

RINNOVABILI SUD DUE S.R.L.

PROGETTO DEFINITIVO DI UN PARCO EOLICO DI POTENZA PARI A 98 MW + 30 MW DI ACCUMULO, SITO IN AGRO DI CELENZA VALFORTORE E CARLANTINO (FG), E DELLE OPERE CONNESSE ANCHE IN AGRO DI CASALNUOVO MONTEROTARO, CASALVECCHIO DI PUGLIA E TORREMAGGIORE (FG)



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C10		CALCOLI PRILIMINARI DELLE STRUTTURE (Fondazioni Aerogeneratori)	23045	D	
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1. PREMESSA

Oggetto della presente è la progettazione definitiva per la realizzazione di un impianto per la produzione di energia elettrica da fonte rinnovabile eolica proposto dalla società **Rinnovabili Sud Due 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 17 aerogeneratori, per una potenza complessiva di 98 MW, di un sistema di accumulo da 30 MW di potenza utile e le relative opere di connessione per il collegamento in antenna a 36 kV su una futura stazione di trasformazione RTN 380/150/36 kV da inserire in entra-esce alla linea RTN a 380 kV "San Severo – Rotello", da realizzarsi nei comuni di Carlantino e Celenza Valfortore (FG), in cui insistono gli aerogeneratori e parte delle opere di connessione, e nei comuni di Casalnuovo Monterotaro, Casalvecchio di Puglia e Torremaggiore (FG) in cui ricadono la restante parte delle opere di connessione.

Gli aerogeneratori saranno ad asse orizzontale, costituiti da un sistema tripala, con generatore di tipo asincrono o sincrono. Il tipo di aerogeneratore da utilizzare verrà scelto in fase di progettazione esecutiva dell'impianto, le dimensioni previste per l'aerogeneratore tipo sono: diametro del rotore 163 m, altezza mozzo 138 m.

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

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

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

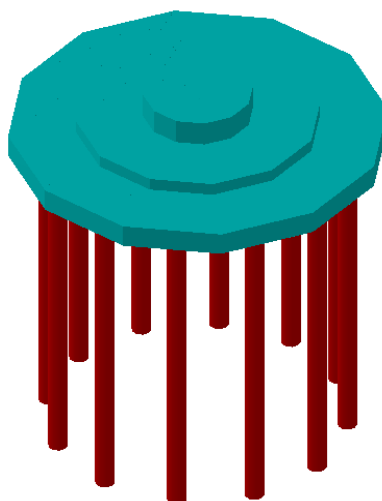
- Circolare Ministero LL.PP. 10 Aprile 1997 N. 65/AA.GG.

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 , f_x e f_y , legati allo spostamento w tramite relazioni

$$f_x = -dw/dy$$

$$f_y = dw/dx$$

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

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

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

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

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

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

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

Per l'analisi tipo lastra (analisi della piastra soggetta a carichi nel piano) vengono utilizzati elementi triangolari a 6 nodi a deformazione quadratica. Gli spostamenti nodali sono gli spostamenti u e v nel piano XY . L'analisi fornisce in tal caso il campo di spostamenti orizzontali e le tensioni nel piano della lastra s_x , s_y e t_{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.



Analisi dei pali

Per l'analisi della capacità portante dei pali occorre determinare alcune caratteristiche del terreno in cui si va ad operare. In particolare bisogna conoscere l'angolo d'attrito f e la coesione c . Per pali soggetti a carichi trasversali è necessario conoscere il modulo di reazione laterale o il modulo elastico laterale.

La capacità portante di un palo viene valutata come somma di due contributi: portata di base (o di punta) e portata per attrito laterale lungo il fusto. Cioè si assume valida l'espressione:

$$Q_T = Q_P + Q_L - W_P$$

dove:

- Q_T portanza totale del palo
- Q_P portanza di base del palo
- Q_L portanza per attrito laterale del palo
- W_P peso proprio del palo

e le due componenti Q_P e Q_L sono calcolate in modo indipendente fra loro.

Dalla capacità portante del palo si ricava il carico ammissibile del palo Q_A applicando il coefficiente di sicurezza della portanza alla punta h_p ed il coefficiente di sicurezza della portanza per attrito laterale h_l .

Palo compresso:

$$Q_A = Q_P / h_p + Q_L / h_l - W_P$$

Palo teso:

$$Q_A = Q_L / h_l + W_P$$

Capacità portante di punta

In generale la capacità portante di punta viene calcolata tramite l'espressione:

$$Q_P = A_P(cN'_c + qN'_q)$$

dove A_P è l'area portante efficace della punta del palo, c è la coesione, q è la pressione geostatica alla quota della punta del palo, g è il peso di volume del terreno, D è il diametro del palo ed i coefficienti N'_c N'_q sono i coefficienti delle formule della capacità portante corretti per tener conto degli effetti di forma e di profondità. Possono essere utilizzati sia i coefficienti di Hansen che quelli di Vesic con i corrispondenti fattori correttivi per la profondità e la forma.

Il parametro h che compare nell'espressione assume il valore:

$$h = \frac{1 + 2K_0}{3}$$

quando si usa la formula di Vesic e viene posto uguale ad 1 per le altre formule.

K_0 rappresenta il coefficiente di spinta a riposo che può essere espresso come: $K_0 = 1 - \sin\phi$.

Capacità portante per resistenza laterale

La resistenza laterale è data dall'integrale esteso a tutta la superficie laterale del palo delle tensioni tangenziali palo-terreno in condizioni limite:

$$Q_L = \int t_a dS$$

dove t_a è dato dalla relazione di Coulomb

$$t_a = c_a + s_h \tan\delta$$

dove c_a è l'adesione palo-terreno, δ è l'angolo di attrito palo-terreno, g è il peso di volume del terreno, z è la generica quota a partire dalla testa del palo, L e P sono rispettivamente la lunghezza ed il perimetro del palo, K_s è il coefficiente di spinta che dipende dalle caratteristiche meccaniche e fisiche del terreno dal suo stato di addensamento e dalle modalità di realizzazione del palo.

Portanza trasversale dei pali - Analisi ad elementi finiti

Nel modello di terreno alla Winkler il terreno viene schematizzato come una serie di molle elastiche indipendenti fra di loro. Le molle che schematizzano il terreno vengono caratterizzate tramite una costante elastica K espressa in $\text{Kg/cm}^2/\text{cm}$ che rappresenta la pressione (in Kg/cm^2) che bisogna applicare per ottenere lo spostamento di 1 cm.

Il palo viene suddiviso in un certo numero di elementi di eguale lunghezza. Ogni elemento è caratterizzato da una sezione avente area ed inerzia coincidente con quella del palo.

Il terreno viene schematizzato come una serie di molle orizzontali che reagiscono agli spostamenti nei due versi. La rigidità assiale della singola molla è proporzionale alla costante di Winkler orizzontale del terreno, al diametro del palo ed alla lunghezza dell'elemento. La molla, però, non viene vista come un elemento infinitamente elastico ma come un elemento con comportamento del tipo elastoplastico perfetto (diagramma sforzi-deformazioni di tipo bilatero). Essa presenta una resistenza crescente al crescere degli spostamenti fino a che l'entità degli spostamenti si mantiene al di sotto di un certo spostamento limite, X_{\max} oppure fino a quando non si raggiunge il valore della pressione limite. Superato tale limite non si ha un incremento di resistenza. E' evidente che assumendo un comportamento di questo tipo ci si addentra in un tipico problema non lineare che viene risolto mediante una analisi al passo.

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	Cls Pali	C25/30	305,91	24,52	320665,55	0.200	15.00	B450C
2	Piastra	C32/40	407,88	24,52	343054,09	0.200	15.00	B450C

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	

Tipologie pali

Simbologia adottata

n°	Indice tipologia
Descrizione	Descrizione tipologia
Geometria	Geometria tipologia (Pali in c.a. o Pali in acciaio)
Armatura	Tipologia armatura per pali in c.a.
Portanza	Aliquote contributi portanza (solo Punta, solo Laterale, Entrambe)
Vincolo	Grado di vincolo alla testa del palo (Incastro o Cerniera)
TC	Tipologia costruttiva del palo (Trivellato o Infisso)

Mat Indice materiale tipologia palo
Pt Pressione quota testa palo, espressa in [kg/cm²]

n°	Descrizione	Geometria	Armatura	Portanza	Vincolo	TC	Mat	Pt [kg/cm ²]
1	Tipologia 1	Pali circolari in c.a.	Ferri longitudinali + spirale	Entrambe	Incastro	Trivellato	1	0.00

Caratteristiche pali

Simbologia adottata

n° Indice palo
X Ascissa palo, espressa in [m]
Y Ordinata palo, espressa in [m]
d Diametro palo, espresso in [cm]
l Lunghezza palo, espressa in [m]
nodo Indice nodo su cui è posizionato il palo
It Indice tipologia palo

n°	X [m]	Y [m]	D [cm]	L [m]	Nodo	It
1	23.00	11.50	150.00	30.00	16	1
2	22.44	15.05	150.00	30.00	57	1
3	20.80	18.26	150.00	30.00	110	1
4	18.26	20.80	150.00	30.00	160	1
5	15.05	22.44	150.00	30.00	238	1
6	11.50	23.00	150.00	30.00	294	1
7	7.95	22.44	150.00	30.00	346	1
8	4.74	20.80	150.00	30.00	383	1
9	2.20	18.26	150.00	30.00	421	1
10	0.56	15.05	150.00	30.00	454	1
11	0.00	11.50	150.00	30.00	449	1
12	0.56	7.95	150.00	30.00	425	1
13	2.20	4.74	150.00	30.00	372	1
14	4.74	2.20	150.00	30.00	323	1
15	7.95	0.56	150.00	30.00	268	1
16	11.50	0.00	150.00	30.00	210	1
17	15.05	0.56	150.00	30.00	155	1
18	18.26	2.20	150.00	30.00	82	1
19	20.80	4.74	150.00	30.00	40	1
20	22.44	7.95	150.00	30.00	8	1

Descrizione terreni

Caratteristiche fisico meccaniche

Simbologia adottata

Descrizione Descrizione terreno
γ Peso di volume del terreno espresso in [kN/mc]
γ_{sat} Peso di volume saturo del terreno espresso in [kN/mc]
φ Angolo di attrito interno del terreno espresso in gradi
δ Angolo di attrito palo-terreno espresso in gradi
c Coesione del terreno espressa in [kg/cm²]
ca Adesione del terreno espressa in [kg/cm²]
τ₁ Tensione tangenziale, per calcolo portanza micropali con il metodo di Bustamante-Doix, espressa in [kg/cm²]
α Coeff. di espansione laterale

Descrizione	γ [kN/mc]	γ _{sat} [kN/mc]	Parametri	φ [°]	δ [°]	c [kg/cm ²]	ca [kg/cm ²]	τ ₁ [kg/cm ²]	α
Terreno Vegetale	14.000	14.500	Caratteristici	22.00	14.67	0.000	0.000	1.006	1.50
			Minimi	22.00	14.67	0.000	0.000	1.006	
			Medi	22.00	14.67	0.000	0.000	1.006	
Argille e Marne con Limo	19.000	20.000	Caratteristici	14.25	9.50	0.270	0.135	1.006	1.90
			Minimi	14.25	9.50	0.270	0.135	1.006	
			Medi	14.25	9.50	0.270	0.135	1.006	
Argille e Limi	19.600	21.000	Caratteristici	16.70	11.13	0.140	0.070	0.000	1.00
			Minimi	16.70	11.13	0.140	0.070	0.000	
			Medi	16.70	11.13	0.140	0.070	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
Ks Coefficiente di spinta
Kw Costante di Winkler orizzontale espressa in [Kg/cm²/cm]
α Coeff. di sbulbatura

N	Z1 [m]	Z2 [m]	Z3 [m]	Terreno	Ks	Kw [Kg/cm ² /cm]	α
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N	Z1 [m]	Z2 [m]	Z3 [m]	Terreno	Ks	Kw [Kg/cm ² /cm]	α
1	-1.5	-1.5	-1.5	Terreno Vegetale	2.460	1.000	1.000
2	-7.0	-7.0	-7.0	Argille e Marne con Limo	3.700	1.500	1.000
3	-30.0	-30.0	-30.0	Argille e Limi	0.000	0.000	1.000

Falda

Profondità dal piano campagna 10.00 [m]

Costante di Winkler

Direzione	Simbolo	Kw [Kg/cm ² /cm]
Verticale	Kwv	1.500
Orizzontale	Kwo	0.000

Convenzioni adottate

Carichi e reazioni vincolari

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

Sollecitazioni

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

Condizioni di carico

Carichi concentrati

Simbologia adottata

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

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

Carichi concentrati

Oggetto	X [m]	Y [m]	N [kN]	Mx [kNm]	My [kNm]	Tx [kN]	Ty [kN]
Piastra	11.50	11.50	8518.000	0.000	0.000	0.000	1900.000
Piastra	11.50	14.50	41500.000	0.000	0.000	150.000	0.000
Piastra	11.50	8.50	-41500.000	0.000	0.000	-150.000	0.000

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

Carichi concentrati

Oggetto	X [m]	Y [m]	N [kN]	Mx [kNm]	My [kNm]	Tx [kN]	Ty [kN]
Piastra	11.50	11.50	7707.000	0.000	0.000	1320.000	0.000
Piastra	14.50	11.50	31200.000	0.000	0.000	50.000	0.000
Piastra	8.50	11.50	-31200.000	0.000	0.000	-50.000	0.000

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

Carichi concentrati

Oggetto	X [m]	Y [m]	N [kN]	Mx [kNm]	My [kNm]	Tx [kN]	Ty [kN]
Piastra	11.50	11.50	7545.000	0.000	0.000	1010.000	0.000
Piastra	11.50	8.50	-23350.000	0.000	0.000	-835.000	0.000
Piastra	11.50	14.50	23350.000	0.000	0.000	835.000	0.000

Normativa - Coefficienti di sicurezza

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

CARICHI	EFFETTO	Coefficiente parziale	(A1) - STR
Permanenti	Favorevole	$\gamma_{G1, fav}$	1.00
Permanenti	Sfavorevole	$\gamma_{G1, sfav}$	1.30
Permanenti non strutturali	Favorevole	$\gamma_{G2, fav}$	0.80
Permanenti non strutturali	Sfavorevole	$\gamma_{G2, sfav}$	1.50
Variabili	Favorevole	$\gamma_{Q1, fav}$	0.00
Variabili	Sfavorevole	$\gamma_{Q1, sfav}$	1.50
Variabili traffico	Favorevole	$\gamma_{Q2, fav}$	0.00
Variabili traffico	Sfavorevole	$\gamma_{Q2, sfav}$	1.35

Coefficienti parziali per i parametri geotecnici del terreno

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

Coefficienti parziali γ_R da applicare alle resistenze caratteristiche (Pali trivellati)

Resistenza	γ_R	(R1)	(R2)	(R3)
Base	γ_b	1.00	1.70	1.35
Laterale in compressione	γ_s	1.00	1.45	1.15
Totale	γ_t	1.00	1.60	1.30
Laterale in trazione	γ_{st}	1.00	1.60	1.25

Coefficienti parziali γ_T per le verifiche agli stati limite ultimi di pali soggetti a carichi trasversali

γ_T	(R1)	(R2)	(R3)
γ_T	1.00	1.60	1.30

Fattori di correlazione ξ per la determinazione della resistenza caratteristica in funzione del numero di verticali indagate

Numero di verticali indagate	ξ_3	ξ_4
1	1.70	1.70

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

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

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

Elenco combinazioni di calcolo

Numero combinazioni definite 4

Simbologia adottata

CP Coefficiente di partecipazione della condizione

Combinazione n° 1 - - STR - A1-M1-R3

Condizione	CP
Peso proprio	1.30
Condizione 1	1.00

Combinazione n° 2 - - STR - A1-M1-R3

Condizione	CP
Peso proprio	1.30
Condizione 2	1.00



Combinazione n° 3 - - STR - A1-M1-R3

Condizione	CP
Peso proprio	1.30
Condizione 3	1.00

Combinazione n° 4 - - STR - A1-M1-R3

Condizione	CP
Peso proprio	1.30

Impostazioni di analisi

Portanza fondazione superficiale

Metodo calcolo portanza:Hansen
 Criterio di media calcolo strato equivalente:Ponderata
 Riduzione portanza per effetto eccentricità:MeyerhofCalcolo fondazioni mistaSolo carichi verticali
 Con interazione significativa esegui verifiche comeFondazione mista

Portanza verticale pali

Metodo calcolo portanza:Berezantzev
 Andamento pressione verticale con la profondità per calcolo portanza di punta:
 Pressione geostatica
 Andamento pressione verticale con la profondità per calcolo portanza laterale:
 Pressione geostatica

Portanza trasversale pali

Costante di Winkler: da strato

Rottura palo-terreno:
 Pressione limite pari alla pressione passiva con moltiplicatore pari a 3.00

Cedimenti

Metodo calcolo cedimenti: Elementi finiti
 Spostamento limite attrito laterale 0.50 [cm]
 Spostamento limite punta 1.00 [cm]
 Piastra infinitamente rigida
Fattore di rigidità della sovrastruttura 0.00



Modello

Caratteristiche Mesh

Numero elementi 872
Numero nodi 469

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]
φx Rotazione intorno all'asse X, espressa in [°]
φy 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	Y		Valore	UM	Cmb	
	[m]	[m]					
214	12.09	17.41	w	0.375036	[cm]	1	MAX
265	11.50	-2.50		-0.086288		1	MIN
350	11.50	25.50	ux	0.080031	[cm]	3	MAX
221	14.23	-2.23		-0.005078		1	MIN
467	-2.50	11.50	uy	0.103485	[cm]	1	MAX
52	25.50	11.50		-0.027668		3	MIN
247	10.21	11.62	φx	0.000316	[°]	2	MAX
72	17.91	15.99		-0.000159		1	MIN
143	16.10	18.30	φy	0.000139	[°]	2	MAX
202	11.57	10.30		-0.000414		1	MIN
214	12.09	17.41	p	0.562554	[kg/cmq]	1	MAX
457	-0.48	15.85		0.001197		2	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/cmq]
Ny Tensione normale Y espressa in [kg/cmq]
Nxy Tensione tangenziale XY espressa in [kg/cmq]

In	X	Y		Valore	UM	Cmb	
	[m]	[m]					
245	11.50	14.50	Mx	16188.7771	[kNm]	1	MAX
197	11.50	8.50		-10093.3291		1	MIN
245	11.50	14.50	My	18075.3681	[kNm]	1	MAX
197	11.50	8.50		-13252.2080		1	MIN
266	9.38	11.01	Mxy	2507.8237	[kNm]	1	MAX
133	14.01	10.29		-2489.5419		1	MIN
186	12.72	11.90	Nx	0.60	[kg/cmq]	2	MAX
247	10.21	11.62		-0.77		2	MIN
216	11.87	12.78	Ny	0.87	[kg/cmq]	1	MAX
202	11.57	10.30		-1.09		1	MIN
186	12.72	11.90	Nxy	0.41	[kg/cmq]	1	MAX
247	10.21	11.62		-0.48		1	MIN

Verifiche strutturali

Verifica a flessione

Simbologia adottata

Is	Identificativo tratto-sezione-direzione (P: direzione principale, S: direzione secondaria)
A _n	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	357.26	2.54	10.423
1-2-P	8.04	8.04	359.33	5.65	5.055
1-3-P	8.04	8.04	359.75	5.15	3.244
1-4-P	8.04	8.04	360.15	4.69	2.345
1-5-P	16.08	16.08	717.21	7.54	3.627
1-6-P	16.08	16.08	717.14	6.50	2.995
1-7-P	16.08	16.08	717.35	5.99	2.533
1-8-P	24.13	24.13	1073.96	8.27	3.253
1-9-P	24.13	24.13	1074.10	7.63	2.824
1-10-P	24.13	24.13	1074.42	7.35	2.488
1-11-P	32.17	32.17	1430.76	9.49	3.050
1-12-P	32.17	32.17	1430.67	8.81	2.843
1-13-P	32.17	32.17	1430.44	7.85	2.673
1-14-P	32.17	32.17	1430.23	6.91	2.519
1-15-P	32.17	32.17	1430.13	6.20	2.389
1-16-P	32.17	32.17	1430.06	5.74	2.314
1-17-P	32.17	32.17	1429.85	5.15	2.259
1-18-P	32.17	32.17	1429.54	4.41	2.196
1-19-P	40.21	40.21	1784.59	4.52	2.662
1-20-P	40.21	40.21	1783.80	2.89	2.568
1-21-P	40.21	40.21	1782.49	0.28	2.454
1-22-P	40.21	40.21	1781.05	-2.16	2.401
1-23-P	40.21	40.21	1780.21	-3.50	2.374
1-24-P	32.17	32.17	1425.29	-3.38	1.890
1-25-P	32.17	32.17	1424.92	-3.88	1.879
1-26-P	32.17	32.17	1424.62	-4.24	1.869
1-27-P	32.17	32.17	1424.30	-4.50	1.881
1-28-P	32.17	32.17	1423.76	-4.94	1.934
1-29-P	32.17	32.17	1423.15	-5.52	1.999
1-30-P	32.17	32.17	1422.56	-6.07	2.070
1-31-P	32.17	32.17	1422.10	-6.38	2.156
1-32-P	24.13	24.13	1067.81	-4.78	1.699
1-33-P	24.13	24.13	1067.35	-4.76	1.848
1-34-P	24.13	24.13	1066.76	-4.94	2.032
1-35-P	16.08	16.08	712.23	-3.42	1.507
1-36-P	16.08	16.08	711.68	-3.54	1.693
1-37-P	16.08	16.08	711.00	-3.88	1.927
1-38-P	8.04	8.04	356.38	-2.26	1.162
1-39-P	8.04	8.04	355.65	-2.39	1.544
1-40-P	8.04	8.04	354.89	-2.52	2.308
1-41-P	8.04	8.04	354.40	-2.66	4.602
2-1-P	16.08	8.04	703.63	5.57	10.823
2-2-P	8.04	8.04	358.79	2.91	2.762
2-3-P	16.08	16.08	716.40	6.09	3.873
2-4-P	16.08	16.08	717.38	6.20	3.069
2-5-P	24.13	24.13	1074.86	9.28	3.822
2-6-P	32.17	32.17	1432.35	12.37	4.373
2-7-P	32.17	32.17	1433.27	12.38	3.845
2-8-P	40.21	40.21	1790.86	15.94	4.404
2-9-P	40.21	40.21	1791.17	16.40	4.431
2-10-P	40.21	40.21	1791.27	16.59	4.489
2-11-P	40.21	40.21	1801.97	36.46	4.479
2-12-P	40.21	40.21	1800.30	33.35	4.288
2-13-P	40.21	40.21	1796.67	26.61	3.983
2-14-P	40.21	40.21	1793.30	20.35	3.712
2-15-P	40.21	40.21	1790.58	15.31	3.481
2-16-P	40.21	40.21	1788.63	11.69	3.293
2-17-P	40.21	40.21	1787.50	9.59	3.107
2-18-P	40.21	40.21	1787.16	8.96	2.968
2-19-P	40.21	40.21	1786.96	8.58	2.847
2-20-P	40.21	40.21	1786.72	8.13	2.732
2-21-P	40.21	40.21	1786.61	7.94	2.630
2-22-P	40.21	40.21	1788.28	11.03	2.582
2-23-P	40.21	40.21	1789.37	13.06	2.554
2-24-P	40.21	40.21	1789.50	13.31	2.535
2-25-P	40.21	40.21	1789.30	12.92	2.518
2-26-P	40.21	40.21	1788.20	10.88	2.515
2-27-P	40.21	40.21	1786.05	6.89	2.514
2-28-P	40.21	40.21	1784.07	3.21	2.453
2-29-P	40.21	40.21	1782.45	0.20	2.367
2-30-P	40.21	40.21	1780.89	-2.62	2.286
2-31-P	40.21	40.21	1779.21	-5.64	2.188
2-32-P	40.21	40.21	1777.55	-8.62	2.072
2-33-P	40.21	40.21	1776.81	-9.96	2.003
2-34-P	40.21	40.21	1776.76	-10.05	1.974
2-35-P	40.21	40.21	1776.98	-9.65	1.948
2-36-P	40.21	40.21	1777.94	-7.92	1.925

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
2-37-P	40.21	40.21	1779.30	-5.47	1.911
2-38-P	40.21	40.21	1779.32	-5.44	1.924
2-39-P	40.21	40.21	1779.26	-5.56	1.939
2-40-P	40.21	40.21	1779.22	-5.62	1.952
2-41-P	40.21	40.21	1779.12	-5.81	1.970
2-42-P	40.21	40.21	1778.56	-6.81	1.994
2-43-P	40.21	40.21	1777.66	-8.43	1.975
2-44-P	40.21	40.21	1776.53	-10.46	1.953
2-45-P	40.21	40.21	1775.31	-12.66	1.929
2-46-P	40.21	40.21	1774.21	-14.64	1.910
2-47-P	40.21	40.21	1773.82	-15.35	1.911
2-48-P	40.21	40.21	1773.69	-15.57	1.917
2-49-P	40.21	40.21	1773.70	-15.56	1.924
2-50-P	40.21	40.21	1773.76	-15.33	1.946
2-51-P	32.17	32.17	1419.92	-12.05	1.730
2-52-P	32.17	32.17	1418.90	-12.21	1.992
2-53-P	24.13	24.13	1064.71	-9.29	1.763
2-54-P	16.08	16.08	710.56	-6.29	1.433
2-55-P	16.08	16.08	709.64	-6.28	1.835
2-56-P	8.04	8.04	355.52	-3.06	1.336
2-57-P	16.08	8.04	698.06	-6.00	5.333
3-1-P	8.04	8.04	361.55	9.67	4.221
3-2-P	8.04	8.04	363.06	9.93	2.147
3-3-P	16.08	16.08	717.30	5.93	2.873
3-4-P	24.13	24.13	1074.75	8.25	3.313
3-5-P	32.17	32.17	1431.97	10.40	3.669
3-6-P	40.21	40.21	1789.25	12.83	3.963
3-7-P	40.21	40.21	1789.27	12.88	3.952
3-8-P	40.21	40.21	1789.37	13.06	3.941
3-9-P	40.21	40.21	1789.83	13.90	3.941
3-10-P	40.21	40.21	1790.37	14.90	3.944
3-11-P	40.21	40.21	1790.75	15.62	3.943
3-12-P	40.21	40.21	1790.96	16.00	3.940
3-13-P	40.21	40.21	1791.04	16.16	3.940
3-14-P	40.21	40.21	1792.18	18.27	3.990
3-15-P	40.21	40.21	1793.06	19.92	4.039
3-16-P	40.21	40.21	1793.66	21.03	4.083
3-17-P	40.21	40.21	1794.24	22.10	4.131
3-18-P	40.21	40.21	1803.40	39.11	4.392
3-19-P	40.21	40.21	1797.97	29.03	4.175
3-20-P	40.21	40.21	1793.52	20.77	3.947
3-21-P	40.21	40.21	1789.94	14.11	3.710
3-22-P	40.21	40.21	1787.05	8.75	3.412
3-23-P	40.21	40.21	1784.68	4.34	3.108
3-24-P	40.21	40.21	1782.67	0.62	2.844
3-25-P	40.21	40.21	1781.10	-2.23	2.628
3-26-P	40.21	40.21	1780.13	-3.98	2.463
3-27-P	40.21	40.21	1782.28	-0.11	2.389
3-28-P	40.21	40.21	1785.02	4.97	2.337
3-29-P	40.21	40.21	1787.73	10.01	2.292
3-30-P	40.21	40.21	1790.34	14.87	2.250
3-31-P	40.21	40.21	1789.98	14.18	2.251
3-32-P	40.21	40.21	1788.01	10.53	2.280
3-33-P	40.21	40.21	1785.98	6.75	2.304
3-34-P	40.21	40.21	1784.01	3.10	2.320
3-35-P	40.21	40.21	1782.39	0.10	2.301
3-36-P	40.21	40.21	1780.83	-2.71	2.169
3-37-P	40.21	40.21	1779.14	-5.77	2.025
3-38-P	40.21	40.21	1777.58	-8.58	1.890
3-39-P	40.21	40.21	1776.25	-10.98	1.764
3-40-P	40.21	40.21	1776.21	-11.04	1.691
3-41-P	40.21	40.21	1778.33	-7.23	1.685
3-42-P	40.21	40.21	1780.43	-3.44	1.676
3-43-P	40.21	40.21	1782.45	0.20	1.665
3-44-P	40.21	40.21	1783.84	2.79	1.657
3-45-P	40.21	40.21	1783.18	1.56	1.715
3-46-P	40.21	40.21	1782.19	-0.28	1.790
3-47-P	40.21	40.21	1780.95	-2.51	1.877
3-48-P	40.21	40.21	1779.60	-4.93	1.970
3-49-P	40.21	40.21	1778.15	-7.55	2.017
3-50-P	40.21	40.21	1776.63	-10.28	1.975
3-51-P	40.21	40.21	1775.09	-13.06	1.892
3-52-P	40.21	40.21	1773.60	-15.74	1.776
3-53-P	40.21	40.21	1772.48	-17.76	1.667
3-54-P	40.21	40.21	1772.72	-17.33	1.688
3-55-P	40.21	40.21	1773.01	-16.81	1.711
3-56-P	40.21	40.21	1773.61	-15.72	1.732
3-57-P	40.21	40.21	1774.51	-14.11	1.753
3-58-P	40.21	40.21	1774.37	-14.36	1.789
3-59-P	40.21	40.21	1774.36	-14.38	1.828
3-60-P	40.21	40.21	1774.55	-14.03	1.869
3-61-P	40.21	40.21	1774.94	-13.34	1.909
3-62-P	40.21	40.21	1775.24	-12.79	1.949
3-63-P	40.21	40.21	1775.13	-12.99	1.984
3-64-P	40.21	40.21	1774.94	-13.33	2.020
3-65-P	32.17	32.17	1420.26	-11.00	1.903
3-66-P	24.13	24.13	1065.41	-8.84	1.749
3-67-P	16.08	16.08	710.58	-6.37	1.539
3-68-P	8.04	8.04	355.90	-3.28	1.175
3-69-P	8.04	8.04	354.47	-3.37	2.378
4-1-P	16.08	16.08	718.54	12.41	6.121
4-2-P	16.08	16.08	720.60	13.53	3.085
4-3-P	24.13	24.13	1081.79	21.94	3.103

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
4-4-P	32.17	32.17	1443.44	31.41	3.172
4-5-P	40.21	40.21	1804.36	40.90	3.521
4-6-P	40.21	40.21	1804.74	41.61	3.507
4-7-P	40.21	40.21	1805.03	42.13	3.494
4-8-P	40.21	40.21	1805.36	42.76	3.494
4-9-P	40.21	40.21	1806.98	45.77	3.585
4-10-P	40.21	40.21	1808.63	48.84	3.680
4-11-P	40.21	40.21	1789.88	14.00	3.753
4-12-P	40.21	40.21	1788.86	12.11	3.766
4-13-P	40.21	40.21	1787.89	10.32	3.742
4-14-P	40.21	40.21	1787.13	8.89	3.668
4-15-P	40.21	40.21	1786.48	7.69	3.605
4-16-P	40.21	40.21	1786.02	6.84	3.555
4-17-P	40.21	40.21	1785.74	6.31	3.519
4-18-P	40.21	40.21	1786.27	7.29	3.510
4-19-P	40.21	40.21	1788.30	11.06	3.548
4-20-P	40.21	40.21	1789.99	14.21	3.605
4-21-P	40.21	40.21	1791.25	16.54	3.685
4-22-P	40.21	40.21	1791.48	16.97	3.833
4-23-P	40.21	40.21	1790.62	15.38	4.078
4-24-P	40.21	40.21	1790.36	14.90	4.016
4-25-P	40.21	40.21	1785.57	5.99	3.806
4-26-P	40.21	40.21	1782.98	1.18	3.462
4-27-P	40.21	40.21	1780.78	-2.80	3.156
4-28-P	40.21	40.21	1778.90	-6.20	2.888
4-29-P	40.21	40.21	1777.32	-9.05	2.655
4-30-P	40.21	40.21	1776.10	-11.25	2.451
4-31-P	40.21	40.21	1777.94	-7.92	2.335
4-32-P	40.21	40.21	1780.09	-4.06	2.238
4-33-P	40.21	40.21	1782.05	-0.53	2.147
4-34-P	40.21	40.21	1783.76	2.63	2.058
4-35-P	40.21	40.21	1785.40	5.68	1.979
4-36-P	40.21	40.21	1784.87	4.70	1.939
4-37-P	40.21	40.21	1784.11	3.29	1.899
4-38-P	40.21	40.21	1783.35	1.87	1.861
4-39-P	40.21	40.21	1782.62	0.52	1.822
4-40-P	40.21	40.21	1782.06	-0.51	1.755
4-41-P	40.21	40.21	1781.40	-1.69	1.670
4-42-P	40.21	40.21	1780.81	-2.76	1.592
4-43-P	40.21	40.21	1780.29	-3.69	1.521
4-44-P	40.21	40.21	1780.01	-4.20	1.461
4-45-P	40.21	40.21	1781.31	-1.86	1.449
4-46-P	40.21	40.21	1782.52	0.34	1.437
4-47-P	40.21	40.21	1783.72	2.57	1.425
4-48-P	40.21	40.21	1784.91	4.77	1.412
4-49-P	40.21	40.21	1785.81	6.44	1.408
4-50-P	40.21	40.21	1785.02	4.97	1.467
4-51-P	40.21	40.21	1784.09	3.25	1.527
4-52-P	40.21	40.21	1783.08	1.38	1.583
4-53-P	40.21	40.21	1782.02	-0.58	1.635
4-54-P	40.21	40.21	1780.86	-2.66	1.677
4-55-P	40.21	40.21	1779.02	-5.97	1.601
4-56-P	40.21	40.21	1777.32	-9.04	1.501
4-57-P	40.21	40.21	1776.44	-10.63	1.445
4-58-P	40.21	40.21	1776.41	-10.68	1.436
4-59-P	40.21	40.21	1777.30	-9.08	1.455
4-60-P	40.21	40.21	1778.68	-6.60	1.478
4-61-P	40.21	40.21	1780.47	-3.36	1.505
4-62-P	40.21	40.21	1780.89	-2.62	1.550
4-63-P	40.21	40.21	1780.50	-3.32	1.610
4-64-P	40.21	40.21	1779.92	-4.36	1.687
4-65-P	40.21	40.21	1779.11	-5.81	1.783
4-66-P	40.21	40.21	1778.12	-7.60	1.899
4-67-P	40.21	40.21	1776.88	-9.83	1.958
4-68-P	40.21	40.21	1775.61	-12.13	1.971
4-69-P	40.21	40.21	1774.37	-14.36	1.986
4-70-P	40.21	40.21	1773.20	-16.47	2.004
4-71-P	40.21	40.21	1772.09	-18.47	2.025
4-72-P	40.21	40.21	1771.90	-18.81	2.060
4-73-P	40.21	40.21	1771.93	-18.75	2.100
4-74-P	40.21	40.21	1772.01	-18.62	2.141
4-75-P	32.17	32.17	1418.32	-14.81	1.971
4-76-P	24.13	24.13	1063.90	-10.97	1.987
4-77-P	16.08	16.08	709.31	-7.23	2.044
4-78-P	8.04	8.04	354.68	-3.57	2.104
5-1-P	16.08	16.08	716.30	7.87	4.810
5-2-P	16.08	16.08	718.50	8.15	2.383
5-3-P	32.17	32.17	1435.09	16.77	3.134
5-4-P	40.21	40.21	1793.99	21.64	3.193
5-5-P	40.21	40.21	1794.58	22.73	3.165
5-6-P	40.21	40.21	1795.09	23.69	3.138
5-7-P	40.21	40.21	1795.40	24.26	3.112
5-8-P	40.21	40.21	1796.19	25.72	3.111
5-9-P	40.21	40.21	1797.13	27.47	3.122
5-10-P	40.21	40.21	1797.89	28.88	3.127
5-11-P	40.21	40.21	1798.70	30.38	3.129
5-12-P	40.21	40.21	1799.99	32.77	3.123
5-13-P	40.21	40.21	1801.31	35.23	3.116
5-14-P	40.21	40.21	1802.61	37.65	3.118
5-15-P	40.21	40.21	1803.89	40.02	3.133
5-16-P	40.21	40.21	1805.17	42.40	3.174
5-17-P	40.21	40.21	1806.80	45.42	3.276
5-18-P	40.21	40.21	1808.54	48.66	3.385

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
5-19-P	40.21	40.21	1783.01	1.24	3.337
5-20-P	40.21	40.21	1781.80	-0.97	3.225
5-21-P	40.21	40.21	1781.20	-2.06	3.149
5-22-P	40.21	40.21	1781.87	-0.85	3.156
5-23-P	40.21	40.21	1782.45	0.20	3.213
5-24-P	40.21	40.21	1782.86	0.97	3.302
5-25-P	40.21	40.21	1783.28	1.75	3.399
5-26-P	40.21	40.21	1783.72	2.57	3.501
5-27-P	40.21	40.21	1782.34	0.00	3.454
5-28-P	40.21	40.21	1782.34	0.00	3.363
5-29-P	40.21	40.21	1782.34	0.00	3.229
5-30-P	40.21	40.21	1782.34	0.00	3.105
5-31-P	40.21	40.21	1777.47	-8.77	2.942
5-32-P	40.21	40.21	1776.68	-10.20	2.734
5-33-P	40.21	40.21	1776.38	-10.73	2.548
5-34-P	40.21	40.21	1777.23	-9.21	2.371
5-35-P	40.21	40.21	1778.02	-7.79	2.212
5-36-P	40.21	40.21	1778.89	-6.21	2.075
5-37-P	40.21	40.21	2027.35	-5.72	2.228
5-38-P	40.21	40.21	2028.69	-3.60	2.109
5-39-P	40.21	48.25	2033.49	-1.39	2.010
5-40-P	40.21	48.25	2033.48	-1.40	1.938
5-41-P	40.21	48.25	2033.51	-1.36	1.870
5-42-P	40.21	48.25	2033.87	-0.80	1.794
5-43-P	40.21	40.21	2030.90	-0.10	1.715
5-44-P	40.21	48.25	2034.71	0.55	1.646
5-45-P	40.21	48.25	2034.97	0.97	1.578
5-46-P	40.21	48.25	2034.95	0.93	1.516
5-47-P	40.21	48.25	2034.89	0.84	1.463
5-48-P	40.21	40.21	2032.37	2.30	1.442
5-49-P	40.21	40.21	2033.10	3.49	1.422
5-50-P	40.21	40.21	1784.26	3.56	1.228
5-51-P	40.21	40.21	1784.57	4.13	1.206
5-52-P	40.21	40.21	1784.75	4.48	1.183
5-53-P	40.21	40.21	1784.91	4.78	1.161
5-54-P	40.21	40.21	1784.62	4.23	1.164
5-55-P	40.21	40.21	1784.17	3.40	1.176
5-56-P	40.21	40.21	1783.83	2.77	1.187
5-57-P	40.21	40.21	1783.61	2.35	1.199
5-58-P	40.21	40.21	1783.46	2.08	1.211
5-59-P	40.21	40.21	1783.47	2.09	1.217
5-60-P	40.21	40.21	1783.80	2.72	1.228
5-61-P	40.21	40.21	1784.16	3.38	1.239
5-62-P	40.21	40.21	1784.52	4.05	1.249
5-63-P	40.21	40.21	1784.91	4.77	1.261
5-64-P	40.21	40.21	1785.51	5.90	1.291
5-65-P	40.21	40.21	1786.31	7.37	1.347
5-66-P	40.21	40.21	1786.02	6.83	1.444
5-67-P	40.21	40.21	1785.10	5.12	1.563
5-68-P	40.21	40.21	1784.01	3.09	1.700
5-69-P	40.21	40.21	1782.81	0.88	1.850
5-70-P	40.21	40.21	1781.36	-1.77	2.012
5-71-P	40.21	40.21	1779.54	-5.05	2.028
5-72-P	40.21	40.21	1777.61	-8.52	2.015
5-73-P	40.21	40.21	1775.64	-12.07	1.997
5-74-P	40.21	40.21	1773.73	-15.51	1.973
5-75-P	40.21	40.21	1771.99	-18.64	1.954
5-76-P	40.21	40.21	1771.68	-19.21	1.979
5-77-P	40.21	40.21	1771.80	-18.99	2.018
5-78-P	40.21	40.21	1771.92	-18.78	2.063
5-79-P	40.21	40.21	1772.14	-18.38	2.132
5-80-P	40.21	40.21	1772.50	-17.73	2.236
5-81-P	40.21	40.21	1772.82	-17.14	2.338
5-82-P	40.21	40.21	1773.10	-16.65	2.441
5-83-P	32.17	32.17	1418.68	-13.30	2.479
5-84-P	16.08	16.08	710.38	-6.73	1.957
5-85-P	8.04	8.04	355.17	-3.40	2.062
6-1-P	24.13	24.13	1072.60	9.01	5.930
6-2-P	24.13	24.13	1074.95	9.24	2.921
6-3-P	40.21	40.21	1790.65	15.64	3.263
6-4-P	40.21	40.21	1790.43	15.02	3.132
6-5-P	40.21	40.21	1790.04	14.30	3.052
6-6-P	40.21	40.21	1789.68	13.63	2.977
6-7-P	40.21	40.21	1789.48	13.25	2.909
6-8-P	40.21	40.21	1789.46	13.21	2.853
6-9-P	40.21	40.21	1789.44	13.19	2.811
6-10-P	40.21	40.21	1789.43	13.17	2.779
6-11-P	40.21	40.21	1790.52	15.20	2.781
6-12-P	40.21	40.21	1791.93	17.81	2.782
6-13-P	40.21	40.21	1793.29	20.34	2.767
6-14-P	40.21	40.21	1794.61	22.78	2.740
6-15-P	40.21	40.21	1795.94	25.26	2.718
6-16-P	40.21	40.21	1797.27	27.73	2.698
6-17-P	40.21	40.21	1798.56	30.13	2.685
6-18-P	40.21	40.21	1799.76	32.36	2.715
6-19-P	40.21	40.21	1800.92	34.51	2.778
6-20-P	40.21	40.21	1802.06	36.63	2.838
6-21-P	40.21	40.21	1803.21	38.76	2.892
6-22-P	40.21	40.21	1778.93	-6.15	2.848
6-23-P	40.21	40.21	1779.08	-5.88	2.829
6-24-P	40.21	40.21	1779.77	-4.63	2.842
6-25-P	40.21	40.21	1780.47	-3.36	2.855
6-26-P	40.21	40.21	1781.21	-2.04	2.865

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
6-27-P	40.21	40.21	1781.94	-0.73	2.877
6-28-P	40.21	40.21	2031.20	0.39	3.319
6-29-P	40.21	48.25	2034.37	0.00	3.403
6-30-P	40.21	48.25	2283.40	0.00	3.706
6-31-P	40.21	56.30	2286.36	0.00	3.597
6-32-P	40.21	56.30	2535.71	0.00	3.872
6-33-P	40.21	56.30	2535.71	0.00	3.763
6-34-P	40.21	56.30	2785.05	0.00	4.020
6-35-P	40.21	56.30	2785.05	0.00	3.919
6-36-P	40.21	56.30	3034.38	0.00	4.186
6-37-P	40.21	48.25	3015.05	-16.45	3.963
6-38-P	40.21	56.30	3021.64	-13.51	3.672
6-39-P	40.21	48.25	3020.04	-11.14	3.433
6-40-P	40.21	48.25	3022.00	-9.06	3.221
6-41-P	40.21	48.25	3023.74	-7.21	3.025
6-42-P	40.21	40.21	3020.47	-5.62	2.814
6-43-P	40.21	40.21	3021.74	-4.26	2.612
6-44-P	40.21	40.21	3022.89	-3.03	2.440
6-45-P	40.21	40.21	3024.05	-1.79	2.311
6-46-P	40.21	40.21	3025.23	-0.53	2.213
6-47-P	40.21	40.21	3026.37	0.72	2.133
6-48-P	40.21	40.21	3027.29	1.74	2.053
6-49-P	40.21	40.21	3027.90	2.41	1.970
6-50-P	40.21	40.21	3028.32	2.87	1.886
6-51-P	40.21	48.25	3033.55	3.35	1.816
6-52-P	40.21	48.25	3034.09	3.94	1.767
6-53-P	40.21	48.25	3034.73	4.65	1.736
6-54-P	40.21	56.30	3039.28	5.36	1.711
6-55-P	40.21	48.25	3036.00	6.05	1.679
6-56-P	40.21	56.30	3040.53	6.73	1.650
6-57-P	40.21	56.30	2790.23	6.18	1.484
6-58-P	40.21	56.30	2791.09	7.20	1.487
6-59-P	40.21	56.30	2541.08	7.01	1.370
6-60-P	40.21	56.30	2541.87	8.04	1.387
6-61-P	40.21	56.30	2291.41	7.28	1.264
6-62-P	40.21	48.25	2288.91	8.00	1.276
6-63-P	40.21	48.25	2038.60	6.86	1.148
6-64-P	40.21	40.21	2035.62	7.61	1.160
6-65-P	40.21	40.21	1786.01	6.82	1.044
6-66-P	40.21	40.21	1786.80	8.27	1.085
6-67-P	40.21	40.21	1787.66	9.88	1.131
6-68-P	40.21	40.21	1788.58	11.58	1.179
6-69-P	40.21	40.21	1789.57	13.43	1.232
6-70-P	40.21	40.21	1790.14	14.49	1.300
6-71-P	40.21	40.21	1789.92	14.07	1.394
6-72-P	40.21	40.21	1789.31	12.95	1.486
6-73-P	40.21	40.21	1788.41	11.27	1.579
6-74-P	40.21	40.21	1787.21	9.04	1.674
6-75-P	40.21	40.21	1785.52	5.91	1.732
6-76-P	40.21	40.21	1783.40	1.97	1.741
6-77-P	40.21	40.21	1781.18	-2.09	1.743
6-78-P	40.21	40.21	1779.26	-5.54	1.770
6-79-P	40.21	40.21	1778.11	-7.63	1.858
6-80-P	40.21	40.21	1777.34	-9.00	1.955
6-81-P	40.21	40.21	1776.78	-10.02	2.041
6-82-P	40.21	40.21	1776.51	-10.50	2.135
6-83-P	40.21	40.21	1776.58	-10.38	2.270
6-84-P	40.21	40.21	1775.91	-11.58	2.424
6-85-P	40.21	40.21	1774.49	-14.15	2.586
6-86-P	40.21	40.21	1773.44	-16.03	2.732
6-87-P	40.21	40.21	1773.07	-16.70	2.860
6-88-P	40.21	40.21	1772.79	-17.21	2.990
6-89-P	40.21	40.21	1772.42	-17.68	3.160
6-90-P	24.13	24.13	1075.22	9.75	2.918
6-91-P	8.04	8.04	359.23	3.18	1.984
7-1-P	32.17	32.17	1427.07	6.50	6.613
7-2-P	32.17	32.17	1430.44	8.16	3.254
7-3-P	40.21	40.21	1788.12	10.73	3.251
7-4-P	40.21	40.21	1787.93	10.38	3.158
7-5-P	40.21	40.21	1787.69	9.95	3.075
7-6-P	40.21	40.21	1787.47	9.53	2.997
7-7-P	40.21	40.21	1787.47	9.53	2.916
7-8-P	40.21	40.21	1787.89	10.30	2.829
7-9-P	40.21	40.21	1788.30	11.06	2.753
7-10-P	40.21	40.21	1788.55	11.53	2.690
7-11-P	40.21	40.21	1788.65	11.73	2.636
7-12-P	40.21	40.21	1788.89	12.16	2.586
7-13-P	40.21	40.21	1789.87	13.99	2.541
7-14-P	40.21	40.21	1790.93	15.95	2.497
7-15-P	40.21	40.21	1791.90	17.75	2.452
7-16-P	40.21	40.21	1792.85	19.52	2.411
7-17-P	40.21	40.21	1793.73	21.15	2.370
7-18-P	40.21	40.21	1794.34	22.29	2.312
7-19-P	40.21	40.21	1794.94	23.41	2.291
7-20-P	40.21	40.21	1795.67	24.75	2.308
7-21-P	40.21	40.21	1796.37	26.05	2.321
7-22-P	40.21	40.21	1797.04	27.30	2.327
7-23-P	40.21	40.21	1797.71	28.54	2.333
7-24-P	40.21	40.21	1798.36	29.76	2.338
7-25-P	40.21	48.25	2033.90	-0.75	2.663
7-26-P	40.21	48.25	2283.81	0.61	3.014
7-27-P	40.21	56.30	2537.43	2.24	3.375
7-28-P	40.21	64.34	2541.21	3.75	3.407

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
7-29-P	40.21	72.38	2795.37	6.01	3.781
7-30-P	40.21	72.38	3048.10	8.68	4.159
7-31-P	40.21	64.34	3047.12	10.45	4.273
7-32-P	40.21	56.30	3034.38	0.00	4.384
7-33-P	40.21	48.25	3030.51	0.00	4.242
7-34-P	40.21	40.21	3025.72	0.00	4.112
7-35-P	40.21	40.21	3025.72	0.00	4.001
7-36-P	40.21	40.21	3025.72	0.00	3.901
7-37-P	40.21	40.21	3025.72	0.00	3.823
7-38-P	40.21	40.21	3025.72	0.00	3.753
7-39-P	40.21	40.21	3025.72	0.00	3.686
7-40-P	40.21	40.21	3025.72	0.00	3.622
7-41-P	40.21	40.21	3014.34	-12.16	3.523
7-42-P	40.21	40.21	3016.79	-9.55	3.224
7-43-P	40.21	40.21	3019.09	-7.09	2.948
7-44-P	40.21	40.21	3020.78	-5.28	2.712
7-45-P	40.21	40.21	3021.97	-4.01	2.526
7-46-P	40.21	40.21	3022.98	-2.93	2.360
7-47-P	40.21	40.21	3023.85	-2.00	2.209
7-48-P	40.21	40.21	3024.62	-1.18	2.072
7-49-P	40.21	40.21	3025.50	-0.24	1.944
7-50-P	40.21	40.21	3026.36	0.70	1.827
7-51-P	40.21	40.21	3026.97	1.38	1.732
7-52-P	40.21	40.21	3027.40	1.86	1.658
7-53-P	40.21	40.21	3027.76	2.26	1.595
7-54-P	40.21	40.21	3028.12	2.66	1.536
7-55-P	40.21	40.21	3028.59	3.17	1.482
7-56-P	40.21	40.21	3029.17	3.82	1.437
7-57-P	40.21	40.21	3029.70	4.40	1.402
7-58-P	40.21	40.21	3030.14	4.89	1.376
7-59-P	40.21	40.21	3030.58	5.38	1.352
7-60-P	40.21	40.21	3031.03	5.88	1.329
7-61-P	40.21	40.21	3031.69	6.61	1.322
7-62-P	40.21	40.21	3032.73	7.76	1.330
7-63-P	40.21	40.21	3034.06	9.24	1.344
7-64-P	40.21	48.25	3040.47	10.97	1.364
7-65-P	40.21	56.30	3046.03	12.76	1.385
7-66-P	40.21	64.34	3050.82	14.49	1.413
7-67-P	40.21	72.38	3054.89	16.05	1.460
7-68-P	40.21	72.38	2802.93	14.94	1.384
7-69-P	40.21	64.34	2548.91	13.74	1.301
7-70-P	40.21	56.30	2547.43	15.30	1.344
7-71-P	40.21	48.25	2293.02	13.97	1.252
7-72-P	40.21	48.25	2042.14	12.61	1.156
7-73-P	40.21	40.21	1788.07	10.64	1.063
7-74-P	40.21	40.21	1788.41	11.27	1.122
7-75-P	40.21	40.21	1788.84	12.06	1.188
7-76-P	40.21	40.21	1789.31	12.94	1.261
7-77-P	40.21	40.21	1789.68	13.64	1.339
7-78-P	40.21	40.21	1789.98	14.19	1.421
7-79-P	40.21	40.21	1790.09	14.39	1.507
7-80-P	40.21	40.21	1790.09	14.39	1.627
7-81-P	40.21	40.21	1789.28	12.90	1.767
7-82-P	40.21	40.21	1788.36	11.18	1.921
7-83-P	40.21	40.21	1787.13	8.90	2.104
7-84-P	40.21	40.21	1785.73	6.30	2.305
7-85-P	40.21	40.21	1784.06	3.20	2.523
7-86-P	40.21	40.21	1787.75	10.04	2.625
7-87-P	40.21	40.21	1787.84	10.21	2.682
7-88-P	40.21	40.21	1787.83	10.20	2.749
7-89-P	40.21	40.21	1787.72	9.98	2.828
7-90-P	40.21	40.21	1787.58	9.73	2.917
7-91-P	40.21	40.21	1787.69	9.94	2.998
7-92-P	40.21	40.21	1787.94	10.40	3.076
7-93-P	40.21	40.21	1788.21	10.90	3.159
7-94-P	40.21	40.21	1788.42	11.30	3.251
7-95-P	32.17	32.17	1430.70	8.64	3.254
7-96-P	16.08	16.08	714.96	3.51	3.313
8-1-P	32.17	32.17	1424.30	0.65	5.594
8-2-P	32.17	32.17	1427.67	1.09	2.972
8-3-P	40.21	40.21	1783.23	1.65	3.415
8-4-P	40.21	40.21	1783.41	1.99	3.300
8-5-P	40.21	40.21	1783.58	2.30	3.192
8-6-P	40.21	40.21	1783.74	2.60	3.091
8-7-P	40.21	40.21	1784.06	3.20	2.981
8-8-P	40.21	40.21	1784.66	4.30	2.856
8-9-P	40.21	40.21	1785.43	5.73	2.750
8-10-P	40.21	40.21	1786.11	7.01	2.668
8-11-P	40.21	40.21	1786.76	8.21	2.592
8-12-P	40.21	40.21	1787.37	9.35	2.520
8-13-P	40.21	40.21	1787.98	10.47	2.454
8-14-P	40.21	40.21	1788.63	11.67	2.398
8-15-P	40.21	40.21	1789.37	13.06	2.347
8-16-P	40.21	40.21	1790.08	14.37	2.301
8-17-P	40.21	40.21	1790.79	15.69	2.259
8-18-P	40.21	40.21	1791.32	16.68	2.205
8-19-P	40.21	40.21	1791.49	16.99	2.123
8-20-P	40.21	40.21	1791.42	16.86	2.027
8-21-P	40.21	40.21	1791.35	16.74	1.938
8-22-P	40.21	40.21	1791.65	17.30	1.907
8-23-P	40.21	40.21	2045.35	23.53	2.182
8-24-P	40.21	56.30	2307.82	30.98	2.459
8-25-P	40.21	64.34	2568.76	39.54	2.721

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
8-26-P	40.21	72.38	2831.95	49.22	2.971
8-27-P	40.21	80.42	3097.63	59.98	3.204
8-28-P	40.21	72.38	3099.50	64.53	3.314
8-29-P	40.21	56.30	3044.15	10.70	3.367
8-30-P	40.21	48.25	3042.47	13.17	3.404
8-31-P	40.21	40.21	3039.79	15.58	3.438
8-32-P	40.21	40.21	3041.88	17.91	3.475
8-33-P	40.21	40.21	3044.15	20.41	3.578
8-34-P	40.21	40.21	3046.31	22.81	3.726
8-35-P	40.21	40.21	3025.72	0.00	3.882
8-36-P	40.21	40.21	3025.72	0.00	3.770
8-37-P	40.21	40.21	3025.72	0.00	3.664
8-38-P	40.21	40.21	3025.72	0.00	3.573
8-39-P	40.21	40.21	3025.72	0.00	3.497
8-40-P	40.21	40.21	3025.72	0.00	3.427
8-41-P	40.21	40.21	3025.72	0.00	3.363
8-42-P	40.21	40.21	3025.72	0.00	3.306
8-43-P	40.21	40.21	3025.72	0.00	3.256
8-44-P	40.21	40.21	3025.72	0.00	3.218
8-45-P	40.21	40.21	3013.21	-13.37	3.065
8-46-P	40.21	40.21	3016.32	-10.05	2.757
8-47-P	40.21	40.21	3018.89	-7.30	2.492
8-48-P	40.21	40.21	3020.92	-5.13	2.272
8-49-P	40.21	40.21	3022.42	-3.53	2.096
8-50-P	40.21	40.21	3023.78	-2.07	1.949
8-51-P	40.21	40.21	3024.96	-0.81	1.825
8-52-P	40.21	40.21	3025.99	0.30	1.698
8-53-P	40.21	40.21	3026.86	1.26	1.585
8-54-P	40.21	40.21	3027.61	2.10	1.486
8-55-P	40.21	40.21	3028.33	2.89	1.400
8-56-P	40.21	40.21	3029.06	3.70	1.330
8-57-P	40.21	40.21	3029.69	4.39	1.280
8-58-P	40.21	40.21	3030.19	4.95	1.244
8-59-P	40.21	40.21	3030.67	5.48	1.209
8-60-P	40.21	40.21	3031.18	6.05	1.177
8-61-P	40.21	40.21	3031.77	6.70	1.150
8-62-P	40.21	40.21	3032.34	7.33	1.136
8-63-P	40.21	40.21	3032.87	7.92	1.137
8-64-P	40.21	40.21	3033.39	8.50	1.137
8-65-P	40.21	40.21	3033.92	9.08	1.137
8-66-P	40.21	40.21	3034.45	9.67	1.137
8-67-P	40.21	40.21	3035.14	10.43	1.142
8-68-P	40.21	40.21	3036.13	11.53	1.154
8-69-P	40.21	40.21	3037.07	12.57	1.190
8-70-P	40.21	40.21	3038.17	13.79	1.227
8-71-P	40.21	40.21	3039.48	15.24	1.265
8-72-P	40.21	48.25	3045.81	16.85	1.307
8-73-P	40.21	56.30	3051.38	18.62	1.351
8-74-P	40.21	72.38	3059.00	20.52	1.400
8-75-P	40.21	80.42	3063.58	23.11	1.467
8-76-P	40.21	72.38	2809.25	22.40	1.426
8-77-P	40.21	64.34	2554.55	21.08	1.375
8-78-P	40.21	56.30	2299.66	19.20	1.313
8-79-P	40.21	40.21	2041.23	16.79	1.237
8-80-P	40.21	40.21	1789.90	14.04	1.151
8-81-P	40.21	40.21	1790.99	16.06	1.247
8-82-P	40.21	40.21	1792.89	19.59	1.397
8-83-P	40.21	40.21	1795.22	23.92	1.578
8-84-P	40.21	40.21	1797.02	27.26	1.777
8-85-P	40.21	40.21	1797.32	27.81	1.980
8-86-P	40.21	40.21	1796.58	26.44	2.205
8-87-P	40.21	40.21	1786.92	8.50	2.336
8-88-P	40.21	40.21	1786.51	7.74	2.392
8-89-P	40.21	40.21	1786.20	7.18	2.453
8-90-P	40.21	40.21	1785.90	6.62	2.522
8-91-P	40.21	40.21	1785.58	6.02	2.595
8-92-P	40.21	40.21	1785.25	5.40	2.672
8-93-P	40.21	40.21	1784.89	4.73	2.756
8-94-P	40.21	40.21	1784.44	3.90	2.863
8-95-P	40.21	40.21	1784.07	3.20	2.985
8-96-P	40.21	40.21	1783.84	2.78	3.094
8-97-P	40.21	40.21	1783.70	2.53	3.195
8-98-P	40.21	40.21	1783.56	2.27	3.302
8-99-P	40.21	40.21	1783.41	1.99	3.417
8-100-P	32.17	32.17	1427.85	1.41	2.973
8-101-P	16.08	16.08	714.17	0.47	2.805
9-1-P	40.21	40.21	1780.02	0.54	6.482
9-2-P	40.21	40.21	1782.23	-0.19	3.817
9-3-P	40.21	40.21	1781.60	-1.33	3.680
9-4-P	40.21	40.21	1781.01	-2.39	3.554
9-5-P	40.21	40.21	1780.46	-3.38	3.436
9-6-P	40.21	40.21	1780.17	-3.91	3.323
9-7-P	40.21	40.21	1780.52	-3.29	3.194
9-8-P	40.21	40.21	1781.58	-1.37	3.026
9-9-P	40.21	40.21	1782.69	0.66	2.863
9-10-P	40.21	40.21	1783.67	2.47	2.717
9-11-P	40.21	40.21	1784.55	4.11	2.584
9-12-P	40.21	40.21	1785.35	5.58	2.468
9-13-P	40.21	40.21	1786.07	6.93	2.372
9-14-P	40.21	40.21	1786.61	7.93	2.290
9-15-P	40.21	40.21	1787.17	8.96	2.218
9-16-P	40.21	40.21	1787.74	10.02	2.158
9-17-P	40.21	40.21	1788.25	10.97	2.098

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
9-18-P	40.21	40.21	1788.73	11.87	2.040
9-19-P	40.21	40.21	1789.13	12.60	1.980
9-20-P	40.21	40.21	1789.19	12.72	1.903
9-21-P	40.21	40.21	1789.22	12.78	1.830
9-22-P	40.21	48.25	2044.50	16.44	2.010
9-23-P	40.21	64.34	2557.52	24.93	2.414
9-24-P	40.21	72.38	3072.47	35.16	2.790
9-25-P	40.21	80.42	3074.80	35.26	2.725
9-26-P	40.21	72.38	3073.50	36.27	2.691
9-27-P	40.21	56.30	3068.47	37.35	2.659
9-28-P	40.21	48.25	3065.45	38.48	2.635
9-29-P	40.21	40.21	3061.86	40.04	2.641
9-30-P	40.21	40.21	3064.33	42.78	2.711
9-31-P	40.21	40.21	3067.43	46.21	2.809
9-32-P	40.21	40.21	3040.59	16.48	2.877
9-33-P	40.21	40.21	3042.65	18.75	2.908
9-34-P	40.21	40.21	3045.32	21.71	2.988
9-35-P	40.21	40.21	3048.53	25.27	3.077
9-36-P	40.21	40.21	3052.08	29.21	3.165
9-37-P	40.21	40.21	3055.98	33.52	3.248
9-38-P	40.21	40.21	3060.09	38.08	3.343
9-39-P	40.21	40.21	3025.72	0.00	3.335
9-40-P	40.21	40.21	3025.72	0.00	3.261
9-41-P	40.21	40.21	3025.72	0.00	3.194
9-42-P	40.21	40.21	3025.72	0.00	3.131
9-43-P	40.21	40.21	3025.72	0.00	3.072
9-44-P	40.21	40.21	3025.72	0.00	3.015
9-45-P	40.21	40.21	3025.72	0.00	2.978
9-46-P	40.21	40.21	3025.72	0.00	2.946
9-47-P	40.21	40.21	-3093.45	75.60	2.379
9-48-P	40.21	40.21	-3084.14	65.21	2.016
9-49-P	40.21	40.21	-3077.35	57.62	1.757
9-50-P	40.21	40.21	-3072.80	52.55	1.590
9-51-P	40.21	40.21	-3068.87	48.17	1.450
9-52-P	40.21	40.21	-3065.84	44.78	1.342
9-53-P	40.21	40.21	-3065.43	44.32	1.340
9-54-P	40.21	40.21	3027.08	1.50	1.420
9-55-P	40.21	40.21	3028.22	2.77	1.323
9-56-P	40.21	40.21	3029.26	3.91	1.237
9-57-P	40.21	40.21	3030.09	4.84	1.168
9-58-P	40.21	40.21	3030.90	5.73	1.111
9-59-P	40.21	40.21	3031.71	6.63	1.059
9-60-P	40.21	40.21	3032.47	7.48	1.019
9-61-P	48.25	40.21	3630.42	9.81	1.195
9-62-P	48.25	40.21	3631.15	10.63	1.173
9-63-P	48.25	40.21	3631.87	11.43	1.151
9-64-P	48.25	40.21	3632.59	12.23	1.130
9-65-P	48.25	40.21	3633.26	12.97	1.121
9-66-P	48.25	40.21	3633.93	13.72	1.128
9-67-P	48.25	40.21	3634.67	14.55	1.138
9-68-P	48.25	40.21	3635.51	15.48	1.150
9-69-P	48.25	40.21	3636.38	16.45	1.162
9-70-P	48.25	40.21	3637.27	17.44	1.175
9-71-P	40.21	40.21	3039.53	15.29	1.012
9-72-P	40.21	40.21	3040.21	16.05	1.049
9-73-P	40.21	40.21	3040.98	16.91	1.089
9-74-P	40.21	40.21	3041.94	17.97	1.132
9-75-P	40.21	40.21	3043.07	19.22	1.178
9-76-P	40.21	40.21	3044.47	20.77	1.234
9-77-P	40.21	48.25	3051.36	22.96	1.303
9-78-P	40.21	56.30	3057.93	25.80	1.377
9-79-P	40.21	72.38	3066.93	29.14	1.461
9-80-P	40.21	80.42	3072.59	32.86	1.554
9-81-P	40.21	72.38	3074.56	37.43	1.669
9-82-P	40.21	64.34	2561.98	30.74	1.533
9-83-P	40.21	48.25	2048.90	23.60	1.362
9-84-P	40.21	40.21	1794.07	21.79	1.333
9-85-P	40.21	40.21	1796.50	26.29	1.510
9-86-P	40.21	40.21	1799.51	31.88	1.737
9-87-P	40.21	40.21	1800.04	32.87	1.934
9-88-P	40.21	40.21	1785.41	5.71	2.094
9-89-P	40.21	40.21	1785.10	5.13	2.159
9-90-P	40.21	40.21	1784.78	4.53	2.225
9-91-P	40.21	40.21	1784.46	3.94	2.302
9-92-P	40.21	40.21	1784.13	3.33	2.388
9-93-P	40.21	40.21	1783.63	2.40	2.485
9-94-P	40.21	40.21	1783.05	1.31	2.599
9-95-P	40.21	40.21	1782.38	0.07	2.729
9-96-P	40.21	40.21	1781.62	-1.30	2.872
9-97-P	40.21	40.21	1780.77	-2.83	3.031
9-98-P	40.21	40.21	1779.99	-4.24	3.195
9-99-P	40.21	40.21	1779.81	-4.56	3.324
9-100-P	40.21	40.21	1780.16	-3.93	3.436
9-101-P	40.21	40.21	1780.77	-2.84	3.554
9-102-P	40.21	40.21	1781.41	-1.67	3.680
9-103-P	40.21	40.21	1782.11	-0.42	3.816
9-104-P	24.13	24.13	1069.60	0.16	3.894
10-1-P	40.21	40.21	1780.35	0.15	6.175
10-2-P	40.21	40.21	1782.03	-0.55	4.199
10-3-P	40.21	40.21	1781.53	-1.47	4.035
10-4-P	40.21	40.21	1781.05	-2.33	3.884
10-5-P	40.21	40.21	1780.56	-3.21	3.747
10-6-P	40.21	40.21	1780.23	-3.81	3.634

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
10-7-P	40.21	40.21	1780.44	-3.43	3.504
10-8-P	40.21	40.21	1780.86	-2.67	3.353
10-9-P	40.21	40.21	1781.24	-1.98	3.215
10-10-P	40.21	40.21	1781.68	-1.19	3.085
10-11-P	40.21	40.21	1782.66	0.59	2.898
10-12-P	40.21	40.21	1783.75	2.61	2.702
10-13-P	40.21	40.21	1784.77	4.52	2.534
10-14-P	40.21	40.21	1785.73	6.30	2.394
10-15-P	40.21	40.21	1786.31	7.36	2.265
10-16-P	40.21	40.21	1786.56	7.83	2.146
10-17-P	40.21	40.21	1786.78	8.25	2.039
10-18-P	40.21	40.21	1787.00	8.66	1.944
10-19-P	40.21	40.21	1787.21	9.05	1.863
10-20-P	40.21	40.21	1787.45	9.48	1.794
10-21-P	40.21	48.25	2294.21	15.70	2.219
10-22-P	40.21	64.34	2807.37	23.04	2.605
10-23-P	40.21	80.42	3067.01	26.83	2.738
10-24-P	40.21	80.42	3066.25	26.01	2.636
10-25-P	40.21	72.38	3063.32	25.22	2.539
10-26-P	40.21	56.30	3056.70	24.46	2.445
10-27-P	40.21	40.21	3047.12	23.71	2.356
10-28-P	40.21	40.21	3046.96	23.53	2.295
10-29-P	40.21	40.21	3047.60	24.24	2.284
10-30-P	40.21	40.21	3048.80	25.57	2.308
10-31-P	40.21	40.21	3050.12	27.04	2.338
10-32-P	40.21	40.21	3051.45	28.50	2.368
10-33-P	40.21	40.21	3052.75	29.95	2.393
10-34-P	40.21	40.21	3053.79	31.10	2.389
10-35-P	40.21	40.21	3055.60	33.11	2.417
10-36-P	40.21	40.21	3047.68	24.33	2.497
10-37-P	40.21	40.21	3052.11	29.24	2.534
10-38-P	40.21	40.21	3056.89	34.53	2.569
10-39-P	40.21	40.21	3062.18	40.39	2.602
10-40-P	40.21	40.21	3069.41	48.41	2.784
10-41-P	40.21	40.21	3077.93	57.84	3.002
10-42-P	40.21	40.21	3025.72	0.00	3.004
10-43-P	40.21	40.21	3025.72	0.00	2.941
10-44-P	40.21	40.21	3025.72	0.00	2.884
10-45-P	40.21	40.21	3025.72	0.00	2.828
10-46-P	40.21	40.21	3247.85	0.00	2.988
10-47-P	40.21	40.21	3470.01	0.00	3.156
10-48-P	40.21	48.25	3697.72	0.00	3.326
10-49-P	40.21	48.25	-4836.68	131.21	2.841
10-50-P	40.21	56.30	-5752.16	121.56	2.524
10-51-P	40.21	56.30	-5891.41	105.23	2.097
10-52-P	40.21	48.25	-5188.76	83.04	1.597
10-53-P	40.21	48.25	-5175.33	72.24	1.447
10-54-P	40.21	40.21	-4321.93	56.91	1.175
10-55-P	40.21	48.25	-5168.54	66.79	1.419
10-56-P	40.21	48.25	-5172.95	70.33	1.622
10-57-P	40.21	56.30	4154.19	5.32	1.488
10-58-P	40.21	56.30	4044.98	7.23	1.349
10-59-P	40.21	48.25	3930.33	8.71	1.230
10-60-P	40.21	48.25	3708.23	9.53	1.108
10-61-P	56.30	40.21	4848.31	13.71	1.388
10-62-P	56.30	40.21	4537.41	13.58	1.246
10-63-P	56.30	40.21	4226.68	13.53	1.131
10-64-P	56.30	40.21	4228.40	15.46	1.110
10-65-P	56.30	40.21	4229.90	17.14	1.090
10-66-P	56.30	40.21	4231.24	18.63	1.074
10-67-P	56.30	40.21	4232.54	20.09	1.087
10-68-P	56.30	40.21	4233.57	21.25	1.101
10-69-P	56.30	40.21	4234.54	22.33	1.115
10-70-P	56.30	40.21	4235.42	23.32	1.134
10-71-P	56.30	40.21	4236.39	24.40	1.154
10-72-P	56.30	40.21	4237.45	25.59	1.173
10-73-P	56.30	40.21	4238.50	26.76	1.221
10-74-P	56.30	40.21	4239.63	28.03	1.278
10-75-P	56.30	40.21	4240.89	29.44	1.339
10-76-P	40.21	40.21	3045.82	22.27	1.007
10-77-P	40.21	40.21	3046.93	23.49	1.055
10-78-P	40.21	40.21	3047.77	24.42	1.110
10-79-P	40.21	40.21	3048.72	25.48	1.173
10-80-P	40.21	40.21	3049.85	26.73	1.244
10-81-P	40.21	40.21	3051.50	28.56	1.326
10-82-P	40.21	56.30	3063.64	32.06	1.433
10-83-P	40.21	72.38	3074.29	37.14	1.568
10-84-P	40.21	80.42	3082.14	43.20	1.728
10-85-P	40.21	80.42	3089.06	50.70	1.924
10-86-P	40.21	64.34	2830.58	50.56	1.981
10-87-P	40.21	48.25	2311.33	40.54	1.833
10-88-P	40.21	40.21	1797.01	27.25	1.585
10-89-P	40.21	40.21	1798.50	30.01	1.778
10-90-P	40.21	40.21	1784.52	4.04	1.946
10-91-P	40.21	40.21	1784.29	3.63	2.042
10-92-P	40.21	40.21	1784.05	3.18	2.151
10-93-P	40.21	40.21	1783.78	2.67	2.271
10-94-P	40.21	40.21	1783.28	1.75	2.400
10-95-P	40.21	40.21	1782.51	0.32	2.537
10-96-P	40.21	40.21	1781.68	-1.19	2.702
10-97-P	40.21	40.21	1780.81	-2.75	2.896
10-98-P	40.21	40.21	1780.11	-4.02	3.080
10-99-P	40.21	40.21	1779.96	-4.29	3.210

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
10-100-P	40.21	40.21	1779.89	-4.42	3.348
10-101-P	40.21	40.21	1779.81	-4.56	3.499
10-102-P	40.21	40.21	1779.88	-4.43	3.630
10-103-P	40.21	40.21	1780.31	-3.66	3.743
10-104-P	40.21	40.21	1780.83	-2.73	3.880
10-105-P	40.21	40.21	1781.33	-1.82	4.031
10-106-P	40.21	40.21	1781.86	-0.86	4.196
10-107-P	24.13	24.13	1070.27	-0.07	3.709
11-1-P	40.21	40.21	1780.82	-2.63	5.064
11-2-P	40.21	40.21	1780.58	-3.17	4.779
11-3-P	40.21	40.21	1780.23	-3.80	4.566
11-4-P	40.21	40.21	1779.86	-4.47	4.377
11-5-P	40.21	40.21	1779.46	-5.19	4.209
11-6-P	40.21	40.21	1779.38	-5.34	4.078
11-7-P	40.21	40.21	1779.95	-4.31	4.001
11-8-P	40.21	40.21	1780.53	-3.27	3.933
11-9-P	40.21	40.21	1781.07	-2.29	3.870
11-10-P	40.21	40.21	1781.57	-1.40	3.792
11-11-P	40.21	40.21	1782.18	-0.29	3.642
11-12-P	40.21	40.21	1783.34	1.85	3.319
11-13-P	40.21	40.21	1784.37	3.76	3.000
11-14-P	40.21	40.21	1785.19	5.30	2.725
11-15-P	40.21	40.21	1785.82	6.46	2.487
11-16-P	40.21	40.21	1785.84	6.50	2.296
11-17-P	40.21	40.21	1785.77	6.37	2.146
11-18-P	40.21	40.21	1785.77	6.37	2.028
11-19-P	40.21	40.21	1785.83	6.48	1.932
11-20-P	40.21	40.21	2036.02	8.27	2.101
11-21-P	40.21	64.34	2800.74	15.18	2.742
11-22-P	40.21	80.42	3058.40	17.50	2.825
11-23-P	40.21	80.42	3057.61	16.65	2.671
11-24-P	40.21	80.42	3056.95	15.93	2.540
11-25-P	40.21	56.30	3048.38	15.34	2.429
11-26-P	40.21	40.21	3039.16	14.89	2.341
11-27-P	40.21	40.21	3038.84	14.54	2.267
11-28-P	40.21	40.21	3038.54	14.20	2.197
11-29-P	40.21	40.21	3038.27	13.90	2.133
11-30-P	40.21	40.21	3038.04	13.64	2.074
11-31-P	40.21	40.21	3037.85	13.43	2.020
11-32-P	40.21	40.21	3037.99	13.59	1.988
11-33-P	40.21	40.21	3038.44	14.09	1.971
11-34-P	40.21	40.21	3039.08	14.80	1.950
11-35-P	40.21	40.21	3039.85	15.65	1.934
11-36-P	40.21	40.21	3040.63	16.52	1.913
11-37-P	40.21	40.21	3041.76	17.77	1.897
11-38-P	40.21	40.21	3044.17	20.44	1.953
11-39-P	40.21	40.21	-2964.84	-65.40	1.995
11-40-P	40.21	40.21	-2968.70	-61.25	1.949
11-41-P	40.21	56.30	3072.45	41.71	2.166
11-42-P	40.21	56.30	3549.32	66.79	2.592
11-43-P	40.21	72.38	4180.73	108.99	3.159
11-44-P	40.21	80.42	4723.16	164.80	3.765
11-45-P	64.34	96.51	7883.08	0.00	7.080
11-46-P	64.34	104.55	8423.44	0.00	7.430
11-47-P	64.34	96.51	8595.36	0.00	7.464
11-48-P	64.34	88.47	8588.31	0.00	7.365
11-49-P	64.34	80.42	8580.34	0.00	7.271
11-50-P	64.34	64.34	-9410.93	539.18	7.140
11-51-P	64.34	56.30	-7860.74	221.00	2.918
11-52-P	64.34	56.30	-7736.80	142.50	1.890
11-53-P	64.34	56.30	-7674.71	104.25	1.404
11-54-P	64.34	56.30	-7639.59	82.89	1.161
11-55-P	64.34	56.30	-7617.45	69.43	1.032
11-56-P	64.34	56.30	-7620.01	70.99	1.203
11-57-P	64.34	56.30	-7631.49	77.97	1.561
11-58-P	64.34	56.30	-7657.29	93.66	2.294
11-59-P	64.34	56.30	8572.09	14.30	2.426
11-60-P	64.34	64.34	8592.70	19.91	2.284
11-61-P	64.34	80.42	8620.91	25.38	2.166
11-62-P	64.34	88.47	8637.48	30.66	2.060
11-63-P	64.34	96.51	8653.20	35.95	1.970
11-64-P	64.34	104.55	8488.14	40.92	1.878
11-65-P	64.34	96.51	7945.02	41.90	1.715
11-66-P	64.34	80.42	7210.85	39.62	1.519
11-67-P	64.34	72.38	6483.69	36.85	1.354
11-68-P	64.34	56.30	5567.28	31.54	1.173
11-69-P	64.34	56.30	4850.50	27.14	1.033
11-70-P	64.34	40.21	4831.40	30.04	1.049
11-71-P	64.34	40.21	4833.66	32.58	1.082
11-72-P	64.34	40.21	4835.24	34.37	1.113
11-73-P	64.34	40.21	4836.49	35.76	1.144
11-74-P	64.34	40.21	4837.80	37.25	1.205
11-75-P	64.34	40.21	4839.29	38.92	1.274
11-76-P	64.34	40.21	4841.00	40.84	1.347
11-77-P	64.34	40.21	4842.90	42.98	1.422
11-78-P	64.34	40.21	4844.72	45.03	1.509
11-79-P	40.21	40.21	3052.37	29.52	1.016
11-80-P	40.21	40.21	3053.58	30.86	1.088
11-81-P	40.21	40.21	3054.99	32.43	1.169
11-82-P	40.21	40.21	3056.63	34.24	1.258
11-83-P	40.21	40.21	3058.67	36.50	1.358
11-84-P	40.21	40.21	3062.76	41.04	1.476
11-85-P	40.21	56.30	3077.01	46.70	1.620

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
11-86-P	40.21	80.42	3091.46	53.30	1.795
11-87-P	40.21	80.42	3098.59	61.02	2.005
11-88-P	40.21	80.42	3107.55	70.72	2.271
11-89-P	40.21	64.34	2847.14	70.21	2.386
11-90-P	40.21	40.21	2058.40	44.87	1.981
11-91-P	40.21	40.21	1783.48	2.11	1.932
11-92-P	40.21	40.21	1783.32	1.82	2.028
11-93-P	40.21	40.21	1783.21	1.62	2.145
11-94-P	40.21	40.21	1783.16	1.52	2.292
11-95-P	40.21	40.21	1783.05	1.32	2.479
11-96-P	40.21	40.21	1782.56	0.41	2.714
11-97-P	40.21	40.21	1781.91	-0.78	2.986
11-98-P	40.21	40.21	1781.11	-2.22	3.301
11-99-P	40.21	40.21	1780.22	-3.83	3.622
11-100-P	40.21	40.21	1779.91	-4.38	3.773
11-101-P	40.21	40.21	1779.75	-4.67	3.853
11-102-P	40.21	40.21	1779.56	-5.01	3.918
11-103-P	40.21	40.21	1779.35	-5.39	3.988
11-104-P	40.21	40.21	1779.15	-5.75	4.068
11-105-P	40.21	40.21	1779.37	-5.35	4.200
11-106-P	40.21	40.21	1779.78	-4.61	4.368
11-107-P	40.21	40.21	1780.17	-3.91	4.558
11-108-P	40.21	40.21	1780.52	-3.27	4.773
11-109-P	40.21	40.21	1780.77	-2.72	5.060
12-1-P	40.21	40.21	1778.80	-6.37	6.004
12-2-P	40.21	40.21	1778.38	-7.13	5.729
12-3-P	40.21	40.21	1778.14	-7.56	5.470
12-4-P	40.21	40.21	1778.08	-7.67	5.228
12-5-P	40.21	40.21	1778.09	-7.66	5.002
12-6-P	40.21	40.21	1778.17	-7.51	4.774
12-7-P	40.21	40.21	1778.31	-7.27	4.563
12-8-P	40.21	40.21	1778.54	-6.84	4.391
12-9-P	40.21	40.21	1778.88	-6.24	4.256
12-10-P	40.21	40.21	1779.57	-4.99	4.115
12-11-P	40.21	40.21	1780.84	-2.70	3.846
12-12-P	40.21	40.21	1782.10	-0.44	3.566
12-13-P	40.21	40.21	1783.17	1.54	3.323
12-14-P	40.21	40.21	1784.12	3.31	3.093
12-15-P	40.21	40.21	1784.67	4.32	2.844
12-16-P	40.21	40.21	1784.57	4.14	2.600
12-17-P	40.21	40.21	1784.47	3.95	2.390
12-18-P	40.21	40.21	1784.39	3.80	2.209
12-19-P	40.21	40.21	1784.32	3.67	2.052
12-20-P	40.21	64.34	2794.88	8.24	2.985
12-21-P	40.21	80.42	3050.73	9.19	3.020
12-22-P	40.21	80.42	3050.33	8.77	2.839
12-23-P	40.21	80.42	3050.07	8.48	2.687
12-24-P	40.21	56.30	3041.87	8.20	2.543
12-25-P	40.21	40.21	3032.89	7.94	2.413
12-26-P	40.21	40.21	3032.62	7.64	2.315
12-27-P	40.21	40.21	3032.28	7.27	2.242
12-28-P	40.21	40.21	3031.83	6.76	2.148
12-29-P	40.21	40.21	3031.48	6.38	2.064
12-30-P	40.21	40.21	3031.25	6.13	1.992
12-31-P	40.21	40.21	3031.13	5.99	1.931
12-32-P	40.21	40.21	3031.07	5.93	1.877
12-33-P	40.21	40.21	3031.08	5.94	1.829
12-34-P	40.21	40.21	3031.11	5.97	1.778
12-35-P	40.21	40.21	3031.16	6.02	1.722
12-36-P	40.21	40.21	3031.49	6.39	1.669
12-37-P	40.21	56.30	3041.12	7.39	1.635
12-38-P	40.21	56.30	3041.80	8.12	1.601
12-39-P	40.21	56.30	3042.54	8.94	1.582
12-40-P	40.21	64.34	3993.63	16.90	2.088
12-41-P	56.30	88.47	6802.64	39.78	3.569
12-42-P	56.30	112.59	7633.66	56.40	4.033
12-43-P	56.30	112.59	7650.68	66.57	4.178
12-44-P	56.30	104.55	7675.52	84.11	4.466
12-45-P	56.30	80.42	7808.18	180.76	4.810
12-46-P	56.30	56.30	-7195.65	-177.51	4.301
12-47-P	56.30	56.30	-7169.10	-193.31	4.955
12-48-P	56.30	56.30	-7138.83	-211.31	5.851
12-49-P	56.30	56.30	7494.05	0.00	6.120
12-50-P	56.30	56.30	7494.05	0.00	6.056
12-51-P	56.30	56.30	-8075.24	368.94	5.898
12-52-P	56.30	56.30	-7806.12	197.96	2.990
12-53-P	56.30	56.30	-7696.26	128.16	1.886
12-54-P	56.30	56.30	-7645.96	96.20	1.417
12-55-P	56.30	56.30	-7626.68	83.95	1.300
12-56-P	56.30	56.30	-7621.03	80.36	1.379
12-57-P	56.30	56.30	-7624.78	82.75	1.632
12-58-P	56.30	56.30	7517.52	14.81	2.094
12-59-P	56.30	56.30	7533.60	24.96	1.910
12-60-P	56.30	56.30	7540.81	29.51	1.776
12-61-P	56.30	56.30	7549.46	34.97	1.657
12-62-P	56.30	56.30	7559.17	41.09	1.550
12-63-P	56.30	56.30	7567.60	46.42	1.461
12-64-P	56.30	56.30	7569.04	47.32	1.409
12-65-P	56.30	56.30	7571.96	49.17	1.359
12-66-P	56.30	80.42	7601.81	52.01	1.316
12-67-P	56.30	104.55	7628.17	55.77	1.309
12-68-P	56.30	112.59	7641.24	60.93	1.307
12-69-P	56.30	112.59	7651.43	67.02	1.305

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
12-70-P	56.30	88.47	6832.84	60.68	1.205
12-71-P	56.30	64.34	5597.80	45.96	1.029
12-72-P	72.38	56.30	5453.46	38.90	1.045
12-73-P	72.38	56.30	5458.24	44.22	1.104
12-74-P	72.38	56.30	5462.47	48.94	1.177
12-75-P	72.38	40.21	5437.39	51.39	1.243
12-76-P	56.30	40.21	4252.12	42.01	1.035
12-77-P	56.30	40.21	4254.09	44.21	1.114
12-78-P	56.30	40.21	4256.01	46.37	1.201
12-79-P	56.30	40.21	4257.43	47.96	1.285
12-80-P	56.30	40.21	4259.26	50.00	1.379
12-81-P	40.21	40.21	3059.79	37.74	1.067
12-82-P	40.21	40.21	3061.74	39.91	1.158
12-83-P	40.21	40.21	3063.81	42.20	1.264
12-84-P	40.21	40.21	3065.76	44.36	1.387
12-85-P	40.21	40.21	3068.64	47.55	1.526
12-86-P	40.21	40.21	3073.45	52.88	1.678
12-87-P	40.21	56.30	3089.23	60.10	1.860
12-88-P	40.21	80.42	3105.99	69.04	2.086
12-89-P	40.21	80.42	3116.28	80.17	2.367
12-90-P	40.21	80.42	3129.71	94.71	2.734
12-91-P	40.21	64.34	2868.97	96.09	2.942
12-92-P	40.21	40.21	1782.39	0.10	2.053
12-93-P	40.21	40.21	1782.38	0.07	2.207
12-94-P	40.21	40.21	1782.36	0.04	2.383
12-95-P	40.21	40.21	1782.36	0.03	2.586
12-96-P	40.21	40.21	1782.34	0.00	2.821
12-97-P	40.21	40.21	1781.90	-0.80	3.068
12-98-P	40.21	40.21	1781.14	-2.16	3.298
12-99-P	40.21	40.21	1780.29	-3.69	3.543
12-100-P	40.21	40.21	1779.33	-5.43	3.824
12-101-P	40.21	40.21	1778.39	-7.12	4.097
12-102-P	40.21	40.21	1777.99	-7.83	4.239
12-103-P	40.21	40.21	1777.90	-7.99	4.376
12-104-P	40.21	40.21	1777.87	-8.04	4.550
12-105-P	40.21	40.21	1777.91	-7.97	4.764
12-106-P	40.21	40.21	1777.96	-7.90	4.995
12-107-P	40.21	40.21	1777.98	-7.86	5.223
12-108-P	40.21	40.21	1778.07	-7.70	5.466
12-109-P	40.21	40.21	1778.33	-7.22	5.728
12-110-P	40.21	40.21	1778.78	-6.42	6.005
13-1-P	40.21	40.21	1781.77	-1.03	7.335
13-2-P	40.21	40.21	1780.97	-2.47	7.022
13-3-P	40.21	40.21	1780.11	-4.01	6.735
13-4-P	40.21	40.21	1779.34	-5.41	6.477
13-5-P	40.21	40.21	1778.62	-6.69	6.235
13-6-P	40.21	40.21	1778.01	-7.80	5.929
13-7-P	40.21	40.21	1777.64	-8.47	5.647
13-8-P	40.21	40.21	1777.47	-8.77	5.384
13-9-P	40.21	40.21	1777.89	-8.02	5.116
13-10-P	40.21	40.21	1779.70	-4.75	4.735
13-11-P	40.21	40.21	1781.55	-1.43	4.377
13-12-P	40.21	40.21	1783.06	1.34	4.064
13-13-P	40.21	40.21	1784.26	3.56	3.785
13-14-P	40.21	40.21	1784.71	4.41	3.510
13-15-P	40.21	40.21	1784.56	4.11	3.239
13-16-P	40.21	40.21	1784.36	3.75	2.999
13-17-P	40.21	40.21	1784.21	3.48	2.781
13-18-P	40.21	40.21	1784.13	3.33	2.575
13-19-P	40.21	40.21	1784.10	3.27	2.383
13-20-P	40.21	80.42	3049.96	8.37	3.699
13-21-P	40.21	80.42	3048.82	7.13	3.352
13-22-P	40.21	80.42	3047.87	6.10	3.065
13-23-P	40.21	80.42	3047.10	5.26	2.834
13-24-P	40.21	40.21	3029.98	4.71	2.650
13-25-P	40.21	40.21	3029.58	4.27	2.549
13-26-P	40.21	40.21	3029.14	3.78	2.467
13-27-P	40.21	40.21	3028.76	3.36	2.393
13-28-P	40.21	40.21	3028.40	2.96	2.322
13-29-P	40.21	40.21	3028.00	2.52	2.210
13-30-P	40.21	40.21	3027.69	2.18	2.111
13-31-P	40.21	40.21	3027.47	1.94	2.025
13-32-P	40.21	40.21	3027.32	1.77	1.949
13-33-P	40.21	40.21	3027.21	1.65	1.859
13-34-P	40.21	40.21	3027.19	1.62	1.753
13-35-P	40.21	40.21	3027.29	1.73	1.669
13-36-P	40.21	56.30	3036.14	1.92	1.609
13-37-P	40.21	56.30	3036.08	1.86	1.548
13-38-P	40.21	56.30	3036.05	1.83	1.496
13-39-P	40.21	88.47	4455.89	3.45	2.144
13-40-P	56.30	112.59	7550.32	6.61	3.587
13-41-P	56.30	112.59	7546.84	4.53	3.547
13-42-P	56.30	112.59	7544.77	3.29	3.510
13-43-P	56.30	88.47	-11340.59	-219.50	3.007
13-44-P	56.30	56.30	-7236.96	-152.94	2.071
13-45-P	56.30	56.30	-7194.76	-178.04	2.352
13-46-P	56.30	56.30	-7141.20	-209.91	2.695
13-47-P	56.30	56.30	-7074.00	-249.88	3.103
13-48-P	56.30	56.30	-6989.38	-300.22	3.591
13-49-P	56.30	56.30	7565.52	45.10	4.431
13-50-P	56.30	56.30	7345.11	-90.43	4.761
13-51-P	56.30	56.30	7321.35	-104.86	5.283
13-52-P	56.30	56.30	7494.05	0.00	5.831

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
13-53-P	56.30	56.30	6924.53	-345.78	4.728
13-54-P	56.30	56.30	7194.54	-181.85	3.693
13-55-P	56.30	56.30	7364.74	-78.51	2.955
13-56-P	56.30	56.30	7453.44	-24.66	2.480
13-57-P	56.30	56.30	7507.86	8.72	2.182
13-58-P	56.30	56.30	7573.53	50.16	1.981
13-59-P	56.30	56.30	7648.93	97.74	1.830
13-60-P	56.30	56.30	7702.67	131.66	1.698
13-61-P	56.30	56.30	7703.84	132.40	1.569
13-62-P	56.30	56.30	7688.28	122.58	1.444
13-63-P	56.30	56.30	7664.73	107.71	1.320
13-64-P	56.30	56.30	7640.55	92.46	1.211
13-65-P	56.30	56.30	7624.95	82.61	1.130
13-66-P	56.30	56.30	7615.54	76.67	1.065
13-67-P	56.30	56.30	7611.76	74.28	1.047
13-68-P	56.30	56.30	7609.09	72.60	1.054
13-69-P	56.30	88.47	7638.24	70.63	1.068
13-70-P	56.30	112.59	7657.86	70.86	1.091
13-71-P	56.30	112.59	7668.30	77.10	1.133
13-72-P	56.30	112.59	7686.63	88.05	1.218
13-73-P	56.30	88.47	6309.36	70.64	1.094
13-74-P	72.38	56.30	5461.16	47.48	1.024
13-75-P	72.38	56.30	5467.53	54.57	1.114
13-76-P	72.38	56.30	5474.17	61.97	1.223
13-77-P	56.30	40.21	4260.30	51.17	1.031
13-78-P	56.30	40.21	4262.75	53.90	1.122
13-79-P	56.30	40.21	4264.76	56.15	1.217
13-80-P	56.30	40.21	4266.52	58.13	1.309
13-81-P	40.21	40.21	3064.83	43.33	1.016
13-82-P	40.21	40.21	3066.41	45.08	1.102
13-83-P	40.21	40.21	3068.15	47.01	1.198
13-84-P	40.21	40.21	3070.28	49.37	1.305
13-85-P	40.21	40.21	3072.84	52.20	1.433
13-86-P	40.21	40.21	3075.95	55.65	1.589
13-87-P	40.21	40.21	3079.77	59.88	1.774
13-88-P	40.21	40.21	3085.94	66.72	1.976
13-89-P	40.21	80.42	3113.79	77.48	2.238
13-90-P	40.21	80.42	3125.96	90.65	2.558
13-91-P	40.21	80.42	3142.16	108.19	2.985
13-92-P	40.21	80.42	3164.66	132.56	3.581
13-93-P	40.21	40.21	1782.63	0.54	2.367
13-94-P	40.21	40.21	1782.61	0.50	2.553
13-95-P	40.21	40.21	1782.65	0.58	2.755
13-96-P	40.21	40.21	1782.77	0.79	2.974
13-97-P	40.21	40.21	1782.93	1.10	3.219
13-98-P	40.21	40.21	1783.07	1.36	3.496
13-99-P	40.21	40.21	1782.75	0.76	3.777
13-100-P	40.21	40.21	1781.80	-0.97	4.059
13-101-P	40.21	40.21	1780.50	-3.32	4.372
13-102-P	40.21	40.21	1778.86	-6.27	4.727
13-103-P	40.21	40.21	1777.25	-9.17	5.106
13-104-P	40.21	40.21	1776.95	-9.71	5.376
13-105-P	40.21	40.21	1777.20	-9.25	5.644
13-106-P	40.21	40.21	1777.65	-8.45	5.932
13-107-P	40.21	40.21	1778.32	-7.24	6.245
13-108-P	40.21	40.21	1779.03	-5.96	6.488
13-109-P	40.21	40.21	1779.80	-4.58	6.745
13-110-P	40.21	40.21	1780.65	-3.04	7.032
13-111-P	40.21	40.21	1781.46	-1.59	7.344
14-1-P	48.25	48.25	-2137.77	0.89	11.161
14-2-P	48.25	48.25	-2137.74	0.84	10.470
14-3-P	48.25	48.25	-2137.72	0.79	9.843
14-4-P	48.25	48.25	-2137.50	0.40	9.284
14-5-P	48.25	48.25	-2137.13	-0.30	8.613
14-6-P	48.25	48.25	-2136.68	-1.11	7.317
14-7-P	48.25	48.25	-2136.23	-1.92	6.369
14-8-P	48.25	48.25	-2135.85	-2.60	5.626
14-9-P	48.25	48.25	-2135.51	-3.23	5.056
14-10-P	48.25	48.25	-2136.40	-1.61	4.815
14-11-P	48.25	48.25	-2137.87	1.09	4.860
14-12-P	48.25	48.25	-2138.74	2.70	5.114
14-13-P	48.25	48.25	-2139.06	3.30	5.639
14-14-P	48.25	48.25	2139.07	3.30	5.586
14-15-P	48.25	48.25	2138.95	3.07	5.060
14-16-P	48.25	48.25	2138.83	2.86	4.583
14-17-P	48.25	48.25	2138.73	2.67	4.171
14-18-P	48.25	48.25	2138.63	2.49	3.816
14-19-P	48.25	48.25	2138.54	2.32	3.507
14-20-P	48.25	96.51	3655.74	5.79	5.423
14-21-P	48.25	96.51	3654.99	4.98	4.939
14-22-P	48.25	96.51	3654.26	4.19	4.528
14-23-P	48.25	96.51	3653.55	3.43	4.174
14-24-P	48.25	48.25	3630.79	2.63	3.844
14-25-P	48.25	48.25	3630.16	1.94	3.654
14-26-P	48.25	48.25	3629.68	1.40	3.498
14-27-P	48.25	48.25	3629.32	1.01	3.359
14-28-P	48.25	48.25	3629.09	0.76	3.235
14-29-P	48.25	48.25	3628.89	0.53	3.105
14-30-P	48.25	48.25	3628.64	0.25	2.937
14-31-P	48.25	48.25	3628.48	0.08	2.793
14-32-P	48.25	48.25	3628.49	0.09	2.677
14-33-P	48.25	48.25	3628.62	0.24	2.534
14-34-P	48.25	48.25	3628.79	0.43	2.370

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
14-35-P	48.25	56.30	3634.58	0.66	2.234
14-36-P	48.25	56.30	3634.66	0.76	2.118
14-37-P	48.25	56.30	-4138.06	-92.40	1.917
14-38-P	48.25	96.51	5339.54	1.35	2.853
14-39-P	72.38	112.59	-14281.16	-363.65	4.822
14-40-P	72.38	112.59	-14390.84	-295.78	4.138
14-41-P	72.38	112.59	-14471.36	-245.95	3.432
14-42-P	72.38	80.42	-10438.15	-149.29	1.901
14-43-P	72.38	56.30	-7353.45	-93.49	1.077
14-44-P	72.38	56.30	-7345.73	-98.06	1.008
14-45-P	72.38	56.30	-7279.00	-137.57	1.231
14-46-P	72.38	56.30	-7179.34	-196.58	1.581
14-47-P	72.38	56.30	-7010.24	-296.70	2.203
14-48-P	72.38	56.30	-6739.43	-457.04	3.042
14-49-P	72.38	56.30	-6309.71	-711.47	4.262
14-50-P	72.38	56.30	8804.76	-487.05	4.123
14-51-P	72.38	56.30	8765.21	-511.22	3.998
14-52-P	72.38	56.30	8872.08	-445.90	3.758
14-53-P	72.38	56.30	9103.17	-304.65	3.477
14-54-P	72.38	56.30	9286.13	-192.81	3.301
14-55-P	72.38	56.30	9331.13	-165.30	2.928
14-56-P	72.38	56.30	9516.97	-51.70	2.472
14-57-P	72.38	56.30	9649.09	30.20	2.304
14-58-P	72.38	56.30	9770.85	107.55	2.197
14-59-P	72.38	56.30	9890.89	183.80	2.117
14-60-P	72.38	56.30	10012.46	261.04	2.060
14-61-P	72.38	56.30	10095.51	313.80	1.984
14-62-P	72.38	56.30	10008.33	258.42	1.774
14-63-P	72.38	56.30	9940.97	215.62	1.609
14-64-P	72.38	56.30	9886.33	180.91	1.473
14-65-P	72.38	56.30	9830.88	145.68	1.288
14-66-P	72.38	56.30	9775.44	110.46	1.070
14-67-P	88.47	56.30	11861.06	105.77	1.126
14-68-P	88.47	56.30	11846.61	96.66	1.090
14-69-P	88.47	56.30	11849.55	98.41	1.148
14-70-P	72.38	80.42	9780.66	88.63	1.067
14-71-P	72.38	112.59	9843.85	105.93	1.308
14-72-P	72.38	112.59	9871.23	122.89	1.490
14-73-P	72.38	112.59	9898.88	140.01	1.645
14-74-P	72.38	96.51	8124.53	110.60	1.501
14-75-P	72.38	56.30	5470.57	57.96	1.104
14-76-P	72.38	56.30	5478.36	66.64	1.215
14-77-P	72.38	56.30	5485.31	74.37	1.336
14-78-P	72.38	48.25	5475.14	77.07	1.442
14-79-P	48.25	48.25	3676.92	53.68	1.053
14-80-P	48.25	48.25	3678.61	55.55	1.146
14-81-P	48.25	48.25	3680.40	57.53	1.238
14-82-P	48.25	48.25	3682.49	59.84	1.344
14-83-P	48.25	48.25	3684.94	62.55	1.471
14-84-P	48.25	48.25	3687.78	65.70	1.616
14-85-P	48.25	48.25	3690.96	69.21	1.769
14-86-P	48.25	48.25	3694.07	72.66	1.937
14-87-P	48.25	48.25	3697.59	76.55	2.136
14-88-P	48.25	48.25	3702.07	81.50	2.380
14-89-P	48.25	96.51	3736.60	93.05	2.704
14-90-P	48.25	96.51	3752.33	110.03	3.105
14-91-P	48.25	96.51	3773.73	133.13	3.649
14-92-P	48.25	96.51	3804.47	166.30	4.426
14-93-P	48.25	48.25	2177.12	73.86	3.178
14-94-P	48.25	48.25	2137.74	0.83	3.774
14-95-P	48.25	48.25	2137.81	0.97	4.143
14-96-P	48.25	48.25	2137.92	1.17	4.570
14-97-P	48.25	48.25	2138.07	1.45	5.063
14-98-P	48.25	48.25	2138.25	1.78	5.605
14-99-P	48.25	48.25	-2138.28	1.84	5.656
14-100-P	48.25	48.25	-2138.05	1.42	5.127
14-101-P	48.25	48.25	-2137.34	0.09	4.870
14-102-P	48.25	48.25	-2136.09	-2.18	4.824
14-103-P	48.25	48.25	-2135.35	-3.52	5.064
14-104-P	48.25	48.25	-2135.68	-2.92	5.632
14-105-P	48.25	48.25	-2136.03	-2.28	6.372
14-106-P	48.25	48.25	-2136.46	-1.50	7.315
14-107-P	48.25	48.25	-2136.89	-0.73	8.603
14-108-P	48.25	48.25	-2137.25	-0.07	9.272
14-109-P	48.25	48.25	-2137.47	0.33	9.831
14-110-P	48.25	48.25	-2137.50	0.38	10.460
14-111-P	48.25	48.25	-2137.54	0.46	11.153
15-1-P	40.21	40.21	-1781.96	-0.68	8.414
15-2-P	40.21	40.21	-1781.99	-0.63	7.664
15-3-P	40.21	40.21	-1782.02	-0.59	7.064
15-4-P	40.21	40.21	-1782.18	-0.30	6.581
15-5-P	40.21	40.21	-1782.44	0.19	6.105
15-6-P	40.21	40.21	-1782.76	0.79	5.314
15-7-P	40.21	40.21	-1783.09	1.41	4.732
15-8-P	40.21	40.21	-1783.38	1.95	4.267
15-9-P	40.21	40.21	-1783.66	2.47	3.905
15-10-P	40.21	40.21	-1783.00	1.24	3.771
15-11-P	40.21	40.21	-1781.85	-0.88	3.839
15-12-P	40.21	40.21	-1781.14	-2.18	4.079
15-13-P	40.21	40.21	-1780.85	-2.69	4.559
15-14-P	40.21	40.21	-1780.66	-3.05	5.141
15-15-P	40.21	40.21	-1780.49	-3.34	5.584
15-16-P	40.21	40.21	1780.44	-3.42	5.649

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
15-17-P	40.21	40.21	1780.63	-3.09	5.087
15-18-P	40.21	40.21	1780.80	-2.78	4.588
15-19-P	40.21	40.21	1780.95	-2.50	4.147
15-20-P	40.21	80.42	3036.39	-6.15	6.279
15-21-P	40.21	80.42	3037.27	-5.22	5.660
15-22-P	40.21	80.42	3038.14	-4.31	5.169
15-23-P	40.21	80.42	3039.01	-3.39	4.774
15-24-P	40.21	40.21	3023.43	-2.45	4.428
15-25-P	40.21	40.21	3024.05	-1.78	4.151
15-26-P	40.21	40.21	3024.16	-1.67	3.905
15-27-P	40.21	40.21	3024.21	-1.62	3.687
15-28-P	40.21	40.21	3024.24	-1.58	3.498
15-29-P	40.21	40.21	3024.39	-1.42	3.345
15-30-P	40.21	40.21	3024.66	-1.14	3.202
15-31-P	40.21	40.21	-2906.63	-127.93	2.889
15-32-P	40.21	40.21	-2913.06	-121.01	2.616
15-33-P	40.21	40.21	-2919.69	-113.89	2.361
15-34-P	40.21	56.30	3034.68	0.32	2.571
15-35-P	40.21	56.30	3034.62	0.26	2.375
15-36-P	40.21	56.30	-4111.84	-111.48	2.169
15-37-P	40.21	56.30	-4129.80	-92.00	1.884
15-38-P	64.34	88.47	-10044.14	-272.25	4.020
15-39-P	64.34	112.59	-14242.91	-372.36	4.784
15-40-P	64.34	112.59	-14344.89	-308.99	4.139
15-41-P	64.34	112.59	-14431.49	-255.18	3.471
15-42-P	64.34	88.47	-11449.20	-163.97	2.040
15-43-P	64.34	56.30	-7333.99	-100.45	1.122
15-44-P	64.34	56.30	-7317.80	-110.06	1.114
15-45-P	64.34	56.30	-7278.61	-133.32	1.230
15-46-P	64.34	56.30	-7202.96	-178.20	1.501
15-47-P	64.34	56.30	-7028.21	-281.90	2.179
15-48-P	64.34	56.30	-6754.94	-444.05	2.901
15-49-P	64.34	56.30	8562.86	8.45	2.768
15-50-P	64.34	56.30	8552.62	1.97	2.543
15-51-P	64.34	56.30	8540.29	-5.62	2.336
15-52-P	64.34	56.30	8531.66	-10.88	2.124
15-53-P	64.34	56.30	8526.55	-13.99	1.943
15-54-P	64.34	56.30	8521.52	-17.05	1.800
15-55-P	64.34	56.30	8516.38	-20.19	1.686
15-56-P	64.34	56.30	8511.01	-23.45	1.595
15-57-P	64.34	56.30	8511.62	-23.09	1.601
15-58-P	64.34	56.30	8520.44	-17.71	1.729
15-59-P	64.34	56.30	8530.56	-11.55	1.883
15-60-P	64.34	56.30	9006.10	289.10	1.901
15-61-P	64.34	56.30	9051.78	318.03	1.802
15-62-P	64.34	56.30	8967.90	264.92	1.599
15-63-P	64.34	56.30	8885.96	213.03	1.425
15-64-P	64.34	56.30	8815.88	168.66	1.285
15-65-P	64.34	56.30	8758.41	132.27	1.128
15-66-P	88.47	56.30	11921.43	144.38	1.317
15-67-P	88.47	56.30	11881.50	118.84	1.176
15-68-P	88.47	56.30	11852.15	100.08	1.088
15-69-P	88.47	56.30	11848.79	97.93	1.133
15-70-P	88.47	88.47	11941.12	111.85	1.328
15-71-P	88.47	112.59	12007.54	130.79	1.585
15-72-P	88.47	112.59	12040.67	151.39	1.810
15-73-P	88.47	112.59	12077.63	174.39	2.016
15-74-P	88.47	88.47	10695.24	149.27	1.999
15-75-P	88.47	56.30	6660.06	71.35	1.355
15-76-P	64.34	56.30	4879.21	59.00	1.084
15-77-P	64.34	56.30	4885.95	66.47	1.191
15-78-P	64.34	56.30	4887.98	68.72	1.284
15-79-P	64.34	40.21	4867.63	70.80	1.386
15-80-P	64.34	40.21	4869.99	73.46	1.514
15-81-P	40.21	40.21	3069.19	48.16	1.040
15-82-P	40.21	40.21	3070.98	50.14	1.126
15-83-P	40.21	40.21	3072.85	52.22	1.224
15-84-P	40.21	40.21	3075.00	54.59	1.341
15-85-P	40.21	40.21	3077.44	57.30	1.480
15-86-P	40.21	40.21	3080.12	60.27	1.626
15-87-P	40.21	40.21	3083.42	63.93	1.792
15-88-P	40.21	40.21	3089.18	70.31	1.996
15-89-P	40.21	80.42	3116.84	80.78	2.263
15-90-P	40.21	80.42	3129.19	94.15	2.595
15-91-P	40.21	80.42	3146.32	112.70	3.044
15-92-P	40.21	80.42	3171.32	139.77	3.688
15-93-P	40.21	40.21	1815.66	61.89	2.647
15-94-P	40.21	40.21	1826.91	82.77	3.326
15-95-P	40.21	40.21	1844.63	115.68	4.452
15-96-P	40.21	40.21	1781.59	-1.34	5.598
15-97-P	40.21	40.21	-1781.49	-1.54	5.593
15-98-P	40.21	40.21	-1781.46	-1.60	5.167
15-99-P	40.21	40.21	-1781.54	-1.45	4.583
15-100-P	40.21	40.21	-1781.73	-1.10	4.098
15-101-P	40.21	40.21	-1782.32	-0.05	3.853
15-102-P	40.21	40.21	-1783.27	1.74	3.780
15-103-P	40.21	40.21	-1783.80	2.74	3.911
15-104-P	40.21	40.21	-1783.54	2.24	4.275
15-105-P	40.21	40.21	-1783.26	1.72	4.743
15-106-P	40.21	40.21	-1782.94	1.12	5.327
15-107-P	40.21	40.21	-1782.63	0.54	6.121
15-108-P	40.21	40.21	-1782.38	0.07	6.597
15-109-P	40.21	40.21	-1782.22	-0.21	7.080

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
15-110-P	40.21	40.21	-1782.20	-0.26	7.677
15-111-P	40.21	40.21	-1782.16	-0.33	8.423
16-1-P	40.21	40.21	-1782.94	1.12	8.105
16-2-P	40.21	40.21	-1783.73	2.60	7.423
16-3-P	40.21	40.21	-1784.51	4.07	6.861
16-4-P	40.21	40.21	-1785.17	5.31	6.381
16-5-P	40.21	40.21	-1785.75	6.37	5.958
16-6-P	40.21	40.21	-1786.19	7.20	5.496
16-7-P	40.21	40.21	-1786.42	7.63	5.107
16-8-P	40.21	40.21	-1786.48	7.75	4.777
16-9-P	40.21	40.21	-1786.11	7.05	4.522
16-10-P	40.21	40.21	-1784.71	4.44	4.468
16-11-P	40.21	40.21	-1783.10	1.41	4.459
16-12-P	40.21	40.21	-1781.50	-1.53	4.475
16-13-P	40.21	40.21	-1779.96	-4.31	4.530
16-14-P	40.21	40.21	-1779.04	-5.97	4.730
16-15-P	40.21	40.21	-1778.76	-6.48	5.113
16-16-P	40.21	40.21	-1778.53	-6.89	5.567
16-17-P	40.21	40.21	-1778.18	-7.54	6.134
16-18-P	40.21	40.21	-1777.45	-8.86	6.964
16-19-P	40.21	40.21	1777.28	-9.12	6.689
16-20-P	40.21	80.42	3020.02	-23.38	10.369
16-21-P	40.21	80.42	3023.29	-19.94	9.359
16-22-P	40.21	80.42	2776.44	-276.16	8.185
16-23-P	40.21	80.42	2813.53	-237.71	7.080
16-24-P	40.21	40.21	2831.80	-207.22	6.210
16-25-P	40.21	40.21	2854.30	-183.18	5.539
16-26-P	40.21	40.21	2868.40	-168.11	5.029
16-27-P	40.21	40.21	-2879.55	-157.02	4.420
16-28-P	40.21	40.21	-2893.33	-142.21	3.844
16-29-P	40.21	40.21	-2904.11	-130.63	3.397
16-30-P	40.21	40.21	-2912.71	-121.39	3.040
16-31-P	40.21	40.21	-2919.68	-113.91	2.752
16-32-P	40.21	40.21	-2925.29	-107.88	2.510
16-33-P	40.21	40.21	-2933.39	-99.18	2.219
16-34-P	40.21	40.21	-2941.41	-90.56	1.945
16-35-P	40.21	40.21	-2947.52	-84.00	1.739
16-36-P	40.21	56.30	-4114.44	-108.67	2.186
16-37-P	40.21	56.30	-4128.50	-93.40	1.915
16-38-P	40.21	56.30	-4140.76	-80.11	1.712
16-39-P	40.21	88.47	4154.26	-210.53	2.738
16-40-P	56.30	112.59	6887.64	-382.44	4.259
16-41-P	56.30	112.59	6941.31	-350.95	4.012
16-42-P	56.30	112.59	7531.92	-4.31	3.703
16-43-P	56.30	88.47	-11329.31	-226.47	3.209
16-44-P	56.30	56.30	-7225.62	-159.68	2.124
16-45-P	56.30	56.30	-7183.79	-184.57	2.302
16-46-P	56.30	56.30	7503.24	5.80	2.558
16-47-P	56.30	56.30	7504.58	6.64	2.306
16-48-P	56.30	56.30	7492.16	-1.15	2.056
16-49-P	56.30	56.30	7470.84	-14.09	1.832
16-50-P	56.30	56.30	7451.59	-25.78	1.653
16-51-P	56.30	56.30	7434.78	-35.99	1.499
16-52-P	56.30	56.30	7423.34	-42.93	1.303
16-53-P	56.30	56.30	7417.56	-46.44	1.159
16-54-P	56.30	56.30	7414.81	-48.11	1.092
16-55-P	56.30	56.30	7413.32	-49.02	1.053
16-56-P	56.30	56.30	7413.91	-48.66	1.029
16-57-P	56.30	56.30	7420.09	-44.90	1.039
16-58-P	56.30	56.30	7433.14	-36.98	1.101
16-59-P	56.30	56.30	7449.26	-27.20	1.199
16-60-P	56.30	56.30	7468.04	-15.80	1.321
16-61-P	56.30	56.30	7490.77	-1.99	1.472
16-62-P	56.30	56.30	7653.13	100.39	1.425
16-63-P	56.30	56.30	7635.24	89.10	1.305
16-64-P	56.30	56.30	7626.50	83.59	1.215
16-65-P	56.30	56.30	7622.95	81.35	1.141
16-66-P	56.30	56.30	7618.50	78.54	1.093
16-67-P	56.30	56.30	7612.22	74.57	1.071
16-68-P	56.30	56.30	7606.57	71.01	1.049
16-69-P	56.30	88.47	7633.57	67.73	1.027
16-70-P	56.30	112.59	7664.89	75.06	1.079
16-71-P	56.30	112.59	7679.00	83.49	1.142
16-72-P	56.30	112.59	7695.01	93.06	1.233
16-73-P	56.30	88.47	6311.50	72.25	1.098
16-74-P	72.38	56.30	5461.37	47.71	1.026
16-75-P	72.38	56.30	5466.77	53.73	1.110
16-76-P	72.38	56.30	5473.21	60.90	1.215
16-77-P	56.30	40.21	4260.34	51.22	1.026
16-78-P	56.30	40.21	4262.19	53.28	1.105
16-79-P	56.30	40.21	4264.12	55.44	1.197
16-80-P	56.30	40.21	4266.20	57.77	1.309
16-81-P	40.21	40.21	3064.68	43.16	1.021
16-82-P	40.21	40.21	3066.30	44.96	1.102
16-83-P	40.21	40.21	3068.21	47.08	1.198
16-84-P	40.21	40.21	3070.50	49.62	1.312
16-85-P	40.21	40.21	3073.30	52.71	1.451
16-86-P	40.21	40.21	3076.98	56.79	1.616
16-87-P	40.21	40.21	3082.87	63.32	1.781
16-88-P	40.21	40.21	3090.25	71.49	1.980
16-89-P	40.21	80.42	3117.88	81.91	2.241
16-90-P	40.21	80.42	3129.52	94.51	2.559
16-91-P	40.21	80.42	3145.03	111.30	2.984

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
16-92-P	40.21	80.42	3166.69	134.76	3.577
16-93-P	40.21	40.21	1813.24	57.38	2.507
16-94-P	40.21	40.21	1821.97	73.60	3.169
16-95-P	40.21	40.21	1835.32	98.41	4.219
16-96-P	40.21	40.21	-1781.60	-1.33	5.481
16-97-P	40.21	40.21	-1781.44	-1.62	5.065
16-98-P	40.21	40.21	-1781.37	-1.75	4.708
16-99-P	40.21	40.21	-1781.87	-0.85	4.528
16-100-P	40.21	40.21	-1782.94	1.13	4.486
16-101-P	40.21	40.21	-1784.18	3.44	4.472
16-102-P	40.21	40.21	-1785.54	5.98	4.476
16-103-P	40.21	40.21	-1786.70	8.16	4.525
16-104-P	40.21	40.21	-1786.97	8.66	4.780
16-105-P	40.21	40.21	-1786.83	8.41	5.113
16-106-P	40.21	40.21	-1786.54	7.87	5.505
16-107-P	40.21	40.21	-1786.05	6.95	5.972
16-108-P	40.21	40.21	-1785.49	5.90	6.395
16-109-P	40.21	40.21	-1784.85	4.69	6.875
16-110-P	40.21	40.21	-1784.07	3.24	7.437
16-111-P	40.21	40.21	-1783.29	1.78	8.117
17-1-P	40.21	40.21	-1786.84	8.42	7.918
17-2-P	40.21	40.21	-1787.21	9.12	7.324
17-3-P	40.21	40.21	-1787.40	9.47	6.843
17-4-P	40.21	40.21	-1787.40	9.48	6.449
17-5-P	40.21	40.21	-1787.34	9.36	6.103
17-6-P	40.21	40.21	-1787.08	8.88	5.648
17-7-P	40.21	40.21	-1786.75	8.25	5.183
17-8-P	40.21	40.21	-1786.23	7.28	4.685
17-9-P	40.21	40.21	-1785.62	6.14	4.197
17-10-P	40.21	40.21	-1784.79	4.59	3.799
17-11-P	40.21	40.21	-1783.75	2.65	3.797
17-12-P	40.21	40.21	-1782.58	0.45	3.913
17-13-P	40.21	40.21	-1781.29	-1.90	4.024
17-14-P	40.21	40.21	-1779.81	-4.58	4.241
17-15-P	40.21	40.21	-1778.25	-7.41	4.856
17-16-P	40.21	40.21	-1777.38	-8.98	5.563
17-17-P	40.21	40.21	-1776.28	-10.97	6.492
17-18-P	40.21	40.21	-1689.99	-167.25	7.530
17-19-P	40.21	40.21	-1701.83	-145.80	6.714
17-20-P	40.21	64.34	2787.94	0.00	10.294
17-21-P	40.21	80.42	3042.24	0.00	9.714
17-22-P	40.21	80.42	3042.24	0.00	8.561
17-23-P	40.21	80.42	3042.24	0.00	7.663
17-24-P	40.21	56.30	2815.21	-232.43	6.868
17-25-P	40.21	40.21	-2882.46	-153.88	5.079
17-26-P	40.21	40.21	-2895.55	-139.82	4.570
17-27-P	40.21	40.21	-2904.64	-130.06	4.120
17-28-P	40.21	40.21	-2912.75	-121.35	3.715
17-29-P	40.21	40.21	-2919.93	-113.63	3.354
17-30-P	40.21	40.21	-2926.35	-106.74	3.030
17-31-P	40.21	40.21	-2933.25	-99.33	2.724
17-32-P	40.21	40.21	-2940.12	-91.95	2.454
17-33-P	40.21	40.21	-2945.81	-85.83	2.230
17-34-P	40.21	40.21	-2951.14	-80.11	2.012
17-35-P	40.21	40.21	-2955.75	-75.16	1.820
17-36-P	40.21	40.21	-2958.88	-71.80	1.698
17-37-P	40.21	64.34	2912.72	-131.97	2.159
17-38-P	40.21	64.34	2921.04	-123.18	2.006
17-39-P	40.21	64.34	3027.68	-10.41	1.847
17-40-P	40.21	80.42	3914.39	-16.60	2.152
17-41-P	64.34	104.55	7650.23	-40.42	3.800
17-42-P	64.34	128.68	8528.29	-51.82	3.833
17-43-P	64.34	128.68	8523.51	-54.63	3.453
17-44-P	64.34	112.59	8506.73	-59.38	3.113
17-45-P	64.34	88.47	8486.95	-61.06	2.822
17-46-P	64.34	64.34	8459.04	-61.99	2.531
17-47-P	64.34	64.34	8449.31	-67.90	2.238
17-48-P	64.34	64.34	8439.83	-73.65	1.989
17-49-P	64.34	64.34	8431.02	-79.00	1.780
17-50-P	64.34	64.34	8420.55	-85.36	1.574
17-51-P	64.34	64.34	8417.04	-87.49	1.352
17-52-P	64.34	64.34	8417.50	-87.21	1.164
17-53-P	88.47	88.47	11583.80	-108.84	1.339
17-54-P	88.47	88.47	11613.43	-90.86	1.103
17-55-P	88.47	88.47	11638.54	-75.61	1.005
17-56-P	88.47	88.47	11653.62	-66.46	1.058
17-57-P	88.47	88.47	11667.29	-58.16	1.166
17-58-P	88.47	64.34	11635.02	-49.33	1.331
17-59-P	64.34	64.34	8513.11	-29.15	1.180
17-60-P	64.34	64.34	8521.30	-24.18	1.334
17-61-P	64.34	64.34	8528.39	-19.87	1.509
17-62-P	64.34	64.34	8538.24	-13.89	1.738
17-63-P	64.34	64.34	8635.99	47.20	1.645
17-64-P	64.34	64.34	8638.62	48.86	1.585
17-65-P	64.34	64.34	8643.14	51.71	1.537
17-66-P	64.34	88.47	8676.61	55.05	1.502
17-67-P	64.34	112.59	8702.13	58.67	1.500
17-68-P	64.34	128.68	8724.03	64.13	1.501
17-69-P	64.34	128.68	8737.51	72.18	1.511
17-70-P	64.34	104.55	7807.75	66.92	1.384
17-71-P	64.34	80.42	6328.64	50.82	1.158
17-72-P	72.38	64.34	5463.04	38.01	1.040
17-73-P	72.38	64.34	5467.63	43.10	1.103

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
17-74-P	64.34	64.34	4872.95	42.83	1.049
17-75-P	64.34	40.21	4845.58	45.99	1.106
17-76-P	64.34	40.21	4847.57	48.23	1.173
17-77-P	64.34	40.21	4849.36	50.25	1.261
17-78-P	64.34	40.21	4851.33	52.47	1.371
17-79-P	64.34	40.21	4853.56	54.98	1.484
17-80-P	40.21	40.21	3058.51	36.33	1.000
17-81-P	40.21	40.21	3060.22	38.22	1.073
17-82-P	40.21	40.21	3062.04	40.24	1.160
17-83-P	40.21	40.21	3064.02	42.43	1.264
17-84-P	40.21	40.21	3066.18	44.83	1.393
17-85-P	40.21	40.21	3069.85	48.89	1.529
17-86-P	40.21	40.21	3075.10	54.71	1.675
17-87-P	40.21	56.30	3090.96	61.99	1.859
17-88-P	40.21	80.42	3107.79	70.98	2.085
17-89-P	40.21	80.42	3118.13	82.17	2.366
17-90-P	40.21	80.42	3131.41	96.56	2.732
17-91-P	40.21	64.34	2869.96	97.26	2.939
17-92-P	40.21	40.21	1808.43	48.45	2.198
17-93-P	40.21	40.21	1815.03	60.71	2.699
17-94-P	40.21	40.21	1825.52	80.20	3.496
17-95-P	40.21	40.21	1844.87	116.13	4.961
17-96-P	40.21	40.21	-1782.40	0.11	4.753
17-97-P	40.21	40.21	-1782.96	1.17	4.165
17-98-P	40.21	40.21	-1783.77	2.67	3.969
17-99-P	40.21	40.21	-1784.53	4.10	3.878
17-100-P	40.21	40.21	-1785.23	5.41	3.779
17-101-P	40.21	40.21	-1785.88	6.64	3.795
17-102-P	40.21	40.21	-1786.50	7.79	4.196
17-103-P	40.21	40.21	-1786.93	8.59	4.685
17-104-P	40.21	40.21	-1787.25	9.19	5.184
17-105-P	40.21	40.21	-1787.40	9.48	5.650
17-106-P	40.21	40.21	-1787.51	9.67	6.106
17-107-P	40.21	40.21	-1787.54	9.72	6.455
17-108-P	40.21	40.21	-1787.50	9.66	6.851
17-109-P	40.21	40.21	-1787.29	9.26	7.335
17-110-P	40.21	40.21	-1786.88	8.49	7.932
18-1-P	40.21	40.21	-1784.59	4.33	8.258
18-2-P	40.21	40.21	-1785.06	5.10	7.609
18-3-P	40.21	40.21	-1785.51	5.93	7.067
18-4-P	40.21	40.21	-1785.96	6.77	6.568
18-5-P	40.21	40.21	-1786.39	7.58	6.109
18-6-P	40.21	40.21	-1786.17	7.17	5.424
18-7-P	40.21	40.21	-1784.95	4.88	4.465
18-8-P	40.21	40.21	-1784.06	3.21	3.784
18-9-P	40.21	40.21	-1783.42	2.02	3.291
18-10-P	40.21	40.21	-1782.96	1.16	2.944
18-11-P	40.21	40.21	-1782.50	0.29	2.789
18-12-P	40.21	40.21	-1781.46	-1.59	3.021
18-13-P	40.21	40.21	-1780.02	-4.21	3.459
18-14-P	40.21	40.21	-1778.06	-7.76	4.081
18-15-P	40.21	40.21	-1775.33	-12.69	4.979
18-16-P	40.21	40.21	-1773.32	-16.34	5.842
18-17-P	40.21	40.21	-1770.77	-20.95	7.079
18-18-P	40.21	40.21	-1701.22	-146.91	6.591
18-19-P	40.21	40.21	-1712.80	-125.94	5.961
18-20-P	40.21	40.21	-1943.82	-138.74	6.125
18-21-P	40.21	64.34	2787.94	0.00	8.968
18-22-P	40.21	80.42	3042.24	0.00	8.609
18-23-P	40.21	80.42	3042.24	0.00	7.682
18-24-P	40.21	80.42	3042.24	0.00	6.947
18-25-P	40.21	56.30	2841.91	-204.11	6.196
18-26-P	40.21	40.21	-2914.09	-119.91	4.519
18-27-P	40.21	40.21	-2921.26	-112.21	4.157
18-28-P	40.21	40.21	-2926.46	-106.62	3.827
18-29-P	40.21	40.21	-2931.29	-101.43	3.543
18-30-P	40.21	40.21	-2936.84	-95.48	3.287
18-31-P	40.21	40.21	-2942.41	-89.49	3.025
18-32-P	40.21	40.21	-2947.73	-83.78	2.769
18-33-P	40.21	40.21	-2952.66	-78.48	2.526
18-34-P	40.21	40.21	-2956.10	-74.78	2.358
18-35-P	40.21	40.21	-2957.61	-73.16	2.294
18-36-P	40.21	40.21	3008.30	-18.62	2.158
18-37-P	40.21	40.21	3008.73	-18.16	1.939
18-38-P	40.21	40.21	3007.75	-19.20	1.778
18-39-P	40.21	40.21	3006.81	-20.21	1.639
18-40-P	40.21	40.21	3006.40	-20.65	1.503
18-41-P	40.21	72.38	3020.23	-20.97	1.350
18-42-P	40.21	72.38	3456.35	-27.40	1.386
18-43-P	40.21	96.51	4003.88	-36.85	1.454
18-44-P	40.21	112.59	4436.86	-45.52	1.447
18-45-P	72.38	128.68	8727.81	-100.66	2.536
18-46-P	72.38	136.72	9296.75	-116.06	2.435
18-47-P	72.38	120.64	9476.49	-121.37	2.247
18-48-P	72.38	104.55	9465.77	-120.30	1.999
18-49-P	72.38	96.51	9459.39	-119.68	1.782
18-50-P	72.38	80.42	9446.28	-116.92	1.574
18-51-P	72.38	72.38	9445.59	-110.93	1.379
18-52-P	72.38	72.38	9469.66	-96.31	1.162
18-53-P	96.51	96.51	12665.15	-100.59	1.268
18-54-P	96.51	96.51	12695.90	-81.92	1.103
18-55-P	96.51	96.51	12717.32	-68.92	1.006
18-56-P	96.51	96.51	12721.37	-66.47	1.102

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
18-57-P	96.51	96.51	12723.82	-64.98	1.269
18-58-P	72.38	72.38	9549.99	-47.53	1.142
18-59-P	72.38	72.38	9551.37	-46.69	1.396
18-60-P	72.38	80.42	9563.25	-46.09	1.548
18-61-P	72.38	96.51	9582.63	-45.42	1.735
18-62-P	72.38	104.55	9591.55	-44.67	1.970
18-63-P	72.38	120.64	9741.17	38.35	2.217
18-64-P	72.38	136.72	9559.65	44.31	2.114
18-65-P	72.38	128.68	8950.48	45.70	1.933
18-66-P	72.38	112.59	8128.52	43.30	1.714
18-67-P	72.38	96.51	7306.00	40.39	1.528
18-68-P	72.38	72.38	6271.04	34.49	1.319
18-69-P	72.38	72.38	5464.23	29.67	1.158
18-70-P	72.38	40.21	5420.91	32.76	1.172
18-71-P	72.38	40.21	5423.62	35.82	1.215
18-72-P	72.38	40.21	5425.76	38.24	1.257
18-73-P	72.38	40.21	5427.22	39.89	1.303
18-74-P	72.38	40.21	5428.70	41.57	1.367
18-75-P	72.38	40.21	5430.38	43.46	1.436
18-76-P	72.38	40.21	5432.24	45.57	1.510
18-77-P	72.38	40.21	5434.20	47.79	1.590
18-78-P	72.38	40.21	5436.14	49.99	1.680
18-79-P	40.21	40.21	3052.26	29.40	1.003
18-80-P	40.21	40.21	3053.63	30.92	1.076
18-81-P	40.21	40.21	3055.22	32.68	1.162
18-82-P	40.21	40.21	3057.13	34.80	1.262
18-83-P	40.21	40.21	3059.92	37.89	1.371
18-84-P	40.21	40.21	3063.87	42.26	1.485
18-85-P	40.21	56.30	3077.85	47.63	1.625
18-86-P	40.21	80.42	3092.13	54.02	1.795
18-87-P	40.21	80.42	3099.19	61.67	2.002
18-88-P	40.21	80.42	3108.09	71.31	2.265
18-89-P	40.21	64.34	2847.48	70.61	2.376
18-90-P	40.21	40.21	2058.49	45.02	1.971
18-91-P	40.21	40.21	1805.05	42.18	1.986
18-92-P	40.21	40.21	1810.51	52.33	2.340
18-93-P	40.21	40.21	1818.32	66.83	2.861
18-94-P	40.21	40.21	1830.48	89.41	3.713
18-95-P	40.21	40.21	1845.12	116.60	4.884
18-96-P	40.21	40.21	-1782.02	-0.57	4.055
18-97-P	40.21	40.21	-1782.83	0.92	3.440
18-98-P	40.21	40.21	-1783.43	2.04	3.005
18-99-P	40.21	40.21	-1783.92	2.95	2.777
18-100-P	40.21	40.21	-1784.17	3.42	2.936
18-101-P	40.21	40.21	-1784.47	3.99	3.282
18-102-P	40.21	40.21	-1784.92	4.84	3.775
18-103-P	40.21	40.21	-1785.56	6.03	4.456
18-104-P	40.21	40.21	-1786.43	7.66	5.417
18-105-P	40.21	40.21	-1786.49	7.77	6.102
18-106-P	40.21	40.21	-1786.04	6.92	6.562
18-107-P	40.21	40.21	-1785.58	6.06	7.064
18-108-P	40.21	40.21	-1785.13	5.21	7.609
18-109-P	40.21	40.21	-1784.65	4.43	8.263
19-1-P	40.21	40.21	-1780.15	-0.22	11.498
19-2-P	40.21	40.21	-1782.90	1.05	7.552
19-3-P	40.21	40.21	-1783.70	2.54	6.830
19-4-P	40.21	40.21	-1784.38	3.81	6.245
19-5-P	40.21	40.21	-1785.02	5.02	5.790
19-6-P	40.21	40.21	-1785.34	5.61	5.290
19-7-P	40.21	40.21	-1784.87	4.73	4.746
19-8-P	40.21	40.21	-1784.24	3.55	4.339
19-9-P	40.21	40.21	-1783.71	2.57	4.000
19-10-P	40.21	40.21	-1783.16	1.54	3.720
19-11-P	40.21	40.21	-1781.99	-0.63	3.749
19-12-P	40.21	40.21	-1780.31	-3.68	3.968
19-13-P	40.21	40.21	-1778.27	-7.36	4.228
19-14-P	40.21	40.21	-1775.97	-11.54	4.466
19-15-P	40.21	40.21	-1773.51	-15.98	4.971
19-16-P	40.21	40.21	-1770.41	-21.61	5.944
19-17-P	40.21	40.21	-1721.56	-110.08	6.392
19-18-P	40.21	40.21	-1727.56	-99.20	5.805
19-19-P	40.21	40.21	-1731.94	-91.28	5.350
19-20-P	40.21	40.21	-1734.42	-86.78	4.995
19-21-P	40.21	48.25	-2527.17	-150.72	6.762
19-22-P	40.21	64.34	2787.94	0.00	7.787
19-23-P	40.21	80.42	3042.24	0.00	7.632
19-24-P	40.21	80.42	2830.72	-219.89	6.530
19-25-P	40.21	72.38	2861.05	-187.96	5.651
19-26-P	40.21	56.30	2880.32	-163.38	4.974
19-27-P	40.21	40.21	2890.65	-144.33	4.420
19-28-P	40.21	40.21	2903.19	-130.93	3.960
19-29-P	40.21	40.21	2911.57	-121.98	3.595
19-30-P	40.21	40.21	2916.93	-116.25	3.299
19-31-P	40.21	40.21	2920.70	-112.23	3.052
19-32-P	40.21	40.21	2924.03	-108.67	2.838
19-33-P	40.21	40.21	2929.28	-103.06	2.599
19-34-P	40.21	40.21	2997.49	-30.17	2.319
19-35-P	40.21	40.21	2999.03	-28.52	2.059
19-36-P	40.21	40.21	3000.33	-27.14	1.849
19-37-P	40.21	40.21	3001.34	-26.06	1.678
19-38-P	40.21	40.21	3001.64	-25.74	1.539
19-39-P	40.21	40.21	3002.38	-24.95	1.372
19-40-P	40.21	40.21	3003.05	-24.23	1.233

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
19-41-P	40.21	40.21	3003.55	-23.69	1.120
19-42-P	40.21	40.21	3003.91	-23.31	1.026
19-43-P	64.34	40.21	4771.66	-35.84	1.463
19-44-P	64.34	40.21	4772.84	-34.56	1.311
19-45-P	64.34	40.21	4773.76	-33.56	1.188
19-46-P	64.34	40.21	5121.15	-37.42	1.157
19-47-P	64.34	56.30	5491.02	-41.01	1.121
19-48-P	64.34	64.34	5847.43	-44.87	1.091
19-49-P	64.34	72.38	6202.88	-48.60	1.056
19-50-P	80.42	80.42	7960.94	-59.78	1.228
19-51-P	80.42	104.55	8207.22	-59.11	1.168
19-52-P	80.42	104.55	8428.50	-58.29	1.121
19-53-P	80.42	104.55	8435.88	-52.70	1.066
19-54-P	80.42	72.38	8401.37	-50.22	1.048
19-55-P	80.42	80.42	8414.02	-49.21	1.057
19-56-P	80.42	72.38	8403.79	-48.36	1.122
19-57-P	80.42	72.38	8187.12	-45.88	1.183
19-58-P	80.42	56.30	7942.52	-44.02	1.248
19-59-P	64.34	48.25	6192.10	-33.73	1.062
19-60-P	64.34	48.25	5844.70	-29.76	1.087
19-61-P	64.34	40.21	5484.39	-25.90	1.115
19-62-P	64.34	40.21	5136.14	-22.27	1.155
19-63-P	64.34	40.21	4787.32	-18.85	1.188
19-64-P	64.34	40.21	4820.40	17.67	1.266
19-65-P	64.34	40.21	4822.17	19.65	1.236
19-66-P	64.34	40.21	4823.74	21.43	1.230
19-67-P	64.34	40.21	4825.00	22.84	1.240
19-68-P	64.34	40.21	4825.90	23.86	1.249
19-69-P	64.34	40.21	4826.82	24.89	1.258
19-70-P	64.34	40.21	4827.85	26.05	1.290
19-71-P	64.34	40.21	4828.96	27.29	1.326
19-72-P	64.34	40.21	4830.08	28.56	1.359
19-73-P	64.34	40.21	4831.28	29.90	1.397
19-74-P	64.34	40.21	4832.57	31.36	1.447
19-75-P	64.34	40.21	4834.00	32.97	1.512
19-76-P	64.34	40.21	4835.58	34.75	1.587
19-77-P	40.21	40.21	3046.59	23.12	1.052
19-78-P	40.21	40.21	3047.83	24.50	1.110
19-79-P	40.21	40.21	3049.27	26.09	1.176
19-80-P	40.21	40.21	3051.22	28.25	1.255
19-81-P	40.21	40.21	3054.08	31.42	1.347
19-82-P	40.21	56.30	3066.71	35.42	1.460
19-83-P	40.21	72.38	3077.03	40.11	1.592
19-84-P	40.21	80.42	3084.39	45.64	1.747
19-85-P	40.21	80.42	3090.56	52.32	1.933
19-86-P	40.21	64.34	2831.03	51.10	1.975
19-87-P	40.21	48.25	2311.36	40.60	1.819
19-88-P	40.21	40.21	1797.00	27.23	1.573
19-89-P	40.21	40.21	1798.47	29.95	1.763
19-90-P	40.21	40.21	1800.80	34.29	2.017
19-91-P	40.21	40.21	1804.16	40.52	2.367
19-92-P	40.21	40.21	1809.01	49.54	2.852
19-93-P	40.21	40.21	1813.68	58.20	3.302
19-94-P	40.21	40.21	1815.83	62.20	3.696
19-95-P	40.21	40.21	1815.81	62.16	4.153
19-96-P	40.21	40.21	-1783.25	1.69	3.962
19-97-P	40.21	40.21	-1784.22	3.51	3.737
19-98-P	40.21	40.21	-1784.90	4.80	3.706
19-99-P	40.21	40.21	-1785.17	5.30	3.986
19-100-P	40.21	40.21	-1785.37	5.67	4.327
19-101-P	40.21	40.21	-1785.62	6.13	4.738
19-102-P	40.21	40.21	-1785.76	6.41	5.285
19-103-P	40.21	40.21	-1785.34	5.62	5.786
19-104-P	40.21	40.21	-1784.66	4.35	6.242
19-105-P	40.21	40.21	-1783.97	3.04	6.829
19-106-P	40.21	40.21	-1783.15	1.51	7.553
19-107-P	24.13	24.13	-1070.36	0.11	6.914
20-1-P	40.21	40.21	-1779.13	-1.10	13.535
20-2-P	40.21	40.21	-1782.55	0.40	7.857
20-3-P	40.21	40.21	-1783.74	2.62	7.233
20-4-P	40.21	40.21	-1784.75	4.51	6.698
20-5-P	40.21	40.21	-1785.62	6.14	6.234
20-6-P	40.21	40.21	-1786.03	6.91	5.863
20-7-P	40.21	40.21	-1785.36	5.66	5.490
20-8-P	40.21	40.21	-1783.59	2.35	5.159
20-9-P	40.21	40.21	-1781.73	-1.10	4.869
20-10-P	40.21	40.21	-1780.03	-4.17	4.609
20-11-P	40.21	40.21	-1778.51	-6.94	4.373
20-12-P	40.21	40.21	-1777.20	-9.30	4.120
20-13-P	40.21	40.21	-1776.17	-11.18	3.828
20-14-P	40.21	40.21	-1774.51	-14.19	4.082
20-15-P	40.21	40.21	-1771.23	-20.12	4.941
20-16-P	40.21	40.21	-1766.14	-29.35	6.253
20-17-P	40.21	40.21	-1725.48	-102.97	6.680
20-18-P	40.21	40.21	-1721.89	-109.48	6.361
20-19-P	40.21	40.21	-1720.81	-111.43	5.996
20-20-P	40.21	40.21	-1729.38	-95.91	5.425
20-21-P	40.21	40.21	-1736.93	-82.23	4.938
20-22-P	40.21	48.25	1957.30	-121.53	5.290
20-23-P	40.21	64.34	2417.73	-152.23	5.497
20-24-P	40.21	72.38	2867.63	-181.12	5.591
20-25-P	40.21	80.42	2892.94	-155.39	4.865
20-26-P	40.21	72.38	2912.16	-134.95	4.287

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
20-27-P	40.21	56.30	2922.49	-118.66	3.825
20-28-P	40.21	48.25	2931.34	-105.54	3.454
20-29-P	40.21	40.21	2937.17	-94.63	3.147
20-30-P	40.21	40.21	2982.64	-46.04	2.895
20-31-P	40.21	40.21	2985.41	-43.07	2.629
20-32-P	40.21	40.21	2988.40	-39.88	2.314
20-33-P	40.21	40.21	2991.20	-36.89	2.040
20-34-P	40.21	40.21	2993.41	-34.53	1.825
20-35-P	40.21	40.21	2995.19	-32.63	1.652
20-36-P	40.21	40.21	2996.66	-31.06	1.508
20-37-P	40.21	40.21	2997.91	-29.72	1.386
20-38-P	40.21	40.21	2999.32	-28.21	1.250
20-39-P	40.21	40.21	3000.58	-26.87	1.131
20-40-P	40.21	40.21	3001.63	-25.75	1.036
20-41-P	64.34	40.21	4768.32	-39.46	1.521
20-42-P	64.34	40.21	4769.81	-37.85	1.399
20-43-P	64.34	40.21	4771.52	-35.99	1.275
20-44-P	64.34	40.21	4773.08	-34.30	1.165
20-45-P	64.34	40.21	4774.37	-32.90	1.077
20-46-P	64.34	40.21	4775.72	-31.43	1.007
20-47-P	88.47	40.21	6521.77	-41.17	1.293
20-48-P	88.47	40.21	6523.07	-39.69	1.223
20-49-P	88.47	40.21	6524.36	-38.21	1.164
20-50-P	88.47	40.21	6525.74	-36.63	1.120
20-51-P	88.47	40.21	6526.76	-35.47	1.089
20-52-P	88.47	40.21	6527.40	-34.74	1.070
20-53-P	88.47	40.21	6527.58	-34.53	1.074
20-54-P	88.47	40.21	6527.45	-34.68	1.094
20-55-P	88.47	40.21	6527.16	-35.01	1.126
20-56-P	88.47	40.21	6526.75	-35.48	1.172
20-57-P	88.47	40.21	6526.34	-35.95	1.230
20-58-P	88.47	40.21	6525.94	-36.40	1.300
20-59-P	64.34	40.21	4779.83	-26.98	1.015
20-60-P	64.34	40.21	4779.64	-27.18	1.092
20-61-P	64.34	40.21	4779.46	-27.38	1.178
20-62-P	64.34	40.21	4779.23	-27.63	1.280
20-63-P	64.34	40.21	4778.91	-27.98	1.401
20-64-P	64.34	40.21	4818.86	15.93	1.495
20-65-P	64.34	40.21	4819.75	16.94	1.504
20-66-P	64.34	40.21	4820.68	17.98	1.510
20-67-P	64.34	40.21	4821.62	19.04	1.516
20-68-P	64.34	40.21	4822.57	20.11	1.522
20-69-P	64.34	40.21	4823.55	21.21	1.539
20-70-P	64.34	40.21	4824.63	22.43	1.579
20-71-P	40.21	40.21	3039.21	14.94	1.021
20-72-P	40.21	40.21	3039.96	15.78	1.048
20-73-P	40.21	40.21	3040.76	16.66	1.077
20-74-P	40.21	40.21	3041.63	17.62	1.112
20-75-P	40.21	40.21	3042.78	18.90	1.166
20-76-P	40.21	40.21	3044.53	20.84	1.232
20-77-P	40.21	48.25	3051.87	23.53	1.302
20-78-P	40.21	56.30	3058.76	26.70	1.378
20-79-P	40.21	72.38	3067.99	30.29	1.465
20-80-P	40.21	80.42	3073.94	34.32	1.563
20-81-P	40.21	72.38	3076.02	39.01	1.690
20-82-P	40.21	64.34	2562.54	31.46	1.545
20-83-P	40.21	48.25	2049.02	23.79	1.368
20-84-P	40.21	40.21	1794.11	21.86	1.336
20-85-P	40.21	40.21	1796.51	26.32	1.510
20-86-P	40.21	40.21	1799.48	31.84	1.732
20-87-P	40.21	40.21	1800.01	32.81	1.928
20-88-P	40.21	40.21	1799.91	32.64	2.144
20-89-P	40.21	40.21	1799.48	31.84	2.378
20-90-P	40.21	40.21	1798.35	29.74	2.618
20-91-P	40.21	40.21	1797.18	27.56	2.876
20-92-P	40.21	40.21	1795.87	25.13	3.100
20-93-P	40.21	40.21	1793.70	21.09	3.272
20-94-P	40.21	40.21	1792.27	18.43	3.489
20-95-P	40.21	40.21	1790.95	16.00	3.751
20-96-P	40.21	40.21	1789.42	13.15	4.051
20-97-P	40.21	40.21	1787.61	9.79	4.397
20-98-P	40.21	40.21	1785.38	5.65	4.765
20-99-P	40.21	40.21	1783.07	1.36	5.051
20-100-P	40.21	40.21	1782.23	-0.19	5.316
20-101-P	40.21	40.21	1781.03	-2.36	5.587
20-102-P	40.21	40.21	1779.69	-4.77	5.889
20-103-P	40.21	40.21	1778.20	-7.45	6.228
20-104-P	24.13	24.13	1066.87	-4.75	6.772
21-1-P	32.17	32.17	-1423.11	-1.52	12.593
21-2-P	32.17	32.17	-1425.70	-2.51	6.665
21-3-P	40.21	40.21	-1780.27	-3.75	7.552
21-4-P	40.21	40.21	-1779.88	-4.46	7.218
21-5-P	40.21	40.21	-1779.52	-5.10	6.907
21-6-P	40.21	40.21	-1779.20	-5.69	6.619
21-7-P	40.21	40.21	-1778.54	-6.88	6.291
21-8-P	40.21	40.21	-1777.47	-8.81	5.766
21-9-P	40.21	40.21	-1776.65	-10.30	4.876
21-10-P	40.21	40.21	-1776.31	-10.92	4.102
21-11-P	40.21	40.21	-1776.07	-11.36	3.539
21-12-P	40.21	40.21	-1775.87	-11.72	3.117
21-13-P	40.21	40.21	-1775.41	-12.55	2.902
21-14-P	40.21	40.21	-1773.53	-15.96	3.230
21-15-P	40.21	40.21	-1770.29	-21.82	3.866

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
21-16-P	40.21	40.21	-1764.98	-31.43	4.959
21-17-P	40.21	40.21	-1727.66	-99.03	6.922
21-18-P	40.21	40.21	-1723.42	-106.71	6.832
21-19-P	40.21	40.21	-1728.47	-97.56	6.307
21-20-P	40.21	40.21	1728.65	-96.71	5.212
21-21-P	40.21	40.21	1739.41	-77.33	4.366
21-22-P	40.21	40.21	1746.74	-64.14	3.717
21-23-P	40.21	40.21	1986.04	-71.15	3.642
21-24-P	40.21	56.30	2231.14	-77.42	3.584
21-25-P	40.21	64.34	2472.84	-82.66	3.523
21-26-P	40.21	72.38	2714.46	-87.04	3.466
21-27-P	40.21	80.42	2955.48	-90.56	3.412
21-28-P	40.21	72.38	2983.79	-59.40	3.036
21-29-P	40.21	56.30	2982.73	-54.78	2.691
21-30-P	40.21	48.25	2982.53	-51.06	2.406
21-31-P	40.21	40.21	2980.80	-48.01	2.174
21-32-P	40.21	40.21	2983.58	-45.04	1.963
21-33-P	40.21	40.21	2986.44	-41.98	1.767
21-34-P	40.21	40.21	2989.07	-39.17	1.593
21-35-P	40.21	40.21	2991.32	-36.76	1.449
21-36-P	40.21	40.21	2993.24	-34.71	1.328
21-37-P	40.21	40.21	2994.96	-32.87	1.222
21-38-P	40.21	40.21	2996.61	-31.10	1.121
21-39-P	40.21	40.21	2998.06	-29.56	1.032
21-40-P	56.30	40.21	4178.10	-39.39	1.334
21-41-P	56.30	40.21	4179.44	-37.94	1.252
21-42-P	56.30	40.21	4180.64	-36.65	1.181
21-43-P	56.30	40.21	4181.83	-35.36	1.118
21-44-P	56.30	40.21	4183.05	-34.04	1.056
21-45-P	72.38	40.21	5353.45	-41.97	1.277
21-46-P	72.38	40.21	5354.76	-40.54	1.211
21-47-P	72.38	40.21	5355.82	-39.38	1.158
21-48-P	72.38	40.21	5356.27	-38.90	1.136
21-49-P	72.38	40.21	5356.51	-38.63	1.126
21-50-P	72.38	40.21	5356.78	-38.34	1.117
21-51-P	72.38	40.21	5357.07	-38.02	1.109
21-52-P	72.38	40.21	5357.40	-37.67	1.102
21-53-P	72.38	40.21	5357.46	-37.60	1.110
21-54-P	72.38	40.21	5357.07	-38.02	1.144
21-55-P	72.38	40.21	5356.63	-38.50	1.182
21-56-P	72.38	40.21	5356.16	-39.02	1.224
21-57-P	72.38	40.21	5355.62	-39.60	1.271
21-58-P	56.30	40.21	4185.42	-31.49	1.045
21-59-P	56.30	40.21	4184.87	-32.08	1.110
21-60-P	56.30	40.21	4184.31	-32.69	1.178
21-61-P	56.30	40.21	4183.69	-33.35	1.255
21-62-P	56.30	40.21	4182.98	-34.11	1.344
21-63-P	40.21	40.21	3002.19	-25.14	1.040
21-64-P	40.21	40.21	3033.50	8.62	1.125
21-65-P	40.21	40.21	3034.06	9.24	1.132
21-66-P	40.21	40.21	3034.54	9.77	1.139
21-67-P	40.21	40.21	3034.93	10.20	1.148
21-68-P	40.21	40.21	3035.34	10.66	1.156
21-69-P	40.21	40.21	3035.84	11.21	1.169
21-70-P	40.21	40.21	3036.63	12.08	1.200
21-71-P	40.21	40.21	3037.81	13.39	1.238
21-72-P	40.21	48.25	3044.28	15.16	1.282
21-73-P	40.21	56.30	3050.22	17.35	1.330
21-74-P	40.21	72.38	3058.33	19.80	1.385
21-75-P	40.21	80.42	3063.30	22.81	1.464
21-76-P	40.21	72.38	2809.07	22.19	1.427
21-77-P	40.21	64.34	2554.46	20.96	1.379
21-78-P	40.21	56.30	2299.63	19.16	1.319
21-79-P	40.21	40.21	2041.24	16.81	1.244
21-80-P	40.21	40.21	1789.93	14.10	1.158
21-81-P	40.21	40.21	1791.03	16.15	1.255
21-82-P	40.21	40.21	1792.93	19.67	1.404
21-83-P	40.21	40.21	1795.26	23.99	1.584
21-84-P	40.21	40.21	1797.04	27.30	1.781
21-85-P	40.21	40.21	1797.32	27.83	1.983
21-86-P	40.21	40.21	1796.58	26.45	2.207
21-87-P	40.21	40.21	1795.35	24.16	2.466
21-88-P	40.21	40.21	1793.51	20.75	2.752
21-89-P	40.21	40.21	-1777.60	-8.58	2.926
21-90-P	40.21	40.21	1787.81	10.16	3.107
21-91-P	40.21	40.21	1784.69	4.36	3.147
21-92-P	40.21	40.21	1781.46	-1.59	3.195
21-93-P	40.21	40.21	1778.08	-7.67	3.254
21-94-P	40.21	40.21	1774.92	-13.36	3.365
21-95-P	40.21	40.21	1773.06	-16.72	3.549
21-96-P	40.21	40.21	1772.63	-17.49	3.747
21-97-P	40.21	40.21	1772.92	-16.97	3.949
21-98-P	40.21	40.21	1773.24	-16.39	4.173
21-99-P	40.21	40.21	1773.60	-15.74	4.423
21-100-P	32.17	32.17	1420.23	-12.33	3.951
21-101-P	16.08	16.08	710.66	-5.85	3.911
22-1-P	32.17	32.17	-1414.04	-17.18	17.374
22-2-P	32.17	32.17	-1413.85	-22.10	8.770
22-3-P	40.21	40.21	-1766.52	-28.65	8.634
22-4-P	40.21	40.21	-1767.68	-26.56	8.031
22-5-P	40.21	40.21	-1768.90	-24.33	7.477
22-6-P	40.21	40.21	-1769.98	-22.39	6.994
22-7-P	40.21	40.21	-1770.97	-20.59	6.252

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
22-8-P	40.21	40.21	-1771.75	-19.18	5.221
22-9-P	40.21	40.21	-1772.13	-18.50	4.557
22-10-P	40.21	40.21	-1772.32	-18.15	4.191
22-11-P	40.21	40.21	-1772.39	-18.03	4.009
22-12-P	40.21	40.21	-1772.04	-18.66	3.925
22-13-P	40.21	40.21	-1769.20	-23.80	4.281
22-14-P	40.21	40.21	-1765.39	-30.70	4.761
22-15-P	40.21	40.21	-1760.20	-40.10	5.490
22-16-P	40.21	40.21	1751.44	-55.67	5.274
22-17-P	40.21	40.21	1749.67	-58.86	4.758
22-18-P	40.21	40.21	1749.64	-58.90	4.409
22-19-P	40.21	40.21	1750.72	-56.96	4.062
22-20-P	40.21	40.21	1753.49	-51.97	3.609
22-21-P	40.21	40.21	1756.35	-46.83	3.197
22-22-P	40.21	40.21	1759.17	-41.74	2.841
22-23-P	40.21	40.21	1761.51	-37.53	2.545
22-24-P	40.21	40.21	1766.10	-29.26	2.285
22-25-P	40.21	48.25	2012.54	-34.44	2.298
22-26-P	40.21	48.25	2255.86	-38.75	2.238
22-27-P	40.21	56.30	2501.45	-43.37	2.197
22-28-P	40.21	64.34	2506.51	-40.16	1.976
22-29-P	40.21	72.38	2750.98	-45.11	1.967
22-30-P	40.21	72.38	2992.44	-50.28	1.960
22-31-P	40.21	64.34	2992.76	-47.34	1.791
22-32-P	40.21	56.30	2992.70	-44.20	1.612
22-33-P	40.21	48.25	2991.33	-41.70	1.468
22-34-P	40.21	40.21	2988.56	-39.71	1.352
22-35-P	40.21	40.21	2990.00	-38.17	1.258
22-36-P	40.21	40.21	2991.18	-36.91	1.179
22-37-P	40.21	40.21	2992.51	-35.49	1.108
22-38-P	40.21	40.21	2993.77	-34.14	1.048
22-39-P	56.30	40.21	4172.08	-45.89	1.384
22-40-P	56.30	40.21	4173.48	-44.37	1.315
22-41-P	56.30	40.21	4174.75	-43.00	1.253
22-42-P	56.30	40.21	4175.95	-41.71	1.197
22-43-P	56.30	40.21	4177.19	-40.37	1.143
22-44-P	56.30	40.21	4177.82	-39.69	1.112
22-45-P	56.30	40.21	4178.04	-39.45	1.098
22-46-P	56.30	40.21	4178.28	-39.19	1.085
22-47-P	56.30	40.21	4178.60	-38.84	1.070
22-48-P	56.30	40.21	4178.93	-38.49	1.055
22-49-P	56.30	40.21	4179.25	-38.14	1.040
22-50-P	56.30	40.21	4179.21	-38.19	1.050
22-51-P	56.30	40.21	4179.00	-38.41	1.070
22-52-P	56.30	40.21	4178.75	-38.69	1.092
22-53-P	56.30	40.21	4178.43	-39.03	1.118
22-54-P	56.30	40.21	4178.13	-39.35	1.146
22-55-P	56.30	40.21	4177.49	-40.05	1.191
22-56-P	56.30	40.21	4176.64	-40.96	1.253
22-57-P	56.30	40.21	4175.73	-41.95	1.321
22-58-P	40.21	40.21	2996.86	-30.84	1.000
22-59-P	40.21	40.21	2996.11	-31.64	1.058
22-60-P	40.21	40.21	2995.33	-32.47	1.120
22-61-P	40.21	40.21	2994.72	-33.13	1.185
22-62-P	40.21	40.21	2994.13	-33.76	1.259
22-63-P	40.21	40.21	2993.27	-34.68	1.348
22-64-P	40.21	48.25	3040.54	11.05	1.374
22-65-P	40.21	56.30	3045.33	12.00	1.386
22-66-P	40.21	64.34	3049.35	12.89	1.398
22-67-P	40.21	72.38	3053.29	14.31	1.431
22-68-P	40.21	72.38	2801.88	13.70	1.362
22-69-P	40.21	64.34	2548.26	12.91	1.287
22-70-P	40.21	56.30	2546.96	14.69	1.336
22-71-P	40.21	48.25	2292.77	13.61	1.250
22-72-P	40.21	48.25	2042.05	12.48	1.158
22-73-P	40.21	40.21	1788.03	10.57	1.067
22-74-P	40.21	40.21	1788.39	11.23	1.126
22-75-P	40.21	40.21	1788.83	12.05	1.193
22-76-P	40.21	40.21	1789.32	12.96	1.266
22-77-P	40.21	40.21	1789.71	13.68	1.344
22-78-P	40.21	40.21	1790.02	14.26	1.427
22-79-P	40.21	40.21	1790.14	14.48	1.512
22-80-P	40.21	40.21	1790.13	14.46	1.632
22-81-P	40.21	40.21	1789.32	12.97	1.772
22-82-P	40.21	40.21	1788.40	11.25	1.925
22-83-P	40.21	40.21	1787.16	8.96	2.108
22-84-P	40.21	40.21	1785.76	6.35	2.309
22-85-P	40.21	40.21	1784.08	3.23	2.526
22-86-P	40.21	40.21	1782.36	0.04	2.682
22-87-P	40.21	40.21	1780.41	-3.48	2.838
22-88-P	40.21	40.21	1777.99	-7.84	2.972
22-89-P	40.21	40.21	1775.13	-12.99	3.077
22-90-P	40.21	40.21	1772.59	-17.57	3.147
22-91-P	40.21	40.21	1771.58	-19.38	3.245
22-92-P	40.21	40.21	1771.33	-19.84	3.364
22-93-P	40.21	40.21	1771.05	-20.34	3.492
22-94-P	40.21	40.21	1770.86	-20.68	3.644
22-95-P	32.17	32.17	1416.81	-16.63	3.744
22-96-P	16.08	16.08	708.56	-8.11	3.967
23-1-P	24.13	24.13	-1052.22	-28.04	18.431
23-2-P	24.13	24.13	-1054.28	-28.43	8.988
23-3-P	40.21	40.21	-1756.03	-47.46	9.902
23-4-P	40.21	40.21	-1758.05	-44.00	9.177

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
23-5-P	40.21	40.21	-1759.48	-41.39	8.835
23-6-P	40.21	40.21	-1760.69	-39.22	8.567
23-7-P	40.21	40.21	-1761.59	-37.59	8.248
23-8-P	40.21	40.21	1798.26	29.57	7.422
23-9-P	40.21	40.21	1795.16	23.80	6.493
23-10-P	40.21	40.21	1794.47	22.54	5.750
23-11-P	40.21	40.21	1792.64	19.12	5.191
23-12-P	40.21	40.21	1765.57	-30.21	4.713
23-13-P	40.21	40.21	1764.98	-31.28	4.251
23-14-P	40.21	40.21	1764.25	-32.59	3.916
23-15-P	40.21	40.21	1762.71	-35.36	3.801
23-16-P	40.21	40.21	1760.83	-38.76	3.768
23-17-P	40.21	40.21	1759.25	-41.60	3.706
23-18-P	40.21	40.21	1759.53	-41.09	3.448
23-19-P	40.21	40.21	1761.20	-38.08	3.071
23-20-P	40.21	40.21	1762.68	-35.42	2.751
23-21-P	40.21	40.21	1764.00	-33.04	2.474
23-22-P	40.21	40.21	1765.38	-30.55	2.206
23-23-P	40.21	40.21	1766.87	-27.86	1.947
23-24-P	40.21	40.21	1768.18	-25.51	1.731
23-25-P	40.21	40.21	1769.38	-23.36	1.539
23-26-P	40.21	40.21	1770.37	-21.56	1.381
23-27-P	40.21	40.21	1771.15	-20.16	1.255
23-28-P	40.21	40.21	2015.28	-24.84	1.327
23-29-P	40.21	48.25	2019.04	-24.17	1.247
23-30-P	40.21	48.25	2262.82	-28.95	1.295
23-31-P	40.21	56.30	2266.54	-27.79	1.203
23-32-P	40.21	56.30	2509.85	-32.74	1.242
23-33-P	40.21	56.30	2510.71	-31.64	1.163
23-34-P	40.21	56.30	2753.10	-36.87	1.199
23-35-P	40.21	56.30	2754.17	-35.64	1.129
23-36-P	40.21	56.30	2996.21	-40.48	1.160
23-37-P	40.21	48.25	2993.88	-38.98	1.105
23-38-P	40.21	56.30	2998.73	-37.81	1.063
23-39-P	40.21	48.25	2995.99	-36.73	1.027
23-40-P	48.25	48.25	3588.32	-42.85	1.193
23-41-P	48.25	48.25	3589.31	-41.79	1.158
23-42-P	48.25	40.21	3583.27	-41.18	1.132
23-43-P	48.25	40.21	3583.22	-41.23	1.119
23-44-P	48.25	40.21	3583.18	-41.27	1.108
23-45-P	48.25	40.21	3583.17	-41.28	1.099
23-46-P	48.25	40.21	3583.24	-41.20	1.094
23-47-P	48.25	40.21	3583.29	-41.16	1.096
23-48-P	48.25	40.21	3583.32	-41.13	1.105
23-49-P	48.25	40.21	3583.39	-41.05	1.119
23-50-P	48.25	40.21	3583.47	-40.97	1.135
23-51-P	48.25	48.25	3589.81	-41.26	1.159
23-52-P	48.25	48.25	3589.06	-42.06	1.192
23-53-P	40.21	48.25	2996.77	-35.91	1.027
23-54-P	40.21	56.30	2999.68	-36.80	1.065
23-55-P	40.21	48.25	2995.08	-37.71	1.109
23-56-P	40.21	56.30	2997.77	-38.83	1.165
23-57-P	40.21	56.30	2755.78	-33.77	1.132
23-58-P	40.21	56.30	2755.06	-34.61	1.201
23-59-P	40.21	56.30	2512.42	-29.48	1.165
23-60-P	40.21	56.30	2511.78	-30.29	1.243
23-61-P	40.21	56.30	2268.17	-25.51	1.204
23-62-P	40.21	48.25	2288.90	7.99	1.264
23-63-P	40.21	48.25	2038.55	6.78	1.132
23-64-P	40.21	40.21	2035.53	7.48	1.142
23-65-P	40.21	40.21	1785.96	6.72	1.030
23-66-P	40.21	40.21	1786.75	8.18	1.074
23-67-P	40.21	40.21	1787.62	9.81	1.123
23-68-P	40.21	40.21	1788.56	11.55	1.177
23-69-P	40.21	40.21	1789.58	13.45	1.235
23-70-P	40.21	40.21	1790.19	14.57	1.308
23-71-P	40.21	40.21	1789.97	14.16	1.403
23-72-P	40.21	40.21	1789.36	13.04	1.495
23-73-P	40.21	40.21	1788.45	11.34	1.588
23-74-P	40.21	40.21	1787.23	9.08	1.682
23-75-P	40.21	40.21	1785.54	5.94	1.739
23-76-P	40.21	40.21	1783.41	1.99	1.748
23-77-P	40.21	40.21	1781.18	-2.08	1.749
23-78-P	40.21	40.21	1779.26	-5.55	1.777
23-79-P	40.21	40.21	1778.10	-7.64	1.865
23-80-P	40.21	40.21	1777.33	-9.02	1.961
23-81-P	40.21	40.21	1776.77	-10.03	2.047
23-82-P	40.21	40.21	1776.50	-10.51	2.140
23-83-P	40.21	40.21	1776.57	-10.39	2.274
23-84-P	40.21	40.21	1775.90	-11.59	2.428
23-85-P	40.21	40.21	1774.48	-14.17	2.589
23-86-P	40.21	40.21	1773.42	-16.06	2.736
23-87-P	40.21	40.21	1773.05	-16.73	2.863
23-88-P	40.21	40.21	1772.77	-17.24	2.993
23-89-P	40.21	40.21	1772.40	-17.71	3.164
23-90-P	24.13	24.13	1063.83	-11.07	2.923
23-91-P	8.04	8.04	355.37	-3.86	2.055
24-1-P	16.08	16.08	722.57	19.47	12.293
24-2-P	16.08	16.08	724.14	18.64	5.582
24-3-P	32.17	32.17	1445.25	35.64	6.769
24-4-P	40.21	40.21	1805.56	43.12	6.423
24-5-P	40.21	40.21	1805.29	42.63	5.956
24-6-P	40.21	40.21	1759.45	-41.23	5.491

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
24-7-P	40.21	40.21	1761.01	-38.42	4.955
24-8-P	40.21	40.21	1761.74	-37.10	4.512
24-9-P	40.21	40.21	1761.99	-36.67	4.186
24-10-P	40.21	40.21	1762.28	-36.15	3.932
24-11-P	40.21	40.21	1762.22	-36.25	3.749
24-12-P	40.21	40.21	1760.94	-38.54	3.689
24-13-P	40.21	40.21	1759.55	-41.06	3.646
24-14-P	40.21	40.21	1758.48	-42.98	3.573
24-15-P	40.21	40.21	1757.83	-44.14	3.468
24-16-P	40.21	40.21	1758.11	-43.65	3.279
24-17-P	40.21	40.21	1760.74	-38.91	2.816
24-18-P	40.21	40.21	1763.01	-34.83	2.431
24-19-P	40.21	40.21	1764.93	-31.36	2.114
24-20-P	40.21	40.21	1766.51	-28.51	1.858
24-21-P	40.21	40.21	1767.74	-26.30	1.660
24-22-P	40.21	40.21	1768.41	-25.10	1.536
24-23-P	40.21	40.21	1768.83	-24.35	1.442
24-24-P	40.21	40.21	1769.03	-23.99	1.370
24-25-P	40.21	40.21	1769.20	-23.67	1.305
24-26-P	40.21	40.21	1769.38	-23.34	1.244
24-27-P	40.21	40.21	1769.60	-22.95	1.183
24-28-P	40.21	40.21	1770.11	-22.03	1.106
24-29-P	40.21	40.21	1770.80	-20.79	1.024
24-30-P	56.30	40.21	2466.13	-27.41	1.329
24-31-P	56.30	40.21	2466.89	-26.02	1.246
24-32-P	56.30	40.21	2467.60	-24.73	1.175
24-33-P	56.30	40.21	2468.17	-23.68	1.117
24-34-P	56.30	40.21	2468.55	-23.00	1.079
24-35-P	56.30	40.21	2468.89	-22.37	1.045
24-36-P	56.30	40.21	2469.18	-21.84	1.013
24-37-P	56.30	40.21	2810.45	-27.57	1.121
24-38-P	56.30	40.21	2810.78	-27.04	1.091
24-39-P	56.30	48.25	2817.89	-26.66	1.067
24-40-P	56.30	48.25	2817.80	-26.81	1.062
24-41-P	56.30	48.25	2817.72	-26.94	1.063
24-42-P	56.30	48.25	2817.72	-26.94	1.063
24-43-P	56.30	40.21	2810.91	-26.82	1.060
24-44-P	56.30	48.25	2817.78	-26.84	1.062
24-45-P	56.30	48.25	2817.83	-26.76	1.061
24-46-P	56.30	48.25	2817.93	-26.60	1.060
24-47-P	56.30	48.25	2818.04	-26.42	1.064
24-48-P	56.30	40.21	2811.03	-26.63	1.089
24-49-P	56.30	40.21	2810.81	-26.99	1.119
24-50-P	56.30	40.21	2469.50	-21.26	1.012
24-51-P	56.30	40.21	2469.28	-21.67	1.044
24-52-P	56.30	40.21	2468.99	-22.19	1.079
24-53-P	56.30	40.21	2468.68	-22.76	1.118
24-54-P	56.30	40.21	2468.11	-23.79	1.175
24-55-P	56.30	40.21	2467.40	-25.10	1.246
24-56-P	56.30	40.21	2466.64	-26.47	1.329
24-57-P	40.21	40.21	1771.20	-20.06	1.023
24-58-P	40.21	40.21	1770.55	-21.23	1.105
24-59-P	40.21	40.21	1770.11	-22.04	1.183
24-60-P	40.21	40.21	1783.75	2.62	1.218
24-61-P	40.21	40.21	1784.11	3.29	1.228
24-62-P	40.21	40.21	1784.47	3.96	1.238
24-63-P	40.21	40.21	1784.86	4.68	1.250
24-64-P	40.21	40.21	1785.47	5.81	1.282
24-65-P	40.21	40.21	1786.27	7.29	1.342
24-66-P	40.21	40.21	1785.99	6.77	1.441
24-67-P	40.21	40.21	1785.07	5.07	1.561
24-68-P	40.21	40.21	1783.98	3.05	1.701
24-69-P	40.21	40.21	1782.79	0.83	1.854
24-70-P	40.21	40.21	1781.33	-1.83	2.019
24-71-P	40.21	40.21	1779.50	-5.12	2.036
24-72-P	40.21	40.21	1777.57	-8.60	2.023
24-73-P	40.21	40.21	1775.60	-12.15	2.005
24-74-P	40.21	40.21	1773.68	-15.60	1.981
24-75-P	40.21	40.21	1771.94	-18.73	1.961
24-76-P	40.21	40.21	1771.63	-19.30	1.985
24-77-P	40.21	40.21	1771.75	-19.08	2.025
24-78-P	40.21	40.21	1771.87	-18.86	2.070
24-79-P	40.21	40.21	1772.09	-18.46	2.139
24-80-P	40.21	40.21	1772.45	-17.81	2.242
24-81-P	40.21	40.21	1772.78	-17.22	2.344
24-82-P	40.21	40.21	1773.06	-16.72	2.446
24-83-P	32.17	32.17	1418.65	-13.36	2.484
24-84-P	16.08	16.08	710.36	-6.76	1.961
24-85-P	8.04	8.04	355.16	-3.42	2.066
25-1-P	16.08	16.08	701.15	-19.20	9.523
25-2-P	16.08	16.08	702.66	-19.21	4.404
25-3-P	24.13	24.13	1054.06	-28.68	4.078
25-4-P	32.17	32.17	1405.35	-38.16	3.872
25-5-P	40.21	40.21	1756.21	-47.07	4.072
25-6-P	40.21	40.21	1756.74	-46.11	3.905
25-7-P	40.21	40.21	1757.37	-44.98	3.748
25-8-P	40.21	40.21	1758.13	-43.62	3.580
25-9-P	40.21	40.21	1759.17	-41.74	3.283
25-10-P	40.21	40.21	1760.08	-40.10	3.033
25-11-P	40.21	40.21	1760.81	-38.79	2.828
25-12-P	40.21	40.21	1761.40	-37.72	2.655
25-13-P	40.21	40.21	1762.35	-36.00	2.442
25-14-P	40.21	40.21	1763.78	-33.43	2.181

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
25-15-P	40.21	40.21	1764.82	-31.56	1.980
25-16-P	40.21	40.21	1765.53	-30.29	1.825
25-17-P	40.21	40.21	1765.97	-29.49	1.705
25-18-P	40.21	40.21	1766.23	-29.03	1.616
25-19-P	40.21	40.21	1766.32	-28.86	1.557
25-20-P	40.21	40.21	1766.44	-28.64	1.498
25-21-P	40.21	40.21	1766.61	-28.34	1.437
25-22-P	40.21	40.21	1766.65	-28.27	1.392
25-23-P	40.21	40.21	1766.36	-28.79	1.381
25-24-P	40.21	40.21	1765.79	-29.81	1.396
25-25-P	40.21	40.21	1765.71	-29.95	1.379
25-26-P	40.21	40.21	1766.99	-27.65	1.270
25-27-P	40.21	40.21	1768.20	-25.47	1.166
25-28-P	40.21	40.21	1769.29	-23.50	1.072
25-29-P	56.30	40.21	2464.55	-30.29	1.373
25-30-P	56.30	40.21	2465.68	-28.22	1.269
25-31-P	56.30	40.21	2466.05	-27.55	1.236
25-32-P	56.30	40.21	2466.28	-27.14	1.212
25-33-P	56.30	40.21	2466.50	-26.74	1.188
25-34-P	56.30	40.21	2466.70	-26.36	1.163
25-35-P	56.30	40.21	2466.86	-26.07	1.140
25-36-P	56.30	40.21	2466.62	-26.52	1.148
25-37-P	56.30	40.21	2466.30	-27.10	1.157
25-38-P	56.30	40.21	2465.95	-27.73	1.168
25-39-P	56.30	40.21	2465.58	-28.40	1.181
25-40-P	56.30	40.21	2465.57	-28.43	1.181
25-41-P	56.30	40.21	2465.89	-27.85	1.168
25-42-P	56.30	40.21	2466.19	-27.30	1.158
25-43-P	56.30	40.21	2466.46	-26.80	1.148
25-44-P	56.30	40.21	2466.69	-26.39	1.140
25-45-P	56.30	40.21	2466.65	-26.46	1.164
25-46-P	56.30	40.21	2466.57	-26.60	1.189
25-47-P	56.30	40.21	2466.49	-26.76	1.213
25-48-P	56.30	40.21	2466.40	-26.91	1.237
25-49-P	56.30	40.21	2466.16	-27.36	1.271
25-50-P	56.30	40.21	2464.97	-29.52	1.375
25-51-P	40.21	40.21	1769.55	-23.03	1.073
25-52-P	40.21	40.21	1768.41	-25.10	1.167
25-53-P	40.21	40.21	1767.14	-27.39	1.270
25-54-P	40.21	40.21	1765.79	-29.81	1.378
25-55-P	40.21	40.21	1765.71	-29.96	1.395
25-56-P	40.21	40.21	1766.10	-29.26	1.380
25-57-P	40.21	40.21	1766.28	-28.92	1.391
25-58-P	40.21	40.21	1776.40	-10.69	1.429
25-59-P	40.21	40.21	1777.29	-9.10	1.447
25-60-P	40.21	40.21	1778.66	-6.63	1.470
25-61-P	40.21	40.21	1780.45	-3.41	1.497
25-62-P	40.21	40.21	1780.86	-2.67	1.542
25-63-P	40.21	40.21	1780.46	-3.38	1.604
25-64-P	40.21	40.21	1779.88	-4.43	1.682
25-65-P	40.21	40.21	1779.08	-5.88	1.780
25-66-P	40.21	40.21	1778.08	-7.68	1.898
25-67-P	40.21	40.21	1776.83	-9.92	1.959
25-68-P	40.21	40.21	1775.56	-12.22	1.973
25-69-P	40.21	40.21	1774.32	-14.45	1.988
25-70-P	40.21	40.21	1773.14	-16.57	2.007
25-71-P	40.21	40.21	1772.03	-18.58	2.030
25-72-P	40.21	40.21	1771.83	-18.93	2.064
25-73-P	40.21	40.21	1771.86	-18.87	2.104
25-74-P	40.21	40.21	1771.94	-18.73	2.146
25-75-P	32.17	32.17	1418.27	-14.90	1.976
25-76-P	24.13	24.13	1063.86	-11.03	1.992
25-77-P	16.08	16.08	709.29	-7.27	2.049
25-78-P	8.04	8.04	354.67	-3.59	2.109
26-1-P	8.04	8.04	351.29	-9.10	3.992
26-2-P	8.04	8.04	352.87	-8.72	1.893
26-3-P	16.08	16.08	704.87	-16.64	2.385
26-4-P	24.13	24.13	1057.11	-23.77	2.538
26-5-P	32.17	32.17	1409.34	-30.67	2.565
26-6-P	40.21	40.21	1761.46	-37.62	2.558
26-7-P	40.21	40.21	1761.75	-37.09	2.397
26-8-P	40.21	40.21	1761.96	-36.71	2.257
26-9-P	40.21	40.21	1762.24	-36.21	2.130
26-10-P	40.21	40.21	1762.52	-35.70	2.015
26-11-P	40.21	40.21	1762.80	-35.21	1.910
26-12-P	40.21	40.21	1763.01	-34.82	1.821
26-13-P	40.21	40.21	1763.19	-34.50	1.744
26-14-P	40.21	40.21	1763.27	-34.35	1.695
26-15-P	40.21	40.21	1763.35	-34.20	1.650
26-16-P	40.21	40.21	1763.45	-34.04	1.607
26-17-P	40.21	40.21	1763.53	-33.88	1.566
26-18-P	40.21	40.21	1762.90	-35.02	1.584
26-19-P	40.21	40.21	1762.44	-35.85	1.591
26-20-P	40.21	40.21	1762.39	-35.94	1.570
26-21-P	40.21	40.21	1762.73	-35.34	1.523
26-22-P	40.21	40.21	1763.77	-33.45	1.418
26-23-P	40.21	40.21	1765.11	-31.04	1.294
26-24-P	40.21	40.21	1766.30	-28.89	1.185
26-25-P	40.21	40.21	1767.27	-27.15	1.096
26-26-P	40.21	40.21	1767.94	-25.94	1.029
26-27-P	40.21	40.21	1768.00	-25.83	1.015
26-28-P	40.21	40.21	1768.01	-25.81	1.007
26-29-P	48.25	40.21	2115.73	-30.88	1.196

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
26-30-P	48.25	40.21	2115.76	-30.83	1.186
26-31-P	40.21	40.21	1767.63	-26.51	1.019
26-32-P	40.21	40.21	1766.84	-27.92	1.074
26-33-P	40.21	40.21	1766.06	-29.33	1.130
26-34-P	40.21	40.21	1765.28	-30.73	1.184
26-35-P	40.21	40.21	1764.68	-31.82	1.220
26-36-P	40.21	40.21	1765.18	-30.91	1.184
26-37-P	40.21	40.21	1765.85	-29.71	1.130
26-38-P	40.21	40.21	1766.53	-28.49	1.074
26-39-P	40.21	40.21	1767.22	-27.24	1.019
26-40-P	48.25	40.21	2115.26	-31.73	1.186
26-41-P	48.25	40.21	2115.40	-31.47	1.196
26-42-P	40.21	40.21	1767.89	-26.03	1.007
26-43-P	40.21	40.21	1768.02	-25.79	1.015
26-44-P	40.21	40.21	1768.07	-25.71	1.030
26-45-P	40.21	40.21	1767.36	-26.99	1.096
26-46-P	40.21	40.21	1766.33	-28.85	1.185
26-47-P	40.21	40.21	1765.05	-31.15	1.294
26-48-P	40.21	40.21	1763.61	-33.74	1.418
26-49-P	40.21	40.21	1762.44	-35.84	1.523
26-50-P	40.21	40.21	1761.97	-36.69	1.569
26-51-P	40.21	40.21	1761.88	-36.86	1.589
26-52-P	40.21	40.21	1762.17	-36.34	1.582
26-53-P	40.21	40.21	1762.65	-35.47	1.564
26-54-P	40.21	40.21	1762.57	-35.61	1.604
26-55-P	40.21	40.21	1762.49	-35.75	1.648
26-56-P	40.21	40.21	1762.46	-35.81	1.692
26-57-P	40.21	40.21	1762.46	-35.82	1.741
26-58-P	40.21	40.21	1774.36	-14.38	1.783
26-59-P	40.21	40.21	1774.34	-14.41	1.822
26-60-P	40.21	40.21	1774.53	-14.07	1.864
26-61-P	40.21	40.21	1774.91	-13.39	1.905
26-62-P	40.21	40.21	1775.21	-12.85	1.946
26-63-P	40.21	40.21	1775.09	-13.06	1.982
26-64-P	40.21	40.21	1774.90	-13.41	2.018
26-65-P	32.17	32.17	1420.22	-11.07	1.903
26-66-P	24.13	24.13	1065.37	-8.90	1.750
26-67-P	16.08	16.08	710.55	-6.41	1.541
26-68-P	8.04	8.04	355.89	-3.31	1.176
26-69-P	8.04	8.04	354.45	-3.39	2.382
27-1-P	16.08	8.04	693.37	-15.02	6.091
27-2-P	8.04	8.04	353.02	-7.57	1.452
27-3-P	16.08	16.08	704.80	-14.99	1.918
27-4-P	16.08	16.08	705.64	-15.13	1.457
27-5-P	24.13	24.13	1057.11	-22.98	1.752
27-6-P	32.17	32.17	1408.48	-31.00	1.934
27-7-P	32.17	32.17	1409.19	-31.36	1.642
27-8-P	40.21	40.21	1760.49	-39.24	1.807
27-9-P	40.21	40.21	1760.83	-38.75	1.749
27-10-P	40.21	40.21	1761.25	-37.99	1.706
27-11-P	40.21	40.21	1761.80	-37.00	1.662
27-12-P	40.21	40.21	1762.42	-35.89	1.614
27-13-P	40.21	40.21	1762.88	-35.06	1.547
27-14-P	40.21	40.21	1763.29	-34.32	1.487
27-15-P	40.21	40.21	1763.61	-33.74	1.433
27-16-P	40.21	40.21	1763.77	-33.46	1.387
27-17-P	40.21	40.21	1764.09	-32.88	1.324
27-18-P	40.21	40.21	1764.22	-32.65	1.279
27-19-P	40.21	40.21	1764.26	-32.56	1.241
27-20-P	40.21	40.21	1764.33	-32.44	1.204
27-21-P	40.21	40.21	1764.39	-32.34	1.171
27-22-P	40.21	40.21	1764.30	-32.50	1.164
27-23-P	40.21	40.21	1764.30	-32.49	1.165
27-24-P	40.21	40.21	1764.38	-32.35	1.168
27-25-P	40.21	40.21	1764.47	-32.19	1.173
27-26-P	40.21	40.21	1764.27	-32.55	1.196
27-27-P	40.21	40.21	1763.80	-33.40	1.238
27-28-P	40.21	40.21	1763.56	-33.83	1.255
27-29-P	40.21	40.21	1763.51	-33.92	1.255
27-30-P	40.21	40.21	1763.46	-34.01	1.255
27-31-P	40.21	40.21	1763.59	-33.78	1.238
27-32-P	40.21	40.21	1763.94	-33.14	1.196
27-33-P	40.21	40.21	1764.08	-32.89	1.172
27-34-P	40.21	40.21	1763.98	-33.07	1.168
27-35-P	40.21	40.21	1763.91	-33.20	1.165
27-36-P	40.21	40.21	1763.96	-33.10	1.164
27-37-P	40.21	40.21	1764.14	-32.79	1.171
27-38-P	40.21	40.21	1764.08	-32.90	1.204
27-39-P	40.21	40.21	1763.99	-33.06	1.242
27-40-P	40.21	40.21	1763.93	-33.17	1.280
27-41-P	40.21	40.21	1763.77	-33.44	1.325
27-42-P	40.21	40.21	1763.40	-34.13	1.387
27-43-P	40.21	40.21	1763.16	-34.56	1.433
27-44-P	40.21	40.21	1762.73	-35.32	1.487
27-45-P	40.21	40.21	1762.20	-36.28	1.546
27-46-P	40.21	40.21	1761.62	-37.33	1.611
27-47-P	40.21	40.21	1760.96	-38.52	1.659
27-48-P	40.21	40.21	1760.39	-39.55	1.703
27-49-P	40.21	40.21	1759.96	-40.32	1.746
27-50-P	40.21	40.21	1759.61	-40.82	1.804
27-51-P	32.17	32.17	1408.49	-32.63	1.639
27-52-P	32.17	32.17	1407.74	-32.32	1.932
27-53-P	24.13	24.13	1056.53	-24.02	1.749

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
27-54-P	16.08	16.08	710.55	-6.30	1.428
27-55-P	16.08	16.08	709.64	-6.28	1.830
27-56-P	8.04	8.04	355.52	-3.07	1.332
27-57-P	16.08	8.04	698.05	-6.02	5.323
28-1-P	8.04	8.04	351.53	-7.82	3.998
28-2-P	8.04	8.04	352.09	-7.56	1.947
28-3-P	16.08	8.04	696.94	-14.47	2.499
28-4-P	16.08	8.04	699.06	-14.03	1.829
28-5-P	16.08	16.08	705.48	-13.82	1.467
28-6-P	16.08	16.08	705.97	-13.81	1.238
28-7-P	16.08	16.08	706.39	-13.92	1.065
28-8-P	24.13	24.13	1057.85	-20.99	1.391
28-9-P	24.13	24.13	1058.26	-21.13	1.226
28-10-P	24.13	24.13	1058.68	-21.22	1.096
28-11-P	32.17	32.17	1409.91	-28.34	1.362
28-12-P	32.17	32.17	1410.12	-28.47	1.285
28-13-P	32.17	32.17	1410.32	-28.63	1.222
28-14-P	32.17	32.17	1410.53	-28.78	1.165
28-15-P	32.17	32.17	1410.78	-28.85	1.118
28-16-P	32.17	32.17	1411.01	-28.75	1.096
28-17-P	32.17	32.17	1411.27	-28.45	1.086
28-18-P	32.17	32.17	1411.63	-27.98	1.073
28-19-P	40.21	40.21	1763.13	-34.26	1.324
28-20-P	40.21	40.21	1763.48	-33.81	1.308
28-21-P	40.21	40.21	1763.62	-33.73	1.292
28-22-P	40.21	40.21	1763.39	-33.96	1.307
28-23-P	40.21	40.21	1762.99	-34.52	1.323
28-24-P	32.17	32.17	1411.48	-28.24	1.073
28-25-P	32.17	32.17	1411.10	-28.76	1.085
28-26-P	32.17	32.17	1410.82	-29.10	1.096
28-27-P	32.17	32.17	1410.57	-29.23	1.118
28-28-P	32.17	32.17	1410.29	-29.21	1.165
28-29-P	32.17	32.17	1410.05	-29.12	1.222
28-30-P	32.17	32.17	1409.81	-29.03	1.285
28-31-P	32.17	32.17	1409.58	-28.95	1.362
28-32-P	24.13	24.13	1058.42	-21.69	1.096
28-33-P	24.13	24.13	1057.99	-21.62	1.226
28-34-P	24.13	24.13	1057.56	-21.52	1.391
28-35-P	16.08	16.08	706.18	-14.30	1.065
28-36-P	16.08	16.08	705.74	-14.22	1.238
28-37-P	16.08	16.08	705.23	-14.26	1.466
28-38-P	16.08	8.04	698.78	-14.53	1.828
28-39-P	16.08	8.04	696.67	-14.99	2.496
28-40-P	8.04	8.04	351.93	-7.84	1.945
28-41-P	8.04	8.04	351.37	-8.11	3.993
29-1-S	8.04	8.04	360.60	8.67	9.665
29-2-S	8.04	8.04	360.81	8.40	4.686
29-3-S	8.04	8.04	361.36	8.15	3.035
29-4-S	8.04	8.04	361.88	7.91	2.212
29-5-S	16.08	16.08	721.31	15.15	3.472
29-6-S	16.08	16.08	721.76	15.08	2.898
29-7-S	16.08	16.08	718.31	7.77	2.445
29-8-S	24.13	24.13	1075.26	10.70	3.128
29-9-S	24.13	24.13	1075.29	9.84	2.705
29-10-S	24.13	24.13	1075.58	9.51	2.378
29-11-S	32.17	32.17	1432.29	12.35	2.911
29-12-S	32.17	32.17	1432.09	11.44	2.708
29-13-S	32.17	32.17	1431.68	10.14	2.540
29-14-S	32.17	32.17	1431.28	8.87	2.389
29-15-S	32.17	32.17	1431.05	7.91	2.259
29-16-S	32.17	32.17	1430.92	7.32	2.181
29-17-S	32.17	32.17	1430.60	6.56	2.122
29-18-S	32.17	32.17	1430.17	5.58	2.055
29-19-S	40.21	40.21	1785.21	5.68	2.482
29-20-S	40.21	40.21	1784.13	3.50	2.382
29-21-S	40.21	40.21	1782.34	0.00	2.260
29-22-S	40.21	40.21	1780.46	-3.22	2.197
29-23-S	40.21	40.21	1779.40	-4.95	2.163
29-24-S	32.17	32.17	1424.58	-4.66	1.718
29-25-S	32.17	32.17	1424.15	-5.27	1.705
29-26-S	32.17	32.17	1423.82	-5.68	1.694
29-27-S	32.17	32.17	1423.49	-5.96	1.704
29-28-S	32.17	32.17	1422.90	-6.49	1.749
29-29-S	32.17	32.17	1422.21	-7.21	1.805
29-30-S	32.17	32.17	1421.55	-7.89	1.867
29-31-S	32.17	32.17	1421.07	-8.24	1.940
29-32-S	24.13	24.13	1067.08	-6.11	1.525
29-33-S	24.13	24.13	1066.65	-6.03	1.654
29-34-S	24.13	24.13	1066.06	-6.21	1.812
29-35-S	16.08	16.08	711.76	-4.27	1.339
29-36-S	16.08	16.08	711.21	-4.39	1.500
29-37-S	16.08	16.08	710.49	-4.79	1.701
29-38-S	8.04	8.04	356.08	-2.80	1.022
29-39-S	8.04	8.04	355.34	-2.96	1.356
29-40-S	8.04	8.04	354.56	-3.11	2.023
29-41-S	8.04	8.04	354.06	-3.27	4.027
30-1-S	16.08	8.04	710.24	20.68	11.884
30-2-S	8.04	8.04	363.32	11.34	3.089
30-3-S	16.08	16.08	726.13	24.16	4.388
30-4-S	16.08	16.08	727.85	25.66	3.511
30-5-S	24.13	24.13	1083.76	25.82	4.380
30-6-S	32.17	32.17	1444.50	34.94	4.818
30-7-S	32.17	32.17	1445.69	35.46	4.074

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
30-8-S	40.21	40.21	1806.53	45.05	4.475
30-9-S	40.21	40.21	1806.68	45.21	4.328
30-10-S	40.21	40.21	1806.51	44.89	4.217
30-11-S	40.21	40.21	1806.09	44.10	4.102
30-12-S	40.21	40.21	1805.36	42.76	3.966
30-13-S	40.21	40.21	1804.22	40.64	3.754
30-14-S	40.21	40.21	1803.12	38.60	3.564
30-15-S	40.21	40.21	1793.02	19.84	3.352
30-16-S	40.21	40.21	1790.27	14.73	3.148
30-17-S	40.21	40.21	1788.75	11.91	2.964
30-18-S	40.21	40.21	1788.36	11.17	2.829
30-19-S	40.21	40.21	1788.14	10.77	2.711
30-20-S	40.21	40.21	1787.88	10.28	2.600
30-21-S	40.21	40.21	1787.79	10.12	2.501
30-22-S	40.21	40.21	1790.21	14.61	2.448
30-23-S	40.21	40.21	1791.78	17.54	2.414
30-24-S	40.21	40.21	1792.00	17.95	2.389
30-25-S	40.21	40.21	1791.74	17.45	2.366
30-26-S	40.21	40.21	1790.20	14.59	2.349
30-27-S	40.21	40.21	1787.21	9.04	2.325
30-28-S	40.21	40.21	1784.51	4.03	2.250
30-29-S	40.21	40.21	1782.34	0.00	2.156
30-30-S	40.21	40.21	1780.29	-3.69	2.069
30-31-S	40.21	40.21	1778.09	-7.65	1.971
30-32-S	40.21	40.21	1775.92	-11.56	1.864
30-33-S	40.21	40.21	1774.97	-13.28	1.802
30-34-S	40.21	40.21	1774.94	-13.33	1.776
30-35-S	40.21	40.21	1775.28	-12.72	1.752
30-36-S	40.21	40.21	1776.61	-10.33	1.731
30-37-S	40.21	40.21	1778.49	-6.94	1.717
30-38-S	40.21	40.21	1778.56	-6.82	1.724
30-39-S	40.21	40.21	1778.52	-6.89	1.734
30-40-S	40.21	40.21	1778.52	-6.88	1.741
30-41-S	40.21	40.21	1778.43	-7.04	1.752
30-42-S	40.21	40.21	1777.75	-8.27	1.767
30-43-S	40.21	40.21	1776.61	-10.33	1.744
30-44-S	40.21	40.21	1775.18	-12.90	1.717
30-45-S	40.21	40.21	1773.65	-15.66	1.688
30-46-S	40.21	40.21	1772.28	-18.13	1.664
30-47-S	40.21	40.21	1771.81	-18.97	1.663
30-48-S	40.21	40.21	1771.68	-19.20	1.668
30-49-S	40.21	40.21	1771.72	-19.13	1.673
30-50-S	40.21	40.21	1771.84	-18.79	1.692
30-51-S	32.17	32.17	1418.43	-14.72	1.504
30-52-S	32.17	32.17	1417.41	-14.90	1.731
30-53-S	24.13	24.13	1063.58	-11.33	1.531
30-54-S	16.08	16.08	709.80	-7.66	1.243
30-55-S	16.08	16.08	708.90	-7.62	1.590
30-56-S	8.04	8.04	355.17	-3.70	1.156
30-57-S	16.08	8.04	697.43	-7.22	4.606
31-1-S	8.04	8.04	360.13	7.05	4.337
31-2-S	8.04	8.04	361.58	7.17	2.187
31-3-S	16.08	16.08	721.91	14.51	2.923
31-4-S	24.13	24.13	1082.54	22.74	3.421
31-5-S	32.17	32.17	1443.93	32.63	3.859
31-6-S	40.21	40.21	1806.00	43.95	4.237
31-7-S	40.21	40.21	1807.46	46.65	4.283
31-8-S	40.21	40.21	1808.96	49.45	4.326
31-9-S	40.21	40.21	1810.46	52.23	4.373
31-10-S	40.21	40.21	1811.98	55.06	4.421
31-11-S	40.21	40.21	1813.48	57.83	4.466
31-12-S	40.21	40.21	1814.93	60.52	4.508
31-13-S	40.21	40.21	1803.59	39.46	4.493
31-14-S	40.21	40.21	1804.51	41.18	4.374
31-15-S	40.21	40.21	1805.22	42.49	4.270
31-16-S	40.21	40.21	1805.69	43.37	4.178
31-17-S	40.21	40.21	1806.11	44.15	4.091
31-18-S	40.21	40.21	1805.29	42.62	4.015
31-19-S	40.21	40.21	1804.20	40.59	3.912
31-20-S	40.21	40.21	1803.06	38.48	3.777
31-21-S	40.21	40.21	1791.84	17.65	3.525
31-22-S	40.21	40.21	1787.90	10.32	3.235
31-23-S	40.21	40.21	1784.70	4.38	2.952
31-24-S	40.21	40.21	1781.97	-0.66	2.706
31-25-S	40.21	40.21	1779.84	-4.51	2.504
31-26-S	40.21	40.21	1778.54	-6.85	2.349
31-27-S	40.21	40.21	1781.68	-1.19	2.272
31-28-S	40.21	40.21	1785.65	6.16	2.216
31-29-S	40.21	40.21	1789.55	13.39	2.168
31-30-S	40.21	40.21	1793.29	20.33	2.123
31-31-S	40.21	40.21	1792.75	19.33	2.108
31-32-S	40.21	40.21	1789.96	14.14	2.110
31-33-S	40.21	40.21	1787.14	8.91	2.109
31-34-S	40.21	40.21	1784.47	3.96	2.100
31-35-S	40.21	40.21	1782.34	0.00	2.063
31-36-S	40.21	40.21	1780.32	-3.65	1.939
31-37-S	40.21	40.21	1778.10	-7.63	1.810
31-38-S	40.21	40.21	1776.06	-11.31	1.689
31-39-S	40.21	40.21	1774.32	-14.45	1.577
31-40-S	40.21	40.21	1774.31	-14.47	1.512
31-41-S	40.21	40.21	1777.18	-9.29	1.506
31-42-S	40.21	40.21	1780.04	-4.15	1.497
31-43-S	40.21	40.21	1782.77	0.79	1.486

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
31-44-S	40.21	40.21	1784.67	4.32	1.476
31-45-S	40.21	40.21	1783.83	2.76	1.522
31-46-S	40.21	40.21	1782.56	0.41	1.582
31-47-S	40.21	40.21	1780.99	-2.43	1.649
31-48-S	40.21	40.21	1779.31	-5.47	1.720
31-49-S	40.21	40.21	1777.48	-8.75	1.753
31-50-S	40.21	40.21	1775.56	-12.22	1.709
31-51-S	40.21	40.21	1773.60	-15.75	1.633
31-52-S	40.21	40.21	1771.70	-19.17	1.530
31-53-S	40.21	40.21	1770.25	-21.78	1.434
31-54-S	40.21	40.21	1770.56	-21.22	1.455
31-55-S	40.21	40.21	1770.93	-20.56	1.477
31-56-S	40.21	40.21	1771.71	-19.15	1.496
31-57-S	40.21	40.21	1772.87	-17.06	1.515
31-58-S	40.21	40.21	1772.71	-17.34	1.547
31-59-S	40.21	40.21	1772.72	-17.32	1.579
31-60-S	40.21	40.21	1773.00	-16.82	1.613
31-61-S	40.21	40.21	1773.53	-15.87	1.646
31-62-S	40.21	40.21	1773.95	-15.11	1.679
31-63-S	40.21	40.21	1773.83	-15.33	1.706
31-64-S	40.21	40.21	1773.62	-15.72	1.734
31-65-S	32.17	32.17	1419.18	-12.95	1.629
31-66-S	24.13	24.13	1064.53	-10.42	1.493
31-67-S	16.08	16.08	709.94	-7.52	1.311
31-68-S	16.08	8.04	702.82	-7.66	1.976
31-69-S	8.04	8.04	354.13	-3.97	2.021
32-1-S	16.08	16.08	717.07	9.70	6.665
32-2-S	16.08	16.08	718.95	10.45	3.330
32-3-S	24.13	24.13	1079.01	16.77	3.321
32-4-S	32.17	32.17	1439.34	23.79	3.369
32-5-S	40.21	40.21	1798.92	30.80	3.723
32-6-S	40.21	40.21	1799.16	31.23	3.699
32-7-S	40.21	40.21	1799.32	31.53	3.675
32-8-S	40.21	40.21	1799.49	31.86	3.662
32-9-S	40.21	40.21	1800.42	33.58	3.720
32-10-S	40.21	40.21	1801.35	35.30	3.781
32-11-S	40.21	40.21	1802.28	37.04	3.844
32-12-S	40.21	40.21	1803.24	38.82	3.910
32-13-S	40.21	40.21	1804.15	40.51	3.950
32-14-S	40.21	40.21	1804.96	42.02	3.955
32-15-S	40.21	40.21	1805.82	43.61	3.958
32-16-S	40.21	40.21	1806.76	45.35	3.962
32-17-S	40.21	40.21	1807.78	47.24	3.968
32-18-S	40.21	40.21	1808.98	49.47	3.997
32-19-S	40.21	40.21	1782.34	0.00	4.067
32-20-S	40.21	40.21	1782.34	0.00	4.012
32-21-S	40.21	40.21	1782.34	0.00	3.963
32-22-S	40.21	40.21	1800.06	32.92	3.863
32-23-S	40.21	40.21	1799.51	31.88	3.758
32-24-S	40.21	40.21	1798.58	30.15	3.694
32-25-S	40.21	40.21	1797.42	28.01	3.576
32-26-S	40.21	40.21	1795.95	25.28	3.304
32-27-S	40.21	40.21	1779.01	-6.00	3.022
32-28-S	40.21	40.21	1776.47	-10.58	2.762
32-29-S	40.21	40.21	1774.33	-14.43	2.537
32-30-S	40.21	40.21	1772.70	-17.37	2.343
32-31-S	40.21	40.21	1775.45	-12.42	2.228
32-32-S	40.21	40.21	1778.61	-6.72	2.130
32-33-S	40.21	40.21	1781.48	-1.55	2.037
32-34-S	40.21	40.21	1784.00	3.08	1.949
32-35-S	40.21	40.21	1786.38	7.51	1.870
32-36-S	40.21	40.21	1785.68	6.20	1.819
32-37-S	40.21	40.21	1784.66	4.31	1.768
32-38-S	40.21	40.21	1783.65	2.43	1.719
32-39-S	40.21	40.21	1782.70	0.66	1.670
32-40-S	40.21	40.21	1781.99	-0.64	1.597
32-41-S	40.21	40.21	1781.15	-2.14	1.512
32-42-S	40.21	40.21	1780.40	-3.50	1.434
32-43-S	40.21	40.21	1779.76	-4.65	1.363
32-44-S	40.21	40.21	1779.43	-5.24	1.304
32-45-S	40.21	40.21	1781.21	-2.04	1.290
32-46-S	40.21	40.21	1782.86	0.97	1.274
32-47-S	40.21	40.21	1784.48	3.98	1.260
32-48-S	40.21	40.21	1786.08	6.95	1.245
32-49-S	40.21	40.21	1787.29	9.19	1.237
32-50-S	40.21	40.21	1786.28	7.32	1.283
32-51-S	40.21	40.21	1785.10	5.13	1.330
32-52-S	40.21	40.21	1783.83	2.77	1.374
32-53-S	40.21	40.21	1782.51	0.31	1.414
32-54-S	40.21	40.21	1781.07	-2.28	1.444
32-55-S	40.21	40.21	1778.72	-6.52	1.377
32-56-S	40.21	40.21	1776.52	-10.48	1.289
32-57-S	40.21	40.21	1775.40	-12.50	1.239
32-58-S	40.21	40.21	1775.37	-12.55	1.230
32-59-S	40.21	40.21	1776.52	-10.49	1.245
32-60-S	40.21	40.21	1778.29	-7.29	1.265
32-61-S	40.21	40.21	1780.60	-3.14	1.290
32-62-S	40.21	40.21	1781.14	-2.16	1.328
32-63-S	40.21	40.21	1780.67	-3.02	1.379
32-64-S	40.21	40.21	1779.96	-4.29	1.444
32-65-S	40.21	40.21	1778.97	-6.08	1.524
32-66-S	40.21	40.21	1777.75	-8.26	1.620
32-67-S	40.21	40.21	1776.20	-11.05	1.668

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
32-68-S	40.21	40.21	1774.61	-13.93	1.676
32-69-S	40.21	40.21	1773.06	-16.72	1.685
32-70-S	40.21	40.21	1771.60	-19.34	1.697
32-71-S	40.21	40.21	1770.24	-21.80	1.711
32-72-S	40.21	40.21	1770.00	-22.22	1.740
32-73-S	40.21	40.21	1770.05	-22.14	1.773
32-74-S	40.21	40.21	1770.15	-21.96	1.809
32-75-S	32.17	32.17	1416.85	-17.45	1.665
32-76-S	24.13	24.13	1062.82	-12.90	1.676
32-77-S	16.08	16.08	708.61	-8.48	1.722
32-78-S	8.04	8.04	354.34	-4.18	1.770
33-1-S	16.08	16.08	715.56	6.51	5.509
33-2-S	16.08	16.08	717.72	6.69	2.708
33-3-S	32.17	32.17	1433.43	13.68	3.535
33-4-S	40.21	40.21	1791.78	17.53	3.578
33-5-S	40.21	40.21	1792.18	18.27	3.522
33-6-S	40.21	40.21	1792.52	18.90	3.467
33-7-S	40.21	40.21	1792.69	19.22	3.410
33-8-S	40.21	40.21	1793.22	20.21	3.389
33-9-S	40.21	40.21	1793.88	21.43	3.387
33-10-S	40.21	40.21	1794.40	22.40	3.382
33-11-S	40.21	40.21	1794.96	23.44	3.383
33-12-S	40.21	40.21	1795.91	25.20	3.405
33-13-S	40.21	40.21	1796.90	27.05	3.429
33-14-S	40.21	40.21	1797.86	28.83	3.455
33-15-S	40.21	40.21	1798.79	30.55	3.488
33-16-S	40.21	40.21	1799.61	32.08	3.526
33-17-S	40.21	40.21	1800.16	33.10	3.523
33-18-S	40.21	40.21	1800.68	34.07	3.513
33-19-S	40.21	40.21	1801.16	34.95	3.496
33-20-S	40.21	40.21	1801.61	35.79	3.477
33-21-S	40.21	40.21	1802.27	37.02	3.491
33-22-S	40.21	40.21	1803.53	39.35	3.587
33-23-S	40.21	40.21	1782.34	0.00	3.669
33-24-S	40.21	40.21	1782.34	0.00	3.612
33-25-S	40.21	40.21	1782.34	0.00	3.563
33-26-S	40.21	40.21	1782.34	0.00	3.511
33-27-S	40.21	40.21	1782.34	0.00	3.455
33-28-S	40.21	40.21	1782.34	0.00	3.367
33-29-S	40.21	40.21	1791.54	17.08	3.143
33-30-S	40.21	40.21	1791.32	16.67	2.933
33-31-S	40.21	40.21	1791.00	16.08	2.751
33-32-S	40.21	40.21	1790.59	15.32	2.592
33-33-S	40.21	40.21	1773.18	-16.50	2.413
33-34-S	40.21	40.21	1774.48	-14.15	2.245
33-35-S	40.21	40.21	1775.70	-11.97	2.094
33-36-S	40.21	40.21	1777.03	-9.57	1.963
33-37-S	40.21	40.21	2025.34	-8.91	2.106
33-38-S	40.21	40.21	2027.34	-5.74	1.993
33-39-S	40.21	48.25	2032.82	-2.45	1.898
33-40-S	40.21	48.25	2032.90	-2.32	1.820
33-41-S	40.21	48.25	2033.05	-2.08	1.746
33-42-S	40.21	48.25	2033.65	-1.14	1.664
33-43-S	40.21	40.21	2030.95	-0.02	1.579
33-44-S	40.21	48.25	2034.99	1.00	1.504
33-45-S	40.21	48.25	2035.40	1.67	1.433
33-46-S	40.21	48.25	2035.43	1.71	1.368
33-47-S	40.21	48.25	2035.41	1.68	1.312
33-48-S	40.21	40.21	2033.23	3.72	1.288
33-49-S	40.21	40.21	2034.25	5.38	1.264
33-50-S	40.21	40.21	1785.21	5.34	1.086
33-51-S	40.21	40.21	1785.65	6.14	1.061
33-52-S	40.21	40.21	1785.91	6.64	1.035
33-53-S	40.21	40.21	1786.14	7.06	1.010
33-54-S	40.21	40.21	1785.78	6.38	1.010
33-55-S	40.21	40.21	1785.21	5.33	1.018
33-56-S	40.21	40.21	1784.79	4.56	1.026
33-57-S	40.21	40.21	1784.52	4.04	1.033
33-58-S	40.21	40.21	1784.34	3.71	1.041
33-59-S	40.21	40.21	1784.35	3.74	1.042
33-60-S	40.21	40.21	1784.79	4.54	1.050
33-61-S	40.21	40.21	1785.24	5.39	1.057
33-62-S	40.21	40.21	1785.70	6.25	1.064
33-63-S	40.21	40.21	1786.20	7.17	1.072
33-64-S	40.21	40.21	1786.98	8.62	1.097
33-65-S	40.21	40.21	1788.01	10.53	1.145
33-66-S	40.21	40.21	1787.68	9.91	1.225
33-67-S	40.21	40.21	1786.55	7.81	1.323
33-68-S	40.21	40.21	1785.22	5.34	1.434
33-69-S	40.21	40.21	1783.77	2.65	1.556
33-70-S	40.21	40.21	1782.03	-0.55	1.687
33-71-S	40.21	40.21	1779.75	-4.67	1.699
33-72-S	40.21	40.21	1777.32	-9.05	1.689
33-73-S	40.21	40.21	1774.82	-13.54	1.675
33-74-S	40.21	40.21	1772.39	-17.93	1.657
33-75-S	40.21	40.21	1770.17	-21.93	1.642
33-76-S	40.21	40.21	1769.75	-22.68	1.662
33-77-S	40.21	40.21	1769.89	-22.42	1.695
33-78-S	40.21	40.21	1770.04	-22.16	1.732
33-79-S	40.21	40.21	1770.32	-21.65	1.788
33-80-S	40.21	40.21	1770.80	-20.78	1.873
33-81-S	40.21	40.21	1771.23	-20.01	1.957
33-82-S	40.21	40.21	1771.60	-19.35	2.040

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
33-83-S	32.17	32.17	1417.51	-15.42	2.070
33-84-S	16.08	16.08	709.79	-7.78	1.632
33-85-S	8.04	8.04	354.88	-3.92	1.717
34-1-S	24.13	24.13	1071.88	7.68	7.037
34-2-S	24.13	24.13	1074.20	7.84	3.451
34-3-S	40.21	40.21	1789.35	13.22	3.837
34-4-S	40.21	40.21	1789.17	12.69	3.679
34-5-S	40.21	40.21	1788.84	12.08	3.577
34-6-S	40.21	40.21	1788.53	11.50	3.480
34-7-S	40.21	40.21	1788.31	11.08	3.384
34-8-S	40.21	40.21	1788.19	10.87	3.295
34-9-S	40.21	40.21	1788.10	10.70	3.217
34-10-S	40.21	40.21	1788.05	10.60	3.153
34-11-S	40.21	40.21	1788.81	12.02	3.128
34-12-S	40.21	40.21	1789.79	13.83	3.105
34-13-S	40.21	40.21	1790.70	15.53	3.062
34-14-S	40.21	40.21	1791.56	17.12	3.012
34-15-S	40.21	40.21	1792.46	18.80	2.995
34-16-S	40.21	40.21	1793.40	20.53	2.993
34-17-S	40.21	40.21	1794.29	22.20	2.992
34-18-S	40.21	40.21	1794.96	23.44	2.996
34-19-S	40.21	40.21	1795.43	24.31	3.000
34-20-S	40.21	40.21	1795.87	25.12	2.998
34-21-S	40.21	40.21	1796.27	25.87	2.985
34-22-S	40.21	40.21	1796.63	26.54	2.959
34-23-S	40.21	40.21	1797.43	28.03	3.018
34-24-S	40.21	40.21	1798.46	29.94	3.111
34-25-S	40.21	40.21	1799.54	31.94	3.207
34-26-S	40.21	40.21	1800.66	34.02	3.305
34-27-S	40.21	40.21	1782.34	0.00	3.168
34-28-S	40.21	40.21	2030.96	0.00	3.473
34-29-S	40.21	48.25	2034.37	0.00	3.399
34-30-S	40.21	48.25	2283.40	0.00	3.705
34-31-S	40.21	56.30	2286.36	0.00	3.599
34-32-S	40.21	56.30	2535.71	0.00	3.877
34-33-S	40.21	56.30	2535.71	0.00	3.770
34-34-S	40.21	56.30	2785.05	0.00	4.030
34-35-S	40.21	56.30	2785.05	0.00	3.926
34-36-S	40.21	56.30	3004.46	-31.74	4.123
34-37-S	40.21	48.25	3006.76	-25.28	3.778
34-38-S	40.21	56.30	3015.40	-20.14	3.501
34-39-S	40.21	48.25	3015.55	-15.92	3.262
34-40-S	40.21	48.25	3018.78	-12.49	3.063
34-41-S	40.21	48.25	3021.39	-9.71	2.866
34-42-S	40.21	40.21	3018.77	-7.44	2.648
34-43-S	40.21	40.21	3020.54	-5.54	2.443
34-44-S	40.21	40.21	3022.25	-3.71	2.276
34-45-S	40.21	40.21	3024.11	-1.73	2.153
34-46-S	40.21	40.21	3026.05	0.37	2.061
34-47-S	40.21	40.21	3027.68	2.16	1.968
34-48-S	40.21	40.21	3028.99	3.62	1.871
34-49-S	40.21	40.21	3030.00	4.74	1.771
34-50-S	40.21	40.21	3030.84	5.67	1.675
34-51-S	40.21	48.25	3036.50	6.60	1.603
34-52-S	40.21	48.25	3037.45	7.64	1.562
34-53-S	40.21	48.25	3038.41	8.70	1.531
34-54-S	40.21	56.30	3043.26	9.72	1.502
34-55-S	40.21	48.25	3040.18	10.65	1.469
34-56-S	40.21	56.30	3044.87	11.49	1.438
34-57-S	40.21	56.30	2793.65	10.25	1.289
34-58-S	40.21	56.30	2766.71	11.27	1.269
34-59-S	40.21	56.30	2488.22	10.56	1.151
34-60-S	40.21	56.30	2489.19	11.86	1.160
34-61-S	48.25	56.30	2521.62	11.88	1.184
34-62-S	48.25	48.25	2643.20	13.51	1.248
34-63-S	48.25	48.25	2309.46	11.22	1.097
34-64-S	48.25	40.21	2305.21	12.30	1.106
34-65-S	48.25	40.21	2138.91	11.48	1.052
34-66-S	48.25	40.21	2140.11	13.71	1.093
34-67-S	48.25	40.21	2141.43	16.17	1.139
34-68-S	48.25	40.21	2142.82	18.78	1.188
34-69-S	40.21	40.21	1792.06	18.06	1.037
34-70-S	40.21	40.21	1792.80	19.44	1.093
34-71-S	40.21	40.21	1792.52	18.91	1.169
34-72-S	40.21	40.21	1791.76	17.49	1.243
34-73-S	40.21	40.21	1790.62	15.37	1.318
34-74-S	40.21	40.21	1789.10	12.56	1.393
34-75-S	40.21	40.21	1787.01	8.66	1.440
34-76-S	40.21	40.21	1784.36	3.75	1.448
34-77-S	40.21	40.21	1781.60	-1.33	1.452
34-78-S	40.21	40.21	1779.20	-5.66	1.476
34-79-S	40.21	40.21	1777.76	-8.26	1.550
34-80-S	40.21	40.21	1776.80	-9.97	1.631
34-81-S	40.21	40.21	1776.10	-11.24	1.702
34-82-S	40.21	40.21	1775.77	-11.84	1.778
34-83-S	40.21	40.21	1775.89	-11.62	1.887
34-84-S	40.21	40.21	1775.11	-13.02	2.012
34-85-S	40.21	40.21	1773.41	-16.09	2.142
34-86-S	40.21	40.21	1772.16	-18.34	2.260
34-87-S	40.21	40.21	1771.74	-19.10	2.365
34-88-S	40.21	40.21	1771.42	-19.67	2.473
34-89-S	40.21	40.21	1771.01	-20.22	2.615
34-90-S	24.13	24.13	1062.95	-12.66	2.415

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
34-91-S	8.04	8.04	355.06	-4.42	1.697
35-1-S	32.17	32.17	1426.67	5.77	8.031
35-2-S	32.17	32.17	1429.88	7.12	3.931
35-3-S	40.21	40.21	1787.35	9.31	3.916
35-4-S	40.21	40.21	1787.18	8.99	3.803
35-5-S	40.21	40.21	1786.97	8.60	3.704
35-6-S	40.21	40.21	1786.77	8.24	3.610
35-7-S	40.21	40.21	1786.74	8.17	3.520
35-8-S	40.21	40.21	1787.00	8.66	3.435
35-9-S	40.21	40.21	1787.25	9.11	3.352
35-10-S	40.21	40.21	1787.35	9.31	3.272
35-11-S	40.21	40.21	1787.35	9.30	3.192
35-12-S	40.21	40.21	1787.43	9.45	3.113
35-13-S	40.21	40.21	1788.07	10.64	3.019
35-14-S	40.21	40.21	1788.74	11.89	2.925
35-15-S	40.21	40.21	1789.32	12.96	2.829
35-16-S	40.21	40.21	1789.87	13.99	2.743
35-17-S	40.21	40.21	1790.36	14.89	2.656
35-18-S	40.21	40.21	1790.71	15.54	2.564
35-19-S	40.21	40.21	1791.04	16.16	2.517
35-20-S	40.21	40.21	1791.42	16.86	2.498
35-21-S	40.21	40.21	1791.78	17.53	2.475
35-22-S	40.21	40.21	1792.13	18.18	2.449
35-23-S	40.21	40.21	1792.46	18.79	2.423
35-24-S	40.21	40.21	1792.78	19.38	2.398
35-25-S	40.21	48.25	2050.32	25.91	2.732
35-26-S	40.21	48.25	2307.39	34.82	3.168
35-27-S	40.21	56.30	2570.75	45.74	3.639
35-28-S	40.21	64.34	2575.87	48.78	3.763
35-29-S	40.21	72.38	2843.52	62.88	4.292
35-30-S	40.21	72.38	3040.11	0.00	4.722
35-31-S	40.21	64.34	3037.53	0.00	4.532
35-32-S	40.21	56.30	3034.38	0.00	4.384
35-33-S	40.21	48.25	3030.51	0.00	4.246
35-34-S	40.21	40.21	3025.72	0.00	4.117
35-35-S	40.21	40.21	3025.72	0.00	4.006
35-36-S	40.21	40.21	3025.72	0.00	3.905
35-37-S	40.21	40.21	3025.72	0.00	3.811
35-38-S	40.21	40.21	3025.72	0.00	3.739
35-39-S	40.21	40.21	3025.72	0.00	3.678
35-40-S	40.21	40.21	3025.72	0.00	3.620
35-41-S	40.21	40.21	3008.41	-18.50	3.374
35-42-S	40.21	40.21	3012.56	-14.06	3.047
35-43-S	40.21	40.21	3015.85	-10.55	2.766
35-44-S	40.21	40.21	3018.16	-8.08	2.556
35-45-S	40.21	40.21	3020.04	-6.07	2.375
35-46-S	40.21	40.21	3021.89	-4.09	2.196
35-47-S	40.21	40.21	3023.68	-2.18	2.023
35-48-S	40.21	40.21	3025.38	-0.37	1.859
35-49-S	40.21	40.21	3026.73	1.11	1.732
35-50-S	40.21	40.21	3027.69	2.18	1.650
35-51-S	40.21	40.21	3028.54	3.12	1.574
35-52-S	40.21	40.21	3029.31	3.98	1.501
35-53-S	40.21	40.21	3030.07	4.82	1.429
35-54-S	40.21	40.21	3030.83	5.65	1.360
35-55-S	40.21	40.21	3031.61	6.52	1.297
35-56-S	40.21	40.21	3032.40	7.40	1.265
35-57-S	40.21	40.21	3033.07	8.14	1.236
35-58-S	40.21	40.21	3033.67	8.80	1.208
35-59-S	40.21	40.21	3034.23	9.43	1.181
35-60-S	40.21	40.21	3034.77	10.03	1.156
35-61-S	40.21	40.21	3035.35	10.67	1.133
35-62-S	40.21	40.21	3036.56	12.00	1.138
35-63-S	40.21	40.21	3038.03	13.63	1.146
35-64-S	40.21	48.25	3044.64	15.56	1.157
35-65-S	40.21	56.30	3050.53	17.69	1.168
35-66-S	40.21	64.34	3055.73	19.85	1.181
35-67-S	40.21	72.38	3060.35	21.99	1.221
35-68-S	40.21	72.38	2807.59	20.44	1.157
35-69-S	40.21	64.34	2552.76	18.76	1.087
35-70-S	40.21	56.30	2551.66	20.82	1.124
35-71-S	40.21	48.25	2296.43	18.92	1.047
35-72-S	48.25	48.25	2447.95	20.36	1.156
35-73-S	48.25	40.21	2141.89	17.04	1.061
35-74-S	48.25	40.21	2142.39	17.97	1.118
35-75-S	48.25	40.21	2143.00	19.11	1.182
35-76-S	40.21	40.21	1791.51	17.03	1.046
35-77-S	40.21	40.21	1791.95	17.86	1.107
35-78-S	40.21	40.21	1792.29	18.49	1.172
35-79-S	40.21	40.21	1792.42	18.73	1.242
35-80-S	40.21	40.21	1792.43	18.74	1.342
35-81-S	40.21	40.21	1791.47	16.96	1.457
35-82-S	40.21	40.21	1790.36	14.90	1.584
35-83-S	40.21	40.21	1788.89	12.16	1.735
35-84-S	40.21	40.21	1787.19	9.00	1.902
35-85-S	40.21	40.21	1785.16	5.23	2.083
35-86-S	40.21	40.21	1783.08	1.38	2.209
35-87-S	40.21	40.21	1780.75	-2.86	2.334
35-88-S	40.21	40.21	1777.82	-8.14	2.441
35-89-S	40.21	40.21	1774.34	-14.42	2.527
35-90-S	40.21	40.21	1771.21	-20.04	2.587
35-91-S	40.21	40.21	1769.97	-22.28	2.670
35-92-S	40.21	40.21	1769.66	-22.84	2.770

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
35-93-S	40.21	40.21	1769.33	-23.44	2.879
35-94-S	40.21	40.21	1769.10	-23.85	3.006
35-95-S	32.17	32.17	1415.39	-19.20	3.089
35-96-S	16.08	16.08	707.86	-9.37	3.273
36-1-S	32.17	32.17	1424.35	0.75	6.932
36-2-S	32.17	32.17	1427.70	1.14	3.665
36-3-S	40.21	40.21	1783.23	1.64	4.202
36-4-S	40.21	40.21	1783.37	1.91	4.051
36-5-S	40.21	40.21	1783.50	2.15	3.911
36-6-S	40.21	40.21	1783.62	2.37	3.781
36-7-S	40.21	40.21	1783.85	2.81	3.642
36-8-S	40.21	40.21	1784.27	3.58	3.494
36-9-S	40.21	40.21	1784.80	4.57	3.382
36-10-S	40.21	40.21	1785.27	5.45	3.303
36-11-S	40.21	40.21	1785.72	6.29	3.232
36-12-S	40.21	40.21	1786.16	7.10	3.165
36-13-S	40.21	40.21	1786.58	7.87	3.091
36-14-S	40.21	40.21	1786.94	8.55	2.978
36-15-S	40.21	40.21	1787.36	9.33	2.863
36-16-S	40.21	40.21	1787.74	10.03	2.752
36-17-S	40.21	40.21	1788.11	10.71	2.649
36-18-S	40.21	40.21	1788.38	11.21	2.540
36-19-S	40.21	40.21	1788.45	11.35	2.414
36-20-S	40.21	40.21	1788.41	11.27	2.282
36-21-S	40.21	40.21	1788.36	11.18	2.161
36-22-S	40.21	40.21	1788.55	11.52	2.103
36-23-S	40.21	40.21	2040.47	15.54	2.376
36-24-S	40.21	56.30	2300.42	20.30	2.644
36-25-S	40.21	64.34	2558.11	25.71	2.892
36-26-S	40.21	72.38	2817.20	31.79	3.124
36-27-S	40.21	80.42	3077.81	38.52	3.337
36-28-S	40.21	72.38	3077.56	40.69	3.374
36-29-S	40.21	56.30	3074.65	44.12	3.484
36-30-S	40.21	48.25	3073.78	47.66	3.598
36-31-S	40.21	40.21	-2961.22	-69.28	3.630
36-32-S	40.21	40.21	-2964.77	-65.47	3.607
36-33-S	40.21	40.21	-2967.71	-62.32	3.621
36-34-S	40.21	40.21	-2969.21	-60.70	3.705
36-35-S	40.21	40.21	-2970.57	-59.24	3.790
36-36-S	40.21	40.21	3025.72	0.00	3.776
36-37-S	40.21	40.21	3025.72	0.00	3.674
36-38-S	40.21	40.21	3025.72	0.00	3.578
36-39-S	40.21	40.21	3025.72	0.00	3.494
36-40-S	40.21	40.21	3025.72	0.00	3.421
36-41-S	40.21	40.21	3025.72	0.00	3.357
36-42-S	40.21	40.21	3025.72	0.00	3.304
36-43-S	40.21	40.21	3025.72	0.00	3.259
36-44-S	40.21	40.21	3002.26	-25.07	3.139
36-45-S	40.21	40.21	3007.41	-19.57	2.821
36-46-S	40.21	40.21	3012.25	-14.40	2.519
36-47-S	40.21	40.21	3016.56	-9.80	2.243
36-48-S	40.21	40.21	3019.68	-6.46	2.032
36-49-S	40.21	40.21	3021.95	-4.04	1.869
36-50-S	40.21	40.21	3023.91	-1.94	1.724
36-51-S	40.21	40.21	3025.76	0.04	1.590
36-52-S	40.21	40.21	3027.40	1.86	1.466
36-53-S	40.21	40.21	3028.78	3.39	1.378
36-54-S	40.21	40.21	3030.00	4.73	1.307
36-55-S	40.21	40.21	3031.10	5.96	1.238
36-56-S	40.21	40.21	3032.03	6.99	1.172
36-57-S	40.21	40.21	3032.80	7.84	1.111
36-58-S	40.21	40.21	3033.49	8.61	1.070
36-59-S	40.21	40.21	3034.14	9.33	1.044
36-60-S	40.21	40.21	3034.79	10.05	1.019
36-61-S	48.25	40.21	3633.16	12.86	1.190
36-62-S	48.25	40.21	3633.85	13.63	1.163
36-63-S	48.25	40.21	3634.52	14.38	1.141
36-64-S	48.25	40.21	3635.31	15.25	1.142
36-65-S	48.25	40.21	3636.11	16.15	1.144
36-66-S	48.25	40.21	3636.93	17.06	1.145
36-67-S	48.25	40.21	3637.76	17.99	1.147
36-68-S	48.25	40.21	3638.77	19.11	1.150
36-69-S	48.25	40.21	3640.10	20.60	1.179
36-70-S	40.21	40.21	3042.73	18.84	1.016
36-71-S	40.21	40.21	3044.53	20.83	1.046
36-72-S	40.21	48.25	3051.53	23.15	1.079
36-73-S	40.21	56.30	3057.77	25.63	1.114
36-74-S	40.21	72.38	3066.15	28.29	1.152
36-75-S	40.21	80.42	3071.49	31.68	1.213
36-76-S	40.21	72.38	2815.83	30.17	1.180
36-77-S	40.21	64.34	2559.87	28.00	1.139
36-78-S	40.21	56.30	2303.83	25.21	1.088
36-79-S	40.21	40.21	2044.33	21.86	1.023
36-80-S	48.25	40.21	2144.41	21.75	1.137
36-81-S	40.21	40.21	1793.45	20.63	1.029
36-82-S	40.21	40.21	1795.75	24.90	1.150
36-83-S	40.21	40.21	1798.56	30.13	1.296
36-84-S	40.21	40.21	1800.73	34.15	1.457
36-85-S	40.21	40.21	1801.08	34.81	1.621
36-86-S	40.21	40.21	1800.21	33.19	1.803
36-87-S	40.21	40.21	1798.74	30.46	2.014
36-88-S	40.21	40.21	1796.54	26.38	2.247
36-89-S	40.21	40.21	1793.43	20.59	2.472

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
36-90-S	40.21	40.21	1789.64	13.56	2.542
36-91-S	40.21	40.21	1785.83	6.48	2.579
36-92-S	40.21	40.21	1781.90	-0.80	2.623
36-93-S	40.21	40.21	1777.75	-8.28	2.676
36-94-S	40.21	40.21	1773.86	-15.28	2.771
36-95-S	40.21	40.21	1771.57	-19.40	2.928
36-96-S	40.21	40.21	1771.04	-20.35	3.092
36-97-S	40.21	40.21	1771.39	-19.72	3.258
36-98-S	40.21	40.21	1771.78	-19.02	3.443
36-99-S	40.21	40.21	1772.22	-18.22	3.649
36-100-S	32.17	32.17	1419.16	-14.27	3.259
36-101-S	16.08	16.08	710.16	-6.76	3.225
37-1-S	40.21	40.21	1779.96	0.42	8.194
37-2-S	40.21	40.21	1782.23	-0.20	4.803
37-3-S	40.21	40.21	1781.65	-1.24	4.630
37-4-S	40.21	40.21	1781.11	-2.21	4.470
37-5-S	40.21	40.21	1780.61	-3.12	4.321
37-6-S	40.21	40.21	1780.33	-3.63	4.177
37-7-S	40.21	40.21	1780.56	-3.21	4.010
37-8-S	40.21	40.21	1781.37	-1.75	3.797
37-9-S	40.21	40.21	1782.23	-0.20	3.592
37-10-S	40.21	40.21	1782.98	1.19	3.406
37-11-S	40.21	40.21	1783.66	2.45	3.239
37-12-S	40.21	40.21	1784.26	3.56	3.094
37-13-S	40.21	40.21	1784.80	4.56	2.976
37-14-S	40.21	40.21	1785.16	5.24	2.851
37-15-S	40.21	40.21	1785.51	5.88	2.725
37-16-S	40.21	40.21	1785.86	6.53	2.617
37-17-S	40.21	40.21	1786.17	7.11	2.513
37-18-S	40.21	40.21	1786.45	7.64	2.416
37-19-S	40.21	40.21	1786.69	8.08	2.321
37-20-S	40.21	40.21	1786.75	8.19	2.207
37-21-S	40.21	40.21	1786.79	8.26	2.099
37-22-S	40.21	48.25	2040.91	10.61	2.282
37-23-S	40.21	64.34	2550.63	15.98	2.717
37-24-S	40.21	72.38	3060.70	22.37	3.117
37-25-S	40.21	80.42	3062.76	22.23	3.019
37-26-S	40.21	72.38	3061.06	22.76	2.954
37-27-S	40.21	56.30	3055.71	23.37	2.893
37-28-S	40.21	48.25	3052.28	23.98	2.841
37-29-S	40.21	40.21	-2958.22	-72.51	2.762
37-30-S	40.21	40.21	-2961.07	-69.45	2.672
37-31-S	40.21	40.21	-2962.93	-67.45	2.612
37-32-S	40.21	40.21	-2964.36	-65.92	2.576
37-33-S	40.21	40.21	-2965.41	-64.78	2.563
37-34-S	40.21	40.21	-2966.35	-63.78	2.587
37-35-S	40.21	40.21	-2967.63	-62.41	2.608
37-36-S	40.21	40.21	-2969.24	-60.67	2.611
37-37-S	40.21	40.21	-2971.17	-58.60	2.591
37-38-S	40.21	40.21	-2973.04	-56.59	2.562
37-39-S	40.21	40.21	-2973.38	-56.23	2.665
37-40-S	40.21	40.21	-2972.92	-56.72	2.873
37-41-S	40.21	40.21	-2972.55	-57.12	3.086
37-42-S	40.21	40.21	3025.72	0.00	3.131
37-43-S	40.21	40.21	3025.72	0.00	3.073
37-44-S	40.21	40.21	3025.72	0.00	3.018
37-45-S	40.21	40.21	3025.72	0.00	2.975
37-46-S	40.21	40.21	2994.78	-33.06	2.911
37-47-S	40.21	40.21	3002.62	-24.69	2.556
37-48-S	40.21	40.21	3008.53	-18.37	2.271
37-49-S	40.21	40.21	3013.41	-13.16	2.034
37-50-S	40.21	40.21	3018.05	-8.20	1.817
37-51-S	40.21	40.21	3022.04	-3.94	1.630
37-52-S	40.21	40.21	3025.00	-0.77	1.482
37-53-S	40.21	40.21	3027.16	1.59	1.363
37-54-S	40.21	40.21	3029.14	3.79	1.256
37-55-S	40.21	40.21	3030.90	5.74	1.165
37-56-S	40.21	40.21	3032.22	7.20	1.086
37-57-S	40.21	40.21	3033.34	8.44	1.021
37-58-S	56.30	40.21	4226.73	13.59	1.339
37-59-S	56.30	40.21	4228.47	15.53	1.262
37-60-S	56.30	40.21	4229.76	16.98	1.212
37-61-S	56.30	40.21	4230.63	17.96	1.182
37-62-S	56.30	40.21	4231.47	18.90	1.154
37-63-S	56.30	40.21	4232.32	19.84	1.126
37-64-S	56.30	40.21	4233.19	20.82	1.102
37-65-S	56.30	40.21	4234.09	21.83	1.101
37-66-S	56.30	40.21	4235.00	22.84	1.101
37-67-S	56.30	40.21	4235.92	23.87	1.100
37-68-S	56.30	40.21	4236.83	24.89	1.099
37-69-S	56.30	40.21	4237.81	25.99	1.111
37-70-S	56.30	40.21	4238.99	27.31	1.143
37-71-S	56.30	40.21	4240.23	28.71	1.178
37-72-S	56.30	40.21	4241.56	30.19	1.214
37-73-S	56.30	40.21	4243.03	31.83	1.252
37-74-S	56.30	40.21	4244.85	33.87	1.291
37-75-S	56.30	40.21	4247.04	36.32	1.339
37-76-S	40.21	40.21	3051.43	28.48	1.009
37-77-S	40.21	48.25	3059.09	31.47	1.065
37-78-S	40.21	56.30	3066.18	34.84	1.127
37-79-S	40.21	72.38	3075.68	38.65	1.198
37-80-S	40.21	80.42	3081.79	42.83	1.276
37-81-S	40.21	72.38	3084.15	47.85	1.370

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
37-82-S	40.21	64.34	2568.33	38.98	1.260
37-83-S	40.21	48.25	2052.68	29.74	1.122
37-84-S	40.21	40.21	1797.04	27.30	1.097
37-85-S	40.21	40.21	1799.97	32.73	1.242
37-86-S	40.21	40.21	1803.57	39.43	1.426
37-87-S	40.21	40.21	1804.12	40.45	1.580
37-88-S	40.21	40.21	1803.92	40.07	1.749
37-89-S	40.21	40.21	1803.33	38.97	1.932
37-90-S	40.21	40.21	1801.91	36.34	2.122
37-91-S	40.21	40.21	1800.52	33.76	2.335
37-92-S	40.21	40.21	1798.97	30.88	2.524
37-93-S	40.21	40.21	1796.35	26.03	2.668
37-94-S	40.21	40.21	1794.63	22.82	2.848
37-95-S	40.21	40.21	1793.04	19.87	3.066
37-96-S	40.21	40.21	1791.17	16.41	3.317
37-97-S	40.21	40.21	1788.97	12.31	3.607
37-98-S	40.21	40.21	1786.25	7.25	3.915
37-99-S	40.21	40.21	1783.47	2.10	4.150
37-100-S	40.21	40.21	1780.60	-3.14	4.316
37-101-S	40.21	40.21	1781.10	-2.23	4.465
37-102-S	40.21	40.21	1781.64	-1.26	4.624
37-103-S	40.21	40.21	1782.22	-0.21	4.797
37-104-S	24.13	24.13	1069.64	0.24	4.917
38-1-S	40.21	40.21	1780.30	0.06	7.972
38-2-S	40.21	40.21	1782.01	-0.59	5.414
38-3-S	40.21	40.21	1781.55	-1.43	5.213
38-4-S	40.21	40.21	1781.10	-2.23	5.027
38-5-S	40.21	40.21	1780.65	-3.05	4.853
38-6-S	40.21	40.21	1780.30	-3.67	4.711
38-7-S	40.21	40.21	1780.36	-3.56	4.547
38-8-S	40.21	40.21	1780.59	-3.16	4.350
38-9-S	40.21	40.21	1780.79	-2.79	4.169
38-10-S	40.21	40.21	1781.06	-2.31	3.998
38-11-S	40.21	40.21	1781.82	-0.93	3.739
38-12-S	40.21	40.21	1782.70	0.67	3.461
38-13-S	40.21	40.21	1783.51	2.18	3.224
38-14-S	40.21	40.21	1784.26	3.57	3.028
38-15-S	40.21	40.21	1784.72	4.42	2.841
38-16-S	40.21	40.21	1784.93	4.81	2.661
38-17-S	40.21	40.21	1785.11	5.14	2.500
38-18-S	40.21	40.21	1785.28	5.45	2.360
38-19-S	40.21	40.21	1785.42	5.73	2.239
38-20-S	40.21	40.21	1785.58	6.02	2.135
38-21-S	40.21	48.25	2290.22	9.90	2.616
38-22-S	40.21	64.34	2800.07	14.39	3.039
38-23-S	40.21	80.42	3057.52	16.55	3.169
38-24-S	40.21	80.42	3056.81	15.78	3.030
38-25-S	40.21	72.38	3053.97	15.05	2.900
38-26-S	40.21	56.30	3047.49	14.36	2.778
38-27-S	40.21	40.21	3038.09	13.70	2.662
38-28-S	40.21	40.21	-2946.59	-85.00	2.517
38-29-S	40.21	40.21	-2951.08	-80.18	2.366
38-30-S	40.21	40.21	-2953.77	-77.29	2.270
38-31-S	40.21	40.21	-2956.11	-74.78	2.189
38-32-S	40.21	40.21	-2958.34	-72.38	2.112
38-33-S	40.21	40.21	-2960.74	-69.80	2.024
38-34-S	40.21	40.21	-2963.60	-66.73	1.909
38-35-S	40.21	40.21	-2966.07	-64.08	1.815
38-36-S	40.21	40.21	-2967.16	-62.90	1.803
38-37-S	40.21	40.21	-2968.27	-61.71	1.794
38-38-S	40.21	40.21	-2969.46	-60.44	1.775
38-39-S	40.21	40.21	-2970.66	-59.14	1.744
38-40-S	40.21	40.21	-2970.10	-59.75	1.826
38-41-S	40.21	40.21	-2969.30	-60.60	1.933
38-42-S	40.21	40.21	-2969.32	-60.59	2.034
38-43-S	40.21	40.21	-2970.30	-59.53	2.155
38-44-S	40.21	40.21	-2972.11	-57.59	2.314
38-45-S	40.21	40.21	-2975.57	-53.87	2.467
38-46-S	40.21	40.21	-2978.64	-50.58	2.694
38-47-S	40.21	40.21	3492.23	0.00	3.174
38-48-S	40.21	48.25	3497.54	0.00	3.143
38-49-S	40.21	48.25	3915.33	-40.25	3.145
38-50-S	40.21	56.30	3936.97	-26.44	2.721
38-51-S	40.21	56.30	3949.54	-16.21	2.365
38-52-S	40.21	48.25	4417.58	-10.44	2.323
38-53-S	40.21	48.25	4426.45	-3.95	2.054
38-54-S	40.21	40.21	4427.24	1.21	1.857
38-55-S	40.21	48.25	4439.20	5.57	1.699
38-56-S	40.21	48.25	4208.80	8.45	1.469
38-57-S	40.21	56.30	3981.32	9.99	1.264
38-58-S	40.21	56.30	3984.77	12.90	1.160
38-59-S	40.21	48.25	3983.02	15.55	1.077
38-60-S	64.34	48.25	5582.99	22.64	1.426
38-61-S	64.34	40.21	5573.22	25.50	1.349
38-62-S	64.34	40.21	4823.47	21.12	1.111
38-63-S	64.34	40.21	4825.89	23.84	1.080
38-64-S	64.34	40.21	4828.35	26.61	1.056
38-65-S	64.34	40.21	4830.31	28.82	1.033
38-66-S	64.34	40.21	4832.09	30.82	1.027
38-67-S	64.34	40.21	4833.48	32.38	1.031
38-68-S	64.34	40.21	4834.53	33.57	1.034
38-69-S	64.34	40.21	4835.56	34.72	1.044
38-70-S	64.34	40.21	4836.65	35.95	1.065

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
38-71-S	64.34	40.21	4837.80	37.24	1.087
38-72-S	64.34	40.21	4839.04	38.63	1.111
38-73-S	64.34	40.21	4840.38	40.15	1.141
38-74-S	64.34	40.21	4841.81	41.76	1.181
38-75-S	64.34	40.21	4843.37	43.51	1.234
38-76-S	64.34	40.21	4845.10	45.46	1.302
38-77-S	64.34	40.21	4847.01	47.60	1.377
38-78-S	64.34	40.21	4848.60	49.39	1.448
38-79-S	64.34	40.21	4850.16	51.15	1.522
38-80-S	40.21	40.21	3056.21	33.78	1.010
38-81-S	40.21	40.21	3058.11	35.89	1.073
38-82-S	40.21	56.30	3070.12	39.16	1.155
38-83-S	40.21	72.38	3081.80	45.29	1.268
38-84-S	40.21	80.42	3090.92	52.72	1.404
38-85-S	40.21	80.42	3099.37	61.86	1.569
38-86-S	40.21	64.34	2839.93	61.65	1.622
38-87-S	40.21	48.25	2317.49	49.49	1.504
38-88-S	40.21	40.21	1800.23	33.22	1.299
38-89-S	40.21	40.21	1801.96	36.45	1.454
38-90-S	40.21	40.21	1804.74	41.60	1.660
38-91-S	40.21	40.21	1808.73	49.00	1.943
38-92-S	40.21	40.21	1814.28	59.33	2.320
38-93-S	40.21	40.21	1819.56	69.12	2.666
38-94-S	40.21	40.21	1822.23	74.08	2.995
38-95-S	40.21	40.21	1783.49	2.14	3.216
38-96-S	40.21	40.21	1782.68	0.64	3.452
38-97-S	40.21	40.21	1781.81	-0.96	3.730
38-98-S	40.21	40.21	1781.05	-2.33	3.988
38-99-S	40.21	40.21	1780.78	-2.81	4.159
38-100-S	40.21	40.21	1780.58	-3.18	4.340
38-101-S	40.21	40.21	1780.36	-3.57	4.538
38-102-S	40.21	40.21	1780.30	-3.68	4.703
38-103-S	40.21	40.21	1780.64	-3.06	4.844
38-104-S	40.21	40.21	1781.09	-2.24	5.018
38-105-S	40.21	40.21	1781.54	-1.44	5.204
38-106-S	40.21	40.21	1782.01	-0.60	5.406
38-107-S	24.13	24.13	1070.32	0.03	4.786
39-1-S	40.21	40.21	1780.93	-2.43	6.667
39-2-S	40.21	40.21	1780.72	-2.92	6.273
39-3-S	40.21	40.21	1780.40	-3.49	5.982
39-4-S	40.21	40.21	1780.06	-4.11	5.730
39-5-S	40.21	40.21	1779.69	-4.78	5.510
39-6-S	40.21	40.21	1779.54	-5.05	5.352
39-7-S	40.21	40.21	1779.87	-4.45	5.287
39-8-S	40.21	40.21	1780.21	-3.83	5.235
39-9-S	40.21	40.21	1780.54	-3.25	5.188
39-10-S	40.21	40.21	1780.83	-2.72	5.112
39-11-S	40.21	40.21	1781.26	-1.95	4.914
39-12-S	40.21	40.21	1782.23	-0.19	4.426
39-13-S	40.21	40.21	1783.07	1.35	3.944
39-14-S	40.21	40.21	1783.72	2.55	3.533
39-15-S	40.21	40.21	1784.20	3.45	3.184
39-16-S	40.21	40.21	1784.23	3.51	2.909
39-17-S	40.21	40.21	1784.21	3.48	2.691
39-18-S	40.21	40.21	1784.25	3.54	2.518
39-19-S	40.21	40.21	1784.33	3.69	2.375
39-20-S	40.21	40.21	2033.87	4.75	2.559
39-21-S	40.21	64.34	2795.20	8.61	3.307
39-22-S	40.21	80.42	3051.07	9.57	3.380
39-23-S	40.21	80.42	3050.25	8.68	3.173
39-24-S	40.21	80.42	3049.53	7.90	2.992
39-25-S	40.21	56.30	3041.02	7.27	2.834
39-26-S	40.21	40.21	3031.86	6.80	2.704
39-27-S	40.21	40.21	3031.52	6.43	2.598
39-28-S	40.21	40.21	-2934.93	-97.53	2.379
39-29-S	40.21	40.21	-2941.00	-91.01	2.176
39-30-S	40.21	40.21	-2946.10	-85.53	2.004
39-31-S	40.21	40.21	-2950.46	-80.84	1.857
39-32-S	40.21	40.21	-2953.76	-77.30	1.745
39-33-S	40.21	40.21	-2956.73	-74.11	1.634
39-34-S	40.21	40.21	-2959.49	-71.15	1.538
39-35-S	40.21	40.21	-2961.86	-68.60	1.458
39-36-S	40.21	40.21	-2964.34	-65.94	1.372
39-37-S	40.21	40.21	-2966.70	-63.40	1.288
39-38-S	40.21	40.21	-2967.33	-62.73	1.264
39-39-S	40.21	40.21	-2968.33	-61.65	1.248
39-40-S	40.21	40.21	-2971.34	-58.42	1.222
39-41-S	40.21	56.30	-4144.16	-76.42	1.722
39-42-S	40.21	56.30	-4735.26	-93.80	2.054
39-43-S	40.21	72.38	-7001.52	-146.85	3.154
39-44-S	40.21	80.42	4568.31	53.91	4.053
39-45-S	64.34	96.51	-11338.77	-243.46	5.786
39-46-S	64.34	104.55	-13352.14	-279.29	7.264
39-47-S	64.34	96.51	8595.36	0.00	7.458
39-48-S	64.34	88.47	8588.31	0.00	7.361
39-49-S	64.34	80.42	8580.34	0.00	7.268
39-50-S	64.34	64.34	8373.21	-114.10	6.827
39-51-S	64.34	56.30	8435.25	-69.61	5.904
39-52-S	64.34	56.30	-7736.49	142.31	3.302
39-53-S	64.34	56.30	-7665.53	98.67	2.168
39-54-S	64.34	56.30	-7631.97	78.26	1.677
39-55-S	64.34	56.30	-7613.79	67.20	1.440
39-56-S	64.34	56.30	-7629.08	76.50	1.698

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
39-57-S	64.34	56.30	-7665.69	98.77	2.293
39-58-S	64.34	56.30	8585.66	22.89	2.321
39-59-S	64.34	56.30	8595.42	29.07	2.107
39-60-S	64.34	64.34	8617.42	35.49	1.960
39-61-S	64.34	80.42	8647.18	41.81	1.837
39-62-S	64.34	88.47	8665.07	47.86	1.730
39-63-S	64.34	96.51	8682.55	54.19	1.643
39-64-S	64.34	104.55	8518.38	60.05	1.558
39-65-S	64.34	96.51	7971.97	60.12	1.414
39-66-S	64.34	80.42	7232.59	55.86	1.246
39-67-S	64.34	72.38	6500.75	51.02	1.109
39-68-S	80.42	56.30	6946.22	53.12	1.191
39-69-S	80.42	56.30	6048.89	44.94	1.043
39-70-S	80.42	40.21	6019.62	49.22	1.059
39-71-S	80.42	40.21	6022.95	53.01	1.092
39-72-S	80.42	40.21	6025.19	55.56	1.122
39-73-S	80.42	40.21	6026.75	57.33	1.159
39-74-S	80.42	40.21	6028.32	59.11	1.232
39-75-S	64.34	40.21	4848.33	49.09	1.051
39-76-S	64.34	40.21	4849.83	50.78	1.104
39-77-S	64.34	40.21	4851.50	52.66	1.159
39-78-S	64.34	40.21	4853.33	54.72	1.225
39-79-S	64.34	40.21	4855.36	57.00	1.307
39-80-S	64.34	40.21	4857.42	59.31	1.392
39-81-S	64.34	40.21	4859.82	62.02	1.490
39-82-S	40.21	40.21	3062.76	41.04	1.008
39-83-S	40.21	40.21	3064.84	43.34	1.090
39-84-S	40.21	40.21	3067.98	46.82	1.186
39-85-S	40.21	56.30	3083.08	53.36	1.306
39-86-S	40.21	80.42	3099.13	61.61	1.452
39-87-S	40.21	80.42	3108.21	71.43	1.630
39-88-S	40.21	80.42	3119.72	83.90	1.857
39-89-S	40.21	64.34	2859.04	84.32	1.964
39-90-S	40.21	40.21	2064.06	54.13	1.633
39-91-S	40.21	40.21	1809.65	50.73	1.644
39-92-S	40.21	40.21	1816.20	62.89	1.935
39-93-S	40.21	40.21	1825.53	80.22	2.362
39-94-S	40.21	40.21	1784.23	3.51	2.905
39-95-S	40.21	40.21	1784.19	3.43	3.172
39-96-S	40.21	40.21	1783.71	2.54	3.519
39-97-S	40.21	40.21	1783.06	1.34	3.929
39-98-S	40.21	40.21	-1830.45	90.06	4.254
39-99-S	40.21	40.21	-1812.51	56.48	3.379
39-100-S	40.21	40.21	-1806.48	45.19	3.511
39-101-S	40.21	40.21	-1802.23	37.22	4.048
39-102-S	40.21	40.21	-1796.81	27.09	4.893
39-103-S	40.21	40.21	1779.87	-4.45	5.277
39-104-S	40.21	40.21	1779.54	-5.05	5.345
39-105-S	40.21	40.21	1779.69	-4.78	5.503
39-106-S	40.21	40.21	1780.06	-4.12	5.723
39-107-S	40.21	40.21	1780.40	-3.50	5.976
39-108-S	40.21	40.21	1780.72	-2.93	6.265
39-109-S	40.21	40.21	1780.93	-2.43	6.659
40-1-S	40.21	40.21	1778.99	-6.04	8.143
40-2-S	40.21	40.21	1778.59	-6.76	7.755
40-3-S	40.21	40.21	1778.36	-7.17	7.386
40-4-S	40.21	40.21	1778.30	-7.28	7.042
40-5-S	40.21	40.21	1778.30	-7.28	6.720
40-6-S	40.21	40.21	1778.32	-7.24	6.408
40-7-S	40.21	40.21	1778.36	-7.18	6.126
40-8-S	40.21	40.21	1778.47	-6.98	5.905
40-9-S	40.21	40.21	1778.65	-6.65	5.740
40-10-S	40.21	40.21	1779.15	-5.75	5.567
40-11-S	40.21	40.21	1780.19	-3.87	5.188
40-12-S	40.21	40.21	1781.23	-1.99	4.789
40-13-S	40.21	40.21	1782.14	-0.36	4.441
40-14-S	40.21	40.21	1782.93	1.09	4.107
40-15-S	40.21	40.21	1783.36	1.90	3.740
40-16-S	40.21	40.21	1783.32	1.82	3.384
40-17-S	40.21	40.21	1783.27	1.72	3.077
40-18-S	40.21	40.21	1783.23	1.65	2.816
40-19-S	40.21	40.21	1783.19	1.59	2.590
40-20-S	40.21	64.34	2763.08	3.45	3.722
40-21-S	40.21	80.42	3045.64	3.68	3.822
40-22-S	40.21	80.42	3045.22	3.23	3.579
40-23-S	40.21	80.42	3044.95	2.94	3.369
40-24-S	40.21	56.30	3036.94	2.80	3.177
40-25-S	40.21	40.21	3028.13	2.67	3.003
40-26-S	40.21	40.21	3027.99	2.52	2.851
40-27-S	40.21	40.21	-2911.71	-122.47	2.614
40-28-S	40.21	40.21	-2921.35	-112.11	2.302
40-29-S	40.21	40.21	-2928.80	-104.10	2.068
40-30-S	40.21	40.21	-2934.78	-97.69	1.887
40-31-S	40.21	40.21	-2939.72	-92.38	1.743
40-32-S	40.21	40.21	-2944.25	-87.52	1.615
40-33-S	40.21	40.21	-2949.17	-82.23	1.468
40-34-S	40.21	56.30	-4115.28	-107.75	1.860
40-35-S	40.21	56.30	-4121.01	-101.54	1.694
40-36-S	40.21	56.30	-4125.85	-96.28	1.557
40-37-S	40.21	56.30	-4131.17	-90.51	1.446
40-38-S	64.34	56.30	-4160.05	-82.78	1.345
40-39-S	64.34	56.30	-4168.57	-73.65	1.259
40-40-S	64.34	64.34	-5993.12	-122.92	1.745

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
40-41-S	64.34	88.47	-10165.49	-229.12	2.845
40-42-S	64.34	112.59	-14315.79	-327.07	3.922
40-43-S	64.34	112.59	-14332.03	-316.98	4.146
40-44-S	64.34	104.55	-13339.10	-287.37	4.057
40-45-S	64.34	80.42	-10307.18	-220.98	3.369
40-46-S	64.34	56.30	-7231.44	-161.31	2.663
40-47-S	64.34	56.30	-7213.38	-172.02	3.002
40-48-S	64.34	56.30	-7191.83	-184.81	3.411
40-49-S	64.34	56.30	-7168.01	-198.94	3.980
40-50-S	64.34	56.30	-7150.72	-209.20	4.958
40-51-S	64.34	56.30	8217.15	-202.48	6.527
40-52-S	64.34	56.30	8370.66	-108.96	5.330
40-53-S	64.34	56.30	-7770.21	163.66	3.738
40-54-S	64.34	56.30	-7677.68	106.06	2.268
40-55-S	64.34	56.30	-7653.56	91.39	1.939
40-56-S	64.34	56.30	-7660.12	95.38	2.077
40-57-S	64.34	56.30	8591.75	26.74	2.412
40-58-S	64.34	56.30	8605.98	35.75	2.110
40-59-S	64.34	56.30	8631.23	51.74	1.895
40-60-S	64.34	56.30	8638.14	56.12	1.733
40-61-S	64.34	56.30	8646.06	61.13	1.592
40-62-S	64.34	56.30	8655.22	66.93	1.470
40-63-S	64.34	56.30	8662.38	71.47	1.374
40-64-S	64.34	56.30	8665.65	73.54	1.312
40-65-S	64.34	56.30	8670.99	76.91	1.256
40-66-S	64.34	80.42	8709.11	80.55	1.218
40-67-S	64.34	104.55	8739.05	85.17	1.213
40-68-S	64.34	112.59	8756.97	92.57	1.211
40-69-S	64.34	112.59	8770.72	101.06	1.214
40-70-S	64.34	88.47	7827.51	89.47	1.112
40-71-S	88.47	64.34	8657.83	89.57	1.270
40-72-S	88.47	56.30	6649.24	59.20	1.013
40-73-S	88.47	56.30	6656.23	67.04	1.080
40-74-S	88.47	56.30	6661.77	73.27	1.158
40-75-S	88.47	40.21	6619.05	75.88	1.224
40-76-S	88.47	40.21	6621.54	78.97	1.316
40-77-S	64.34	40.21	4858.57	60.61	1.046
40-78-S	64.34	40.21	4860.42	62.70	1.117
40-79-S	64.34	40.21	4862.49	65.03	1.196
40-80-S	64.34	40.21	4864.92	67.76	1.288
40-81-S	64.34	40.21	4867.55	70.72	1.384
40-82-S	64.34	40.21	4870.45	73.97	1.489
40-83-S	40.21	40.21	3069.93	48.99	1.017
40-84-S	40.21	40.21	3072.47	51.79	1.115
40-85-S	40.21	40.21	3075.57	55.23	1.236
40-86-S	40.21	40.21	3081.53	61.84	1.361
40-87-S	40.21	56.30	3098.90	70.69	1.514
40-88-S	40.21	80.42	3117.70	81.71	1.703
40-89-S	40.21	80.42	3130.53	95.61	1.942
40-90-S	40.21	80.42	3147.21	113.66	2.256
40-91-S	40.21	64.34	2885.54	115.75	2.443
40-92-S	40.21	40.21	1813.42	57.72	1.824
40-93-S	40.21	40.21	1821.28	72.32	2.237
40-94-S	40.21	40.21	1833.73	95.45	2.891
40-95-S	40.21	40.21	1783.34	1.87	3.381
40-96-S	40.21	40.21	1783.38	1.94	3.726
40-97-S	40.21	40.21	1782.95	1.13	4.092
40-98-S	40.21	40.21	1782.16	-0.32	4.427
40-99-S	40.21	40.21	1781.26	-1.95	4.777
40-100-S	40.21	40.21	1780.21	-3.84	5.180
40-101-S	40.21	40.21	-1819.25	69.10	4.935
40-102-S	40.21	40.21	-1813.35	58.05	5.543
40-103-S	40.21	40.21	1778.48	-6.95	5.903
40-104-S	40.21	40.21	1778.36	-7.16	6.124
40-105-S	40.21	40.21	1778.32	-7.23	6.406
40-106-S	40.21	40.21	1778.30	-7.27	6.717
40-107-S	40.21	40.21	1778.30	-7.28	7.038
40-108-S	40.21	40.21	1778.36	-7.17	7.381
40-109-S	40.21	40.21	1778.59	-6.76	7.749
40-110-S	40.21	40.21	1778.99	-6.03	8.135
41-1-S	40.21	40.21	1781.60	-1.34	10.294
41-2-S	40.21	40.21	1780.81	-2.75	9.859
41-3-S	40.21	40.21	1779.98	-4.25	9.455
41-4-S	40.21	40.21	1779.23	-5.61	9.095
41-5-S	40.21	40.21	1778.53	-6.86	8.756
41-6-S	40.21	40.21	1777.90	-8.00	8.315
41-7-S	40.21	40.21	1777.50	-8.72	7.907
41-8-S	40.21	40.21	1777.29	-9.09	7.526
41-9-S	40.21	40.21	1777.65	-8.45	7.133
41-10-S	40.21	40.21	1779.32	-5.44	6.557
41-11-S	40.21	40.21	1781.00	-2.41	6.019
41-12-S	40.21	40.21	1782.36	0.03	5.557
41-13-S	40.21	40.21	1783.36	1.90	5.150
41-14-S	40.21	40.21	1783.72	2.56	4.754
41-15-S	40.21	40.21	1783.56	2.27	4.364
41-16-S	40.21	40.21	1783.38	1.93	4.018
41-17-S	40.21	40.21	1783.25	1.69	3.703
41-18-S	40.21	40.21	1783.18	1.57	3.400
41-19-S	40.21	40.21	1783.17	1.55	3.114
41-20-S	40.21	80.42	3045.68	3.73	4.874
41-21-S	40.21	80.42	3044.82	2.80	4.485
41-22-S	40.21	80.42	3044.09	2.01	4.156
41-23-S	40.21	80.42	3043.46	1.33	3.868

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
41-24-S	40.21	40.21	3026.41	0.76	3.601
41-25-S	40.21	40.21	3026.06	0.37	3.390
41-26-S	40.21	40.21	3025.86	0.15	3.191
41-27-S	40.21	40.21	-2890.73	-145.00	2.782
41-28-S	40.21	40.21	-2902.80	-132.04	2.446
41-29-S	40.21	40.21	-2912.40	-121.72	2.183
41-30-S	40.21	40.21	-2920.13	-113.42	1.971
41-31-S	40.21	40.21	-2926.40	-106.68	1.798
41-32-S	40.21	40.21	-2933.33	-99.24	1.605
41-33-S	40.21	56.30	-4096.58	-128.04	1.973
41-34-S	40.21	56.30	-4104.50	-119.45	1.766
41-35-S	40.21	56.30	-4111.37	-112.00	1.601
41-36-S	40.21	56.30	-4121.15	-101.38	1.440
41-37-S	64.34	56.30	-4155.88	-87.23	1.283
41-38-S	64.34	56.30	-4166.85	-75.50	1.160
41-39-S	64.34	88.47	-9474.67	-217.58	2.384
41-40-S	64.34	112.59	-14297.63	-338.36	3.203
41-41-S	64.34	112.59	-14360.80	-299.10	2.917
41-42-S	64.34	112.59	-14408.32	-269.58	2.697
41-43-S	64.34	88.47	-11360.38	-218.67	2.098
41-44-S	64.34	56.30	-7255.31	-147.14	1.341
41-45-S	64.34	56.30	-7243.05	-154.41	1.360
41-46-S	64.34	56.30	-7183.29	-189.88	1.631
41-47-S	64.34	56.30	-7122.65	-225.86	1.947
41-48-S	64.34	56.30	-7041.77	-273.85	2.368
41-49-S	64.34	56.30	-6918.78	-346.83	2.949
41-50-S	64.34	56.30	-6707.78	-472.04	3.853
41-51-S	64.34	56.30	-6417.22	-644.45	5.253
41-52-S	64.34	56.30	7394.88	-703.42	5.913
41-53-S	64.34	56.30	7693.44	-521.54	4.821
41-54-S	64.34	56.30	8707.89	100.28	4.019
41-55-S	64.34	56.30	8364.17	-112.92	3.297
41-56-S	64.34	56.30	8532.39	-10.43	2.669
41-57-S	64.34	56.30	8611.61	39.32	2.282
41-58-S	64.34	56.30	8700.42	95.55	2.023
41-59-S	64.34	56.30	8799.59	158.34	1.828
41-60-S	64.34	56.30	8869.80	202.80	1.663
41-61-S	64.34	56.30	8871.01	203.57	1.515
41-62-S	64.34	56.30	8840.29	184.12	1.374
41-63-S	64.34	56.30	8802.00	159.87	1.242
41-64-S	64.34	56.30	8768.01	138.35	1.133
41-65-S	64.34	56.30	8745.26	123.95	1.051
41-66-S	80.42	56.30	10874.51	142.93	1.237
41-67-S	80.42	56.30	10858.40	132.67	1.190
41-68-S	80.42	56.30	10845.20	124.25	1.154
41-69-S	80.42	88.47	10901.02	121.29	1.169
41-70-S	80.42	112.59	10934.43	123.06	1.225
41-71-S	80.42	112.59	10942.84	128.28	1.283
41-72-S	80.42	112.59	10968.60	144.26	1.383
41-73-S	80.42	88.47	9085.11	114.35	1.253
41-74-S	96.51	56.30	7241.34	71.32	1.086
41-75-S	96.51	56.30	7250.59	82.59	1.187
41-76-S	80.42	56.30	6078.79	78.39	1.092
41-77-S	80.42	40.21	6049.13	82.77	1.182
41-78-S	64.34	40.21	4866.99	70.08	1.038
41-79-S	64.34	40.21	4869.83	73.27	1.129
41-80-S	64.34	40.21	4872.43	76.20	1.224
41-81-S	64.34	40.21	4875.08	79.18	1.327
41-82-S	64.34	40.21	4877.97	82.43	1.429
41-83-S	64.34	40.21	4881.34	86.23	1.549
41-84-S	40.21	40.21	3077.30	57.15	1.065
41-85-S	40.21	40.21	3080.37	60.55	1.173
41-86-S	40.21	40.21	3084.18	64.77	1.306
41-87-S	40.21	40.21	3090.41	71.67	1.447
41-88-S	40.21	40.21	3099.26	81.48	1.612
41-89-S	40.21	80.42	3129.08	94.03	1.830
41-90-S	40.21	80.42	3143.34	109.48	2.098
41-91-S	40.21	80.42	3162.36	130.07	2.458
41-92-S	40.21	80.42	3189.19	159.11	2.967
41-93-S	40.21	40.21	1818.91	67.92	2.079
41-94-S	40.21	40.21	1829.23	87.09	2.623
41-95-S	40.21	40.21	1844.95	116.28	3.485
41-96-S	40.21	40.21	1783.38	1.93	4.006
41-97-S	40.21	40.21	1783.56	2.27	4.359
41-98-S	40.21	40.21	1783.72	2.56	4.758
41-99-S	40.21	40.21	1783.36	1.90	5.163
41-100-S	40.21	40.21	1782.35	0.02	5.574
41-101-S	40.21	40.21	1780.99	-2.42	6.037
41-102-S	40.21	40.21	1779.31	-5.45	6.572
41-103-S	40.21	40.21	-1828.00	85.47	6.336
41-104-S	40.21	40.21	-1822.87	75.87	6.701
41-105-S	40.21	40.21	-1818.80	68.25	7.304
41-106-S	40.21	40.21	-1812.93	57.25	8.081
41-107-S	40.21	40.21	1778.53	-6.86	8.757
41-108-S	40.21	40.21	1779.23	-5.60	9.093
41-109-S	40.21	40.21	1779.98	-4.25	9.449
41-110-S	40.21	40.21	1780.82	-2.75	9.849
41-111-S	40.21	40.21	1781.60	-1.34	10.280
42-1-S	48.25	48.25	-2137.55	0.49	15.361
42-2-S	48.25	48.25	-2137.52	0.42	14.259
42-3-S	48.25	48.25	-2137.49	0.37	13.274
42-4-S	48.25	48.25	-2137.29	-0.01	12.407
42-5-S	48.25	48.25	-2136.94	-0.63	11.356

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
42-6-S	48.25	48.25	-2136.56	-1.32	9.337
42-7-S	48.25	48.25	-2136.20	-1.98	7.943
42-8-S	48.25	48.25	-2135.90	-2.51	6.890
42-9-S	48.25	48.25	-2135.64	-3.00	6.112
42-10-S	48.25	48.25	-2136.31	-1.77	5.828
42-11-S	48.25	48.25	-2137.45	0.30	5.976
42-12-S	48.25	48.25	-2138.12	1.55	6.474
42-13-S	48.25	48.25	-2138.38	2.03	7.499
42-14-S	48.25	48.25	2138.41	2.07	7.851
42-15-S	48.25	48.25	2138.25	1.78	7.060
42-16-S	48.25	48.25	2138.11	1.53	6.349
42-17-S	48.25	48.25	2138.01	1.33	5.738
42-18-S	48.25	48.25	2137.92	1.17	5.212
42-19-S	48.25	48.25	2137.85	1.04	4.760
42-20-S	48.25	96.51	3652.83	2.65	7.405
42-21-S	48.25	96.51	3652.40	2.19	6.789
42-22-S	48.25	96.51	3651.88	1.61	6.264
42-23-S	48.25	96.51	3651.27	0.96	5.810
42-24-S	48.25	48.25	-3385.23	-261.25	5.055
42-25-S	48.25	48.25	-3413.12	-231.28	4.538
42-26-S	48.25	48.25	-3434.31	-208.52	3.935
42-27-S	48.25	48.25	-3450.24	-191.41	3.453
42-28-S	48.25	48.25	-3462.87	-177.84	3.075
42-29-S	48.25	48.25	-3473.67	-166.23	2.765
42-30-S	48.25	48.25	-3483.36	-155.82	2.505
42-31-S	48.25	48.25	-3492.91	-145.56	2.256
42-32-S	48.25	48.25	-3505.12	-132.45	1.959
42-33-S	48.25	48.25	-3514.71	-122.15	1.730
42-34-S	48.25	48.25	-3522.35	-113.94	1.551
42-35-S	48.25	64.34	-4685.14	-142.23	1.866
42-36-S	48.25	64.34	-4705.10	-120.59	1.639
42-37-S	48.25	64.34	-4721.33	-103.00	1.456
42-38-S	48.25	104.55	-11052.66	-302.62	3.034
42-39-S	80.42	128.68	-16282.81	-429.10	3.787
42-40-S	80.42	128.68	-16402.87	-354.70	3.296
42-41-S	80.42	128.68	-16506.84	-290.26	2.683
42-42-S	80.42	96.51	-12504.83	-180.76	1.550
42-43-S	80.42	80.42	-10473.83	-135.22	1.082
42-44-S	80.42	80.42	-10475.81	-134.02	1.014
42-45-S	80.42	80.42	-10429.55	-162.23	1.124
42-46-S	80.42	64.34	-8274.16	-181.45	1.132
42-47-S	80.42	64.34	-8123.64	-270.66	1.546
42-48-S	80.42	64.34	-7845.64	-435.41	2.317
42-49-S	80.42	64.34	-7427.72	-683.08	3.129
42-50-S	80.42	64.34	-6742.50	-1089.17	4.485
42-51-S	80.42	64.34	10697.55	19.27	5.100
42-52-S	80.42	64.34	10723.82	35.93	4.932
42-53-S	80.42	64.34	10718.18	32.35	4.357
42-54-S	80.42	64.34	10713.46	29.36	3.935
42-55-S	80.42	64.34	10303.37	-222.30	3.092
42-56-S	80.42	64.34	10584.16	-50.73	2.563
42-57-S	80.42	64.34	10765.57	62.42	2.320
42-58-S	80.42	64.34	10925.57	163.90	2.164
42-59-S	80.42	64.34	11079.55	261.57	2.048
42-60-S	80.42	64.34	11233.00	358.91	1.964
42-61-S	80.42	64.34	11361.88	440.66	1.883
42-62-S	80.42	64.34	11233.18	359.02	1.633
42-63-S	80.42	64.34	11137.36	298.24	1.447
42-64-S	80.42	64.34	11059.50	248.86	1.303
42-65-S	80.42	64.34	10990.34	204.98	1.179
42-66-S	112.59	64.34	15194.19	226.06	1.390
42-67-S	112.59	64.34	15120.33	178.63	1.195
42-68-S	112.59	64.34	15059.71	139.70	1.041
42-69-S	112.59	64.34	15064.98	143.08	1.144
42-70-S	112.59	96.51	15176.84	153.25	1.319
42-71-S	112.59	128.68	15270.70	171.64	1.593
42-72-S	112.59	128.68	15315.08	199.25	1.813
42-73-S	112.59	128.68	15367.63	231.96	2.032
42-74-S	112.59	104.55	12724.82	188.93	1.896
42-75-S	112.59	64.34	8450.00	98.57	1.377
42-76-S	80.42	64.34	6095.15	82.24	1.091
42-77-S	80.42	64.34	6103.57	91.60	1.196
42-78-S	80.42	48.25	6078.39	95.15	1.292
42-79-S	80.42	48.25	6082.20	99.46	1.409
42-80-S	80.42	48.25	6086.39	104.17	1.549
42-81-S	48.25	48.25	3687.70	65.60	1.016
42-82-S	48.25	48.25	3690.10	68.26	1.100
42-83-S	48.25	48.25	3692.78	71.22	1.196
42-84-S	48.25	48.25	3695.88	74.65	1.309
42-85-S	48.25	48.25	3699.52	78.68	1.443
42-86-S	48.25	48.25	3703.34	82.91	1.585
42-87-S	48.25	48.25	3707.71	87.74	1.749
42-88-S	48.25	48.25	3715.07	95.89	1.950
42-89-S	48.25	96.51	3752.99	110.74	2.220
42-90-S	48.25	96.51	3771.15	130.34	2.554
42-91-S	48.25	96.51	3796.33	157.52	3.009
42-92-S	48.25	96.51	3833.18	197.29	3.667
42-93-S	48.25	48.25	2184.59	87.70	2.634
42-94-S	48.25	48.25	2200.56	117.31	3.307
42-95-S	48.25	48.25	2225.68	163.90	4.421
42-96-S	48.25	48.25	2138.11	1.52	6.336
42-97-S	48.25	48.25	2138.25	1.77	7.063
42-98-S	48.25	48.25	2138.41	2.07	7.873

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
42-99-S	48.25	48.25	-2138.37	2.02	7.456
42-100-S	48.25	48.25	-2138.12	1.54	6.455
42-101-S	48.25	48.25	-2200.22	117.54	4.993
42-102-S	48.25	48.25	-2181.51	82.60	4.327
42-103-S	48.25	48.25	-2172.57	65.90	4.373
42-104-S	48.25	48.25	-2168.37	58.05	5.108
42-105-S	48.25	48.25	-2162.80	47.65	6.231
42-106-S	48.25	48.25	-2154.43	32.01	7.916
42-107-S	48.25	48.25	-2140.25	5.52	10.976
42-108-S	48.25	48.25	-2137.29	0.00	12.393
42-109-S	48.25	48.25	-2137.49	0.37	13.258
42-110-S	48.25	48.25	-2137.52	0.43	14.239
42-111-S	48.25	48.25	-2137.56	0.50	15.338
43-1-S	40.21	40.21	-1782.00	-0.62	11.647
43-2-S	40.21	40.21	-1782.03	-0.56	10.455
43-3-S	40.21	40.21	-1782.06	-0.51	9.526
43-4-S	40.21	40.21	-1782.20	-0.25	8.791
43-5-S	40.21	40.21	-1782.44	0.20	8.061
43-6-S	40.21	40.21	-1782.71	0.70	6.822
43-7-S	40.21	40.21	-1782.99	1.21	5.951
43-8-S	40.21	40.21	-1783.22	1.64	5.275
43-9-S	40.21	40.21	-1783.43	2.05	4.767
43-10-S	40.21	40.21	-1782.92	1.08	4.623
43-11-S	40.21	40.21	-1781.99	-0.63	4.801
43-12-S	40.21	40.21	-1781.37	-1.75	5.275
43-13-S	40.21	40.21	-1781.05	-2.34	6.234
43-14-S	40.21	40.21	-1780.76	-2.86	7.549
43-15-S	40.21	40.21	-1780.53	-3.28	8.731
43-16-S	40.21	40.21	1780.62	-3.10	8.319
43-17-S	40.21	40.21	1780.81	-2.75	7.392
43-18-S	40.21	40.21	1780.98	-2.45	6.591
43-19-S	40.21	40.21	1781.12	-2.20	5.897
43-20-S	40.21	80.42	3037.28	-5.21	8.951
43-21-S	40.21	80.42	3038.17	-4.27	8.055
43-22-S	40.21	80.42	3038.99	-3.41	7.320
43-23-S	40.21	80.42	3039.79	-2.57	6.716
43-24-S	40.21	40.21	-2824.03	-215.92	4.228
43-25-S	40.21	40.21	-2848.40	-190.42	3.733
43-26-S	40.21	40.21	-2866.61	-170.91	3.210
43-27-S	40.21	40.21	-2880.57	-155.92	2.815
43-28-S	40.21	40.21	-2891.61	-144.06	2.505
43-29-S	40.21	40.21	-2900.60	-134.41	2.256
43-30-S	40.21	40.21	-2907.80	-126.67	2.043
43-31-S	40.21	40.21	-2913.30	-120.76	1.848
43-32-S	40.21	40.21	-2918.66	-115.00	1.677
43-33-S	40.21	56.30	-4077.02	-149.27	2.083
43-34-S	40.21	56.30	-4088.37	-136.95	1.835
43-35-S	40.21	56.30	-4098.45	-126.01	1.629
43-36-S	40.21	56.30	-4115.17	-107.87	1.419
43-37-S	72.38	56.30	-4156.48	-91.85	1.254
43-38-S	72.38	96.51	-10275.96	-282.42	2.744
43-39-S	72.38	128.68	-16241.12	-438.04	3.684
43-40-S	72.38	128.68	-16352.04	-369.01	3.216
43-41-S	72.38	128.68	-16450.07	-308.00	2.735
43-42-S	72.38	112.59	-14513.36	-219.96	1.860
43-43-S	72.38	72.38	-9408.99	-133.75	1.051
43-44-S	72.38	72.38	-9392.37	-143.89	1.050
43-45-S	72.38	72.38	-9350.69	-169.31	1.149
43-46-S	72.38	64.34	-8254.72	-189.42	1.201
43-47-S	72.38	64.34	-8127.48	-264.94	1.579
43-48-S	72.38	64.34	-7874.27	-415.23	2.148
43-49-S	72.38	64.34	-7482.32	-647.88	2.862
43-50-S	72.38	56.30	9613.08	7.32	3.133
43-51-S	72.38	56.30	9601.16	-0.25	2.885
43-52-S	72.38	56.30	9590.72	-6.62	2.641
43-53-S	72.38	56.30	9588.10	-8.23	2.413
43-54-S	72.38	56.30	9585.12	-10.05	2.237
43-55-S	72.38	56.30	9580.99	-12.57	2.112
43-56-S	72.38	56.30	9575.70	-15.81	2.026
43-57-S	72.38	56.30	9574.31	-16.65	2.036
43-58-S	72.38	56.30	9932.18	210.04	2.033
43-59-S	72.38	56.30	10104.73	319.65	1.947
43-60-S	72.38	56.30	10225.17	396.17	1.847
43-61-S	72.38	56.30	10292.29	438.81	1.734
43-62-S	72.38	56.30	10186.28	371.46	1.513
43-63-S	72.38	56.30	10070.43	297.87	1.322
43-64-S	72.38	56.30	9973.43	236.24	1.173
43-65-S	72.38	56.30	9892.27	184.69	1.053
43-66-S	88.47	56.30	11955.97	166.46	1.053
43-67-S	104.55	56.30	14020.78	157.11	1.076
43-68-S	104.55	56.30	13992.14	138.67	1.025
43-69-S	104.55	56.30	13983.26	132.96	1.057
43-70-S	88.47	88.47	11952.90	119.25	1.021
43-71-S	88.47	112.59	12022.30	139.97	1.268
43-72-S	88.47	112.59	12060.14	163.51	1.437
43-73-S	88.47	112.59	12103.43	190.44	1.600
43-74-S	88.47	88.47	10017.99	154.10	1.484
43-75-S	88.47	56.30	6668.18	80.47	1.081
43-76-S	88.47	56.30	6679.05	92.68	1.191
43-77-S	72.38	56.30	5493.83	83.87	1.074
43-78-S	72.38	40.21	5468.96	87.10	1.163
43-79-S	72.38	40.21	5472.47	91.06	1.273
43-80-S	72.38	40.21	5475.82	94.86	1.389

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
43-81-S	72.38	40.21	5478.86	98.29	1.500
43-82-S	72.38	40.21	5482.20	102.07	1.629
43-83-S	40.21	40.21	3079.71	59.82	1.000
43-84-S	40.21	40.21	3082.50	62.91	1.099
43-85-S	40.21	40.21	3085.57	66.31	1.203
43-86-S	40.21	40.21	3088.76	69.84	1.320
43-87-S	40.21	40.21	3092.30	73.77	1.458
43-88-S	40.21	40.21	3096.84	78.80	1.626
43-89-S	40.21	80.42	3125.56	90.22	1.851
43-90-S	40.21	80.42	3141.14	107.08	2.131
43-91-S	40.21	80.42	3162.51	130.23	2.513
43-92-S	40.21	80.42	3193.55	163.84	3.065
43-93-S	40.21	40.21	1821.69	73.08	2.206
43-94-S	40.21	40.21	1835.04	97.87	2.771
43-95-S	40.21	40.21	1856.05	136.91	3.707
43-96-S	40.21	40.21	1895.95	210.99	5.554
43-97-S	40.21	40.21	-1780.61	-3.13	8.579
43-98-S	40.21	40.21	-1780.83	-2.74	7.437
43-99-S	40.21	40.21	-1781.10	-2.25	6.171
43-100-S	40.21	40.21	-1781.41	-1.69	5.243
43-101-S	40.21	40.21	-1834.67	97.95	4.165
43-102-S	40.21	40.21	-1819.20	69.00	3.611
43-103-S	40.21	40.21	-1811.81	55.17	3.650
43-104-S	40.21	40.21	-1808.29	48.58	4.262
43-105-S	40.21	40.21	-1803.64	39.86	5.197
43-106-S	40.21	40.21	-1796.63	26.76	6.600
43-107-S	40.21	40.21	-1782.45	0.21	8.055
43-108-S	40.21	40.21	-1782.21	-0.23	8.785
43-109-S	40.21	40.21	-1782.07	-0.49	9.518
43-110-S	40.21	40.21	-1782.04	-0.54	10.445
43-111-S	40.21	40.21	-1782.01	-0.61	11.633
44-1-S	40.21	40.21	-1783.03	1.29	11.270
44-2-S	40.21	40.21	-1783.76	2.66	10.185
44-3-S	40.21	40.21	-1784.48	4.01	9.312
44-4-S	40.21	40.21	-1785.07	5.11	8.582
44-5-S	40.21	40.21	-1785.57	6.04	7.948
44-6-S	40.21	40.21	-1785.95	6.76	7.255
44-7-S	40.21	40.21	-1786.15	7.13	6.687
44-8-S	40.21	40.21	-1786.21	7.24	6.214
44-9-S	40.21	40.21	-1785.90	6.67	5.869
44-10-S	40.21	40.21	-1784.76	4.53	5.880
44-11-S	40.21	40.21	-1783.40	1.98	5.974
44-12-S	40.21	40.21	-1782.06	-0.50	6.117
44-13-S	40.21	40.21	-1780.76	-2.86	6.338
44-14-S	40.21	40.21	-1779.96	-4.30	6.849
44-15-S	40.21	40.21	-1779.68	-4.82	7.798
44-16-S	40.21	40.21	-1779.41	-5.31	9.058
44-17-S	40.21	40.21	-1635.79	-265.41	8.012
44-18-S	40.21	40.21	-1662.71	-216.66	6.583
44-19-S	40.21	40.21	-1684.40	-177.37	5.490
44-20-S	40.21	80.42	3042.24	0.00	11.604
44-21-S	40.21	80.42	3042.24	0.00	9.955
44-22-S	40.21	80.42	3042.24	0.00	8.719
44-23-S	40.21	80.42	3042.24	0.00	7.758
44-24-S	40.21	40.21	-2851.05	-187.62	3.904
44-25-S	40.21	40.21	-2871.42	-165.75	3.451
44-26-S	40.21	40.21	-2885.52	-150.60	3.009
44-27-S	40.21	40.21	-2896.59	-138.70	2.668
44-28-S	40.21	40.21	-2905.53	-129.11	2.398
44-29-S	40.21	40.21	-2912.93	-121.16	2.179
44-30-S	40.21	40.21	-2920.24	-113.30	1.958
44-31-S	40.21	40.21	-2926.29	-106.80	1.771
44-32-S	40.21	40.21	-2931.16	-101.58	1.618
44-33-S	40.21	56.30	-4090.65	-134.47	2.062
44-34-S	40.21	56.30	-4101.42	-122.79	1.804
44-35-S	40.21	56.30	-4109.96	-113.53	1.607
44-36-S	40.21	56.30	-4118.18	-104.61	1.445
44-37-S	64.34	56.30	-4153.41	-89.88	1.273
44-38-S	64.34	56.30	-4165.62	-76.82	1.138
44-39-S	64.34	88.47	-9471.42	-219.98	2.321
44-40-S	64.34	112.59	-14316.84	-326.42	3.066
44-41-S	64.34	112.59	-14385.28	-283.89	2.805
44-42-S	64.34	112.59	-14413.68	-266.25	2.750
44-43-S	64.34	88.47	-11375.01	-209.66	2.188
44-44-S	64.34	56.30	-7260.26	-144.20	1.448
44-45-S	64.34	56.30	-7226.12	-164.46	1.562
44-46-S	64.34	56.30	-7187.90	-187.14	1.738
44-47-S	64.34	56.30	-7145.05	-212.57	1.988
44-48-S	64.34	56.30	-7085.58	-247.85	2.325
44-49-S	64.34	56.30	8550.18	0.42	2.406
44-50-S	64.34	56.30	8530.74	-11.43	2.168
44-51-S	64.34	56.30	8513.84	-21.73	1.973
44-52-S	64.34	56.30	8498.65	-30.98	1.801
44-53-S	64.34	56.30	8485.32	-39.11	1.600
44-54-S	64.34	56.30	8477.05	-44.15	1.479
44-55-S	64.34	56.30	8472.68	-46.81	1.415
44-56-S	64.34	56.30	8471.32	-47.64	1.389
44-57-S	64.34	56.30	8474.39	-45.77	1.406
44-58-S	64.34	56.30	8482.84	-40.62	1.482
44-59-S	64.34	56.30	8494.89	-33.28	1.604
44-60-S	64.34	56.30	8778.16	144.77	1.648
44-61-S	64.34	56.30	8781.46	146.87	1.494
44-62-S	64.34	56.30	8776.12	143.48	1.359

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
44-63-S	64.34	56.30	8748.71	126.13	1.230
44-64-S	64.34	56.30	8731.12	114.99	1.129
44-65-S	64.34	56.30	8721.94	109.18	1.049
44-66-S	64.34	56.30	8718.24	106.84	1.002
44-67-S	80.42	56.30	10852.57	128.95	1.213
44-68-S	80.42	56.30	10840.94	121.54	1.194
44-69-S	80.42	88.47	10891.53	115.34	1.205
44-70-S	80.42	112.59	10925.46	117.48	1.231
44-71-S	80.42	112.59	10942.36	127.97	1.275
44-72-S	80.42	112.59	10972.28	146.55	1.376
44-73-S	80.42	88.47	9092.52	119.90	1.256
44-74-S	96.51	56.30	7243.56	74.03	1.087
44-75-S	96.51	56.30	7252.19	84.54	1.183
44-76-S	80.42	56.30	6079.93	79.66	1.089
44-77-S	80.42	40.21	6050.26	84.06	1.176
44-78-S	64.34	40.21	4868.13	71.37	1.033
44-79-S	64.34	40.21	4870.88	74.46	1.124
44-80-S	64.34	40.21	4873.20	77.07	1.213
44-81-S	64.34	40.21	4875.90	80.10	1.316
44-82-S	64.34	40.21	4878.95	83.54	1.431
44-83-S	64.34	40.21	4882.17	87.16	1.555
44-84-S	40.21	40.21	3077.68	57.56	1.067
44-85-S	40.21	40.21	3080.55	60.74	1.171
44-86-S	40.21	40.21	3084.03	64.61	1.299
44-87-S	40.21	40.21	3088.54	69.61	1.451
44-88-S	40.21	40.21	3095.95	77.82	1.619
44-89-S	40.21	80.42	3125.90	90.59	1.837
44-90-S	40.21	80.42	3140.40	106.29	2.105
44-91-S	40.21	80.42	3159.87	127.37	2.465
44-92-S	40.21	80.42	3187.10	156.85	2.971
44-93-S	40.21	40.21	1818.56	67.28	2.081
44-94-S	40.21	40.21	1828.89	86.45	2.632
44-95-S	40.21	40.21	1844.62	115.68	3.502
44-96-S	40.21	40.21	1871.93	166.40	5.065
44-97-S	40.21	40.21	-1779.74	-4.70	7.702
44-98-S	40.21	40.21	-1780.02	-4.21	6.772
44-99-S	40.21	40.21	-1780.80	-2.79	6.277
44-100-S	40.21	40.21	-1782.09	-0.45	6.068
44-101-S	40.21	40.21	-1783.42	2.02	5.935
44-102-S	40.21	40.21	-1784.77	4.54	5.848
44-103-S	40.21	40.21	-1785.90	6.66	5.843
44-104-S	40.21	40.21	-1786.20	7.23	6.190
44-105-S	40.21	40.21	-1786.15	7.13	6.665
44-106-S	40.21	40.21	-1785.95	6.76	7.237
44-107-S	40.21	40.21	-1785.57	6.04	7.937
44-108-S	40.21	40.21	-1785.07	5.11	8.570
44-109-S	40.21	40.21	-1784.48	4.01	9.299
44-110-S	40.21	40.21	-1783.76	2.66	10.171
44-111-S	40.21	40.21	-1783.03	1.29	11.254
45-1-S	40.21	40.21	-1786.69	8.14	11.048
45-2-S	40.21	40.21	-1787.02	8.75	10.107
45-3-S	40.21	40.21	-1787.17	9.04	9.366
45-4-S	40.21	40.21	-1787.16	9.02	8.773
45-5-S	40.21	40.21	-1787.09	8.89	8.260
45-6-S	40.21	40.21	-1786.87	8.49	7.578
45-7-S	40.21	40.21	-1786.59	7.96	6.886
45-8-S	40.21	40.21	-1786.15	7.13	6.140
45-9-S	40.21	40.21	-1785.63	6.15	5.417
45-10-S	40.21	40.21	-1784.95	4.89	4.848
45-11-S	40.21	40.21	-1784.22	3.52	4.913
45-12-S	40.21	40.21	-1783.39	1.97	5.180
45-13-S	40.21	40.21	-1782.46	0.22	5.456
45-14-S	40.21	40.21	-1781.32	-1.85	5.940
45-15-S	40.21	40.21	-1780.11	-4.05	7.259
45-16-S	40.21	40.21	-1655.06	-230.52	6.928
45-17-S	40.21	40.21	-1678.29	-188.43	5.802
45-18-S	40.21	40.21	-1695.15	-157.91	4.980
45-19-S	40.21	40.21	-1707.96	-134.70	4.354
45-20-S	40.21	64.34	-4023.84	-409.16	8.876
45-21-S	40.21	80.42	3042.24	0.00	9.731
45-22-S	40.21	80.42	3042.24	0.00	8.564
45-23-S	40.21	80.42	3042.24	0.00	7.657
45-24-S	40.21	56.30	-4021.68	-209.31	4.833
45-25-S	40.21	40.21	-2902.62	-132.23	3.092
45-26-S	40.21	40.21	-2912.16	-121.99	2.748
45-27-S	40.21	40.21	-2919.57	-114.02	2.481
45-28-S	40.21	40.21	-2925.55	-107.60	2.268
45-29-S	40.21	40.21	-2930.56	-102.22	2.090
45-30-S	40.21	40.21	-2936.91	-95.40	1.893
45-31-S	40.21	40.21	-2942.30	-89.61	1.735
45-32-S	40.21	40.21	-2946.81	-84.77	1.606
45-33-S	40.21	40.21	-2950.68	-80.61	1.493
45-34-S	40.21	56.30	-4118.22	-104.56	1.874
45-35-S	40.21	56.30	-4125.39	-96.78	1.674
45-36-S	40.21	56.30	-4130.59	-91.14	1.549
45-37-S	40.21	56.30	-4136.30	-84.95	1.456
45-38-S	64.34	56.30	-4166.46	-75.91	1.358
45-39-S	64.34	56.30	-4176.16	-65.54	1.266
45-40-S	64.34	64.34	-6009.32	-109.18	1.759
45-41-S	64.34	88.47	-10202.45	-203.74	2.901
45-42-S	64.34	112.59	-14376.87	-289.12	4.002
45-43-S	64.34	112.59	8583.93	-13.93	3.802
45-44-S	64.34	104.55	8569.10	-19.52	3.456

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
45-45-S	64.34	80.42	8542.02	-23.14	3.155
45-46-S	64.34	56.30	-7279.37	-132.87	2.627
45-47-S	64.34	56.30	8502.62	-28.57	2.579
45-48-S	64.34	56.30	8493.56	-34.09	2.297
45-49-S	64.34	56.30	8485.97	-38.71	2.069
45-50-S	64.34	56.30	8478.56	-43.23	1.876
45-51-S	64.34	56.30	8472.74	-46.77	1.669
45-52-S	64.34	56.30	8473.25	-46.46	1.366
45-53-S	64.34	56.30	8474.05	-45.97	1.156
45-54-S	64.34	56.30	8474.97	-45.41	1.002
45-55-S	72.38	72.38	9545.53	-50.24	1.006
45-56-S	72.38	56.30	9523.31	-47.83	1.044
45-57-S	64.34	56.30	8481.38	-41.51	1.022
45-58-S	64.34	56.30	8480.33	-42.15	1.168
45-59-S	64.34	56.30	8475.74	-44.94	1.396
45-60-S	64.34	56.30	8476.06	-44.75	1.615
45-61-S	64.34	56.30	8635.56	54.48	1.592
45-62-S	64.34	56.30	8640.37	57.53	1.462
45-63-S	64.34	56.30	8640.27	57.46	1.372
45-64-S	64.34	56.30	8642.09	58.62	1.309
45-65-S	64.34	56.30	8645.55	60.81	1.258
45-66-S	64.34	80.42	8681.85	63.50	1.218
45-67-S	64.34	104.55	8712.27	68.56	1.198
45-68-S	64.34	112.59	8731.63	76.91	1.191
45-69-S	64.34	112.59	8746.40	86.03	1.203
45-70-S	64.34	88.47	7810.93	77.96	1.110
45-71-S	88.47	64.34	8646.28	79.56	1.276
45-72-S	88.47	56.30	6643.71	52.99	1.020
45-73-S	88.47	56.30	6650.46	60.57	1.077
45-74-S	88.47	56.30	6656.76	67.64	1.152
45-75-S	88.47	40.21	6615.45	71.43	1.216
45-76-S	88.47	40.21	6618.46	75.16	1.297
45-77-S	64.34	40.21	4856.48	58.26	1.026
45-78-S	64.34	40.21	4859.22	61.35	1.110
45-79-S	64.34	40.21	4861.11	63.47	1.189
45-80-S	64.34	40.21	4863.59	66.26	1.278
45-81-S	64.34	40.21	4866.68	69.73	1.379
45-82-S	64.34	40.21	4870.33	73.84	1.500
45-83-S	40.21	40.21	3070.20	49.28	1.033
45-84-S	40.21	40.21	3072.43	51.75	1.134
45-85-S	40.21	40.21	3075.68	55.35	1.248
45-86-S	40.21	40.21	3081.32	61.60	1.372
45-87-S	40.21	56.30	3098.37	70.11	1.523
45-88-S	40.21	80.42	3116.72	80.65	1.710
45-89-S	40.21	80.42	3128.89	93.82	1.943
45-90-S	40.21	80.42	3144.86	111.11	2.249
45-91-S	40.21	64.34	2883.24	113.02	2.426
45-92-S	40.21	40.21	1812.73	56.44	1.810
45-93-S	40.21	40.21	1820.42	70.73	2.220
45-94-S	40.21	40.21	1832.62	93.38	2.870
45-95-S	40.21	40.21	1854.99	134.93	4.060
45-96-S	40.21	40.21	1906.23	230.09	6.837
45-97-S	40.21	40.21	-1781.29	-1.90	5.877
45-98-S	40.21	40.21	-1782.42	0.16	5.408
45-99-S	40.21	40.21	-1783.36	1.91	5.145
45-100-S	40.21	40.21	-1784.19	3.47	4.889
45-101-S	40.21	40.21	-1784.93	4.84	4.831
45-102-S	40.21	40.21	-1785.60	6.10	5.397
45-103-S	40.21	40.21	-1786.13	7.09	6.117
45-104-S	40.21	40.21	-1786.57	7.92	6.862
45-105-S	40.21	40.21	-1786.85	8.44	7.557
45-106-S	40.21	40.21	-1787.07	8.85	8.242
45-107-S	40.21	40.21	-1787.14	8.98	8.757
45-108-S	40.21	40.21	-1787.15	9.00	9.350
45-109-S	40.21	40.21	-1787.00	8.72	10.093
45-110-S	40.21	40.21	-1786.67	8.11	11.034
46-1-S	40.21	40.21	-1784.61	4.37	11.752
46-2-S	40.21	40.21	-1785.06	5.08	10.715
46-3-S	40.21	40.21	-1785.46	5.84	9.851
46-4-S	40.21	40.21	-1785.87	6.60	9.066
46-5-S	40.21	40.21	-1786.26	7.33	8.355
46-6-S	40.21	40.21	-1786.04	6.93	7.267
46-7-S	40.21	40.21	-1784.98	4.93	5.778
46-8-S	40.21	40.21	-1784.24	3.56	4.782
46-9-S	40.21	40.21	-1783.74	2.61	4.092
46-10-S	40.21	40.21	-1783.39	1.97	3.619
46-11-S	40.21	40.21	-1783.09	1.39	3.422
46-12-S	40.21	40.21	-1782.45	0.21	3.786
46-13-S	40.21	40.21	-1781.53	-1.46	4.485
46-14-S	40.21	40.21	-1780.18	-3.92	5.559
46-15-S	40.21	40.21	-1660.31	-221.00	6.497
46-16-S	40.21	40.21	-1678.45	-188.15	5.500
46-17-S	40.21	40.21	-1695.68	-156.95	4.746
46-18-S	40.21	40.21	-1709.36	-132.17	4.187
46-19-S	40.21	40.21	-1720.43	-112.12	3.752
46-20-S	40.21	40.21	-1954.02	-122.52	3.828
46-21-S	40.21	64.34	-4163.62	-291.33	7.090
46-22-S	40.21	80.42	-5660.02	-348.38	8.180
46-23-S	40.21	80.42	-5712.62	-290.45	7.149
46-24-S	40.21	80.42	-5749.15	-250.21	6.413
46-25-S	40.21	56.30	-4069.14	-157.81	4.141
46-26-S	40.21	40.21	-2929.30	-103.57	2.741
46-27-S	40.21	40.21	-2935.90	-96.48	2.538

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
46-28-S	40.21	40.21	-2940.51	-91.53	2.359
46-29-S	40.21	40.21	-2945.09	-86.62	2.173
46-30-S	40.21	40.21	-2951.06	-80.20	1.971
46-31-S	40.21	40.21	-2955.64	-75.28	1.820
46-32-S	40.21	40.21	-2959.25	-71.40	1.706
46-33-S	40.21	40.21	-2962.18	-68.25	1.617
46-34-S	40.21	40.21	-2964.66	-65.59	1.548
46-35-S	40.21	40.21	-2967.09	-62.98	1.488
46-36-S	40.21	40.21	-2969.63	-60.25	1.424
46-37-S	40.21	40.21	-2972.21	-57.48	1.355
46-38-S	40.21	40.21	-2974.20	-55.34	1.315
46-39-S	40.21	40.21	-2976.75	-52.61	1.289
46-40-S	40.21	40.21	-2980.78	-48.27	1.253
46-41-S	40.21	56.30	3027.02	-7.81	1.474
46-42-S	40.21	56.30	3467.50	-11.25	1.535
46-43-S	40.21	72.38	4022.91	-16.30	1.631
46-44-S	40.21	80.42	4462.32	-21.59	1.644
46-45-S	64.34	96.51	7813.72	-45.41	2.604
46-46-S	64.34	104.55	8507.45	-56.50	2.587
46-47-S	64.34	96.51	8495.71	-59.90	2.351
46-48-S	64.34	88.47	8489.05	-59.79	2.086
46-49-S	64.34	80.42	8482.43	-59.12	1.866
46-50-S	64.34	64.34	8464.94	-58.40	1.687
46-51-S	64.34	56.30	8458.58	-55.40	1.480
46-52-S	64.34	56.30	8468.79	-49.18	1.231
46-53-S	64.34	56.30	8475.94	-44.82	1.059
46-54-S	80.42	56.30	10565.42	-52.02	1.169
46-55-S	80.42	56.30	10568.55	-50.11	1.088
46-56-S	80.42	56.30	10564.09	-52.84	1.168
46-57-S	64.34	56.30	8474.62	-45.63	1.046
46-58-S	64.34	56.30	8467.52	-49.96	1.219
46-59-S	64.34	56.30	8459.46	-54.86	1.449
46-60-S	64.34	64.34	8463.55	-59.25	1.727
46-61-S	64.34	80.42	8627.63	29.58	1.835
46-62-S	64.34	88.47	8642.53	33.80	1.726
46-63-S	64.34	96.51	8655.25	37.22	1.625
46-64-S	64.34	104.55	8487.72	40.66	1.524
46-65-S	64.34	96.51	7946.94	43.19	1.397
46-66-S	64.34	80.42	7213.89	41.89	1.243
46-67-S	64.34	72.38	6486.68	39.34	1.108
46-68-S	80.42	56.30	6934.92	42.08	1.192
46-69-S	80.42	56.30	6041.21	36.36	1.047
46-70-S	80.42	40.21	6011.92	40.47	1.058
46-71-S	80.42	40.21	6015.44	44.47	1.091
46-72-S	80.42	40.21	6017.99	47.37	1.122
46-73-S	80.42	40.21	6019.92	49.56	1.152
46-74-S	80.42	40.21	6022.08	52.02	1.211
46-75-S	64.34	40.21	4843.85	44.05	1.033
46-76-S	64.34	40.21	4846.07	46.55	1.094
46-77-S	64.34	40.21	4848.52	49.30	1.157
46-78-S	64.34	40.21	4850.99	52.08	1.229
46-79-S	64.34	40.21	4852.91	54.25	1.316
46-80-S	64.34	40.21	4855.14	56.75	1.411
46-81-S	64.34	40.21	4857.72	59.65	1.516
46-82-S	40.21	40.21	3061.54	39.69	1.028
46-83-S	40.21	40.21	3063.83	42.22	1.109
46-84-S	40.21	40.21	3068.57	47.47	1.206
46-85-S	40.21	56.30	3083.82	54.17	1.325
46-86-S	40.21	80.42	3099.43	61.93	1.469
46-87-S	40.21	80.42	3107.80	70.99	1.643
46-88-S	40.21	80.42	3118.32	82.38	1.863
46-89-S	40.21	64.34	2856.98	81.88	1.959
46-90-S	40.21	40.21	2062.93	52.27	1.624
46-91-S	40.21	40.21	1808.72	48.99	1.634
46-92-S	40.21	40.21	1815.06	60.77	1.921
46-93-S	40.21	40.21	1824.10	77.55	2.344
46-94-S	40.21	40.21	1837.88	103.15	3.019
46-95-S	40.21	40.21	1854.10	133.27	3.930
46-96-S	40.21	40.21	1858.69	141.79	4.774
46-97-S	40.21	40.21	-1781.48	-1.57	4.486
46-98-S	40.21	40.21	-1782.41	0.13	3.781
46-99-S	40.21	40.21	-1812.07	55.66	3.382
46-100-S	40.21	40.21	-1806.19	44.64	3.513
46-101-S	40.21	40.21	-1802.08	36.95	4.051
46-102-S	40.21	40.21	-1784.21	3.50	4.774
46-103-S	40.21	40.21	-1784.94	4.87	5.767
46-104-S	40.21	40.21	-1786.01	6.87	7.249
46-105-S	40.21	40.21	-1786.22	7.27	8.334
46-106-S	40.21	40.21	-1785.83	6.54	9.044
46-107-S	40.21	40.21	-1785.43	5.79	9.830
46-108-S	40.21	40.21	-1785.03	5.03	10.694
46-109-S	40.21	40.21	-1784.59	4.33	11.733
47-1-S	40.21	40.21	-1780.32	0.09	16.452
47-2-S	40.21	40.21	-1783.07	1.37	10.648
47-3-S	40.21	40.21	-1783.84	2.81	9.499
47-4-S	40.21	40.21	-1784.48	4.00	8.589
47-5-S	40.21	40.21	-1785.08	5.14	7.887
47-6-S	40.21	40.21	-1785.39	5.70	7.102
47-7-S	40.21	40.21	-1785.05	5.07	6.258
47-8-S	40.21	40.21	-1784.62	4.27	5.647
47-9-S	40.21	40.21	-1784.27	3.62	5.151
47-10-S	40.21	40.21	-1783.90	2.91	4.754
47-11-S	40.21	40.21	-1783.09	1.40	4.841

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
47-12-S	40.21	40.21	-1781.90	-0.79	5.239
47-13-S	40.21	40.21	-1780.35	-3.60	5.727
47-14-S	40.21	40.21	-1778.47	-7.01	6.207
47-15-S	40.21	40.21	-1707.30	-135.90	5.436
47-16-S	40.21	40.21	-1718.46	-115.69	4.704
47-17-S	40.21	40.21	-1727.00	-100.22	4.143
47-18-S	40.21	40.21	-1733.18	-89.03	3.714
47-19-S	40.21	40.21	-1737.70	-80.85	3.382
47-20-S	40.21	40.21	-1740.42	-75.92	3.123
47-21-S	40.21	48.25	-2633.35	-135.40	4.345
47-22-S	40.21	64.34	-4220.46	-223.84	6.208
47-23-S	40.21	80.42	-5717.68	-284.88	7.518
47-24-S	40.21	80.42	-5749.08	-250.29	6.812
47-25-S	40.21	72.38	-5209.62	-199.82	5.615
47-26-S	40.21	56.30	-4086.46	-139.02	4.037
47-27-S	40.21	40.21	-2942.49	-89.41	2.690
47-28-S	40.21	40.21	-2949.91	-81.44	2.559
47-29-S	40.21	40.21	-2955.64	-75.28	2.449
47-30-S	40.21	40.21	-2960.04	-70.56	2.328
47-31-S	40.21	40.21	-2963.67	-66.65	2.207
47-32-S	40.21	40.21	-2966.97	-63.11	2.095
47-33-S	40.21	40.21	-2969.97	-59.89	1.992
47-34-S	40.21	40.21	-2972.31	-57.38	1.923
47-35-S	40.21	40.21	-2973.83	-55.74	1.899
47-36-S	40.21	40.21	-2975.11	-54.37	1.892
47-37-S	40.21	40.21	3013.81	-12.73	1.783
47-38-S	40.21	40.21	3013.97	-12.56	1.637
47-39-S	40.21	40.21	3013.97	-12.56	1.510
47-40-S	40.21	40.21	3013.95	-12.58	1.378
47-41-S	40.21	40.21	3013.95	-12.58	1.266
47-42-S	40.21	40.21	3013.87	-12.66	1.171
47-43-S	40.21	40.21	3013.71	-12.83	1.070
47-44-S	64.34	40.21	4785.72	-20.58	1.533
47-45-S	64.34	40.21	4785.49	-20.84	1.396
47-46-S	64.34	40.21	4784.03	-22.42	1.278
47-47-S	64.34	40.21	5518.10	-27.29	1.346
47-48-S	64.34	48.25	5528.82	-28.84	1.243
47-49-S	64.34	48.25	6261.66	-34.41	1.306
47-50-S	64.34	56.30	6272.41	-34.75	1.206
47-51-S	64.34	56.30	6272.14	-34.98	1.116
47-52-S	64.34	48.25	6994.63	-38.97	1.153
47-53-S	64.34	48.25	6995.87	-38.05	1.090
47-54-S	64.34	40.21	6982.21	-38.00	1.081
47-55-S	64.34	48.25	6995.28	-38.49	1.095
47-56-S	64.34	48.25	6831.04	-38.56	1.112
47-57-S	64.34	56.30	6272.28	-34.86	1.084
47-58-S	64.34	56.30	6272.74	-34.48	1.172
47-59-S	64.34	48.25	6262.02	-34.11	1.283
47-60-S	64.34	48.25	5529.00	-28.67	1.234
47-61-S	64.34	40.21	5518.22	-27.18	1.348
47-62-S	64.34	40.21	4817.19	14.05	1.108
47-63-S	64.34	40.21	4819.07	16.17	1.068
47-64-S	64.34	40.21	4821.27	18.64	1.048
47-65-S	64.34	40.21	4823.18	20.79	1.029
47-66-S	64.34	40.21	4824.80	22.61	1.011
47-67-S	64.34	40.21	4826.68	24.74	1.015
47-68-S	64.34	40.21	4828.08	26.31	1.026
47-69-S	64.34	40.21	4829.44	27.84	1.038
47-70-S	64.34	40.21	4830.68	29.23	1.057
47-71-S	64.34	40.21	4831.99	30.71	1.078
47-72-S	64.34	40.21	4833.43	32.33	1.099
47-73-S	64.34	40.21	4834.96	34.04	1.132
47-74-S	64.34	40.21	4836.57	35.86	1.190
47-75-S	64.34	40.21	4838.38	37.89	1.249
47-76-S	64.34	40.21	4840.38	40.15	1.311
47-77-S	64.34	40.21	4842.61	42.65	1.376
47-78-S	64.34	40.21	4844.25	44.50	1.447
47-79-S	64.34	40.21	4845.90	46.36	1.525
47-80-S	40.21	40.21	3053.30	30.55	1.018
47-81-S	40.21	40.21	3055.10	32.55	1.083
47-82-S	40.21	56.30	3067.59	36.38	1.168
47-83-S	40.21	72.38	3079.06	42.32	1.279
47-84-S	40.21	80.42	3087.89	49.44	1.412
47-85-S	40.21	80.42	3096.04	58.26	1.575
47-86-S	40.21	64.34	2837.12	58.33	1.623
47-87-S	40.21	48.25	2315.66	46.83	1.501
47-88-S	40.21	40.21	1799.26	31.43	1.296
47-89-S	40.21	40.21	1800.96	34.59	1.451
47-90-S	40.21	40.21	1803.67	39.61	1.656
47-91-S	40.21	40.21	1807.54	46.79	1.938
47-92-S	40.21	40.21	1812.98	56.90	2.317
47-93-S	40.21	40.21	1818.14	66.49	2.662
47-94-S	40.21	40.21	1820.73	71.30	2.985
47-95-S	40.21	40.21	1820.77	71.38	3.357
47-96-S	40.21	40.21	1820.17	70.26	3.820
47-97-S	40.21	40.21	1818.73	67.58	4.375
47-98-S	40.21	40.21	-1783.88	2.88	4.755
47-99-S	40.21	40.21	-1784.26	3.59	5.149
47-100-S	40.21	40.21	1798.32	29.68	5.535
47-101-S	40.21	40.21	1787.63	9.82	5.900
47-102-S	40.21	40.21	1778.36	-7.16	6.223
47-103-S	40.21	40.21	1775.05	-13.13	6.517
47-104-S	40.21	40.21	1774.23	-14.61	6.830

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
47-105-S	40.21	40.21	1773.93	-15.15	7.109
47-106-S	40.21	40.21	1773.77	-15.44	7.395
47-107-S	24.13	24.13	1064.48	-10.48	6.823
48-1-S	40.21	40.21	-1779.36	-0.68	19.140
48-2-S	40.21	40.21	-1782.74	0.75	10.951
48-3-S	40.21	40.21	-1783.92	2.95	9.944
48-4-S	40.21	40.21	-1784.89	4.78	9.102
48-5-S	40.21	40.21	-1785.72	6.32	8.390
48-6-S	40.21	40.21	-1786.10	7.05	7.831
48-7-S	40.21	40.21	-1785.58	6.07	7.282
48-8-S	40.21	40.21	-1784.16	3.41	6.848
48-9-S	40.21	40.21	-1782.68	0.63	6.480
48-10-S	40.21	40.21	-1781.31	-1.87	6.147
48-11-S	40.21	40.21	-1780.06	-4.12	5.845
48-12-S	40.21	40.21	-1779.00	-6.05	5.508
48-13-S	40.21	40.21	-1778.19	-7.52	5.105
48-14-S	40.21	40.21	-1741.69	-73.61	5.492
48-15-S	40.21	40.21	-1738.35	-79.67	5.024
48-16-S	40.21	40.21	-1734.30	-87.01	4.659
48-17-S	40.21	40.21	-1731.75	-91.62	4.319
48-18-S	40.21	40.21	-1729.75	-95.25	4.020
48-19-S	40.21	40.21	-1729.72	-95.30	3.725
48-20-S	40.21	40.21	-1737.62	-81.00	3.338
48-21-S	40.21	40.21	-1744.46	-68.61	3.013
48-22-S	40.21	48.25	-2374.38	-89.74	3.705
48-23-S	40.21	64.34	-3894.27	-155.23	5.462
48-24-S	40.21	72.38	-5198.21	-212.32	6.572
48-25-S	40.21	80.42	3003.33	-40.95	5.869
48-26-S	40.21	72.38	3005.57	-36.43	4.974
48-27-S	40.21	56.30	3003.20	-33.07	4.310
48-28-S	40.21	48.25	-3537.65	-90.65	3.605
48-29-S	40.21	40.21	-2963.05	-67.32	2.879
48-30-S	40.21	40.21	-2969.26	-60.65	2.730
48-31-S	40.21	40.21	-2973.02	-56.61	2.629
48-32-S	40.21	40.21	3004.22	-22.98	2.455
48-33-S	40.21	40.21	3005.39	-21.73	2.211
48-34-S	40.21	40.21	3006.34	-20.71	2.010
48-35-S	40.21	40.21	3007.16	-19.84	1.840
48-36-S	40.21	40.21	3007.88	-19.07	1.688
48-37-S	40.21	40.21	3008.43	-18.48	1.539
48-38-S	40.21	40.21	3008.86	-18.02	1.406
48-39-S	40.21	40.21	3009.22	-17.64	1.294
48-40-S	40.21	40.21	3009.52	-17.31	1.199
48-41-S	40.21	40.21	3009.79	-17.02	1.116
48-42-S	40.21	40.21	3010.13	-16.66	1.032
48-43-S	56.30	40.21	4193.58	-22.68	1.325
48-44-S	56.30	40.21	4194.01	-22.22	1.228
48-45-S	56.30	40.21	4194.38	-21.82	1.145
48-46-S	56.30	40.21	4194.76	-21.41	1.069
48-47-S	56.30	40.21	4195.12	-21.02	1.010
48-48-S	72.38	40.21	5367.67	-26.46	1.227
48-49-S	72.38	40.21	5368.01	-26.09	1.174
48-50-S	72.38	40.21	5368.36	-25.72	1.129
48-51-S	72.38	40.21	5368.63	-25.42	1.095
48-52-S	72.38	40.21	5368.83	-25.20	1.071
48-53-S	72.38	40.21	5368.87	-25.16	1.068
48-54-S	72.38	40.21	5368.77	-25.27	1.090
48-55-S	72.38	40.21	5368.60	-25.45	1.124
48-56-S	72.38	40.21	5368.42	-25.65	1.162
48-57-S	72.38	40.21	5368.17	-25.92	1.215
48-58-S	56.30	40.21	4195.55	-20.56	1.003
48-59-S	56.30	40.21	4195.12	-21.02	1.071
48-60-S	56.30	40.21	4194.51	-21.67	1.159
48-61-S	56.30	40.21	4225.42	12.12	1.164
48-62-S	56.30	40.21	4226.30	13.11	1.145
48-63-S	56.30	40.21	4227.20	14.11	1.125
48-64-S	56.30	40.21	4228.11	15.13	1.105
48-65-S	56.30	40.21	4229.04	16.18	1.085
48-66-S	56.30	40.21	4229.98	17.23	1.082
48-67-S	56.30	40.21	4230.90	18.26	1.096
48-68-S	56.30	40.21	4231.92	19.39	1.110
48-69-S	56.30	40.21	4233.06	20.68	1.124
48-70-S	56.30	40.21	4234.25	22.01	1.139
48-71-S	56.30	40.21	4235.47	23.37	1.156
48-72-S	56.30	40.21	4236.62	24.66	1.198
48-73-S	56.30	40.21	4237.92	26.11	1.246
48-74-S	56.30	40.21	4239.43	27.80	1.297
48-75-S	56.30	40.21	4241.29	29.89	1.352
48-76-S	40.21	40.21	3046.68	23.22	1.014
48-77-S	40.21	48.25	3053.81	25.66	1.071
48-78-S	40.21	56.30	3060.74	28.88	1.132
48-79-S	40.21	72.38	3070.31	32.81	1.200
48-80-S	40.21	80.42	3076.58	37.19	1.275
48-81-S	40.21	72.38	3079.20	42.47	1.369
48-82-S	40.21	64.34	2565.30	35.04	1.258
48-83-S	40.21	48.25	2050.98	26.98	1.118
48-84-S	40.21	40.21	1795.77	24.95	1.094
48-85-S	40.21	40.21	1798.56	30.13	1.238
48-86-S	40.21	40.21	1802.00	36.52	1.422
48-87-S	40.21	40.21	1802.54	37.51	1.576
48-88-S	40.21	40.21	1802.37	37.20	1.745
48-89-S	40.21	40.21	1801.85	36.23	1.930
48-90-S	40.21	40.21	1800.56	33.85	2.122

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
48-91-S	40.21	40.21	1799.30	31.50	2.336
48-92-S	40.21	40.21	1797.89	28.88	2.525
48-93-S	40.21	40.21	1795.44	24.33	2.668
48-94-S	40.21	40.21	1793.84	21.35	2.848
48-95-S	40.21	40.21	1792.36	18.62	3.065
48-96-S	40.21	40.21	1790.64	15.41	3.314
48-97-S	40.21	40.21	1788.60	11.63	3.602
48-98-S	40.21	40.21	1786.06	6.90	3.908
48-99-S	40.21	40.21	1783.38	1.93	4.143
48-100-S	40.21	40.21	1782.38	0.08	4.360
48-101-S	40.21	40.21	1780.95	-2.50	4.582
48-102-S	40.21	40.21	1779.36	-5.37	4.829
48-103-S	40.21	40.21	1777.59	-8.56	5.107
48-104-S	24.13	24.13	1066.46	-5.48	5.547
49-1-S	32.17	32.17	-1423.07	-1.60	17.429
49-2-S	32.17	32.17	-1425.67	-2.56	9.159
49-3-S	40.21	40.21	-1780.30	-3.69	10.321
49-4-S	40.21	40.21	-1779.98	-4.28	9.821
49-5-S	40.21	40.21	-1779.69	-4.80	9.360
49-6-S	40.21	40.21	-1779.42	-5.28	8.936
49-7-S	40.21	40.21	-1778.91	-6.21	8.472
49-8-S	40.21	40.21	-1778.14	-7.60	7.735
49-9-S	40.21	40.21	-1777.70	-8.41	6.447
49-10-S	40.21	40.21	-1777.63	-8.53	5.343
49-11-S	40.21	40.21	-1777.59	-8.61	4.562
49-12-S	40.21	40.21	-1777.54	-8.68	3.987
49-13-S	40.21	40.21	-1777.28	-9.17	3.703
49-14-S	40.21	40.21	-1775.90	-11.67	4.170
49-15-S	40.21	40.21	-1744.81	-67.98	5.052
49-16-S	40.21	40.21	-1738.30	-79.77	4.836
49-17-S	40.21	40.21	-1732.57	-90.14	4.659
49-18-S	40.21	40.21	-1731.04	-92.90	4.393
49-19-S	40.21	40.21	-1736.75	-82.56	3.951
49-20-S	40.21	40.21	-1745.17	-67.31	3.488
49-21-S	40.21	40.21	-1751.84	-55.24	3.120
49-22-S	40.21	40.21	-1755.26	-49.04	2.929
49-23-S	40.21	40.21	-1993.53	-59.60	3.210
49-24-S	40.21	56.30	2265.19	-29.69	3.987
49-25-S	40.21	64.34	2512.12	-33.07	3.834
49-26-S	40.21	72.38	2758.38	-36.62	3.706
49-27-S	40.21	80.42	3003.93	-40.31	3.596
49-28-S	40.21	72.38	3004.56	-37.50	3.229
49-29-S	40.21	56.30	3001.24	-35.15	2.885
49-30-S	40.21	48.25	2999.26	-33.26	2.606
49-31-S	40.21	40.21	2996.28	-31.46	2.364
49-32-S	40.21	40.21	2997.86	-29.78	2.157
49-33-S	40.21	40.21	2999.37	-28.16	1.967
49-34-S	40.21	40.21	3000.69	-26.75	1.796
49-35-S	40.21	40.21	3001.79	-25.57	1.650
49-36-S	40.21	40.21	3002.76	-24.54	1.524
49-37-S	40.21	40.21	3003.62	-23.62	1.409
49-38-S	40.21	40.21	3004.36	-22.83	1.305
49-39-S	40.21	40.21	3005.01	-22.13	1.211
49-40-S	40.21	40.21	3005.58	-21.52	1.130
49-41-S	40.21	40.21	3006.07	-21.00	1.062
49-42-S	40.21	40.21	3006.50	-20.55	1.002
49-43-S	56.30	40.21	4188.62	-28.03	1.321
49-44-S	56.30	40.21	4189.17	-27.43	1.248
49-45-S	56.30	40.21	4189.62	-26.95	1.194
49-46-S	56.30	40.21	4189.98	-26.56	1.151
49-47-S	56.30	40.21	4190.32	-26.20	1.112
49-48-S	56.30	40.21	4190.63	-25.87	1.077
49-49-S	56.30	40.21	4190.87	-25.60	1.050
49-50-S	56.30	40.21	4190.93	-25.53	1.044
49-51-S	56.30	40.21	4190.97	-25.50	1.041
49-52-S	56.30	40.21	4191.00	-25.46	1.041
49-53-S	56.30	40.21	4191.02	-25.44	1.043
49-54-S	56.30	40.21	4190.88	-25.59	1.063
49-55-S	56.30	40.21	4190.57	-25.93	1.103
49-56-S	56.30	40.21	4190.18	-26.34	1.152
49-57-S	56.30	40.21	4189.76	-26.80	1.205
49-58-S	56.30	40.21	4189.34	-27.25	1.259
49-59-S	56.30	40.21	4188.92	-27.71	1.314
49-60-S	56.30	40.21	4188.41	-28.26	1.381
49-61-S	56.30	40.21	4223.31	9.76	1.380
49-62-S	56.30	40.21	4224.23	10.79	1.349
49-63-S	56.30	40.21	4225.24	11.92	1.318
49-64-S	56.30	40.21	4226.08	12.87	1.311
49-65-S	56.30	40.21	4226.83	13.70	1.324
49-66-S	56.30	40.21	4227.70	14.67	1.335
49-67-S	56.30	40.21	4228.65	15.74	1.346
49-68-S	56.30	40.21	4229.74	16.96	1.356
49-69-S	56.30	40.21	4231.07	18.45	1.367
49-70-S	40.21	40.21	3038.86	14.55	1.011
49-71-S	40.21	40.21	3040.29	16.14	1.044
49-72-S	40.21	48.25	3046.95	18.10	1.079
49-73-S	40.21	56.30	3052.85	20.23	1.117
49-74-S	40.21	72.38	3060.92	22.60	1.159
49-75-S	40.21	80.42	3065.84	25.55	1.212
49-76-S	40.21	72.38	2811.42	24.97	1.178
49-77-S	40.21	64.34	2556.53	23.65	1.135
49-78-S	40.21	56.30	2301.34	21.63	1.084
49-79-S	40.21	40.21	2042.56	18.97	1.020

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
49-80-S	48.25	40.21	2142.94	19.00	1.134
49-81-S	40.21	40.21	1792.14	18.20	1.027
49-82-S	40.21	40.21	1794.31	22.23	1.148
49-83-S	40.21	40.21	1796.96	27.16	1.294
49-84-S	40.21	40.21	1798.99	30.93	1.454
49-85-S	40.21	40.21	1799.30	31.49	1.617
49-86-S	40.21	40.21	1798.43	29.88	1.799
49-87-S	40.21	40.21	1797.01	27.24	2.009
49-88-S	40.21	40.21	1794.91	23.34	2.243
49-89-S	40.21	40.21	1791.96	17.87	2.468
49-90-S	40.21	40.21	1788.42	11.30	2.539
49-91-S	40.21	40.21	1784.87	4.69	2.577
49-92-S	40.21	40.21	1781.17	-2.10	2.621
49-93-S	40.21	40.21	1777.30	-9.08	2.674
49-94-S	40.21	40.21	1773.66	-15.64	2.770
49-95-S	40.21	40.21	1771.50	-19.52	2.925
49-96-S	40.21	40.21	1771.00	-20.42	3.089
49-97-S	40.21	40.21	1771.34	-19.82	3.255
49-98-S	40.21	40.21	1771.71	-19.14	3.440
49-99-S	40.21	40.21	1772.13	-18.39	3.646
49-100-S	32.17	32.17	1419.08	-14.41	3.256
49-101-S	16.08	16.08	710.12	-6.82	3.221
50-1-S	32.17	32.17	-1414.00	-17.24	24.522
50-2-S	32.17	32.17	-1413.84	-22.10	12.418
50-3-S	40.21	40.21	-1766.64	-28.44	12.165
50-4-S	40.21	40.21	-1767.95	-26.07	11.221
50-5-S	40.21	40.21	-1769.29	-23.64	10.370
50-6-S	40.21	40.21	-1770.44	-21.56	9.639
50-7-S	40.21	40.21	-1771.66	-19.34	8.509
50-8-S	40.21	40.21	-1772.85	-17.19	6.965
50-9-S	40.21	40.21	-1773.55	-15.92	5.986
50-10-S	40.21	40.21	-1773.98	-15.15	5.445
50-11-S	40.21	40.21	-1774.24	-14.68	5.166
50-12-S	40.21	40.21	-1774.12	-14.89	5.032
50-13-S	40.21	40.21	-1771.84	-19.02	5.535
50-14-S	40.21	40.21	-1765.24	-30.96	5.526
50-15-S	40.21	40.21	-1759.97	-40.52	5.191
50-16-S	40.21	40.21	-1755.65	-48.33	4.908
50-17-S	40.21	40.21	-1751.46	-55.92	4.667
50-18-S	40.21	40.21	-1751.45	-55.95	4.315
50-19-S	40.21	40.21	-1752.24	-54.51	4.028
50-20-S	40.21	40.21	-1753.01	-53.11	3.859
50-21-S	40.21	40.21	1769.19	-23.69	3.426
50-22-S	40.21	40.21	1770.15	-21.97	3.030
50-23-S	40.21	40.21	1771.08	-20.29	2.677
50-24-S	40.21	40.21	1771.85	-18.89	2.390
50-25-S	40.21	48.25	2020.03	-22.62	2.439
50-26-S	40.21	48.25	2264.91	-26.02	2.414
50-27-S	40.21	56.30	2512.33	-29.60	2.399
50-28-S	40.21	64.34	2516.36	-27.73	2.177
50-29-S	40.21	72.38	2762.85	-31.49	2.186
50-30-S	40.21	72.38	3006.54	-35.41	2.192
50-31-S	40.21	64.34	3005.84	-33.51	2.003
50-32-S	40.21	56.30	3004.46	-31.73	1.820
50-33-S	40.21	48.25	3001.99	-30.35	1.673
50-34-S	40.21	40.21	2998.29	-29.32	1.553
50-35-S	40.21	40.21	2998.94	-28.62	1.458
50-36-S	40.21	40.21	2999.39	-28.14	1.380
50-37-S	40.21	40.21	2999.90	-27.59	1.309
50-38-S	40.21	40.21	3000.54	-26.91	1.241
50-39-S	40.21	40.21	3001.15	-26.26	1.178
50-40-S	40.21	40.21	3001.72	-25.65	1.121
50-41-S	40.21	40.21	3002.27	-25.07	1.067
50-42-S	40.21	40.21	3002.78	-24.52	1.017
50-43-S	48.25	40.21	3594.71	-28.89	1.177
50-44-S	48.25	40.21	3594.95	-28.63	1.148
50-45-S	48.25	40.21	3595.18	-28.38	1.122
50-46-S	48.25	40.21	3595.37	-28.18	1.100
50-47-S	48.25	40.21	3595.51	-28.03	1.081
50-48-S	48.25	40.21	3595.49	-28.05	1.081
50-49-S	48.25	40.21	3595.40	-28.15	1.091
50-50-S	48.25	40.21	3595.31	-28.25	1.102
50-51-S	48.25	40.21	3595.28	-28.28	1.111
50-52-S	48.25	40.21	3595.28	-28.28	1.120
50-53-S	48.25	40.21	3595.24	-28.32	1.135
50-54-S	48.25	40.21	3594.76	-28.83	1.176
50-55-S	40.21	40.21	3002.75	-24.55	1.021
50-56-S	40.21	40.21	3002.27	-25.06	1.066
50-57-S	40.21	40.21	3001.75	-25.61	1.115
50-58-S	40.21	40.21	3001.21	-26.20	1.168
50-59-S	40.21	40.21	3031.41	6.30	1.181
50-60-S	40.21	40.21	3031.91	6.85	1.152
50-61-S	40.21	40.21	3033.02	8.09	1.150
50-62-S	40.21	40.21	3034.30	9.51	1.155
50-63-S	40.21	40.21	3035.59	10.93	1.161
50-64-S	40.21	48.25	3041.75	12.38	1.167
50-65-S	40.21	56.30	3047.01	13.83	1.174
50-66-S	40.21	64.34	3051.56	15.29	1.180
50-67-S	40.21	72.38	3055.81	17.06	1.212
50-68-S	40.21	72.38	2803.86	16.03	1.149
50-69-S	40.21	64.34	2549.78	14.88	1.080
50-70-S	40.21	56.30	2548.50	16.70	1.117
50-71-S	40.21	48.25	2293.97	15.35	1.041

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
50-72-S	48.25	48.25	2445.71	16.71	1.150
50-73-S	48.25	40.21	2140.33	14.13	1.057
50-74-S	48.25	40.21	2140.80	15.00	1.114
50-75-S	48.25	40.21	2141.38	16.08	1.179
50-76-S	40.21	40.21	1790.12	14.44	1.044
50-77-S	40.21	40.21	1790.54	15.23	1.107
50-78-S	40.21	40.21	1790.88	15.85	1.173
50-79-S	40.21	40.21	1791.02	16.12	1.244
50-80-S	40.21	40.21	1791.02	16.12	1.345
50-81-S	40.21	40.21	1790.08	14.37	1.459
50-82-S	40.21	40.21	1789.00	12.38	1.586
50-83-S	40.21	40.21	1787.58	9.73	1.736
50-84-S	40.21	40.21	1785.96	6.73	1.901
50-85-S	40.21	40.21	1784.03	3.14	2.080
50-86-S	40.21	40.21	1782.03	-0.56	2.207
50-87-S	40.21	40.21	1779.76	-4.64	2.332
50-88-S	40.21	40.21	1776.97	-9.67	2.440
50-89-S	40.21	40.21	1773.68	-15.60	2.526
50-90-S	40.21	40.21	1770.76	-20.87	2.587
50-91-S	40.21	40.21	1769.58	-22.98	2.670
50-92-S	40.21	40.21	1769.27	-23.55	2.770
50-93-S	40.21	40.21	1768.93	-24.16	2.878
50-94-S	40.21	40.21	1768.69	-24.59	3.004
50-95-S	32.17	32.17	1415.07	-19.77	3.087
50-96-S	16.08	16.08	707.73	-9.62	3.271
51-1-S	24.13	24.13	1067.72	0.00	23.356
51-2-S	24.13	24.13	1069.98	0.00	11.092
51-3-S	40.21	40.21	1782.23	0.00	11.976
51-4-S	40.21	40.21	-1833.31	95.40	11.360
51-5-S	40.21	40.21	-1831.01	91.10	10.705
51-6-S	40.21	40.21	1764.10	-32.86	10.087
51-7-S	40.21	40.21	1766.04	-29.36	9.108
51-8-S	40.21	40.21	1768.05	-25.74	7.942
51-9-S	40.21	40.21	1769.88	-22.45	6.880
51-10-S	40.21	40.21	1771.35	-19.80	6.017
51-11-S	40.21	40.21	1771.14	-20.18	5.358
51-12-S	40.21	40.21	1770.58	-21.18	4.844
51-13-S	40.21	40.21	1770.15	-21.95	4.408
51-14-S	40.21	40.21	1769.67	-22.83	4.087
51-15-S	40.21	40.21	1768.69	-24.58	3.983
51-16-S	40.21	40.21	1767.50	-26.73	3.960
51-17-S	40.21	40.21	1766.50	-28.53	3.908
51-18-S	40.21	40.21	1766.73	-28.12	3.659
51-19-S	40.21	40.21	1767.87	-26.06	3.285
51-20-S	40.21	40.21	1768.87	-24.26	2.966
51-21-S	40.21	40.21	1769.78	-22.62	2.680
51-22-S	40.21	40.21	1770.72	-20.94	2.397
51-23-S	40.21	40.21	1771.66	-19.24	2.123
51-24-S	40.21	40.21	1772.42	-17.87	1.898
51-25-S	40.21	40.21	1773.13	-16.60	1.701
51-26-S	40.21	40.21	1773.71	-15.55	1.539
51-27-S	40.21	40.21	1774.16	-14.73	1.408
51-28-S	40.21	40.21	2019.39	-18.33	1.496
51-29-S	40.21	48.25	2022.94	-18.03	1.415
51-30-S	40.21	48.25	2267.87	-21.85	1.479
51-31-S	40.21	56.30	2271.23	-21.21	1.383
51-32-S	40.21	56.30	2515.75	-25.26	1.436
51-33-S	40.21	56.30	2516.24	-24.64	1.351
51-34-S	40.21	56.30	2759.93	-28.99	1.399
51-35-S	40.21	56.30	2760.50	-28.33	1.324
51-36-S	40.21	56.30	3003.62	-32.62	1.368
51-37-S	40.21	48.25	3000.70	-31.72	1.306
51-38-S	40.21	56.30	3005.15	-31.00	1.259
51-39-S	40.21	48.25	3002.05	-30.28	1.217
51-40-S	40.21	48.25	3002.64	-29.66	1.182
51-41-S	40.21	48.25	3003.12	-29.15	1.151
51-42-S	40.21	40.21	2998.61	-28.97	1.129
51-43-S	40.21	40.21	2998.57	-29.02	1.113
51-44-S	40.21	40.21	2998.53	-29.06	1.099
51-45-S	40.21	40.21	2998.53	-29.05	1.091
51-46-S	40.21	40.21	2998.52	-29.07	1.091
51-47-S	40.21	40.21	2998.58	-29.00	1.095
51-48-S	40.21	40.21	2998.70	-28.87	1.102
51-49-S	40.21	40.21	2998.87	-28.69	1.109
51-50-S	40.21	40.21	2999.05	-28.51	1.119
51-51-S	40.21	48.25	3003.29	-28.97	1.147
51-52-S	40.21	48.25	3002.74	-29.56	1.178
51-53-S	40.21	48.25	3002.16	-30.17	1.212
51-54-S	40.21	56.30	3005.26	-30.89	1.252
51-55-S	40.21	48.25	3000.80	-31.62	1.298
51-56-S	40.21	56.30	3003.70	-32.53	1.358
51-57-S	40.21	56.30	2762.92	6.71	1.280
51-58-S	40.21	56.30	2729.14	7.83	1.266
51-59-S	40.21	56.30	2416.37	7.32	1.126
51-60-S	40.21	56.30	2417.06	8.26	1.131
51-61-S	48.25	56.30	2519.51	8.55	1.183
51-62-S	48.25	48.25	2515.88	9.29	1.184
51-63-S	48.25	48.25	2328.44	8.18	1.099
51-64-S	48.25	40.21	2303.32	9.02	1.097
51-65-S	48.25	40.21	2137.40	8.66	1.043
51-66-S	48.25	40.21	2138.48	10.67	1.085
51-67-S	48.25	40.21	2139.67	12.90	1.132
51-68-S	48.25	40.21	2140.94	15.26	1.182

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
51-69-S	40.21	40.21	1790.36	14.90	1.033
51-70-S	40.21	40.21	1791.02	16.12	1.091
51-71-S	40.21	40.21	1790.72	15.57	1.167
51-72-S	40.21	40.21	1790.00	14.23	1.242
51-73-S	40.21	40.21	1788.94	12.26	1.318
51-74-S	40.21	40.21	1787.54	9.65	1.394
51-75-S	40.21	40.21	1785.60	6.06	1.441
51-76-S	40.21	40.21	1783.17	1.53	1.450
51-77-S	40.21	40.21	1780.60	-3.14	1.454
51-78-S	40.21	40.21	1778.39	-7.12	1.478
51-79-S	40.21	40.21	1777.04	-9.55	1.552
51-80-S	40.21	40.21	1776.16	-11.14	1.632
51-81-S	40.21	40.21	1775.52	-12.29	1.702
51-82-S	40.21	40.21	1775.22	-12.83	1.778
51-83-S	40.21	40.21	1775.28	-12.72	1.886
51-84-S	40.21	40.21	1774.49	-14.15	2.011
51-85-S	40.21	40.21	1772.82	-17.15	2.141
51-86-S	40.21	40.21	1771.59	-19.36	2.260
51-87-S	40.21	40.21	1771.14	-20.18	2.365
51-88-S	40.21	40.21	1770.79	-20.81	2.472
51-89-S	40.21	40.21	1770.35	-21.40	2.614
51-90-S	24.13	24.13	1062.56	-13.36	2.414
51-91-S	8.04	8.04	354.93	-4.65	1.697
52-1-S	16.08	16.08	703.58	-15.26	13.014
52-2-S	16.08	16.08	706.12	-14.38	5.859
52-3-S	32.17	32.17	1411.02	-27.11	7.047
52-4-S	40.21	40.21	1764.38	-32.36	6.636
52-5-S	40.21	40.21	1764.85	-31.51	6.101
52-6-S	40.21	40.21	1765.52	-30.29	5.581
52-7-S	40.21	40.21	1766.52	-28.50	5.079
52-8-S	40.21	40.21	1766.96	-27.70	4.667
52-9-S	40.21	40.21	1767.09	-27.48	4.365
52-10-S	40.21	40.21	1767.25	-27.18	4.127
52-11-S	40.21	40.21	1767.20	-27.27	3.958
52-12-S	40.21	40.21	1766.36	-28.79	3.914
52-13-S	40.21	40.21	1765.43	-30.46	3.888
52-14-S	40.21	40.21	1764.72	-31.73	3.830
52-15-S	40.21	40.21	1764.29	-32.52	3.738
52-16-S	40.21	40.21	1764.50	-32.14	3.557
52-17-S	40.21	40.21	1766.41	-28.71	3.076
52-18-S	40.21	40.21	1768.05	-25.74	2.671
52-19-S	40.21	40.21	1769.46	-23.21	2.335
52-20-S	40.21	40.21	1770.62	-21.12	2.062
52-21-S	40.21	40.21	1771.49	-19.55	1.851
52-22-S	40.21	40.21	1771.89	-18.82	1.720
52-23-S	40.21	40.21	1772.13	-18.40	1.618
52-24-S	40.21	40.21	1772.20	-18.27	1.544
52-25-S	40.21	40.21	1772.25	-18.18	1.477
52-26-S	40.21	40.21	1772.31	-18.06	1.413
52-27-S	40.21	40.21	1772.41	-17.89	1.350
52-28-S	40.21	40.21	1772.73	-17.32	1.268
52-29-S	40.21	40.21	1773.21	-16.45	1.180
52-30-S	40.21	40.21	1773.64	-15.67	1.105
52-31-S	40.21	40.21	1774.05	-14.94	1.041
52-32-S	48.25	40.21	2123.37	-17.03	1.178
52-33-S	48.25	40.21	2123.74	-16.36	1.123
52-34-S	48.25	40.21	2123.96	-15.97	1.087
52-35-S	48.25	40.21	2124.15	-15.62	1.054
52-36-S	48.25	40.21	2124.31	-15.33	1.024
52-37-S	48.25	40.21	2418.21	-19.45	1.134
52-38-S	48.25	40.21	2418.38	-19.18	1.105
52-39-S	48.25	48.25	2423.48	-19.01	1.081
52-40-S	48.25	48.25	2423.39	-19.15	1.077
52-41-S	48.25	48.25	2423.32	-19.26	1.079
52-42-S	48.25	48.25	2423.29	-19.31	1.080
52-43-S	48.25	40.21	2418.32	-19.28	1.078
52-44-S	48.25	48.25	2423.27	-19.34	1.082
52-45-S	48.25	48.25	2423.28	-19.32	1.082
52-46-S	48.25	48.25	2423.34	-19.24	1.081
52-47-S	48.25	48.25	2423.42	-19.10	1.085
52-48-S	48.25	40.21	2418.33	-19.27	1.108
52-49-S	48.25	40.21	2418.16	-19.53	1.136
52-50-S	48.25	40.21	2124.28	-15.38	1.024
52-51-S	48.25	40.21	2124.13	-15.65	1.053
52-52-S	48.25	40.21	2123.94	-15.99	1.085
52-53-S	48.25	40.21	2123.74	-16.36	1.119
52-54-S	48.25	40.21	2123.37	-17.03	1.173
52-55-S	40.21	40.21	1784.15	3.37	1.025
52-56-S	40.21	40.21	1783.71	2.55	1.030
52-57-S	40.21	40.21	1783.41	1.99	1.034
52-58-S	40.21	40.21	1783.20	1.61	1.038
52-59-S	40.21	40.21	1783.20	1.60	1.038
52-60-S	40.21	40.21	1783.59	2.33	1.044
52-61-S	40.21	40.21	1784.01	3.10	1.051
52-62-S	40.21	40.21	1784.43	3.89	1.057
52-63-S	40.21	40.21	1784.89	4.73	1.065
52-64-S	40.21	40.21	1785.59	6.03	1.090
52-65-S	40.21	40.21	1786.51	7.74	1.139
52-66-S	40.21	40.21	1786.14	7.05	1.219
52-67-S	40.21	40.21	1785.02	4.97	1.317
52-68-S	40.21	40.21	1783.70	2.52	1.430
52-69-S	40.21	40.21	1782.26	-0.14	1.552
52-70-S	40.21	40.21	1780.51	-3.30	1.684

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
52-71-S	40.21	40.21	1778.40	-7.10	1.697
52-72-S	40.21	40.21	1776.17	-11.11	1.688
52-73-S	40.21	40.21	1773.90	-15.20	1.675
52-74-S	40.21	40.21	1771.69	-19.18	1.657
52-75-S	40.21	40.21	1769.68	-22.80	1.642
52-76-S	40.21	40.21	1769.32	-23.46	1.663
52-77-S	40.21	40.21	1769.46	-23.20	1.696
52-78-S	40.21	40.21	1769.61	-22.93	1.733
52-79-S	40.21	40.21	1769.88	-22.45	1.789
52-80-S	40.21	40.21	1770.30	-21.69	1.873
52-81-S	40.21	40.21	1770.68	-21.00	1.956
52-82-S	40.21	40.21	1771.00	-20.42	2.040
52-83-S	32.17	32.17	1417.01	-16.32	2.069
52-84-S	16.08	16.08	709.53	-8.25	1.632
52-85-S	8.04	8.04	354.74	-4.17	1.717
53-1-S	16.08	16.08	703.95	-14.16	9.730
53-2-S	16.08	16.08	705.42	-14.24	4.533
53-3-S	24.13	24.13	1058.12	-21.38	4.225
53-4-S	32.17	32.17	1410.67	-28.58	4.037
53-5-S	40.21	40.21	1762.68	-35.41	4.267
53-6-S	40.21	40.21	1763.01	-34.81	4.107
53-7-S	40.21	40.21	1763.42	-34.08	3.956
53-8-S	40.21	40.21	1763.93	-33.17	3.796
53-9-S	40.21	40.21	1764.62	-31.92	3.517
53-10-S	40.21	40.21	1765.24	-30.81	3.279
53-11-S	40.21	40.21	1765.74	-29.90	3.082
53-12-S	40.21	40.21	1766.16	-29.15	2.914
53-13-S	40.21	40.21	1766.87	-27.87	2.696
53-14-S	40.21	40.21	1767.95	-25.93	2.420
53-15-S	40.21	40.21	1768.73	-24.51	2.205
53-16-S	40.21	40.21	1769.26	-23.56	2.039
53-17-S	40.21	40.21	1769.59	-22.96	1.910
53-18-S	40.21	40.21	1769.74	-22.69	1.814
53-19-S	40.21	40.21	1769.69	-22.78	1.753
53-20-S	40.21	40.21	1769.68	-22.80	1.691
53-21-S	40.21	40.21	1769.73	-22.72	1.629
53-22-S	40.21	40.21	1769.70	-22.77	1.584
53-23-S	40.21	40.21	1769.45	-23.22	1.577
53-24-S	40.21	40.21	1769.00	-24.03	1.601
53-25-S	40.21	40.21	1768.93	-24.15	1.589
53-26-S	40.21	40.21	1769.94	-22.33	1.469
53-27-S	40.21	40.21	1770.91	-20.59	1.354
53-28-S	40.21	40.21	1771.79	-19.01	1.248
53-29-S	40.21	40.21	1772.57	-17.59	1.150
53-30-S	40.21	40.21	1773.25	-16.38	1.065
53-31-S	40.21	40.21	1773.41	-16.08	1.038
53-32-S	40.21	40.21	1773.49	-15.94	1.019
53-33-S	48.25	40.21	2122.33	-18.92	1.197
53-34-S	48.25	40.21	2122.41	-18.77	1.173
53-35-S	48.25	40.21	2122.47	-18.67	1.150
53-36-S	48.25	40.21	2122.29	-18.99	1.159
53-37-S	48.25	40.21	2122.07	-19.39	1.169
53-38-S	48.25	40.21	2121.83	-19.83	1.181
53-39-S	48.25	40.21	2121.57	-20.29	1.194
53-40-S	48.25	40.21	2121.57	-20.30	1.194
53-41-S	48.25	40.21	2121.82	-19.85	1.181
53-42-S	48.25	40.21	2122.05	-19.43	1.170
53-43-S	48.25	40.21	2122.26	-19.04	1.160
53-44-S	48.25	40.21	2122.44	-18.72	1.151
53-45-S	48.25	40.21	2122.39	-18.81	1.173
53-46-S	48.25	40.21	2122.31	-18.95	1.196
53-47-S	40.21	40.21	1773.48	-15.97	1.017
53-48-S	40.21	40.21	1773.40	-16.10	1.036
53-49-S	40.21	40.21	1773.24	-16.39	1.062
53-50-S	40.21	40.21	1772.57	-17.59	1.147
53-51-S	40.21	40.21	1771.79	-19.00	1.243
53-52-S	40.21	40.21	1770.92	-20.57	1.349
53-53-S	40.21	40.21	1781.39	-1.72	1.417
53-54-S	40.21	40.21	1779.97	-4.28	1.444
53-55-S	40.21	40.21	1777.79	-8.20	1.375
53-56-S	40.21	40.21	1775.80	-11.79	1.287
53-57-S	40.21	40.21	1774.78	-13.63	1.236
53-58-S	40.21	40.21	1774.76	-13.66	1.226
53-59-S	40.21	40.21	1775.81	-11.76	1.241
53-60-S	40.21	40.21	1777.44	-8.83	1.260
53-61-S	40.21	40.21	1779.55	-5.02	1.283
53-62-S	40.21	40.21	1780.02	-4.17	1.321
53-63-S	40.21	40.21	1779.54	-5.04	1.372
53-64-S	40.21	40.21	1778.84	-6.31	1.437
53-65-S	40.21	40.21	1777.86	-8.07	1.517
53-66-S	40.21	40.21	1776.66	-10.23	1.614
53-67-S	40.21	40.21	1775.19	-12.88	1.662
53-68-S	40.21	40.21	1773.70	-15.57	1.671
53-69-S	40.21	40.21	1772.25	-18.17	1.682
53-70-S	40.21	40.21	1770.89	-20.63	1.695
53-71-S	40.21	40.21	1769.60	-22.95	1.710
53-72-S	40.21	40.21	1769.37	-23.36	1.739
53-73-S	40.21	40.21	1769.40	-23.31	1.773
53-74-S	40.21	40.21	1769.48	-23.16	1.808
53-75-S	32.17	32.17	1416.31	-18.42	1.664
53-76-S	24.13	24.13	1062.42	-13.63	1.676
53-77-S	16.08	16.08	708.35	-8.97	1.721
53-78-S	8.04	8.04	354.21	-4.42	1.769

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
54-1-S	8.04	8.04	352.48	-6.94	4.236
54-2-S	8.04	8.04	354.00	-6.69	2.019
54-3-S	16.08	16.08	706.98	-12.84	2.557
54-4-S	24.13	24.13	1060.05	-18.48	2.744
54-5-S	32.17	32.17	1413.04	-24.00	2.798
54-6-S	40.21	40.21	1765.91	-29.60	2.810
54-7-S	40.21	40.21	1766.08	-29.30	2.647
54-8-S	40.21	40.21	1766.19	-29.09	2.504
54-9-S	40.21	40.21	1766.35	-28.81	2.371
54-10-S	40.21	40.21	1766.51	-28.51	2.249
54-11-S	40.21	40.21	1766.68	-28.20	2.138
54-12-S	40.21	40.21	1766.82	-27.95	2.043
54-13-S	40.21	40.21	1766.94	-27.74	1.961
54-14-S	40.21	40.21	1766.94	-27.75	1.911
54-15-S	40.21	40.21	1766.94	-27.74	1.864
54-16-S	40.21	40.21	1766.98	-27.68	1.819
54-17-S	40.21	40.21	1767.01	-27.62	1.777
54-18-S	40.21	40.21	1766.48	-28.57	1.805
54-19-S	40.21	40.21	1766.10	-29.25	1.821
54-20-S	40.21	40.21	1766.05	-29.35	1.805
54-21-S	40.21	40.21	1766.32	-28.87	1.756
54-22-S	40.21	40.21	1767.18	-27.32	1.639
54-23-S	40.21	40.21	1768.28	-25.33	1.498
54-24-S	40.21	40.21	1769.26	-23.57	1.375
54-25-S	40.21	40.21	1770.05	-22.14	1.273
54-26-S	40.21	40.21	1770.60	-21.15	1.197
54-27-S	40.21	40.21	1770.59	-21.16	1.181
54-28-S	40.21	40.21	1770.53	-21.27	1.173
54-29-S	40.21	40.21	1770.46	-21.40	1.165
54-30-S	40.21	40.21	1770.41	-21.49	1.156
54-31-S	40.21	40.21	1770.06	-22.12	1.189
54-32-S	40.21	40.21	1769.44	-23.24	1.254
54-33-S	40.21	40.21	1768.82	-24.35	1.321
54-34-S	40.21	40.21	1768.21	-25.45	1.385
54-35-S	40.21	40.21	1767.74	-26.30	1.427
54-36-S	40.21	40.21	1768.21	-25.45	1.385
54-37-S	40.21	40.21	1768.82	-24.36	1.320
54-38-S	40.21	40.21	1769.44	-23.25	1.254
54-39-S	40.21	40.21	1770.05	-22.13	1.188
54-40-S	40.21	40.21	1770.40	-21.51	1.155
54-41-S	40.21	40.21	1770.45	-21.41	1.164
54-42-S	40.21	40.21	1770.53	-21.28	1.171
54-43-S	40.21	40.21	1770.59	-21.17	1.180
54-44-S	40.21	40.21	1770.60	-21.16	1.195
54-45-S	40.21	40.21	1770.05	-22.14	1.271
54-46-S	40.21	40.21	1769.26	-23.56	1.372
54-47-S	40.21	40.21	1768.29	-25.32	1.494
54-48-S	40.21	40.21	1767.19	-27.28	1.634
54-49-S	40.21	40.21	1766.34	-28.82	1.750
54-50-S	40.21	40.21	1774.80	-13.58	1.713
54-51-S	40.21	40.21	1772.99	-16.85	1.635
54-52-S	40.21	40.21	1771.25	-19.97	1.531
54-53-S	40.21	40.21	1769.95	-22.32	1.434
54-54-S	40.21	40.21	1770.22	-21.84	1.454
54-55-S	40.21	40.21	1770.53	-21.27	1.475
54-56-S	40.21	40.21	1771.23	-20.01	1.493
54-57-S	40.21	40.21	1772.29	-18.11	1.511
54-58-S	40.21	40.21	1772.11	-18.43	1.542
54-59-S	40.21	40.21	1772.09	-18.46	1.574
54-60-S	40.21	40.21	1772.32	-18.05	1.608
54-61-S	40.21	40.21	1772.78	-17.23	1.640
54-62-S	40.21	40.21	1773.14	-16.58	1.672
54-63-S	40.21	40.21	1773.01	-16.81	1.700
54-64-S	40.21	40.21	1772.79	-17.20	1.728
54-65-S	32.17	32.17	1418.52	-14.14	1.625
54-66-S	24.13	24.13	1064.05	-11.28	1.489
54-67-S	16.08	16.08	709.63	-8.07	1.309
54-68-S	16.08	8.04	702.52	-8.22	1.973
54-69-S	8.04	8.04	353.98	-4.26	2.018
55-1-S	16.08	8.04	694.96	-11.96	6.740
55-2-S	8.04	8.04	353.86	-6.05	1.615
55-3-S	16.08	16.08	706.44	-12.04	2.141
55-4-S	16.08	16.08	707.29	-12.18	1.631
55-5-S	24.13	24.13	1059.59	-18.51	1.964
55-6-S	32.17	32.17	1411.80	-25.00	2.174
55-7-S	32.17	32.17	1412.54	-25.33	1.849
55-8-S	40.21	40.21	1764.63	-31.78	2.040
55-9-S	40.21	40.21	1764.87	-31.47	1.978
55-10-S	40.21	40.21	1765.17	-30.94	1.934
55-11-S	40.21	40.21	1765.57	-30.21	1.888
55-12-S	40.21	40.21	1766.03	-29.38	1.838
55-13-S	40.21	40.21	1766.39	-28.73	1.768
55-14-S	40.21	40.21	1766.71	-28.15	1.706
55-15-S	40.21	40.21	1766.96	-27.70	1.649
55-16-S	40.21	40.21	1767.08	-27.48	1.600
55-17-S	40.21	40.21	1767.34	-27.02	1.530
55-18-S	40.21	40.21	1767.44	-26.84	1.479
55-19-S	40.21	40.21	1767.47	-26.78	1.436
55-20-S	40.21	40.21	1767.53	-26.69	1.394
55-21-S	40.21	40.21	1767.56	-26.62	1.357
55-22-S	40.21	40.21	1767.45	-26.83	1.350
55-23-S	40.21	40.21	1767.41	-26.89	1.352
55-24-S	40.21	40.21	1767.46	-26.81	1.356

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
55-25-S	40.21	40.21	1767.52	-26.69	1.362
55-26-S	40.21	40.21	1767.37	-26.97	1.390
55-27-S	40.21	40.21	1767.01	-27.61	1.440
55-28-S	40.21	40.21	1766.86	-27.89	1.459
55-29-S	40.21	40.21	1766.85	-27.90	1.459
55-30-S	40.21	40.21	1766.86	-27.90	1.459
55-31-S	40.21	40.21	1767.01	-27.61	1.439
55-32-S	40.21	40.21	1767.37	-26.97	1.389
55-33-S	40.21	40.21	1767.52	-26.69	1.361
55-34-S	40.21	40.21	1767.46	-26.80	1.355
55-35-S	40.21	40.21	1767.41	-26.89	1.351
55-36-S	40.21	40.21	1767.45	-26.83	1.348
55-37-S	40.21	40.21	1767.57	-26.62	1.355
55-38-S	40.21	40.21	1767.53	-26.68	1.392
55-39-S	40.21	40.21	1767.48	-26.76	1.434
55-40-S	40.21	40.21	1767.46	-26.81	1.476
55-41-S	40.21	40.21	1767.36	-26.99	1.526
55-42-S	40.21	40.21	1767.10	-27.45	1.595
55-43-S	40.21	40.21	1766.99	-27.66	1.644
55-44-S	40.21	40.21	1766.74	-28.10	1.700
55-45-S	40.21	40.21	1773.13	-16.59	1.693
55-46-S	40.21	40.21	1771.82	-18.95	1.668
55-47-S	40.21	40.21	1771.35	-19.81	1.666
55-48-S	40.21	40.21	1771.19	-20.09	1.669
55-49-S	40.21	40.21	1771.18	-20.10	1.673
55-50-S	40.21	40.21	1771.26	-19.84	1.692
55-51-S	32.17	32.17	1417.94	-15.61	1.502
55-52-S	32.17	32.17	1416.91	-15.80	1.728
55-53-S	24.13	24.13	1063.20	-12.00	1.528
55-54-S	16.08	16.08	709.55	-8.11	1.240
55-55-S	16.08	16.08	708.64	-8.08	1.586
55-56-S	8.04	8.04	355.03	-3.95	1.152
55-57-S	16.08	8.04	697.17	-7.72	4.592
56-1-S	8.04	8.04	352.35	-6.36	4.530
56-2-S	8.04	8.04	352.86	-6.17	2.211
56-3-S	8.04	8.04	353.65	-5.99	1.440
56-4-S	8.04	8.04	354.39	-5.82	1.056
56-5-S	16.08	16.08	706.85	-11.35	1.679
56-6-S	16.08	16.08	707.33	-11.36	1.420
56-7-S	16.08	16.08	707.76	-11.45	1.224
56-8-S	24.13	24.13	1059.91	-17.28	1.601
56-9-S	24.13	24.13	1060.33	-17.40	1.414
56-10-S	24.13	24.13	1060.75	-17.49	1.265
56-11-S	32.17	32.17	1412.67	-23.37	1.573
56-12-S	32.17	32.17	1412.90	-23.47	1.485
56-13-S	32.17	32.17	1413.12	-23.59	1.413
56-14-S	32.17	32.17	1413.34	-23.71	1.348
56-15-S	32.17	32.17	1413.60	-23.76	1.294
56-16-S	32.17	32.17	1413.82	-23.69	1.269
56-17-S	32.17	32.17	1414.05	-23.45	1.257
56-18-S	32.17	32.17	1414.36	-23.07	1.243
56-19-S	40.21	40.21	1766.47	-28.24	1.534
56-20-S	40.21	40.21	1766.79	-27.85	1.516
56-21-S	40.21	40.21	1766.95	-27.72	1.498
56-22-S	40.21	40.21	1766.79	-27.85	1.516
56-23-S	40.21	40.21	1766.47	-28.24	1.534
56-24-S	32.17	32.17	1414.36	-23.06	1.243
56-25-S	32.17	32.17	1414.05	-23.45	1.257
56-26-S	32.17	32.17	1413.82	-23.68	1.268
56-27-S	32.17	32.17	1413.61	-23.75	1.293
56-28-S	32.17	32.17	1413.35	-23.70	1.346
56-29-S	32.17	32.17	1413.13	-23.58	1.411
56-30-S	32.17	32.17	1412.91	-23.46	1.483
56-31-S	32.17	32.17	1412.68	-23.35	1.570
56-32-S	24.13	24.13	1060.76	-17.48	1.263
56-33-S	24.13	24.13	1060.34	-17.38	1.411
56-34-S	24.13	24.13	1059.92	-17.26	1.597
56-35-S	16.08	16.08	707.77	-11.44	1.221
56-36-S	16.08	16.08	707.35	-11.34	1.416
56-37-S	16.08	16.08	706.86	-11.33	1.673
56-38-S	8.04	8.04	355.95	-3.02	1.025
56-39-S	8.04	8.04	355.21	-3.18	1.359
56-40-S	8.04	8.04	354.43	-3.34	2.026
56-41-S	8.04	8.04	353.93	-3.50	4.031

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 ((Pu+Pup)/η), 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	16032.05	25966.71	83403.69	85233.80	73320.65	41998.76	4.573 (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	0.00	1900.00	0.00	0.00	100.0 (1)

Ribaltamento



Pali

Numero pali	20
Somma portanza laterale	33339.2 [kN]
Portanza laterale del gruppo	45107.2 [kN]
Efficienza palificata	1.00
Somma portanza di punta	155749.9 [kN]
Somma portanze totali	189089.1 [kN]
Somma portanza trasversale	11817.3 [kN]

Simbologia adottata

Np	Identificativo del palo
D	diametro espresso in [cm]
L	lunghezza espressa in [m]
N	sforzo normale espresso in [kN]
T _x , T _y	taglio in fase di esercizio (direzione X ed Y) espresso in [kN]
T	risultante taglio espresso in [kN]
T _u	Taglio ultimo espresso in [kN]
M _x , M _y	momento in fase di esercizio (direzione X ed Y) espresso in [kNm]
M _u	Momento ultimo espresso in [kNm]
M _{usez}	Momento ultimo della sezione espresso in [kNm]
A _r	Area di armatura espressa in [cm ²]
N _c , N _q	fattori di capacità portante
N' _c , N' _q	fattori di capacità portante corretti
P _{lmed} , P _{lmin}	portanza per attrito e aderenza laterale in [kN]
P _{pmed} , P _{pmin}	portanza di punta in [kN]
P _d	portanza di progetto in [kN]
A _{neg}	Attrito negativo in [kN]
u	spostamento orizzontale in esercizio espresso in [cm]
u _r	spostamento orizzontale limite espresso in [cm]
p	pressione in esercizio espressa in [kg/cm ²]
p _r	pressione limite espressa in [kg/cm ²]
w	cedimento in testa espresso in [cm]

Risultati inviluppo

Spostamenti

Simbologia adottata

I _n	Indice sezione
Y	ordinata palo espressa in [m]
U _r	spostamento limite espresso in [cm]
P _r	pressione limite espressa in [kg/cm ²]
U _e	spostamento in esercizio espresso in [cm]
P _e	pressione in esercizio espressa in [kg/cm ²]

Palo n° 1

n°	Y [m]	U _e [cm]	U _r [cm]	P _e [kg/cm ²]	P _r [kg/cm ²]
1	0.00	0.0945 (1)	0.6162 (1)	0.142 (1)	0.924 (1)
11	3.00	0.0863 (1)	0.5626 (1)	0.129 (1)	0.844 (1)
21	6.00	0.0743 (1)	0.4844 (1)	0.000 (0)	0.000 (0)
31	9.00	0.0624 (1)	0.4065 (1)	0.000 (0)	0.000 (0)
41	12.00	0.0504 (1)	0.3286 (1)	0.000 (0)	0.000 (0)
51	15.00	0.0385 (1)	0.2507 (1)	0.000 (0)	0.000 (0)
61	18.00	0.0265 (1)	0.1728 (1)	0.000 (0)	0.000 (0)
71	21.00	0.0145 (1)	0.0948 (1)	0.000 (0)	0.000 (0)
81	24.00	0.0026 (1)	0.0169 (1)	0.000 (0)	0.000 (0)
91	27.00	-0.0094 (1)	-0.0610 (1)	0.000 (0)	0.000 (0)
101	30.00	-0.0213 (1)	-0.1389 (1)	0.000 (0)	0.000 (0)

Palo n° 2

n°	Y [m]	U _e [cm]	U _r [cm]	P _e [kg/cm ²]	P _r [kg/cm ²]
1	0.00	0.0948 (1)	0.6162 (1)	0.142 (1)	0.924 (1)
11	3.00	0.0866 (1)	0.5626 (1)	0.130 (1)	0.844 (1)
21	6.00	0.0746 (1)	0.4844 (1)	0.000 (0)	0.000 (0)
31	9.00	0.0626 (1)	0.4065 (1)	0.000 (0)	0.000 (0)
41	12.00	0.0506 (1)	0.3286 (1)	0.000 (0)	0.000 (0)
51	15.00	0.0386 (1)	0.2507 (1)	0.000 (0)	0.000 (0)
61	18.00	0.0266 (1)	0.1728 (1)	0.000 (0)	0.000 (0)
71	21.00	0.0146 (1)	0.0948 (1)	0.000 (0)	0.000 (0)
81	24.00	0.0026 (1)	0.0169 (1)	0.000 (0)	0.000 (0)
91	27.00	-0.0094 (1)	-0.0610 (1)	0.000 (0)	0.000 (0)
101	30.00	-0.0214 (1)	-0.1389 (1)	0.000 (0)	0.000 (0)

Palo n° 3

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.0957 (1)	0.6162 (1)	0.144 (1)	0.924 (1)
11	3.00	0.0874 (1)	0.5626 (1)	0.131 (1)	0.844 (1)
21	6.00	0.0752 (1)	0.4844 (1)	0.000 (0)	0.000 (0)
31	9.00	0.0631 (1)	0.4065 (1)	0.000 (0)	0.000 (0)
41	12.00	0.0510 (1)	0.3286 (1)	0.000 (0)	0.000 (0)
51	15.00	0.0389 (1)	0.2507 (1)	0.000 (0)	0.000 (0)
61	18.00	0.0268 (1)	0.1728 (1)	0.000 (0)	0.000 (0)
71	21.00	0.0147 (1)	0.0948 (1)	0.000 (0)	0.000 (0)
81	24.00	0.0026 (1)	0.0169 (1)	0.000 (0)	0.000 (0)
91	27.00	-0.0095 (1)	-0.0610 (1)	0.000 (0)	0.000 (0)
101	30.00	-0.0216 (1)	-0.1389 (1)	0.000 (0)	0.000 (0)

Palo n° 4

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.0969 (1)	0.6162 (1)	0.145 (1)	0.924 (1)
11	3.00	0.0885 (1)	0.5626 (1)	0.133 (1)	0.844 (1)
21	6.00	0.0762 (1)	0.4844 (1)	0.000 (0)	0.000 (0)
31	9.00	0.0639 (1)	0.4065 (1)	0.000 (0)	0.000 (0)
41	12.00	0.0517 (1)	0.3286 (1)	0.000 (0)	0.000 (0)
51	15.00	0.0394 (1)	0.2507 (1)	0.000 (0)	0.000 (0)
61	18.00	0.0272 (1)	0.1728 (1)	0.000 (0)	0.000 (0)
71	21.00	0.0149 (1)	0.0948 (1)	0.000 (0)	0.000 (0)
81	24.00	0.0027 (1)	0.0169 (1)	0.000 (0)	0.000 (0)
91	27.00	-0.0096 (1)	-0.0610 (1)	0.000 (0)	0.000 (0)
101	30.00	-0.0218 (1)	-0.1389 (1)	0.000 (0)	0.000 (0)

Palo n° 5

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.0983 (1)	0.6162 (1)	0.147 (1)	0.924 (1)
11	3.00	0.0897 (1)	0.5626 (1)	0.135 (1)	0.844 (1)
21	6.00	0.0773 (1)	0.4844 (1)	0.000 (0)	0.000 (0)
31	9.00	0.0648 (1)	0.4065 (1)	0.000 (0)	0.000 (0)
41	12.00	0.0524 (1)	0.3286 (1)	0.000 (0)	0.000 (0)
51	15.00	0.0400 (1)	0.2507 (1)	0.000 (0)	0.000 (0)
61	18.00	0.0276 (1)	0.1728 (1)	0.000 (0)	0.000 (0)
71	21.00	0.0151 (1)	0.0948 (1)	0.000 (0)	0.000 (0)
81	24.00	0.0027 (1)	0.0169 (1)	0.000 (0)	0.000 (0)
91	27.00	-0.0097 (1)	-0.0610 (1)	0.000 (0)	0.000 (0)
101	30.00	-0.0222 (1)	-0.1389 (1)	0.000 (0)	0.000 (0)

Palo n° 6

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.0996 (1)	0.6162 (1)	0.149 (1)	0.924 (1)
11	3.00	0.0909 (1)	0.5626 (1)	0.136 (1)	0.844 (1)
21	6.00	0.0783 (1)	0.4844 (1)	0.000 (0)	0.000 (0)
31	9.00	0.0657 (1)	0.4065 (1)	0.000 (0)	0.000 (0)
41	12.00	0.0531 (1)	0.3286 (1)	0.000 (0)	0.000 (0)
51	15.00	0.0405 (1)	0.2507 (1)	0.000 (0)	0.000 (0)
61	18.00	0.0279 (1)	0.1728 (1)	0.000 (0)	0.000 (0)
71	21.00	0.0153 (1)	0.0948 (1)	0.000 (0)	0.000 (0)
81	24.00	0.0027 (1)	0.0169 (1)	0.000 (0)	0.000 (0)
91	27.00	-0.0099 (1)	-0.0610 (1)	0.000 (0)	0.000 (0)
101	30.00	-0.0225 (1)	-0.1389 (1)	0.000 (0)	0.000 (0)

Palo n° 7

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.1007 (1)	0.6162 (1)	0.151 (1)	0.924 (1)
11	3.00	0.0920 (1)	0.5626 (1)	0.138 (1)	0.844 (1)
21	6.00	0.0792 (1)	0.4844 (1)	0.000 (0)	0.000 (0)
31	9.00	0.0665 (1)	0.4065 (1)	0.000 (0)	0.000 (0)
41	12.00	0.0537 (1)	0.3286 (1)	0.000 (0)	0.000 (0)
51	15.00	0.0410 (1)	0.2507 (1)	0.000 (0)	0.000 (0)
61	18.00	0.0282 (1)	0.1728 (1)	0.000 (0)	0.000 (0)
71	21.00	0.0155 (1)	0.0948 (1)	0.000 (0)	0.000 (0)
81	24.00	0.0028 (1)	0.0169 (1)	0.000 (0)	0.000 (0)
91	27.00	-0.0100 (1)	-0.0610 (1)	0.000 (0)	0.000 (0)
101	30.00	-0.0227 (1)	-0.1389 (1)	0.000 (0)	0.000 (0)

Palo n° 8

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.1016 (1)	0.6162 (1)	0.152 (1)	0.924 (1)
11	3.00	0.0928 (1)	0.5626 (1)	0.139 (1)	0.844 (1)
21	6.00	0.0799 (1)	0.4844 (1)	0.000 (0)	0.000 (0)
31	9.00	0.0671 (1)	0.4065 (1)	0.000 (0)	0.000 (0)
41	12.00	0.0542 (1)	0.3286 (1)	0.000 (0)	0.000 (0)
51	15.00	0.0413 (1)	0.2507 (1)	0.000 (0)	0.000 (0)

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cm²]	Pr [kg/cm²]
61	18.00	0.0285 (1)	0.1728 (1)	0.000 (0)	0.000 (0)
71	21.00	0.0156 (1)	0.0948 (1)	0.000 (0)	0.000 (0)
81	24.00	0.0028 (1)	0.0169 (1)	0.000 (0)	0.000 (0)
91	27.00	-0.0101 (1)	-0.0610 (1)	0.000 (0)	0.000 (0)
101	30.00	-0.0229 (1)	-0.1389 (1)	0.000 (0)	0.000 (0)

Palo n° 9

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cm²]	Pr [kg/cm²]
1	0.00	0.1022 (1)	0.6162 (1)	0.153 (1)	0.924 (1)
11	3.00	0.0933 (1)	0.5626 (1)	0.140 (1)	0.844 (1)
21	6.00	0.0804 (1)	0.4844 (1)	0.000 (0)	0.000 (0)
31	9.00	0.0675 (1)	0.4065 (1)	0.000 (0)	0.000 (0)
41	12.00	0.0545 (1)	0.3286 (1)	0.000 (0)	0.000 (0)
51	15.00	0.0416 (1)	0.2507 (1)	0.000 (0)	0.000 (0)
61	18.00	0.0287 (1)	0.1728 (1)	0.000 (0)	0.000 (0)
71	21.00	0.0157 (1)	0.0948 (1)	0.000 (0)	0.000 (0)
81	24.00	0.0028 (1)	0.0169 (1)	0.000 (0)	0.000 (0)
91	27.00	-0.0101 (1)	-0.0610 (1)	0.000 (0)	0.000 (0)
101	30.00	-0.0230 (1)	-0.1389 (1)	0.000 (0)	0.000 (0)

Palo n° 10

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cm²]	Pr [kg/cm²]
1	0.00	0.1026 (1)	0.6162 (1)	0.154 (1)	0.924 (1)
11	3.00	0.0937 (1)	0.5626 (1)	0.140 (1)	0.844 (1)
21	6.00	0.0806 (1)	0.4844 (1)	0.000 (0)	0.000 (0)
31	9.00	0.0677 (1)	0.4065 (1)	0.000 (0)	0.000 (0)
41	12.00	0.0547 (1)	0.3286 (1)	0.000 (0)	0.000 (0)
51	15.00	0.0417 (1)	0.2507 (1)	0.000 (0)	0.000 (0)
61	18.00	0.0288 (1)	0.1728 (1)	0.000 (0)	0.000 (0)
71	21.00	0.0158 (1)	0.0948 (1)	0.000 (0)	0.000 (0)
81	24.00	0.0028 (1)	0.0169 (1)	0.000 (0)	0.000 (0)
91	27.00	-0.0102 (1)	-0.0610 (1)	0.000 (0)	0.000 (0)
101	30.00	-0.0231 (1)	-0.1389 (1)	0.000 (0)	0.000 (0)

Palo n° 11

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cm²]	Pr [kg/cm²]
1	0.00	0.1027 (1)	0.6162 (1)	0.154 (1)	0.924 (1)
11	3.00	0.0937 (1)	0.5626 (1)	0.141 (1)	0.844 (1)
21	6.00	0.0807 (1)	0.4844 (1)	0.000 (0)	0.000 (0)
31	9.00	0.0677 (1)	0.4065 (1)	0.000 (0)	0.000 (0)
41	12.00	0.0548 (1)	0.3286 (1)	0.000 (0)	0.000 (0)
51	15.00	0.0418 (1)	0.2507 (1)	0.000 (0)	0.000 (0)
61	18.00	0.0288 (1)	0.1728 (1)	0.000 (0)	0.000 (0)
71	21.00	0.0158 (1)	0.0948 (1)	0.000 (0)	0.000 (0)
81	24.00	0.0028 (1)	0.0169 (1)	0.000 (0)	0.000 (0)
91	27.00	-0.0102 (1)	-0.0610 (1)	0.000 (0)	0.000 (0)
101	30.00	-0.0231 (1)	-0.1389 (1)	0.000 (0)	0.000 (0)

Palo n° 12

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cm²]	Pr [kg/cm²]
1	0.00	0.1026 (1)	0.6162 (1)	0.154 (1)	0.924 (1)
11	3.00	0.0937 (1)	0.5626 (1)	0.140 (1)	0.844 (1)
21	6.00	0.0806 (1)	0.4844 (1)	0.000 (0)	0.000 (0)
31	9.00	0.0677 (1)	0.4065 (1)	0.000 (0)	0.000 (0)
41	12.00	0.0547 (1)	0.3286 (1)	0.000 (0)	0.000 (0)
51	15.00	0.0417 (1)	0.2507 (1)	0.000 (0)	0.000 (0)
61	18.00	0.0288 (1)	0.1728 (1)	0.000 (0)	0.000 (0)
71	21.00	0.0158 (1)	0.0948 (1)	0.000 (0)	0.000 (0)
81	24.00	0.0028 (1)	0.0169 (1)	0.000 (0)	0.000 (0)
91	27.00	-0.0102 (1)	-0.0610 (1)	0.000 (0)	0.000 (0)
101	30.00	-0.0231 (1)	-0.1389 (1)	0.000 (0)	0.000 (0)

Palo n° 13

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cm²]	Pr [kg/cm²]
1	0.00	0.1022 (1)	0.6162 (1)	0.153 (1)	0.924 (1)
11	3.00	0.0933 (1)	0.5626 (1)	0.140 (1)	0.844 (1)
21	6.00	0.0804 (1)	0.4844 (1)	0.000 (0)	0.000 (0)
31	9.00	0.0675 (1)	0.4065 (1)	0.000 (0)	0.000 (0)
41	12.00	0.0545 (1)	0.3286 (1)	0.000 (0)	0.000 (0)
51	15.00	0.0416 (1)	0.2507 (1)	0.000 (0)	0.000 (0)
61	18.00	0.0287 (1)	0.1728 (1)	0.000 (0)	0.000 (0)
71	21.00	0.0157 (1)	0.0948 (1)	0.000 (0)	0.000 (0)
81	24.00	0.0028 (1)	0.0169 (1)	0.000 (0)	0.000 (0)
91	27.00	-0.0101 (1)	-0.0610 (1)	0.000 (0)	0.000 (0)
101	30.00	-0.0230 (1)	-0.1389 (1)	0.000 (0)	0.000 (0)

Palo n° 14

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.1016 (1)	0.6162 (1)	0.152 (1)	0.924 (1)
11	3.00	0.0928 (1)	0.5626 (1)	0.139 (1)	0.844 (1)
21	6.00	0.0799 (1)	0.4844 (1)	0.000 (0)	0.000 (0)
31	9.00	0.0671 (1)	0.4065 (1)	0.000 (0)	0.000 (0)
41	12.00	0.0542 (1)	0.3286 (1)	0.000 (0)	0.000 (0)
51	15.00	0.0414 (1)	0.2507 (1)	0.000 (0)	0.000 (0)
61	18.00	0.0285 (1)	0.1728 (1)	0.000 (0)	0.000 (0)
71	21.00	0.0156 (1)	0.0948 (1)	0.000 (0)	0.000 (0)
81	24.00	0.0028 (1)	0.0169 (1)	0.000 (0)	0.000 (0)
91	27.00	-0.0101 (1)	-0.0610 (1)	0.000 (0)	0.000 (0)
101	30.00	-0.0229 (1)	-0.1389 (1)	0.000 (0)	0.000 (0)

Palo n° 15

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.1007 (1)	0.6162 (1)	0.151 (1)	0.924 (1)
11	3.00	0.0920 (1)	0.5626 (1)	0.138 (1)	0.844 (1)
21	6.00	0.0792 (1)	0.4844 (1)	0.000 (0)	0.000 (0)
31	9.00	0.0665 (1)	0.4065 (1)	0.000 (0)	0.000 (0)
41	12.00	0.0537 (1)	0.3286 (1)	0.000 (0)	0.000 (0)
51	15.00	0.0410 (1)	0.2507 (1)	0.000 (0)	0.000 (0)
61	18.00	0.0282 (1)	0.1728 (1)	0.000 (0)	0.000 (0)
71	21.00	0.0155 (1)	0.0948 (1)	0.000 (0)	0.000 (0)
81	24.00	0.0028 (1)	0.0169 (1)	0.000 (0)	0.000 (0)
91	27.00	-0.0100 (1)	-0.0610 (1)	0.000 (0)	0.000 (0)
101	30.00	-0.0227 (1)	-0.1389 (1)	0.000 (0)	0.000 (0)

Palo n° 16

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.0996 (1)	0.6162 (1)	0.149 (1)	0.924 (1)
11	3.00	0.0909 (1)	0.5626 (1)	0.136 (1)	0.844 (1)
21	6.00	0.0783 (1)	0.4844 (1)	0.000 (0)	0.000 (0)
31	9.00	0.0657 (1)	0.4065 (1)	0.000 (0)	0.000 (0)
41	12.00	0.0531 (1)	0.3286 (1)	0.000 (0)	0.000 (0)
51	15.00	0.0405 (1)	0.2507 (1)	0.000 (0)	0.000 (0)
61	18.00	0.0279 (1)	0.1728 (1)	0.000 (0)	0.000 (0)
71	21.00	0.0153 (1)	0.0948 (1)	0.000 (0)	0.000 (0)
81	24.00	0.0027 (1)	0.0169 (1)	0.000 (0)	0.000 (0)
91	27.00	-0.0099 (1)	-0.0610 (1)	0.000 (0)	0.000 (0)
101	30.00	-0.0225 (1)	-0.1389 (1)	0.000 (0)	0.000 (0)

Palo n° 17

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.0983 (1)	0.6162 (1)	0.147 (1)	0.924 (1)
11	3.00	0.0897 (1)	0.5626 (1)	0.135 (1)	0.844 (1)
21	6.00	0.0773 (1)	0.4844 (1)	0.000 (0)	0.000 (0)
31	9.00	0.0648 (1)	0.4065 (1)	0.000 (0)	0.000 (0)
41	12.00	0.0524 (1)	0.3286 (1)	0.000 (0)	0.000 (0)
51	15.00	0.0400 (1)	0.2507 (1)	0.000 (0)	0.000 (0)
61	18.00	0.0276 (1)	0.1728 (1)	0.000 (0)	0.000 (0)
71	21.00	0.0151 (1)	0.0948 (1)	0.000 (0)	0.000 (0)
81	24.00	0.0027 (1)	0.0169 (1)	0.000 (0)	0.000 (0)
91	27.00	-0.0097 (1)	-0.0610 (1)	0.000 (0)	0.000 (0)
101	30.00	-0.0222 (1)	-0.1389 (1)	0.000 (0)	0.000 (0)

Palo n° 18

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.0969 (1)	0.6162 (1)	0.145 (1)	0.924 (1)
11	3.00	0.0885 (1)	0.5626 (1)	0.133 (1)	0.844 (1)
21	6.00	0.0762 (1)	0.4844 (1)	0.000 (0)	0.000 (0)
31	9.00	0.0639 (1)	0.4065 (1)	0.000 (0)	0.000 (0)
41	12.00	0.0517 (1)	0.3286 (1)	0.000 (0)	0.000 (0)
51	15.00	0.0394 (1)	0.2507 (1)	0.000 (0)	0.000 (0)
61	18.00	0.0272 (1)	0.1728 (1)	0.000 (0)	0.000 (0)
71	21.00	0.0149 (1)	0.0948 (1)	0.000 (0)	0.000 (0)
81	24.00	0.0027 (1)	0.0169 (1)	0.000 (0)	0.000 (0)
91	27.00	-0.0096 (1)	-0.0610 (1)	0.000 (0)	0.000 (0)
101	30.00	-0.0218 (1)	-0.1389 (1)	0.000 (0)	0.000 (0)

Palo n° 19

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.0957 (1)	0.6162 (1)	0.144 (1)	0.924 (1)
11	3.00	0.0874 (1)	0.5626 (1)	0.131 (1)	0.844 (1)
21	6.00	0.0752 (1)	0.4844 (1)	0.000 (0)	0.000 (0)
31	9.00	0.0631 (1)	0.4065 (1)	0.000 (0)	0.000 (0)
41	12.00	0.0510 (1)	0.3286 (1)	0.000 (0)	0.000 (0)
51	15.00	0.0389 (1)	0.2507 (1)	0.000 (0)	0.000 (0)

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
61	18.00	0.0268 (1)	0.1728 (1)	0.000 (0)	0.000 (0)
71	21.00	0.0147 (1)	0.0948 (1)	0.000 (0)	0.000 (0)
81	24.00	0.0026 (1)	0.0169 (1)	0.000 (0)	0.000 (0)
91	27.00	-0.0095 (1)	-0.0610 (1)	0.000 (0)	0.000 (0)
101	30.00	-0.0216 (1)	-0.1389 (1)	0.000 (0)	0.000 (0)

Palo n° 20

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.0948 (1)	0.6162 (1)	0.142 (1)	0.924 (1)
11	3.00	0.0866 (1)	0.5626 (1)	0.130 (1)	0.844 (1)
21	6.00	0.0746 (1)	0.4844 (1)	0.000 (0)	0.000 (0)
31	9.00	0.0626 (1)	0.4065 (1)	0.000 (0)	0.000 (0)
41	12.00	0.0506 (1)	0.3286 (1)	0.000 (0)	0.000 (0)
51	15.00	0.0386 (1)	0.2507 (1)	0.000 (0)	0.000 (0)
61	18.00	0.0266 (1)	0.1728 (1)	0.000 (0)	0.000 (0)
71	21.00	0.0146 (1)	0.0948 (1)	0.000 (0)	0.000 (0)
81	24.00	0.0026 (1)	0.0169 (1)	0.000 (0)	0.000 (0)
91	27.00	-0.0094 (1)	-0.0610 (1)	0.000 (0)	0.000 (0)
101	30.00	-0.0214 (1)	-0.1389 (1)	0.000 (0)	0.000 (0)

Sollecitazioni

Simbologia adottata

n°	Identificativo sezione
Y	ordinata della sezione a partire dalla testa positiva verso il basso, espressa in [m]
Nr	sforzamento normale a rottura, espresso in [kN]
Ne	sforzamento normale in esercizio, espresso in [kN]
Tr	taglio a rottura, espresso in [kN]
Te	taglio in esercizio, espresso in [kN]
Mr	momento a rottura, espresso in [kNm]
Me	momento in esercizio, espresso in [kNm]

Palo n° 1

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	2479.97 (2)	9445.10 (1)	90.65 (1)	590.87 (1)	204.27 (1)	1331.51 (1)
11	3.00	2435.38 (2)	8983.52 (1)	27.37 (1)	178.43 (1)	24.40 (1)	159.03 (1)
21	6.00	2383.88 (2)	8517.10 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
31	9.00	2475.06 (2)	8420.05 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
41	12.00	2566.24 (2)	8323.01 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
51	15.00	2657.41 (2)	8225.96 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
61	18.00	2748.59 (2)	8128.91 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
71	21.00	2839.77 (2)	8031.86 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
81	24.00	2930.95 (2)	7934.81 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
91	27.00	3022.12 (2)	7837.76 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
101	30.00	3113.30 (2)	7750.42 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

Palo n° 2

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	2418.38 (2)	9445.10 (1)	90.94 (1)	590.87 (1)	204.93 (1)	1331.51 (1)
11	3.00	2376.64 (2)	8983.52 (1)	27.46 (1)	178.43 (1)	24.48 (1)	159.03 (1)
21	6.00	2328.10 (2)	8517.10 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
31	9.00	2419.91 (2)	8420.05 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
41	12.00	2511.71 (2)	8323.01 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
51	15.00	2603.52 (2)	8225.96 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
61	18.00	2695.33 (2)	8128.91 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
71	21.00	2787.14 (2)	8031.86 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
81	24.00	2878.95 (2)	7934.81 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
91	27.00	2970.76 (2)	7837.76 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
101	30.00	3062.57 (2)	7750.42 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

Palo n° 3

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	2239.73 (2)	9445.10 (1)	91.76 (1)	590.87 (1)	206.78 (1)	1331.51 (1)
11	3.00	2206.25 (2)	8983.52 (1)	27.71 (1)	178.43 (1)	24.70 (1)	159.03 (1)
21	6.00	2166.28 (2)	8517.10 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
31	9.00	2259.92 (2)	8420.05 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
41	12.00	2353.56 (2)	8323.01 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
51	15.00	2447.21 (2)	8225.96 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
61	18.00	2540.85 (2)	8128.91 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
71	21.00	2634.49 (2)	8031.86 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
81	24.00	2728.14 (2)	7934.81 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
91	27.00	2821.78 (2)	7837.76 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
101	30.00	2915.42 (2)	7750.42 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

Palo n° 4

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	2583.85 (1)	9445.10 (1)	92.93 (1)	590.87 (1)	209.42 (1)	1331.51 (1)
11	3.00	2534.47 (1)	8983.52 (1)	28.06 (1)	178.43 (1)	25.01 (1)	159.03 (1)
21	6.00	2477.98 (1)	8517.10 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
31	9.00	2568.09 (1)	8420.05 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
41	12.00	2658.20 (1)	8323.01 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
51	15.00	2748.31 (1)	8225.96 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
61	18.00	2838.42 (1)	8128.91 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
71	21.00	2928.53 (1)	8031.86 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
81	24.00	3018.64 (1)	7934.81 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
91	27.00	3108.75 (1)	7837.76 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
101	30.00	3198.86 (1)	7750.42 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

Palo n° 5

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	2818.82 (1)	9445.10 (1)	94.24 (1)	590.87 (1)	212.37 (1)	1331.51 (1)
11	3.00	2758.58 (1)	8983.52 (1)	28.46 (1)	178.43 (1)	25.36 (1)	159.03 (1)
21	6.00	2690.81 (1)	8517.10 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
31	9.00	2778.51 (1)	8420.05 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
41	12.00	2866.21 (1)	8323.01 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
51	15.00	2953.91 (1)	8225.96 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
61	18.00	3041.61 (1)	8128.91 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
71	21.00	3129.31 (1)	8031.86 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
81	24.00	3217.01 (1)	7934.81 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
91	27.00	3304.71 (1)	7837.76 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
101	30.00	3392.41 (1)	7750.42 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

Palo n° 6

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	2901.41 (1)	9445.10 (1)	95.52 (1)	590.87 (1)	215.24 (1)	1331.51 (1)
11	3.00	2837.37 (1)	8983.52 (1)	28.84 (1)	178.43 (1)	25.71 (1)	159.03 (1)
21	6.00	2765.63 (1)	8517.10 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
31	9.00	2852.48 (1)	8420.05 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
41	12.00	2939.33 (1)	8323.01 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
51	15.00	3026.18 (1)	8225.96 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
61	18.00	3113.03 (1)	8128.91 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
71	21.00	3199.89 (1)	8031.86 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
81	24.00	3286.74 (1)	7934.81 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
91	27.00	3373.59 (1)	7837.76 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
101	30.00	3460.44 (1)	7750.42 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

Palo n° 7

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	2818.73 (1)	9445.10 (1)	96.61 (1)	590.87 (1)	217.71 (1)	1331.51 (1)
11	3.00	2758.50 (1)	8983.52 (1)	29.17 (1)	178.43 (1)	26.00 (1)	159.03 (1)
21	6.00	2690.74 (1)	8517.10 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
31	9.00	2778.44 (1)	8420.05 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
41	12.00	2866.14 (1)	8323.01 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
51	15.00	2953.84 (1)	8225.96 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
61	18.00	3041.54 (1)	8128.91 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
71	21.00	3129.24 (1)	8031.86 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
81	24.00	3216.93 (1)	7934.81 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
91	27.00	3304.63 (1)	7837.76 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
101	30.00	3392.33 (1)	7750.42 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

Palo n° 8

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	2583.73 (1)	9445.10 (1)	97.46 (1)	590.87 (1)	219.63 (1)	1331.51 (1)
11	3.00	2534.36 (1)	8983.52 (1)	29.43 (1)	178.43 (1)	26.23 (1)	159.03 (1)
21	6.00	2477.88 (1)	8517.10 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
31	9.00	2567.99 (1)	8420.05 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
41	12.00	2658.10 (1)	8323.01 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
51	15.00	2748.21 (1)	8225.96 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
61	18.00	2838.32 (1)	8128.91 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
71	21.00	2928.44 (1)	8031.86 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
81	24.00	3018.55 (1)	7934.81 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
91	27.00	3108.66 (1)	7837.76 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
101	30.00	3198.77 (1)	7750.42 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

Palo n° 9

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	2227.01 (1)	9445.10 (1)	98.04 (1)	590.87 (1)	220.93 (1)	1331.51 (1)
11	3.00	2194.11 (1)	8983.52 (1)	29.61 (1)	178.43 (1)	26.39 (1)	159.03 (1)
21	6.00	2154.75 (1)	8517.10 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
31	9.00	2248.52 (1)	8420.05 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
41	12.00	2342.30 (1)	8323.01 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
51	15.00	2436.07 (1)	8225.96 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
61	18.00	2529.85 (1)	8128.91 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
71	21.00	2623.62 (1)	8031.86 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
81	24.00	2717.39 (1)	7934.81 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
91	27.00	2811.17 (1)	7837.76 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
101	30.00	2904.94 (1)	7750.42 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

Palo n° 10

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1787.19 (1)	9445.10 (1)	98.36 (1)	590.87 (1)	221.65 (1)	1331.51 (1)
11	3.00	1774.60 (1)	8983.52 (1)	29.70 (1)	178.43 (1)	26.47 (1)	159.03 (1)
21	6.00	1756.36 (1)	8517.10 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
31	9.00	1854.65 (1)	8420.05 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
41	12.00	1952.94 (1)	8323.01 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
51	15.00	2051.22 (1)	8225.96 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
61	18.00	2149.51 (1)	8128.91 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
71	21.00	2247.80 (1)	8031.86 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
81	24.00	2346.09 (1)	7934.81 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
91	27.00	2444.38 (1)	7837.76 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
101	30.00	2542.67 (1)	7750.42 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

Palo n° 11

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1307.94 (1)	9445.10 (1)	98.46 (1)	590.87 (1)	221.87 (1)	1331.51 (1)
11	3.00	1317.49 (1)	8983.52 (1)	29.73 (1)	178.43 (1)	26.50 (1)	159.03 (1)
21	6.00	1322.26 (1)	8517.10 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
31	9.00	1425.47 (1)	8420.05 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
41	12.00	1528.67 (1)	8323.01 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
51	15.00	1631.88 (1)	8225.96 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
61	18.00	1735.09 (1)	8128.91 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
71	21.00	1838.30 (1)	8031.86 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
81	24.00	1941.51 (1)	7934.81 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
91	27.00	2044.71 (1)	7837.76 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
101	30.00	2147.92 (1)	7750.42 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

Palo n° 12

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1061.36 (4)	9445.10 (1)	98.36 (1)	590.87 (1)	221.65 (1)	1331.51 (1)
11	3.00	1082.29 (4)	8983.52 (1)	29.70 (1)	178.43 (1)	26.47 (1)	159.03 (1)
21	6.00	1098.90 (4)	8517.10 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
31	9.00	1204.64 (4)	8420.05 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
41	12.00	1310.38 (4)	8323.01 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
51	15.00	1416.12 (4)	8225.96 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
61	18.00	1521.86 (4)	8128.91 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
71	21.00	1627.60 (4)	8031.86 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
81	24.00	1733.34 (4)	7934.81 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
91	27.00	1839.07 (4)	7837.76 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
101	30.00	1944.81 (4)	7750.42 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

Palo n° 13

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1061.40 (4)	9445.10 (1)	98.04 (1)	590.87 (1)	220.93 (1)	1331.51 (1)
11	3.00	1082.34 (4)	8983.52 (1)	29.61 (1)	178.43 (1)	26.39 (1)	159.03 (1)
21	6.00	1098.94 (4)	8517.10 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
31	9.00	1204.68 (4)	8420.05 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
41	12.00	1310.42 (4)	8323.01 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
51	15.00	1416.16 (4)	8225.96 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
61	18.00	1521.90 (4)	8128.91 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
71	21.00	1627.64 (4)	8031.86 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
81	24.00	1733.37 (4)	7934.81 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
91	27.00	1839.11 (4)	7837.76 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
101	30.00	1944.85 (4)	7750.42 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

Palo n° 14

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1061.40 (4)	9445.10 (1)	97.46 (1)	590.87 (1)	219.64 (1)	1331.51 (1)
11	3.00	1082.33 (4)	8983.52 (1)	29.43 (1)	178.43 (1)	26.23 (1)	159.03 (1)
21	6.00	1098.93 (4)	8517.10 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
31	9.00	1204.67 (4)	8420.05 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
41	12.00	1310.41 (4)	8323.01 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
51	15.00	1416.15 (4)	8225.96 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
61	18.00	1521.89 (4)	8128.91 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
71	21.00	1627.63 (4)	8031.86 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
81	24.00	1733.37 (4)	7934.81 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
91	27.00	1839.11 (4)	7837.76 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
101	30.00	1944.84 (4)	7750.42 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

Palo n° 15

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1061.36 (4)	9445.10 (1)	96.61 (1)	590.87 (1)	217.71 (1)	1331.51 (1)
11	3.00	1082.29 (4)	8983.52 (1)	29.17 (1)	178.43 (1)	26.00 (1)	159.03 (1)
21	6.00	1098.90 (4)	8517.10 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
31	9.00	1204.64 (4)	8420.05 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
41	12.00	1310.38 (4)	8323.01 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
51	15.00	1416.12 (4)	8225.96 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
61	18.00	1521.86 (4)	8128.91 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
71	21.00	1627.60 (4)	8031.86 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
81	24.00	1734.30 (1)	7934.81 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
91	27.00	1925.91 (1)	7837.76 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
101	30.00	2117.53 (1)	7750.42 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

Palo n° 16

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1286.71 (2)	9445.10 (1)	95.52 (1)	590.87 (1)	215.24 (1)	1331.51 (1)
11	3.00	1297.23 (2)	8983.52 (1)	28.84 (1)	178.43 (1)	25.71 (1)	159.03 (1)
21	6.00	1303.02 (2)	8517.10 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
31	9.00	1406.45 (2)	8420.05 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
41	12.00	1509.87 (2)	8323.01 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
51	15.00	1613.30 (2)	8225.96 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
61	18.00	1716.73 (2)	8128.91 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
71	21.00	1820.15 (2)	8031.86 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
81	24.00	1923.58 (2)	7934.81 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
91	27.00	2027.00 (2)	7837.76 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
101	30.00	2130.43 (2)	7750.42 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

Palo n° 17

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1642.51 (2)	9445.10 (1)	94.24 (1)	590.87 (1)	212.37 (1)	1331.51 (1)
11	3.00	1636.60 (2)	8983.52 (1)	28.46 (1)	178.43 (1)	25.36 (1)	159.03 (1)
21	6.00	1625.31 (2)	8517.10 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
31	9.00	1725.09 (2)	8420.05 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
41	12.00	1824.86 (2)	8323.01 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
51	15.00	1924.63 (2)	8225.96 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
61	18.00	2024.41 (2)	8128.91 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
71	21.00	2124.18 (2)	8031.86 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
81	24.00	2223.95 (2)	7934.81 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
91	27.00	2323.73 (2)	7837.76 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
101	30.00	2423.50 (2)	7750.42 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

Palo n° 18

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1970.16 (2)	9445.10 (1)	92.93 (1)	590.87 (1)	209.42 (1)	1331.51 (1)
11	3.00	1949.13 (2)	8983.52 (1)	28.06 (1)	178.43 (1)	25.01 (1)	159.03 (1)
21	6.00	1922.10 (2)	8517.10 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
31	9.00	2018.51 (2)	8420.05 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
41	12.00	2114.92 (2)	8323.01 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
51	15.00	2211.33 (2)	8225.96 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
61	18.00	2307.74 (2)	8128.91 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
71	21.00	2404.15 (2)	8031.86 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
81	24.00	2500.56 (2)	7934.81 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
91	27.00	2596.97 (2)	7837.76 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
101	30.00	2693.38 (2)	7750.42 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

Palo n° 19

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	2239.62 (2)	9445.10 (1)	91.76 (1)	590.87 (1)	206.78 (1)	1331.51 (1)
11	3.00	2206.13 (2)	8983.52 (1)	27.71 (1)	178.43 (1)	24.70 (1)	159.03 (1)
21	6.00	2166.17 (2)	8517.10 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
31	9.00	2259.82 (2)	8420.05 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
41	12.00	2353.46 (2)	8323.01 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
51	15.00	2447.11 (2)	8225.96 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
61	18.00	2540.75 (2)	8128.91 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
71	21.00	2634.39 (2)	8031.86 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
81	24.00	2728.04 (2)	7934.81 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
91	27.00	2821.68 (2)	7837.76 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
101	30.00	2915.33 (2)	7750.42 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

Palo n° 20

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	2418.11 (2)	9445.10 (1)	90.94 (1)	590.87 (1)	204.93 (1)	1331.51 (1)
11	3.00	2376.39 (2)	8983.52 (1)	27.46 (1)	178.43 (1)	24.48 (1)	159.03 (1)
21	6.00	2327.85 (2)	8517.10 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
31	9.00	2419.67 (2)	8420.05 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
41	12.00	2511.48 (2)	8323.01 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
51	15.00	2603.29 (2)	8225.96 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
61	18.00	2695.10 (2)	8128.91 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
71	21.00	2786.91 (2)	8031.86 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
81	24.00	2878.73 (2)	7934.81 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
91	27.00	2970.54 (2)	7837.76 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)
101	30.00	3062.35 (2)	7750.42 (1)	0.00 (0)	0.00 (1)	0.00 (0)	0.00 (1)

Verifiche strutturali

Verifica a flessione

Pali in c.a.

Simbologia adottata

Y	ordinata della sezione a partire dalla testa positiva verso il basso, espressa in [m]
Af	Area armatura, espresso in [cmq]
Mu	Momento ultimo, espresso in [kNm]
Nu	Sforzo normale ultimo, espresso in [kN]
FS	Fattore di sicurezza

Palo n° 1

Y [m]	Af [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	1322.32	21943.88	8.848
3.00	54.29	160.82	21943.88	9.010
6.00	54.29	0.00	21943.88	9.205
9.00	54.29	0.00	21943.88	8.866
12.00	54.29	0.00	21943.88	8.551
15.00	54.29	0.00	21943.88	8.258
18.00	54.29	0.00	21943.88	7.984
21.00	54.29	0.00	21943.88	7.727
24.00	54.29	0.00	21943.88	7.487
27.00	54.29	0.00	21943.88	7.261
30.00	54.29	0.00	21943.88	7.048

Palo n° 2

Y [m]	Af [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	1354.77	21943.88	9.074
3.00	54.29	164.65	21943.88	9.233
6.00	54.29	0.00	21943.88	9.426
9.00	54.29	0.00	21943.88	9.068
12.00	54.29	0.00	21943.88	8.737
15.00	54.29	0.00	21943.88	8.429
18.00	54.29	0.00	21943.88	8.141
21.00	54.29	0.00	21943.88	7.873
24.00	54.29	0.00	21943.88	7.622
27.00	54.29	0.00	21943.88	7.387
30.00	54.29	0.00	21943.88	7.165

Palo n° 3

Y [m]	Af [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	1459.52	21943.88	9.798
3.00	54.29	176.96	21943.88	9.946
6.00	54.29	0.00	21943.88	10.130
9.00	54.29	0.00	21943.88	9.710
12.00	54.29	0.00	21943.88	9.324
15.00	54.29	0.00	21943.88	8.967
18.00	54.29	0.00	21943.88	8.636
21.00	54.29	0.00	21943.88	8.329
24.00	54.29	0.00	21943.88	8.044
27.00	54.29	0.00	21943.88	7.777
30.00	54.29	0.00	21943.88	7.527

Palo n° 4

Y [m]	Af [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	1778.53	21943.88	8.493
3.00	54.29	216.56	21943.88	8.658
6.00	54.29	0.00	21943.88	8.856
9.00	54.29	0.00	21943.88	8.545
12.00	54.29	0.00	21943.88	8.255
15.00	54.29	0.00	21943.88	7.985
18.00	54.29	0.00	21943.88	7.731
21.00	54.29	0.00	21943.88	7.493
24.00	54.29	0.00	21943.88	7.269
27.00	54.29	0.00	21943.88	7.059
30.00	54.29	0.00	21943.88	6.860



Palo n° 5

Y [m]	A _r [cmq]	M _u [kNm]	N _u [kN]	FS
0.00	54.29	1653.25	21943.88	7.785
3.00	54.29	201.77	21943.88	7.955
6.00	54.29	0.00	21943.88	8.155
9.00	54.29	0.00	21943.88	7.898
12.00	54.29	0.00	21943.88	7.656
15.00	54.29	0.00	21943.88	7.429
18.00	54.29	0.00	21943.88	7.215
21.00	54.29	0.00	21943.88	7.012
24.00	54.29	0.00	21943.88	6.821
27.00	54.29	0.00	21943.88	6.640
30.00	54.29	0.00	21943.88	6.469

Palo n° 6

Y [m]	A _r [cmq]	M _u [kNm]	N _u [kN]	FS
0.00	54.29	1627.92	21943.88	7.563
3.00	54.29	198.82	21943.88	7.734
6.00	54.29	0.00	21943.88	7.934
9.00	54.29	0.00	21943.88	7.693
12.00	54.29	0.00	21943.88	7.466
15.00	54.29	0.00	21943.88	7.251
18.00	54.29	0.00	21943.88	7.049
21.00	54.29	0.00	21943.88	6.858
24.00	54.29	0.00	21943.88	6.676
27.00	54.29	0.00	21943.88	6.505
30.00	54.29	0.00	21943.88	6.341

Palo n° 7

Y [m]	A _r [cmq]	M _u [kNm]	N _u [kN]	FS
0.00	54.29	1694.88	21943.88	7.785
3.00	54.29	206.85	21943.88	7.955
6.00	54.29	0.00	21943.88	8.155
9.00	54.29	0.00	21943.88	7.898
12.00	54.29	0.00	21943.88	7.656
15.00	54.29	0.00	21943.88	7.429
18.00	54.29	0.00	21943.88	7.215
21.00	54.29	0.00	21943.88	7.013
24.00	54.29	0.00	21943.88	6.821
27.00	54.29	0.00	21943.88	6.640
30.00	54.29	0.00	21943.88	6.469

Palo n° 8

Y [m]	A _r [cmq]	M _u [kNm]	N _u [kN]	FS
0.00	54.29	1865.37	21943.88	8.493
3.00	54.29	227.13	21943.88	8.659
6.00	54.29	0.00	21943.88	8.856
9.00	54.29	0.00	21943.88	8.545
12.00	54.29	0.00	21943.88	8.255
15.00	54.29	0.00	21943.88	7.985
18.00	54.29	0.00	21943.88	7.731
21.00	54.29	0.00	21943.88	7.493
24.00	54.29	0.00	21943.88	7.270
27.00	54.29	0.00	21943.88	7.059
30.00	54.29	0.00	21943.88	6.860

Palo n° 9

Y [m]	A _r [cmq]	M _u [kNm]	N _u [kN]	FS
0.00	54.29	2176.92	21943.88	9.854
3.00	54.29	263.90	21943.88	10.001
6.00	54.29	0.00	21943.88	10.184
9.00	54.29	0.00	21943.88	9.759
12.00	54.29	0.00	21943.88	9.369
15.00	54.29	0.00	21943.88	9.008
18.00	54.29	0.00	21943.88	8.674
21.00	54.29	0.00	21943.88	8.364
24.00	54.29	0.00	21943.88	8.075
27.00	54.29	0.00	21943.88	7.806
30.00	54.29	0.00	21943.88	7.554

Palo n° 10

Y [m]	A _r [cmq]	M _u [kNm]	N _u [kN]	FS
0.00	54.29	2632.68	21227.62	11.878
3.00	54.29	327.35	21943.88	12.366
6.00	54.29	0.00	21943.88	12.494
9.00	54.29	0.00	21943.88	11.832

Y [m]	A _r [cmq]	M _u [kNm]	N _u [kN]	FS
12.00	54.29	0.00	21943.88	11.236
15.00	54.29	0.00	21943.88	10.698
18.00	54.29	0.00	21943.88	10.209
21.00	54.29	0.00	21943.88	9.762
24.00	54.29	0.00	21943.88	9.353
27.00	54.29	0.00	21943.88	8.977
30.00	54.29	0.00	21943.88	8.630

Palo n° 11

Y [m]	A _r [cmq]	M _u [kNm]	N _u [kN]	FS
0.00	54.29	1949.29	1127.74	13.049
3.00	54.29	441.37	21943.88	16.656
6.00	54.29	0.00	21943.88	16.596
9.00	54.29	0.00	21943.88	15.394
12.00	54.29	0.00	21943.88	14.355
15.00	54.29	0.00	21943.88	13.447
18.00	54.29	0.00	21943.88	12.647
21.00	54.29	0.00	21943.88	11.937
24.00	54.29	0.00	21943.88	11.303
27.00	54.29	0.00	21943.88	10.732
30.00	54.29	0.00	21943.88	10.216

Palo n° 12

Y [m]	A _r [cmq]	M _u [kNm]	N _u [kN]	FS
0.00	54.29	2752.89	2771.62	18.443
3.00	54.29	0.00	21943.88	20.275
6.00	54.29	0.00	21943.88	19.969
9.00	54.29	0.00	21943.88	18.216
12.00	54.29	0.00	21943.88	16.746
15.00	54.29	0.00	21943.88	15.496
18.00	54.29	0.00	21943.88	14.419
21.00	54.29	0.00	21943.88	13.482
24.00	54.29	0.00	21943.88	12.660
27.00	54.29	0.00	21943.88	11.932
30.00	54.29	0.00	21943.88	11.283

Palo n° 13

Y [m]	A _r [cmq]	M _u [kNm]	N _u [kN]	FS
0.00	54.29	4066.47	6976.06	18.406
3.00	54.29	0.00	21943.88	20.275
6.00	54.29	0.00	21943.88	19.968
9.00	54.29	0.00	21943.88	18.215
12.00	54.29	0.00	21943.88	16.746
15.00	54.29	0.00	21943.88	15.495
18.00	54.29	0.00	21943.88	14.419
21.00	54.29	0.00	21943.88	13.482
24.00	54.29	0.00	21943.88	12.660
27.00	54.29	0.00	21943.88	11.932
30.00	54.29	0.00	21943.88	11.283

Palo n° 14

Y [m]	A _r [cmq]	M _u [kNm]	N _u [kN]	FS
0.00	54.29	1358.99	50.27	6.187
3.00	54.29	0.00	21943.88	20.275
6.00	54.29	0.00	21943.88	19.968
9.00	54.29	0.00	21943.88	18.216
12.00	54.29	0.00	21943.88	16.746
15.00	54.29	0.00	21943.88	15.495
18.00	54.29	0.00	21943.88	14.419
21.00	54.29	0.00	21943.88	13.482
24.00	54.29	0.00	21943.88	12.660
27.00	54.29	0.00	21943.88	11.932
30.00	54.29	0.00	21943.88	11.283

Palo n° 15

Y [m]	A _r [cmq]	M _u [kNm]	N _u [kN]	FS
0.00	54.29	795.76	-880.85	3.655
3.00	54.29	0.00	21943.88	20.275
6.00	54.29	0.00	21943.88	19.969
9.00	54.29	0.00	21943.88	18.216
12.00	54.29	0.00	21943.88	16.746
15.00	54.29	0.00	21943.88	15.496
18.00	54.29	0.00	21943.88	14.419
21.00	54.29	0.00	21943.88	13.482
24.00	54.29	0.00	21943.88	12.653
27.00	54.29	0.00	21943.88	11.394
30.00	54.29	0.00	21943.88	10.363

Palo n° 16

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	687.81	-1051.87	3.196
3.00	54.29	299.07	21943.88	16.916
6.00	54.29	0.00	21943.88	16.841
9.00	54.29	0.00	21943.88	15.602
12.00	54.29	0.00	21943.88	14.534
15.00	54.29	0.00	21943.88	13.602
18.00	54.29	0.00	21943.88	12.782
21.00	54.29	0.00	21943.88	12.056
24.00	54.29	0.00	21943.88	11.408
27.00	54.29	0.00	21943.88	10.826
30.00	54.29	0.00	21943.88	10.300

Palo n° 17

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	788.08	-893.03	3.711
3.00	54.29	237.28	21943.88	13.408
6.00	54.29	0.00	21943.88	13.501
9.00	54.29	0.00	21943.88	12.720
12.00	54.29	0.00	21943.88	12.025
15.00	54.29	0.00	21943.88	11.402
18.00	54.29	0.00	21943.88	10.840
21.00	54.29	0.00	21943.88	10.331
24.00	54.29	0.00	21943.88	9.867
27.00	54.29	0.00	21943.88	9.443
30.00	54.29	0.00	21943.88	9.055

Palo n° 18

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	1360.96	53.86	6.499
3.00	54.29	199.72	21943.88	11.258
6.00	54.29	0.00	21943.88	11.417
9.00	54.29	0.00	21943.88	10.871
12.00	54.29	0.00	21943.88	10.376
15.00	54.29	0.00	21943.88	9.923
18.00	54.29	0.00	21943.88	9.509
21.00	54.29	0.00	21943.88	9.127
24.00	54.29	0.00	21943.88	8.776
27.00	54.29	0.00	21943.88	8.450
30.00	54.29	0.00	21943.88	8.147

Palo n° 19

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	1459.58	21943.88	9.798
3.00	54.29	176.97	21943.88	9.947
6.00	54.29	0.00	21943.88	10.130
9.00	54.29	0.00	21943.88	9.710
12.00	54.29	0.00	21943.88	9.324
15.00	54.29	0.00	21943.88	8.967
18.00	54.29	0.00	21943.88	8.637
21.00	54.29	0.00	21943.88	8.330
24.00	54.29	0.00	21943.88	8.044
27.00	54.29	0.00	21943.88	7.777
30.00	54.29	0.00	21943.88	7.527

Palo n° 20

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	1354.91	21943.88	9.075
3.00	54.29	164.66	21943.88	9.234
6.00	54.29	0.00	21943.88	9.427
9.00	54.29	0.00	21943.88	9.069
12.00	54.29	0.00	21943.88	8.737
15.00	54.29	0.00	21943.88	8.429
18.00	54.29	0.00	21943.88	8.142
21.00	54.29	0.00	21943.88	7.874
24.00	54.29	0.00	21943.88	7.623
27.00	54.29	0.00	21943.88	7.387
30.00	54.29	0.00	21943.88	7.166

Verifica a taglio

Pali in c.a.

Simbologia adottata

Y	ordinata della sezione a partire dalla testa positiva verso il basso, espressa in [m]
V _{Rcd}	Taglio resistente a compressione, espresso in [kN]
V _{Rsd}	Taglio resistente a trazione, espresso in [kN]
V _{Rd}	Taglio resistente, espresso in [kN]
FS	Fattore di sicurezza

Palo n° 1

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2530.35	735.18	735.18	8.110
3.00	2533.48	735.18	735.18	26.857
6.00	2535.96	735.18	735.18	100.000
9.00	2551.75	735.18	735.18	100.000
12.00	2567.54	735.18	735.18	100.000
15.00	2583.33	735.18	735.18	100.000
18.00	2599.12	735.18	735.18	100.000
21.00	2614.90	735.18	735.18	100.000
24.00	2630.69	735.18	735.18	100.000
27.00	2646.48	735.18	735.18	100.000
30.00	2662.27	735.18	735.18	100.000

Palo n° 2

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2530.36	735.18	735.18	8.084
3.00	2533.49	735.18	735.18	26.770
6.00	2535.97	735.18	735.18	100.000
9.00	2551.76	735.18	735.18	100.000
12.00	2567.55	735.18	735.18	100.000
15.00	2583.34	735.18	735.18	100.000
18.00	2599.13	735.18	735.18	100.000
21.00	2614.91	735.18	735.18	100.000
24.00	2630.70	735.18	735.18	100.000
27.00	2646.49	735.18	735.18	100.000
30.00	2662.28	735.18	735.18	100.000

Palo n° 3

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2530.37	735.18	735.18	8.012
3.00	2533.50	735.18	735.18	26.531
6.00	2535.98	735.18	735.18	100.000
9.00	2551.76	735.18	735.18	100.000
12.00	2567.55	735.18	735.18	100.000
15.00	2583.34	735.18	735.18	100.000
18.00	2599.13	735.18	735.18	100.000
21.00	2614.92	735.18	735.18	100.000
24.00	2630.71	735.18	735.18	100.000
27.00	2646.50	735.18	735.18	100.000
30.00	2662.29	735.18	735.18	100.000

Palo n° 4

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2530.36	735.18	735.18	7.911
3.00	2533.49	735.18	735.18	26.197
6.00	2535.97	735.18	735.18	100.000
9.00	2551.76	735.18	735.18	100.000
12.00	2567.55	735.18	735.18	100.000
15.00	2583.34	735.18	735.18	100.000
18.00	2599.12	735.18	735.18	100.000
21.00	2614.91	735.18	735.18	100.000
24.00	2630.70	735.18	735.18	100.000
27.00	2646.49	735.18	735.18	100.000
30.00	2662.28	735.18	735.18	100.000

Palo n° 5

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2530.35	735.18	735.18	7.801
3.00	2533.48	735.18	735.18	25.833
6.00	2535.96	735.18	735.18	100.000
9.00	2551.75	735.18	735.18	100.000
12.00	2567.54	735.18	735.18	100.000
15.00	2583.33	735.18	735.18	100.000
18.00	2599.11	735.18	735.18	100.000
21.00	2614.90	735.18	735.18	100.000

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
24.00	2630.69	735.18	735.18	100.000
27.00	2646.48	735.18	735.18	100.000
30.00	2662.27	735.18	735.18	100.000

Palo n° 6

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2530.34	735.18	735.18	7.697
3.00	2533.47	735.18	735.18	25.488
6.00	2535.95	735.18	735.18	100.000
9.00	2551.74	735.18	735.18	100.000
12.00	2567.53	735.18	735.18	100.000
15.00	2583.32	735.18	735.18	100.000
18.00	2599.11	735.18	735.18	100.000
21.00	2614.90	735.18	735.18	100.000
24.00	2630.69	735.18	735.18	100.000
27.00	2646.47	735.18	735.18	100.000
30.00	2662.26	735.18	735.18	100.000

Palo n° 7

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2530.35	735.18	735.18	7.610
3.00	2533.48	735.18	735.18	25.199
6.00	2535.96	735.18	735.18	100.000
9.00	2551.75	735.18	735.18	100.000
12.00	2567.54	735.18	735.18	100.000
15.00	2583.33	735.18	735.18	100.000
18.00	2599.12	735.18	735.18	100.000
21.00	2614.91	735.18	735.18	100.000
24.00	2630.69	735.18	735.18	100.000
27.00	2646.48	735.18	735.18	100.000
30.00	2662.27	735.18	735.18	100.000

Palo n° 8

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2530.37	735.18	735.18	7.543
3.00	2533.49	735.18	735.18	24.979
6.00	2535.97	735.18	735.18	100.000
9.00	2551.76	735.18	735.18	100.000
12.00	2567.55	735.18	735.18	100.000
15.00	2583.34	735.18	735.18	100.000
18.00	2599.13	735.18	735.18	100.000
21.00	2614.92	735.18	735.18	100.000
24.00	2630.70	735.18	735.18	100.000
27.00	2646.49	735.18	735.18	100.000
30.00	2662.28	735.18	735.18	100.000

Palo n° 9

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2530.37	735.18	735.18	7.499
3.00	2533.49	735.18	735.18	24.832
6.00	2535.97	735.18	735.18	100.000
9.00	2551.76	735.18	735.18	100.000
12.00	2567.55	735.18	735.18	100.000
15.00	2583.34	735.18	735.18	100.000
18.00	2599.13	735.18	735.18	100.000
21.00	2614.92	735.18	735.18	100.000
24.00	2630.71	735.18	735.18	100.000
27.00	2646.50	735.18	735.18	100.000
30.00	2662.29	735.18	735.18	100.000

Palo n° 10

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2530.36	735.18	735.18	7.474
3.00	2533.49	735.18	735.18	24.751
6.00	2535.97	735.18	735.18	100.000
9.00	2551.75	735.18	735.18	100.000
12.00	2567.54	735.18	735.18	100.000
15.00	2583.33	735.18	735.18	100.000
18.00	2599.12	735.18	735.18	100.000
21.00	2614.91	735.18	735.18	100.000
24.00	2630.70	735.18	735.18	100.000
27.00	2646.49	735.18	735.18	100.000
30.00	2662.28	735.18	735.18	100.000

Palo n° 11

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2530.35	735.18	735.18	7.467
3.00	2533.48	735.18	735.18	24.726
6.00	2535.96	735.18	735.18	100.000
9.00	2551.75	735.18	735.18	100.000
12.00	2567.54	735.18	735.18	100.000
15.00	2583.33	735.18	735.18	100.000
18.00	2599.12	735.18	735.18	100.000
21.00	2614.90	735.18	735.18	100.000
24.00	2630.69	735.18	735.18	100.000
27.00	2646.48	735.18	735.18	100.000
30.00	2662.27	735.18	735.18	100.000

Palo n° 12

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2530.36	735.18	735.18	7.474
3.00	2533.48	735.18	735.18	24.751
6.00	2535.96	735.18	735.18	100.000
9.00	2551.75	735.18	735.18	100.000
12.00	2567.54	735.18	735.18	100.000
15.00	2583.33	735.18	735.18	100.000
18.00	2599.12	735.18	735.18	100.000
21.00	2614.91	735.18	735.18	100.000
24.00	2630.70	735.18	735.18	100.000
27.00	2646.49	735.18	735.18	100.000
30.00	2662.28	735.18	735.18	100.000

Palo n° 13

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2530.37	735.18	735.18	7.499
3.00	2533.49	735.18	735.18	24.832
6.00	2535.97	735.18	735.18	100.000
9.00	2551.76	735.18	735.18	100.000
12.00	2567.55	735.18	735.18	100.000
15.00	2583.34	735.18	735.18	100.000
18.00	2599.13	735.18	735.18	100.000
21.00	2614.92	735.18	735.18	100.000
24.00	2630.70	735.18	735.18	100.000
27.00	2646.49	735.18	735.18	100.000
30.00	2662.28	735.18	735.18	100.000

Palo n° 14

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2530.36	735.18	735.18	7.543
3.00	2533.49	735.18	735.18	24.978
6.00	2535.97	735.18	735.18	100.000
9.00	2551.76	735.18	735.18	100.000
12.00	2567.55	735.18	735.18	100.000
15.00	2583.34	735.18	735.18	100.000
18.00	2599.13	735.18	735.18	100.000
21.00	2614.91	735.18	735.18	100.000
24.00	2630.70	735.18	735.18	100.000
27.00	2646.49	735.18	735.18	100.000
30.00	2662.28	735.18	735.18	100.000

Palo n° 15

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2530.36	735.18	735.18	7.610
3.00	2533.48	735.18	735.18	25.199
6.00	2535.96	735.18	735.18	100.000
9.00	2551.75	735.18	735.18	100.000
12.00	2567.54	735.18	735.18	100.000
15.00	2583.33	735.18	735.18	100.000
18.00	2599.12	735.18	735.18	100.000
21.00	2614.91	735.18	735.18	100.000
24.00	2630.70	735.18	735.18	100.000
27.00	2646.49	735.18	735.18	100.000
30.00	2662.28	735.18	735.18	100.000

Palo n° 16

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2530.35	735.18	735.18	7.697
3.00	2533.48	735.18	735.18	25.488
6.00	2535.96	735.18	735.18	100.000
9.00	2551.75	735.18	735.18	100.000
12.00	2567.53	735.18	735.18	100.000
15.00	2583.32	735.18	735.18	100.000

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
18.00	2599.11	735.18	735.18	100.000
21.00	2614.90	735.18	735.18	100.000
24.00	2630.69	735.18	735.18	100.000
27.00	2646.48	735.18	735.18	100.000
30.00	2662.27	735.18	735.18	100.000

Palo n° 17

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2530.35	735.18	735.18	7.801
3.00	2533.48	735.18	735.18	25.833
6.00	2535.96	735.18	735.18	100.000
9.00	2551.75	735.18	735.18	100.000
12.00	2567.54	735.18	735.18	100.000
15.00	2583.33	735.18	735.18	100.000
18.00	2599.12	735.18	735.18	100.000
21.00	2614.91	735.18	735.18	100.000
24.00	2630.69	735.18	735.18	100.000
27.00	2646.48	735.18	735.18	100.000
30.00	2662.27	735.18	735.18	100.000

Palo n° 18

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2530.36	735.18	735.18	7.911
3.00	2533.49	735.18	735.18	26.197
6.00	2535.97	735.18	735.18	100.000
9.00	2551.76	735.18	735.18	100.000
12.00	2567.55	735.18	735.18	100.000
15.00	2583.34	735.18	735.18	100.000
18.00	2599.13	735.18	735.18	100.000
21.00	2614.91	735.18	735.18	100.000
24.00	2630.70	735.18	735.18	100.000
27.00	2646.49	735.18	735.18	100.000
30.00	2662.28	735.18	735.18	100.000

Palo n° 19

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2530.37	735.18	735.18	8.012
3.00	2533.49	735.18	735.18	26.532
6.00	2535.97	735.18	735.18	100.000
9.00	2551.76	735.18	735.18	100.000
12.00	2567.55	735.18	735.18	100.000
15.00	2583.34	735.18	735.18	100.000
18.00	2599.13	735.18	735.18	100.000
21.00	2614.92	735.18	735.18	100.000
24.00	2630.70	735.18	735.18	100.000
27.00	2646.49	735.18	735.18	100.000
30.00	2662.28	735.18	735.18	100.000

Palo n° 20

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2530.36	735.18	735.18	8.084
3.00	2533.48	735.18	735.18	26.770
6.00	2535.96	735.18	735.18	100.000
9.00	2551.75	735.18	735.18	100.000
12.00	2567.54	735.18	735.18	100.000
15.00	2583.33	735.18	735.18	100.000
18.00	2599.12	735.18	735.18	100.000
21.00	2614.91	735.18	735.18	100.000
24.00	2630.70	735.18	735.18	100.000
27.00	2646.49	735.18	735.18	100.000
30.00	2662.28	735.18	735.18	100.000

Verifiche geotecniche

Carico limite

Simbologia adottata

n°	Indice palo
Oggetto	Oggetto di appartenenza del palo (Piastra, Plinto o Trave)
N	Carico verticale agente alla testa del palo, espresso in [kN]
Pd	Portanza di progetto, espresso in [kN]
FSv	Fattore di sicurezza (Pd/N). Tra parentesi l'indice della combinazione con fattore di sicurezza minimo.
T	Carico orizzontale agente alla testa del palo, espresso in [kN]
Td	Portanza trasversale di progetto, espresso in [kN]
FSo	Fattore di sicurezza (Vd/V). Tra parentesi l'indice della combinazione con fattore di sicurezza minimo.

n°	Oggetto	N [kN]	Pd [kN]	FSv	T [kN]	Td [kN]	FSo
1	Piastra 1	2479.97	2946.16	1.188 (2)	90.65	454.51	5.014 (1)
2	Piastra 1	2418.38	2946.16	1.218 (2)	90.94	454.51	4.998 (1)
3	Piastra 1	2239.73	2946.16	1.315 (2)	91.76	454.51	4.953 (1)
4	Piastra 1	2583.85	2946.16	1.140 (1)	92.93	454.51	4.891 (1)
5	Piastra 1	2818.82	2946.16	1.045 (1)	94.24	454.51	4.823 (1)
6	Piastra 1	2901.41	2946.16	1.015 (1)	95.52	454.51	4.759 (1)
7	Piastra 1	2818.73	2946.16	1.045 (1)	96.61	454.51	4.705 (1)
8	Piastra 1	2583.73	2946.16	1.140 (1)	97.46	454.51	4.663 (1)
9	Piastra 1	2227.01	2946.16	1.323 (1)	98.04	454.51	4.636 (1)
10	Piastra 1	1787.19	2946.16	1.648 (1)	98.36	454.51	4.621 (1)
11	Piastra 1	1307.94	2946.16	2.253 (1)	98.46	454.51	4.616 (1)
12	Piastra 1	1061.36	2946.16	2.776 (4)	98.36	454.51	4.621 (1)
13	Piastra 1	1061.40	2946.16	2.776 (4)	98.04	454.51	4.636 (1)
14	Piastra 1	1061.40	2946.16	2.776 (4)	97.46	454.51	4.663 (1)
15	Piastra 1	1061.36	2946.16	2.776 (4)	96.61	454.51	4.705 (1)
16	Piastra 1	1286.71	2946.16	2.290 (2)	95.52	454.51	4.759 (1)
17	Piastra 1	1642.51	2946.16	1.794 (2)	94.24	454.51	4.823 (1)
18	Piastra 1	1970.16	2946.16	1.495 (2)	92.93	454.51	4.891 (1)
19	Piastra 1	2239.62	2946.16	1.315 (2)	91.76	454.51	4.953 (1)
20	Piastra 1	2418.11	2946.16	1.218 (2)	90.94	454.51	4.998 (1)

Armatura richiesta

