,25	40,21	2133,15	0,70	1.155
51-67-S	48,25	40,21	2133,24	0,89	1.184
51-68-S	40,21	40,21	1782,83	0,91	1.015
51-69-S	40,21	40,21	1782,91	1,05	1.041
51-70-S	40,21	40,21	1782,96	1,16	1.069
51-71-S	40,21	40,21	1782,95	1,13	1.117
51-72-S	40,21	40,21	1782,90	1,03	1.166
51-73-S	40,21	40,21	1782,81	0,87	1.215
51-74-S	40,21	40,21	1782,69	0,64	1.265
51-75-S	40,21	40,21	1782,54	0,37	1.317
51-76-S	40,21	40,21	1782,38	0,08	1.373
51-77-S	40,21	40,21	1782,15	-0,34	1.431
51-78-S	40,21	40,21	1781,81	-0,96	1.494
51-79-S	40,21	40,21	1781,44	-1,62	1.562
51-80-S	40,21	40,21	1781,04	-2,34	1.635
51-81-S	40,21	40,21	1780,61	-3,12	1.715
51-82-S	40,21	40,21	1780,13	-3,98	1.809
51-83-S	40,21	40,21	1779,64	-4,86	1.918
51-84-S	40,21	40,21	1779,16	-5,74	2.021

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
51-85-S	40,21	40,21	1778,65	-6,65	2.113
51-86-S	40,21	40,21	1778,17	-7,52	2.213
51-87-S	40,21	40,21	1777,72	-8,33	2.324
51-88-S	40,21	40,21	1777,24	-9,20	2.445
51-89-S	40,21	40,21	1776,63	-10,10	2.607
51-90-S	24,13	24,13	1066,49	-6,29	2.405
51-91-S	8,04	8,04	356,31	-2,18	1.688
52-1-S	16,08	16,08	699,69	-22,27	21.838
52-2-S	16,08	16,08	702,08	-21,65	10.001
52-3-S	32,17	32,17	1402,80	-41,91	12.201
52-4-S	40,21	40,21	1754,67	-49,84	11.359
52-5-S	40,21	40,21	1756,04	-47,37	10.367
52-6-S	40,21	40,21	1757,13	-45,41	9.550
52-7-S	40,21	40,21	1758,07	-43,73	8.847
52-8-S	40,21	40,21	1758,87	-42,27	8.248
52-9-S	40,21	40,21	1759,50	-41,14	7.715
52-10-S	40,21	40,21	1760,40	-39,52	7.120
52-11-S	40,21	40,21	1761,75	-37,08	6.448
52-12-S	40,21	40,21	1763,04	-34,78	5.846
52-13-S	40,21	40,21	1764,12	-32,82	5.340
52-14-S	40,21	40,21	1765,09	-31,07	4.899
52-15-S	40,21	40,21	1766,00	-29,44	4.502
52-16-S	40,21	40,21	1766,99	-27,64	4.095
52-17-S	40,21	40,21	1767,85	-26,10	3.749
52-18-S	40,21	40,21	1768,60	-24,76	3.451
52-19-S	40,21	40,21	1769,26	-23,56	3.191
52-20-S	40,21	40,21	1769,87	-22,47	2.960
52-21-S	40,21	40,21	1770,44	-21,44	2.745
52-22-S	40,21	40,21	1771,10	-20,24	2.505
52-23-S	40,21	40,21	1771,69	-19,19	2.292
52-24-S	40,21	40,21	1772,18	-18,30	2.112
52-25-S	40,21	40,21	1772,61	-17,53	1.956
52-26-S	40,21	40,21	1772,98	-16,87	1.819
52-27-S	40,21	40,21	1773,31	-16,27	1.697
52-28-S	40,21	40,21	1773,66	-15,64	1.578
52-29-S	40,21	40,21	1773,96	-15,10	1.479
52-30-S	40,21	40,21	1774,20	-14,66	1.394
52-31-S	40,21	40,21	1774,41	-14,29	1.324
52-32-S	40,21	40,21	1774,58	-13,98	1.264
52-33-S	40,21	40,21	1774,73	-13,70	1.211
52-34-S	40,21	40,21	1774,88	-13,43	1.164
52-35-S	40,21	40,21	1775,03	-13,18	1.123
52-36-S	40,21	40,21	1775,16	-12,94	1.084
52-37-S	40,21	40,21	2020,62	-16,38	1.193
52-38-S	40,21	40,21	2020,78	-16,12	1.156
52-39-S	40,21	48,25	2024,24	-15,98	1.133
52-40-S	40,21	48,25	2024,27	-15,93	1.121
52-41-S	40,21	48,25	2024,28	-15,92	1.118
52-42-S	40,21	48,25	2024,27	-15,93	1.118
52-43-S	40,21	40,21	2020,91	-15,92	1.118
52-44-S	40,21	48,25	2024,25	-15,97	1.122
52-45-S	40,21	48,25	2024,23	-15,99	1.123
52-46-S	40,21	48,25	2024,21	-16,03	1.128
52-47-S	40,21	48,25	2024,16	-16,11	1.143
52-48-S	40,21	40,21	2020,70	-16,25	1.167
52-49-S	40,21	40,21	2020,57	-16,45	1.198
52-50-S	40,21	40,21	1775,15	-12,96	1.084
52-51-S	40,21	40,21	1775,03	-13,17	1.118
52-52-S	40,21	40,21	1781,85	-0,88	1.099
52-53-S	40,21	40,21	1781,83	-0,92	1.070
52-54-S	40,21	40,21	1781,82	-0,93	1.065
52-55-S	40,21	40,21	1781,81	-0,95	1.070
52-56-S	40,21	40,21	1781,81	-0,96	1.075
52-57-S	40,21	40,21	1781,81	-0,96	1.079
52-58-S	40,21	40,21	1781,81	-0,96	1.082
52-59-S	40,21	40,21	1781,80	-0,97	1.084
52-60-S	40,21	40,21	1781,79	-0,99	1.085
52-61-S	40,21	40,21	1781,77	-1,03	1.105
52-62-S	40,21	40,21	1781,74	-1,09	1.130

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
52-63-S	40,21	40,21	1781,68	-1,18	1.153
52-64-S	40,21	40,21	1781,63	-1,29	1.177
52-65-S	40,21	40,21	1781,54	-1,44	1.198
52-66-S	40,21	40,21	1781,46	-1,59	1.220
52-67-S	40,21	40,21	1781,36	-1,76	1.243
52-68-S	40,21	40,21	1781,12	-2,20	1.287
52-69-S	40,21	40,21	1780,85	-2,68	1.335
52-70-S	40,21	40,21	1780,57	-3,18	1.383
52-71-S	40,21	40,21	1780,28	-3,71	1.430
52-72-S	40,21	40,21	1779,98	-4,24	1.477
52-73-S	40,21	40,21	1779,68	-4,79	1.523
52-74-S	40,21	40,21	1779,32	-5,44	1.566
52-75-S	40,21	40,21	1778,92	-6,17	1.611
52-76-S	40,21	40,21	1778,50	-6,91	1.660
52-77-S	40,21	40,21	1778,06	-7,72	1.715
52-78-S	40,21	40,21	1777,63	-8,49	1.778
52-79-S	40,21	40,21	1777,27	-9,13	1.859
52-80-S	40,21	40,21	1776,99	-9,64	1.952
52-81-S	40,21	40,21	1776,68	-10,20	2.054
52-82-S	40,21	40,21	1776,31	-10,86	2.162
52-83-S	32,17	32,17	1421,06	-9,01	2.191
52-84-S	16,08	16,08	711,56	-4,60	1.713
52-85-S	8,04	8,04	355,76	-2,35	1.785
53-1-S	16,08	16,08	701,64	-18,32	16.144
53-2-S	16,08	16,08	703,43	-17,83	7.401
53-3-S	24,13	24,13	1055,54	-26,02	6.810
53-4-S	32,17	32,17	1407,73	-33,88	6.405
53-5-S	40,21	40,21	1759,20	-41,69	6.638
53-6-S	40,21	40,21	1759,50	-41,14	6.300
53-7-S	40,21	40,21	1759,83	-40,56	5.984
53-8-S	40,21	40,21	1760,47	-39,39	5.618
53-9-S	40,21	40,21	1761,81	-36,98	5.116
53-10-S	40,21	40,21	1763,17	-34,54	4.644
53-11-S	40,21	40,21	1764,40	-32,31	4.230
53-12-S	40,21	40,21	1765,53	-30,29	3.866
53-13-S	40,21	40,21	1766,33	-28,84	3.586
53-14-S	40,21	40,21	1767,01	-27,62	3.348
53-15-S	40,21	40,21	1767,63	-26,50	3.132
53-16-S	40,21	40,21	1768,19	-25,48	2.939
53-17-S	40,21	40,21	1768,70	-24,58	2.769
53-18-S	40,21	40,21	1769,18	-23,72	2.611
53-19-S	40,21	40,21	1769,73	-22,72	2.433
53-20-S	40,21	40,21	1770,24	-21,81	2.275
53-21-S	40,21	40,21	1770,69	-20,99	2.136
53-22-S	40,21	40,21	1771,09	-20,27	2.016
53-23-S	40,21	40,21	1771,43	-19,65	1.911
53-24-S	40,21	40,21	1771,75	-19,08	1.815
53-25-S	40,21	40,21	1772,05	-18,54	1.729
53-26-S	40,21	40,21	1772,33	-18,04	1.653
53-27-S	40,21	40,21	1772,59	-17,57	1.582
53-28-S	40,21	40,21	1772,84	-17,12	1.514
53-29-S	40,21	40,21	1773,06	-16,71	1.451
53-30-S	40,21	40,21	1773,28	-16,32	1.391
53-31-S	40,21	40,21	1773,47	-15,97	1.337
53-32-S	40,21	40,21	1773,65	-15,65	1.289
53-33-S	40,21	40,21	1773,76	-15,46	1.260
53-34-S	40,21	40,21	1773,82	-15,35	1.243
53-35-S	40,21	40,21	1773,87	-15,26	1.228
53-36-S	40,21	40,21	1773,92	-15,17	1.214
53-37-S	40,21	40,21	1773,96	-15,09	1.200
53-38-S	40,21	40,21	1774,01	-15,01	1.187
53-39-S	40,21	40,21	1774,05	-14,93	1.174
53-40-S	40,21	40,21	1774,08	-14,89	1.167
53-41-S	40,21	40,21	1774,06	-14,93	1.172
53-42-S	40,21	40,21	1773,99	-15,05	1.189
53-43-S	40,21	40,21	1773,91	-15,19	1.210
53-44-S	40,21	40,21	1773,83	-15,33	1.231
53-45-S	40,21	40,21	1773,74	-15,49	1.254
53-46-S	40,21	40,21	1773,66	-15,65	1.277

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
53-47-S	40,21	40,21	1773,56	-15,81	1.301
53-48-S	40,21	40,21	1781,42	-1,66	1.303
53-49-S	40,21	40,21	1781,33	-1,81	1.277
53-50-S	40,21	40,21	1781,24	-1,97	1.274
53-51-S	40,21	40,21	1781,15	-2,14	1.280
53-52-S	40,21	40,21	1781,05	-2,32	1.284
53-53-S	40,21	40,21	1780,94	-2,51	1.286
53-54-S	40,21	40,21	1780,83	-2,72	1.286
53-55-S	40,21	40,21	1780,73	-2,91	1.285
53-56-S	40,21	40,21	1780,62	-3,09	1.283
53-57-S	40,21	40,21	1780,50	-3,32	1.289
53-58-S	40,21	40,21	1780,32	-3,65	1.314
53-59-S	40,21	40,21	1780,12	-3,99	1.340
53-60-S	40,21	40,21	1779,93	-4,35	1.364
53-61-S	40,21	40,21	1779,73	-4,71	1.386
53-62-S	40,21	40,21	1779,53	-5,07	1.409
53-63-S	40,21	40,21	1779,33	-5,42	1.429
53-64-S	40,21	40,21	1779,08	-5,88	1.457
53-65-S	40,21	40,21	1778,76	-6,45	1.493
53-66-S	40,21	40,21	1778,43	-7,05	1.533
53-67-S	40,21	40,21	1778,07	-7,70	1.575
53-68-S	40,21	40,21	1777,69	-8,38	1.620
53-69-S	40,21	40,21	1777,32	-9,04	1.665
53-70-S	40,21	40,21	1776,98	-9,65	1.709
53-71-S	40,21	40,21	1776,66	-10,23	1.744
53-72-S	40,21	40,21	1776,38	-10,74	1.776
53-73-S	40,21	40,21	1776,13	-11,19	1.807
53-74-S	40,21	40,21	1775,91	-11,59	1.837
53-75-S	32,17	32,17	1421,27	-9,49	1.689
53-76-S	24,13	24,13	1065,93	-7,32	1.732
53-77-S	16,08	16,08	710,54	-5,02	1.811
53-78-S	8,04	8,04	355,23	-2,59	1.897
54-1-S	8,04	8,04	351,88	-8,04	6.297
54-2-S	8,04	8,04	353,34	-7,87	2.951
54-3-S	16,08	16,08	705,59	-15,34	3.674
54-4-S	24,13	24,13	1058,06	-22,06	3.904
54-5-S	32,17	32,17	1410,86	-27,94	3.952
54-6-S	40,21	40,21	1763,76	-33,48	3.952
54-7-S	40,21	40,21	1764,47	-32,20	3.702
54-8-S	40,21	40,21	1765,10	-31,06	3.482
54-9-S	40,21	40,21	1765,23	-30,82	3.367
54-10-S	40,21	40,21	1765,41	-30,51	3.253
54-11-S	40,21	40,21	1765,69	-30,00	3.127
54-12-S	40,21	40,21	1766,06	-29,32	2.992
54-13-S	40,21	40,21	1766,66	-28,25	2.821
54-14-S	40,21	40,21	1767,36	-26,98	2.634
54-15-S	40,21	40,21	1767,99	-25,84	2.469
54-16-S	40,21	40,21	1768,52	-24,89	2.331
54-17-S	40,21	40,21	1768,97	-24,08	2.214
54-18-S	40,21	40,21	1769,38	-23,34	2.107
54-19-S	40,21	40,21	1769,74	-22,70	2.014
54-20-S	40,21	40,21	1770,04	-22,16	1.934
54-21-S	40,21	40,21	1770,30	-21,69	1.865
54-22-S	40,21	40,21	1770,52	-21,29	1.806
54-23-S	40,21	40,21	1770,74	-20,89	1.748
54-24-S	40,21	40,21	1770,97	-20,49	1.691
54-25-S	40,21	40,21	1771,20	-20,06	1.634
54-26-S	40,21	40,21	1771,43	-19,66	1.579
54-27-S	40,21	40,21	1771,65	-19,27	1.528
54-28-S	40,21	40,21	1771,73	-19,11	1.502
54-29-S	40,21	40,21	1771,79	-19,00	1.482
54-30-S	40,21	40,21	1771,85	-18,90	1.462
54-31-S	40,21	40,21	1771,92	-18,78	1.443
54-32-S	40,21	40,21	1771,99	-18,65	1.423
54-33-S	40,21	40,21	1772,06	-18,52	1.404
54-34-S	40,21	40,21	1772,12	-18,41	1.390
54-35-S	40,21	40,21	1772,12	-18,41	1.389
54-36-S	40,21	40,21	1772,09	-18,46	1.394
54-37-S	40,21	40,21	1772,07	-18,51	1.399

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
54-38-S	40,21	40,21	1772,03	-18,57	1.406
54-39-S	40,21	40,21	1771,97	-18,69	1.420
54-40-S	40,21	40,21	1771,87	-18,87	1.442
54-41-S	40,21	40,21	1771,73	-19,11	1.472
54-42-S	40,21	40,21	1781,02	-2,37	1.500
54-43-S	40,21	40,21	1780,83	-2,71	1.485
54-44-S	40,21	40,21	1780,64	-3,07	1.472
54-45-S	40,21	40,21	1780,44	-3,42	1.459
54-46-S	40,21	40,21	1780,25	-3,76	1.450
54-47-S	40,21	40,21	1780,07	-4,10	1.456
54-48-S	40,21	40,21	1779,88	-4,43	1.464
54-49-S	40,21	40,21	1779,69	-4,77	1.473
54-50-S	40,21	40,21	1779,48	-5,15	1.482
54-51-S	40,21	40,21	1779,26	-5,56	1.493
54-52-S	40,21	40,21	1779,01	-6,00	1.505
54-53-S	40,21	40,21	1778,75	-6,48	1.519
54-54-S	40,21	40,21	1778,48	-6,96	1.532
54-55-S	40,21	40,21	1778,21	-7,43	1.546
54-56-S	40,21	40,21	1777,95	-7,91	1.560
54-57-S	40,21	40,21	1777,71	-8,34	1.572
54-58-S	40,21	40,21	1777,47	-8,78	1.588
54-59-S	40,21	40,21	1777,19	-9,28	1.612
54-60-S	40,21	40,21	1776,90	-9,81	1.639
54-61-S	40,21	40,21	1776,62	-10,31	1.665
54-62-S	40,21	40,21	1776,33	-10,84	1.693
54-63-S	40,21	40,21	1776,02	-11,38	1.735
54-64-S	40,21	40,21	1775,76	-11,85	1.776
54-65-S	32,17	32,17	1420,96	-9,75	1.679
54-66-S	24,13	24,13	1066,15	-7,50	1.549
54-67-S	16,08	16,08	711,28	-5,09	1.363
54-68-S	8,04	8,04	356,29	-2,59	1.034
54-69-S	8,04	8,04	354,89	-2,62	2.082
55-1-S	16,08	8,04	694,42	-13,00	9.645
55-2-S	8,04	8,04	353,66	-6,41	2.309
55-3-S	16,08	16,08	706,08	-12,69	3.105
55-4-S	16,08	16,08	707,00	-12,69	2.367
55-5-S	24,13	24,13	1059,36	-18,92	2.828
55-6-S	32,17	32,17	1411,77	-25,07	3.102
55-7-S	32,17	32,17	1412,91	-24,67	2.586
55-8-S	40,21	40,21	1765,82	-29,63	2.726
55-9-S	40,21	40,21	1766,47	-28,59	2.550
55-10-S	40,21	40,21	1766,95	-27,72	2.422
55-11-S	40,21	40,21	1767,36	-26,99	2.315
55-12-S	40,21	40,21	1767,54	-26,65	2.250
55-13-S	40,21	40,21	1767,67	-26,42	2.199
55-14-S	40,21	40,21	1767,81	-26,18	2.149
55-15-S	40,21	40,21	1767,97	-25,89	2.098
55-16-S	40,21	40,21	1768,12	-25,62	2.052
55-17-S	40,21	40,21	1768,34	-25,22	1.998
55-18-S	40,21	40,21	1768,57	-24,81	1.946
55-19-S	40,21	40,21	1768,78	-24,43	1.895
55-20-S	40,21	40,21	1769,02	-24,00	1.842
55-21-S	40,21	40,21	1769,22	-23,64	1.794
55-22-S	40,21	40,21	1769,27	-23,54	1.772
55-23-S	40,21	40,21	1769,32	-23,46	1.752
55-24-S	40,21	40,21	1769,39	-23,33	1.729
55-25-S	40,21	40,21	1769,47	-23,18	1.705
55-26-S	40,21	40,21	1769,59	-22,97	1.677
55-27-S	40,21	40,21	1769,70	-22,77	1.652
55-28-S	40,21	40,21	1769,80	-22,59	1.635
55-29-S	40,21	40,21	1769,86	-22,48	1.623
55-30-S	40,21	40,21	1769,90	-22,42	1.617
55-31-S	40,21	40,21	1769,90	-22,42	1.617
55-32-S	40,21	40,21	1769,85	-22,50	1.626
55-33-S	40,21	40,21	1769,76	-22,67	1.645
55-34-S	40,21	40,21	1769,62	-22,91	1.673
55-35-S	40,21	40,21	1780,61	-3,11	1.679
55-36-S	40,21	40,21	1780,35	-3,58	1.661
55-37-S	40,21	40,21	1780,10	-4,04	1.655

Is	Afi [cmq]	Afs [cmq]	M_u [kNm]	N_u [kN]	FS
55-38-S	40,21	40,21	1779,84	-4,50	1.650
55-39-S	40,21	40,21	1779,60	-4,94	1.645
55-40-S	40,21	40,21	1779,36	-5,38	1.641
55-41-S	40,21	40,21	1779,11	-5,82	1.639
55-42-S	40,21	40,21	1778,84	-6,30	1.647
55-43-S	40,21	40,21	1778,55	-6,83	1.660
55-44-S	40,21	40,21	1778,24	-7,39	1.678
55-45-S	40,21	40,21	1777,91	-7,98	1.697
55-46-S	40,21	40,21	1777,58	-8,57	1.716
55-47-S	40,21	40,21	1777,27	-9,14	1.732
55-48-S	40,21	40,21	1776,99	-9,64	1.741
55-49-S	40,21	40,21	1776,74	-10,08	1.745
55-50-S	40,21	40,21	1776,46	-10,46	1.761
55-51-S	32,17	32,17	1421,84	-8,59	1.558
55-52-S	32,17	32,17	1420,78	-8,83	1.796
55-53-S	24,13	24,13	1066,08	-6,81	1.592
55-54-S	16,08	16,08	711,46	-4,67	1.296
55-55-S	16,08	16,08	710,47	-4,79	1.660
55-56-S	8,04	8,04	355,85	-2,47	1.202
55-57-S	16,08	8,04	698,59	-4,99	4.808
56-1-S	8,04	8,04	352,61	-5,89	5.842
56-2-S	8,04	8,04	353,09	-5,76	2.800
56-3-S	8,04	8,04	353,84	-5,64	1.794
56-4-S	8,04	8,04	354,55	-5,53	1.295
56-5-S	16,08	16,08	707,06	-10,98	2.083
56-6-S	16,08	16,08	707,53	-11,01	1.801
56-7-S	16,08	16,08	707,98	-11,06	1.586
56-8-S	24,13	24,13	1060,28	-16,62	2.117
56-9-S	24,13	24,13	1060,77	-16,61	1.899
56-10-S	24,13	24,13	1061,35	-16,40	1.705
56-11-S	32,17	32,17	1413,67	-21,57	2.114
56-12-S	32,17	32,17	1414,01	-21,47	1.988
56-13-S	32,17	32,17	1414,33	-21,40	1.877
56-14-S	32,17	32,17	1414,66	-21,34	1.776
56-15-S	32,17	32,17	1414,94	-21,35	1.690
56-16-S	32,17	32,17	1415,08	-21,43	1.641
56-17-S	32,17	32,17	1415,18	-21,41	1.608
56-18-S	32,17	32,17	1415,34	-21,29	1.571
56-19-S	40,21	40,21	1767,53	-26,34	1.913
56-20-S	40,21	40,21	1767,78	-26,06	1.864
56-21-S	40,21	40,21	1768,04	-25,76	1.816
56-22-S	40,21	40,21	1768,09	-25,51	1.818
56-23-S	40,21	40,21	1768,04	-25,42	1.837
56-24-S	32,17	32,17	1415,85	-20,38	1.496
56-25-S	32,17	32,17	1415,70	-20,47	1.527
56-26-S	32,17	32,17	1415,51	-20,64	1.568
56-27-S	32,17	32,17	1425,21	-2,85	1.585
56-28-S	32,17	32,17	1424,68	-3,29	1.637
56-29-S	32,17	32,17	1424,13	-3,76	1.712
56-30-S	32,17	32,17	1423,59	-4,21	1.792
56-31-S	32,17	32,17	1423,07	-4,64	1.878
56-32-S	24,13	24,13	1068,37	-3,78	1.480
56-33-S	24,13	24,13	1067,73	-4,07	1.607
56-34-S	24,13	24,13	1067,08	-4,36	1.764
56-35-S	16,08	16,08	712,40	-3,10	1.307
56-36-S	16,08	16,08	711,81	-3,30	1.468
56-37-S	16,08	16,08	711,21	-3,50	1.681
56-38-S	8,04	8,04	356,59	-1,87	1.029
56-39-S	8,04	8,04	355,89	-1,96	1.373
56-40-S	8,04	8,04	355,14	-2,06	2.061
56-41-S	8,04	8,04	354,68	-2,15	4.126

Verifiche geotecniche

Carico limite

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 $((P_u+P_{up})/\eta)$, 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	41998,78	0,00	407310,37	0,00	177091,47	41998,78	4.217 (1)

Scorrimento

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	18113,61	16466,91	8.667 (1)

Ribaltamento

Armature

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
137	EG	Lungo	Superiore	X	1 ϕ 32	2,24
157	FA	Lungo	Superiore	X	1 ϕ 32	4,29
158	FB	Lungo	Superiore	X	1 ϕ 32	6,56
159	FC	Lungo	Superiore	X	1 ϕ 32	4,29
165	FI	Lungo	Superiore	X	1 ϕ 32	7,14
166	FJ	Lungo	Superiore	X	1 ϕ 32	4,00
167	FK	Lungo	Superiore	X	1 ϕ 32	4,00
173	FQ	Lungo	Superiore	X	1 ϕ 32	3,73
174	FR	Lungo	Superiore	X	1 ϕ 32	7,69
175	FS	Lungo	Superiore	X	1 ϕ 32	3,73

n°	Gruppo	Tipo	Lembo	Dir	nf ϕ	L
					[mm]	[m]
191	GI	Lungo	Superiore	X	2 ϕ 32	3,99
192	GJ	Lungo	Superiore	X	2 ϕ 32	4,00
193	GK	Lungo	Superiore	X	2 ϕ 32	8,92
199	GQ	Lungo	Superiore	X	2 ϕ 32	9,17
200	GR	Lungo	Superiore	X	2 ϕ 32	3,87
201	GS	Lungo	Superiore	X	2 ϕ 32	3,87
227	HS	Lungo	Superiore	X	1 ϕ 32	10,28
228	HT	Lungo	Superiore	X	1 ϕ 32	3,69
229	HU	Lungo	Superiore	X	1 ϕ 32	3,69
240	IF	Lungo	Superiore	X	1 ϕ 32	3,53
241	IG	Lungo	Superiore	X	1 ϕ 32	10,59
242	IH	Lungo	Superiore	X	1 ϕ 32	3,53
258	IX	Lungo	Superiore	X	2 ϕ 32	3,67
259	IY	Lungo	Superiore	X	2 ϕ 32	10,83
260	IZ	Lungo	Superiore	X	2 ϕ 32	3,67
271	JK	Lungo	Superiore	X	2 ϕ 32	3,62
272	JL	Lungo	Superiore	X	2 ϕ 32	10,93
273	JM	Lungo	Superiore	X	2 ϕ 32	3,62
285	JY	Lungo	Superiore	X	1 ϕ 32	3,78
286	JZ	Lungo	Superiore	X	1 ϕ 32	3,78
287	KA	Lungo	Superiore	X	1 ϕ 32	10,59
288	KB	Lungo	Superiore	X	1 ϕ 32	10,28
289	KC	Lungo	Superiore	X	1 ϕ 32	3,93
290	KD	Lungo	Superiore	X	1 ϕ 32	3,93
291	KE	Lungo	Superiore	X	3 ϕ 32	2,49
292	KF	Lungo	Superiore	X	1 ϕ 32	3,61
293	KG	Lungo	Superiore	X	1 ϕ 32	3,61
294	KH	Lungo	Superiore	X	1 ϕ 32	9,69
295	KI	Lungo	Superiore	X	3 ϕ 32	2,49
296	KJ	Lungo	Superiore	X	1 ϕ 32	8,07
297	KK	Lungo	Superiore	X	1 ϕ 32	3,29
298	KL	Lungo	Superiore	X	1 ϕ 32	3,29
299	KM	Lungo	Superiore	X	1 ϕ 32	3,48
300	KN	Lungo	Superiore	X	1 ϕ 32	3,48
301	KO	Lungo	Superiore	X	1 ϕ 32	7,69
302	KP	Lungo	Superiore	X	1 ϕ 32	3,75
303	KQ	Lungo	Superiore	X	1 ϕ 32	3,75
304	KR	Lungo	Superiore	X	1 ϕ 32	7,14
305	KS	Lungo	Superiore	X	1 ϕ 32	4,04
306	KT	Lungo	Superiore	X	1 ϕ 32	6,56
307	KU	Lungo	Superiore	X	1 ϕ 32	4,04
313	LA	Lungo	Inferiore	X	2 ϕ 32	2,24
314	LB	Lungo	Inferiore	X	2 ϕ 32	2,24
325	LM	Lungo	Inferiore	X	2 ϕ 32	2,19
326	LN	Lungo	Inferiore	X	2 ϕ 32	2,19
327	LO	Lungo	Inferiore	X	2 ϕ 32	2,30
328	LP	Lungo	Inferiore	X	2 ϕ 32	2,30
429	PM	Lungo	Inferiore	X	1 ϕ 32	3,98
442	PZ	Lungo	Inferiore	X	2 ϕ 32	9,69
458	QP	Lungo	Inferiore	X	6 ϕ 32	10,97
477	RI	Lungo	Inferiore	X	3 ϕ 32	11,46
490	RV	Lungo	Inferiore	X	4 ϕ 32	2,49
494	RZ	Lungo	Inferiore	X	2 ϕ 32	11,24
507	SM	Lungo	Inferiore	X	3 ϕ 32	11,74
508	SN	Lungo	Inferiore	X	3 ϕ 32	11,71
509	SO	Lungo	Inferiore	X	3 ϕ 32	2,74
510	SP	Lungo	Inferiore	X	4 ϕ 32	2,98
511	SQ	Lungo	Inferiore	X	3 ϕ 32	9,44
512	SR	Lungo	Inferiore	X	2 ϕ 32	3,73
513	SS	Lungo	Inferiore	X	2 ϕ 32	8,45
514	ST	Lungo	Inferiore	X	2 ϕ 32	4,73
515	SU	Lungo	Inferiore	X	2 ϕ 32	6,22
516	SV	Lungo	Inferiore	X	2 ϕ 32	5,95
517	SW	Lungo	Inferiore	X	1 ϕ 32	4,24
518	SX	Lungo	Inferiore	X	1 ϕ 32	5,98
524	TD	Lungo	Inferiore	Y	2 ϕ 32	2,24
525	TE	Lungo	Inferiore	Y	2 ϕ 32	2,24
536	TP	Lungo	Inferiore	Y	2 ϕ 32	2,19

n°	Gruppo	Tipo	Lembo	Dir	nf ϕ	L
					[mm]	[m]
537	TQ	Lungo	Inferiore	Y	2 ϕ 32	2,19
538	TR	Lungo	Inferiore	Y	2 ϕ 32	2,30
539	TS	Lungo	Inferiore	Y	2 ϕ 32	2,30
577	VE	Lungo	Inferiore	Y	2 ϕ 32	2,49
593	VU	Lungo	Inferiore	Y	1 ϕ 32	2,49
624	WZ	Lungo	Inferiore	Y	1 ϕ 32	5,47
640	XP	Lungo	Inferiore	Y	3 ϕ 32	6,21
656	YF	Lungo	Inferiore	Y	4 ϕ 32	10,69
666	YP	Lungo	Inferiore	Y	2 ϕ 32	3,48
673	YW	Lungo	Inferiore	Y	3 ϕ 32	2,63
674	YX	Lungo	Inferiore	Y	3 ϕ 32	12,00
684	ZH	Lungo	Inferiore	Y	6 ϕ 32	2,99
691	ZO	Lungo	Inferiore	Y	3 ϕ 32	3,98
692	ZP	Lungo	Inferiore	Y	6 ϕ 32	2,87
693	ZQ	Lungo	Inferiore	Y	6 ϕ 32	12,00
709	[G	Lungo	Inferiore	Y	3 ϕ 32	2,74
710	[H	Lungo	Inferiore	Y	4 ϕ 32	11,99
726	[X	Lungo	Inferiore	Y	4 ϕ 32	4,24
727	[Y	Lungo	Inferiore	Y	4 ϕ 32	2,91
728	[Z	Lungo	Inferiore	Y	4 ϕ 32	12,00
729		Lungo	Inferiore	Y	3 ϕ 32	2,49
730		Lungo	Inferiore	Y	1 ϕ 32	2,05
731		Lungo	Inferiore	Y	3 ϕ 32	11,96
732		Lungo	Inferiore	Y	2 ϕ 32	2,49
733		Lungo	Inferiore	Y	2 ϕ 32	3,73
734		Lungo	Inferiore	Y	2 ϕ 32	7,70
735		Lungo	Inferiore	Y	1 ϕ 32	9,69
736		Lungo	Inferiore	Y	3 ϕ 32	8,71
737		Lungo	Inferiore	Y	1 ϕ 32	3,97
738		Lungo	Inferiore	Y	1 ϕ 32	2,24
744		Lungo	Superiore	Y	2 ϕ 32	2,24
745		Lungo	Superiore	Y	2 ϕ 32	2,24
756]B	Lungo	Superiore	Y	2 ϕ 32	2,19
757]C	Lungo	Superiore	Y	2 ϕ 32	2,19
894	bJ	Lungo	Superiore	Y	2 ϕ 32	4,04
895	bK	Lungo	Superiore	Y	2 ϕ 32	6,56
896	bL	Lungo	Superiore	Y	2 ϕ 32	4,04
902	bR	Lungo	Superiore	Y	2 ϕ 32	3,75
903	bS	Lungo	Superiore	Y	2 ϕ 32	3,75
904	bT	Lungo	Superiore	Y	2 ϕ 32	7,14
925	cO	Lungo	Superiore	Y	2 ϕ 32	8,92
926	cP	Lungo	Superiore	Y	2 ϕ 32	3,99
927	cQ	Lungo	Superiore	Y	2 ϕ 32	4,74
933	cW	Lungo	Superiore	Y	2 ϕ 32	4,62
934	cX	Lungo	Superiore	Y	2 ϕ 32	3,87
935	cY	Lungo	Superiore	Y	2 ϕ 32	9,17
961	dY	Lungo	Superiore	Y	2 ϕ 32	10,28
962	dZ	Lungo	Superiore	Y	2 ϕ 32	4,43
963	eA	Lungo	Superiore	Y	2 ϕ 32	3,68
974	eL	Lungo	Superiore	Y	2 ϕ 32	3,53
975	eM	Lungo	Superiore	Y	2 ϕ 32	10,59
976	eN	Lungo	Superiore	Y	2 ϕ 32	4,28
987	eY	Lungo	Superiore	Y	2 ϕ 32	2,49
993	fE	Lungo	Superiore	Y	1 ϕ 32	3,67
994	fF	Lungo	Superiore	Y	2 ϕ 32	10,83
995	fG	Lungo	Superiore	Y	2 ϕ 32	3,67
1006	fR	Lungo	Superiore	Y	1 ϕ 32	3,62
1007	fS	Lungo	Superiore	Y	2 ϕ 32	10,93
1008	fT	Lungo	Superiore	Y	2 ϕ 32	3,62
1020	gF	Lungo	Superiore	Y	1 ϕ 32	2,74
1021	gG	Lungo	Superiore	Y	1 ϕ 32	4,12
1022	gH	Lungo	Superiore	Y	1 ϕ 32	4,17
1023	gI	Lungo	Superiore	Y	1 ϕ 32	2,96
1024	gJ	Lungo	Superiore	Y	1 ϕ 32	4,58