



REGIONE PUGLIA
COMUNE DI CERIGNOLA (FG) E
COMUNE DI SAN FERDINANDO DI PUGLIA (BT)

PROGETTO

PROGETTO DEFINITIVO PER LA REALIZZAZIONE
DI UN PARCO EOLICO DENOMINATO "SAN CASSANIELLO"
NEI COMUNI DI CERIGNOLA (FG) E SAN FERDINANDO DI PUGLIA (BT)

TITOLO

CALCOLI PRELIMINARI DELLE STRUTTURE

PROGETTAZIONE	PROPONENTE	VISTI
<p>Via Degli Arredatori, 8 70026 Modugno (BA) - Italy www.bfpgroup.net - info@bfpgroup.net tel (+39) 0805046361</p> <p>Azienda con Sistema di Gestione Certificato UNI EN ISO 9001:2015 UNI EN ISO 14001:2015 UNI ISO 45001:2018</p> <p>Tecnico ing. Danilo POMPONIO ing. Mariano MARSEGLIA</p> <p>Collaborazioni ing. Milena MIGLIONICO ing. Giulia CARELLA ing. Antonio CAPOBIANCO ing. Giovanna SCUDERI ing. Giuseppe Federico ZINGARELLI ing. Dionisio STAFFIERI</p> <p>Responsabile Commessa ing. Danilo POMPONIO</p>	<p>INERGIA S.p.a.</p> <p>Sede Operativa: Via Cola D'Amatrice n.1 63100 ASCOLI PICENO Tel.: 0736/342490 Fax: 0736/341243</p> <p>Sede legale: Via Tirso n. 26 00198 ROMA Tel.: 06/97746380 Fax: 06/97746381</p> <p>www.inergia.it e-mail: info@inergia.it PEC: direzione.inergia@legalmail.it</p> <p>CERTIFIED MANAGEMENT SYSTEM CQY CERTIQUALITY UNI EN ISO 9001:2015 UNI EN ISO 14001:2015 UNI ISO 45001:2018</p>	

DATI PROGETTAZIONE

Cod. Progetto	Commessa	
23087	23087	

Scala	Formato Stampa	Cod. Elaborato	Rev.	Nome File	Elaborato	Foglio
-	A4	EO-SFE-PD-OCV-12	a	EO-SFE-PD-OCV-12 -Calcoli Preliminari delle Strutture.doc	1	1 di 92

Rev.	Data	Descrizione	Elaborato	Controllato	Approvato
a	15/01/2024	Prima Emissione	Marseglia	A.Corradetti	R.Caioli

PARCO EOLICO "SAN CASSANIELLO"	Calcoli Preliminari delle Strutture	EO-SFE-PD-OCV-12
-----------------------------------	--	------------------

INDICE

1. PREMESSA.....	1
2. NORMATIVE DI RIFERIMENTO	2
3. RICHIAMI TEORICI - METODI DI ANALISI.....	3

È vietato riprodurre o utilizzare il contenuto senza autorizzazione (art. 2575 c.c.)



INERGIA Spa
Sede Legale ROMA
Via Tirso, 26 - 00198

Sede Operativa ASCOLI PICENO
Via Cola d'Amatrice, 1 - 63100
Tel.0736 342490 - Fax 0736 341243

www.inergia.it
info@inergia.it
direzione.inergia@legalmail.it

PARCO EOLICO "SAN CASSANIELLO"	Calcoli Preliminari delle Strutture	EO-SFE-PD-OCV-12
-----------------------------------	--	------------------

1. PREMESSA

Oggetto della presente è la progettazione definitiva per la realizzazione di un parco eolico proposto dalla società **Inergia S.p.a.**

La proposta progettuale è finalizzata alla realizzazione di un impianto eolico per la produzione di energia elettrica da fonte rinnovabile eolica, costituito da 12 aerogeneratori, ciascuno di potenza nominale pari a 7,2 MW per una potenza complessiva di 86,40 MW, da realizzarsi nelle Province di Foggia e di Barletta-Andria-Trani, nei territori comunali di Cerignola (FG) e San Ferdinando di Puglia (BT), in cui insistono gli aerogeneratori e le opere di connessione alla RTN.

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 172 m, altezza mozzo 114 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.



PARCO EOLICO "SAN CASSANIELLO"	Calcoli Preliminari delle Strutture	EO-SFE-PD-OCV-12
-----------------------------------	--	------------------

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.



PARCO EOLICO "SAN CASSANIELLO"	Calcoli Preliminari delle Strutture	EO-SFE-PD-OCV-12
-----------------------------------	--	------------------

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 rotazione intorno agli assi x e y , ϕ_x e ϕ_y , legati allo spostamento w tramite relazioni

$$\phi_x = -dw/dy$$

$$\phi_y = dw/dx$$

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

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

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

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

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

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

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

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

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

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

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 ϕ 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 solitamente 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:

$$Q_t = Q_p + Q_s - W_p$$



PARCO EOLICO "SAN CASSANIELLO"	Calcoli Preliminari delle Strutture	EO-SFE-PD-OCV-12
-----------------------------------	--	------------------

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 η_p ed il coefficiente di sicurezza della portanza per attrito laterale η_l .

Palo compresso:

$$Q_d = \frac{Q_p}{\eta_p} + \frac{Q_l}{\eta_l} - W_p$$

Palo teso:

$$Q_d = \frac{Q_l}{\eta_l} - W_p$$

Capacità portante di punta

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

$$Q_p = A_p \left(cN'_c + qN'_q + \frac{1}{2} B\gamma N'_\gamma \right)$$

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
 γ è il peso specifico del terreno
 D è il diametro del palo
 N'_c N'_q N'_γ sono i coefficienti di capacità portante corretti per tener conto degli effetti di forma e di profondità.

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:

$$Q_l = \int_s \tau_a ds$$

dove τ_a è dato dalla nota relazione di Coulomb

$$\tau_a = c_a + \sigma_h \tan \delta$$

dove:

c_a è l'adesione palo-terreno
 δ è l'angolo di attrito palo-terreno
 γ è il peso specifico del terreno
 Z è la generica quota a partire dalla testa del palo
 L è la lunghezza del palo
 P è 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.



PARCO EOLICO "SAN CASSANIELLO"	Calcoli Preliminari delle Strutture	EO-SFE-PD-OCV-12
-----------------------------------	--	------------------

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 l'abbassamento di 1 cm.

Nel metodo degli elementi finiti occorre discretizzare il particolare problema. Nel caso specifico 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. È evidente che assumendo un comportamento di questo tipo ci si addentra in un tipico problema non lineare che può essere risolto solo mediante una analisi al passo.

Questa modellazione presenta il notevole vantaggio di poter schematizzare tutti quei comportamenti individuati da Broms e che sarebbe impossibile trattare in un modello numerico. In particolare risulta automatico analizzare casi in cui si ha insufficiente portanza non per rottura del palo ma per rottura del terreno (vedi il caso di un palo molto rigido in un terreno molle).

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
TC	Tipo calcestruzzo
Rck	Resistenza cubica caratteristica, espresso in [kg/cmq]
fc _m	Resistenza caratteristica media (solo per verifica strutture esistenti), espressa 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]	fc _m [kN/mc]	γ _{cls} [kg/cmq]	E [kg/cmq]	ν	n	TA
1	Clis 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

Geometria

Struttura:	Nuova
Materiale:	Clis Pali
Piano di posa:	2.50 [m]
Aliquota costante di Winkler:	1.00 [kg/cmq/cm]
Filo fisso:	Inferiore
Disposizioni travi:	Superiore
Spessore magrone:	0.00 [m]

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

Sp [cm]	n°	X [m]	Y [m]	n°	X [m]	Y [m]	n°	X [m]	Y [m]	n°	X [m]	Y [m]
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
Struttura	Nuova o Esistente
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)
Cpl	Coeff. riduzione portanza laterale
Vincolo	Grado di vincolo alla testa del palo (Incastro o Cerniera)
TC	Tipologia costruttiva del palo (Trivellato, Infisso, Elica continua)
Mat	Indice materiale tipologia palo
Pt	Pressione quota testa palo, espressa in [kg/cm ²]

n°	Descrizione	Struttura	Geometria	Armatura	Portanza	Cpl	Vincolo	TC	Mat	Pt [kg/cm ²]
1	Tipologia 1	Nuova	Pali circolari in c.a.	Ferri longitudinali + spirale	Entrambe	1.00	Incastro	Trivellato	1	0.00

Caratteristiche pali

Simbologia adottata

n°	Indice palo
It	Indice tipologia 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

n°	It	X [m]	Y [m]	D [cm]	L [m]	Nodo
1	1	23.00	11.50	150.00	30.00	11
2	1	22.44	15.05	150.00	30.00	46
3	1	20.80	18.26	150.00	30.00	99
4	1	18.26	20.80	150.00	30.00	148
5	1	15.05	22.44	150.00	30.00	225
6	1	11.50	23.00	150.00	30.00	276
7	1	7.95	22.44	150.00	30.00	332
8	1	4.74	20.80	150.00	30.00	376
9	1	2.20	18.26	150.00	30.00	409
10	1	0.56	15.05	150.00	30.00	450
11	1	0.00	11.50	150.00	30.00	449
12	1	0.56	7.95	150.00	30.00	424
13	1	2.20	4.74	150.00	30.00	370
14	1	4.74	2.20	150.00	30.00	325
15	1	7.95	0.56	150.00	30.00	278
16	1	11.50	0.00	150.00	30.00	221
17	1	15.05	0.56	150.00	30.00	161
18	1	18.26	2.20	150.00	30.00	86
19	1	20.80	4.74	150.00	30.00	44
20	1	22.44	7.95	150.00	30.00	7

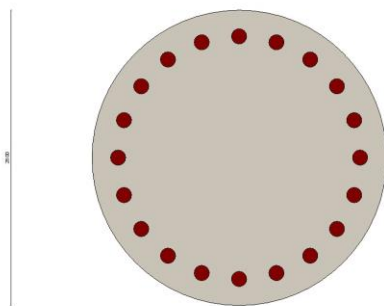


Fig. 1 - Geometria

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/cmq]
ca	Adesione del terreno espressa in [kg/cmq]
τ_1	Tensione tangenziale, per calcolo portanza micropali con il metodo di Bustamante-Doix, espressa in [kg/cmq]
α	Coeff. di espansione laterale

Descrizione	γ [kN/mc]	γ_{sat} [kN/mc]	Parametri	ϕ [°]	δ [°]	c [kg/cmq]	ca [kg/cmq]	τ_1 [kg/cmq]	α
Terreno Vegetale	16.000	16.000	Caratteristici	15.00	10.00	0.000	0.000	1.006	1.50
			Minimi	15.00	10.00	0.000	0.000	1.006	
			Medi	15.00	10.00	0.000	0.000	1.006	
Sabbie mediamente consistenti	19.000	19.500	Caratteristici	27.00	18.00	0.300	0.150	1.006	1.90
			Minimi	27.00	18.00	0.300	0.150	1.006	
			Medi	27.00	18.00	0.300	0.150	1.006	

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	Coeff. di spinta per calcolo resistenza attrito laterale facce verticale fondazione
Ksp	Coeff. di spinta per calcolo portanza pali
Kw	Costante di Winkler orizzontale espressa in [Kg/cm ² /cm]
α	Coeff. di sbulbatura

	Colonna 1	Colonna 2	Colonna 3
X [m]	0.00	10.00	0.00
Y [m]	0.00	0.00	10.00

N	Z1 [m]	Z2 [m]	Z3 [m]	Terreno	Ks	Ksp	Kw [Kg/cm ² /cm]	α
1	-2.0	-2.0	-2.0	Terreno Vegetale	0.000	2.460	1.000	1.000
2	-30.0	-30.0	-30.0	Sabbie mediamente consistenti	0.000	0.000	0.000	1.000

Falda

Profondità dal piano campagna 10.00 [m]

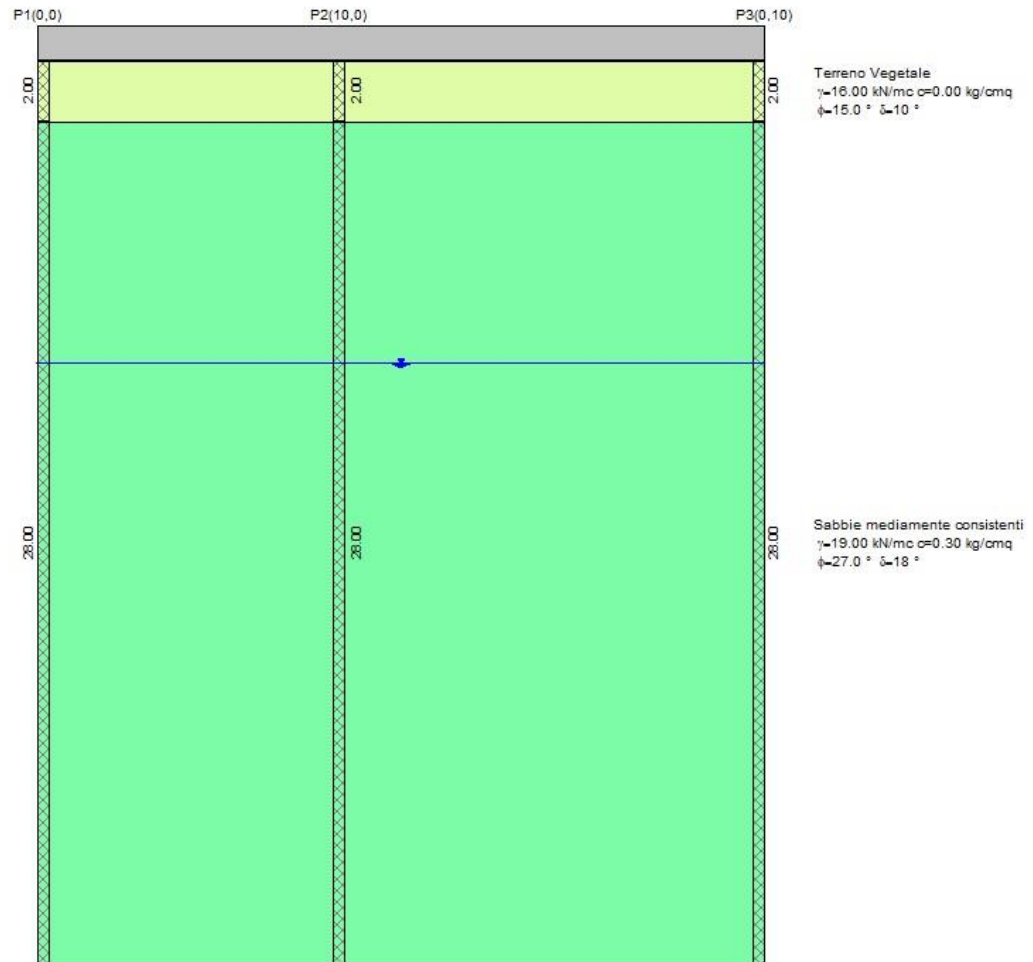


Fig. 2 - Stratigrafia

Costante di Winkler

Direzione	Simbolo	Kw [Kg/cm ² /cm]
Verticale	Kwv	0.000
Orizzontale	Kwo	Calcolata dal programma (Kwo=Kwv*tan(ϕ))

Convenzioni adottate

Carichi e reazioni vincolari

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

Sollecitazioni

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

Condizioni di carico

Carichi concentrati Simbologia adottata

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

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

Carichi concentrati

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

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

Carichi concentrati

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

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

Carichi concentrati

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

Peso proprio

Oggetto	Pt [kN]
Piastra	25754.4306

Normativa - Coefficienti di sicurezza

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

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

Coefficienti parziali per i parametri geotecnici del terreno

PARAMETRO	GRANDEZZA	Coefficiente parziale	(M1)
Tangente dell'angolo di resistenza al taglio	$\tan \phi^k$	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 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

PARCO EOLICO "SAN CASSANIELLO"	Calcoli Preliminari delle Strutture	EO-SFE-PD-OCV-12
---	--	-------------------------

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 verticale pali

Metodo calcolo portanza	Berezantzev
Andamento pressione verticale per calcolo portanza di punta	Pressione geostatica
Andamento pressione verticale per calcolo portanza laterale	Pressione geostatica
Correzione angolo di attrito in funzione del tipo di palo (infisso, trivellato o ad elica continua)	SI
Considera coeff. di sbulbatura anche nel calcolo della portanza alla punta	NO
Applica coeff. parziale azione peso proprio palo e attrito negativo	NO

Portanza trasversale pali

Costante di Winkler costante pari a 1.00 [Kg/cm²/cm]
Rottura palo-terreno

Pressione limite pari alla pressione passiva con moltiplicatore pari a 3.00

Applica coeff. parziali ξ_3 e ξ_4 (NTC 2008/2018): NO

Cedimenti

Metodo calcolo cedimenti: Elementi finiti
Spostamento limite attrito laterale 0.50[cm]
Spostamento limite punta 1.00[cm]

Analisi interazione fondazione-terreno

Modello	Winkler
Terreno resistente a trazione	NO
Costante di Winkler orizzontale superficiale	Imposta da Utente
Rigidezza terreno fondazione	Costante per tutte le combinazioni
Raggio di influenza	Usa tutta la fondazione
Tolleranza nella soluzione	0.0100

Opzioni calcolo cedimenti

Metodo calcolo tensioni	Boussinesq
Metodo calcolo cedimenti	Edometrico (con modulo edometrico)
Profondità calcolo cedimenti	Automatica
ΔH suddivisione massima strati	1.00 [m]



PARCO EOLICO "SAN CASSANIELLO"	Calcoli Preliminari delle Strutture	EO-SFE-PD-OCV-12
-----------------------------------	--	------------------

Piastra infinitamente rigida
 Fattore di rigidezza della sovrastruttura 0.00
 Considera peso terreno gravante sulla piastra NO
Considera partecipazione sisma sul terreno ricoprimento NO

Modello

Caratteristiche Mesh

Numero elementi 870
 Numero nodi 468

Risultati Piastra

Risultati analisi

Spostamento massimo	0.460952 [cm]	[combinazione 1]
Spostamento minimo	-0.073963 [cm]	[combinazione 1]
Momento massimo intorno ad X	16077.7529 [kNm]	[combinazione 1]
Momento minimo intorno ad X	-9459.5284 [kNm]	[combinazione 1]
Momento massimo intorno ad Y	18014.2056 [kNm]	[combinazione 1]
Momento minimo intorno ad Y	-12737.4304 [kNm]	[combinazione 1]

Combinazione n° 1

Carico totale	41998.7598 [kN]	
Risultante pali	41998.7592 [kN]	
Reazione terreno	0.0000 [kN]	
Pressione massima sul terreno	0.00000	[kg/cmq]
Cedimento differenziale massimo	5.35	[mm]
Carico totale dir. X	0.0000 [kN]	
Carico totale dir. Y	1900.0000 [kN]	
Risultante pali X	0.0000 [kN]	
Risultante pali Y	1900.0000 [kN]	

Combinazione n° 2

Carico totale	41187.7598 [kN]	
Risultante pali	41187.7598 [kN]	
Reazione terreno	0.0000 [kN]	
Pressione massima sul terreno	0.00000	[kg/cmq]
Cedimento differenziale massimo	4.28	[mm]
Carico totale dir. X	1320.0000 [kN]	
Carico totale dir. Y	0.0000 [kN]	
Risultante pali X	1320.0000 [kN]	
Risultante pali Y	0.0000 [kN]	

Combinazione n° 3

Carico totale	41025.7598 [kN]	
Risultante pali	41025.7598 [kN]	
Reazione terreno	0.0000 [kN]	
Pressione massima sul terreno	0.00000	[kg/cmq]
Cedimento differenziale massimo	3.48	[mm]
Carico totale dir. X	1010.0000 [kN]	
Carico totale dir. Y	0.0000 [kN]	
Risultante pali X	1010.0000 [kN]	
Risultante pali Y	0.0000 [kN]	



PARCO EOLICO "SAN CASSANIELLO"	Calcoli Preliminari delle Strutture	EO-SFE-PD-OCV-12
-----------------------------------	--	------------------

Combinazione n° 4

Carico totale	33480.7598 [kN]	
Risultante pali	33480.7598 [kN]	
Reazione terreno	0.0000 [kN]	
Pressione massima sul terreno	0.00000	[kg/cmq]
Cedimento differenziale massimo	0.99	[mm]

Risultati inviluppo

Spostamenti

Spostamenti massimi e minimi della piastra

Simbologia adottata

Ic	Indice della combinazione
w	Spostamento verticale, espresso in [cm]
u	Spostamento direzione X, espresso in [cm]
v	Spostamento direzione Y, espresso in [cm]
ϕ_x	Rotazione intorno all'asse X, espressa in [°]
ϕ_y	Rotazione intorno all'asse Y, espressa in [°]
p	Pressione sul terreno (solo per calcolo fondazione), espressa in [kg/cmq]
kw	Costante di Winkler (solo per calcolo fondazione), espressa in [kg/cm ² /cm]. Il valore viene stampato solo se si è utilizzato il modello di interazione

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

In	X [m]	Y [m]		Valore	UM	Cmb	
236	11.45	16.71	w	0.460529	[cm]	1	MAX
275	11.50	-2.50		-0.073963		1	MIN
338	11.50	25.50	ux	0.077685	[cm]	3	MAX
224	14.23	-2.23		-0.004936		1	MIN
466	-2.50	11.50	uy	0.100446	[cm]	1	MAX
16	25.50	11.50		-0.026860		3	MIN
257	10.35	11.53	ϕ_x	0.000344	[°]	2	MAX
73	17.91	15.99		-0.000193		1	MIN
151	15.88	19.69	ϕ_y	0.000174	[°]	2	MAX
213	11.59	10.27		-0.000447		1	MIN

Sollecitazioni

Sollecitazioni massime e minime piastra

Simbologia adottata

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

In	X [m]	Y [m]		Valore	UM	Cmb	
229	11.50	14.50	Mx	16077.7529	[kNm]	1	MAX
208	11.50	8.50		-9459.5284		1	MIN
229	11.50	14.50	My	18014.2056	[kNm]	1	MAX
208	11.50	8.50		-12737.4304		1	MIN
309	8.50	11.50	Mxy	2514.1325	[kNm]	1	MAX
144	14.01	10.25		-2514.0355		1	MIN
193	12.75	11.54	Nx	0.78	[kg/cmq]	2	MAX
257	10.35	11.53		-0.85		2	MIN
226	11.55	12.67	Ny	1.15	[kg/cmq]	1	MAX
213	11.59	10.27		-1.11		1	MIN
193	12.75	11.54	Nxy	0.43	[kg/cmq]	1	MAX
257	10.35	11.53		-0.52		1	MIN



Verifiche strutturali

Verifica a flessione

Simbologia adottata

- Is Identificativo tratto-sezione-direzione (P: direzione principale, S: direzione secondaria)
- A_{fi} Area di armatura lembo inferiore espressa in [cmq]
- A_{fs} Area di armatura lembo superiore espressa in [cmq]
- M_u Momento ultimo espresso in [kNm]
- N_u Sforzo normale ultimo espresso in [kN]
- FS Fattore di sicurezza

Is	A _{fi} [cmq]	A _{fs} [cmq]	M _u [kNm]	N _u [kN]	FS
1-1-P	8.04	8.04	356.78	1.65	6.810
1-2-P	8.04	8.04	357.12	1.54	3.425
1-3-P	8.04	8.04	358.88	3.54	2.232
1-4-P	8.04	8.04	359.38	3.25	1.626
1-5-P	16.08	16.08	715.99	5.27	2.537
1-6-P	16.08	16.08	716.10	4.57	2.108
1-7-P	16.08	16.08	716.40	4.23	1.791
1-8-P	24.13	24.13	1072.66	5.87	2.310
1-9-P	24.13	24.13	1072.92	5.44	2.014
1-10-P	24.13	24.13	1073.30	5.26	1.782
1-11-P	32.17	32.17	1429.32	6.82	2.193
1-12-P	32.17	32.17	1429.35	6.35	2.053
1-13-P	32.17	32.17	1429.28	5.69	1.940
1-14-P	32.17	32.17	1429.22	5.03	1.836
1-15-P	32.17	32.17	1429.24	4.54	1.752
1-16-P	32.17	32.17	1429.26	4.23	1.710
1-17-P	32.17	32.17	1429.13	3.83	1.681
1-18-P	32.17	32.17	1428.94	3.29	1.644
1-19-P	40.21	40.21	1783.98	3.39	2.003
1-20-P	40.21	40.21	1783.42	2.17	1.943
1-21-P	40.21	40.21	1782.45	0.20	1.866
1-22-P	40.21	40.21	1781.33	-1.66	1.833
1-23-P	40.21	40.21	1780.66	-2.69	1.816
1-24-P	32.17	32.17	1425.73	-2.60	1.447
1-25-P	32.17	32.17	1425.42	-2.99	1.441
1-26-P	32.17	32.17	1425.17	-3.26	1.434
1-27-P	32.17	32.17	1424.88	-3.46	1.443
1-28-P	32.17	32.17	1424.40	-3.80	1.485
1-29-P	32.17	32.17	1423.85	-4.26	1.539
1-30-P	32.17	32.17	1423.32	-4.70	1.598
1-31-P	32.17	32.17	1422.89	-4.95	1.671
1-32-P	24.13	24.13	1068.40	-3.73	1.324
1-33-P	24.13	24.13	1067.92	-3.74	1.450
1-34-P	24.13	24.13	1067.34	-3.90	1.602
1-35-P	16.08	16.08	712.62	-2.72	1.195
1-36-P	16.08	16.08	712.08	-2.82	1.350
1-37-P	16.08	16.08	711.43	-3.11	1.544
1-38-P	16.08	8.04	704.73	-3.60	1.846
1-39-P	16.08	8.04	702.51	-3.80	2.452
1-40-P	8.04	8.04	355.16	-2.03	1.858
1-41-P	8.04	8.04	354.69	-2.14	3.707
2-1-P	16.08	8.04	702.89	3.90	7.579
2-2-P	8.04	8.04	358.31	2.02	1.915
2-3-P	16.08	16.08	715.37	4.17	2.656
2-4-P	16.08	16.08	716.32	4.21	2.088
2-5-P	24.13	24.13	1073.24	6.27	2.584
2-6-P	32.17	32.17	1430.15	8.30	2.937
2-7-P	32.17	32.17	1431.04	8.24	2.564
2-8-P	40.21	40.21	1787.95	10.54	2.915
2-9-P	40.21	40.21	1788.13	10.76	2.912
2-10-P	40.21	40.21	1788.16	10.81	2.928
2-11-P	40.21	40.21	1788.07	10.65	2.940
2-12-P	40.21	40.21	1787.78	10.10	2.947
2-13-P	40.21	40.21	1792.29	18.48	2.768
2-14-P	40.21	40.21	1790.02	14.27	2.604
2-15-P	40.21	40.21	1788.17	10.82	2.462
2-16-P	40.21	40.21	1786.82	8.32	2.346
2-17-P	40.21	40.21	1786.02	6.84	2.219
2-18-P	40.21	40.21	1785.79	6.41	2.125
2-19-P	40.21	40.21	1785.65	6.15	2.045
2-20-P	40.21	40.21	1785.49	5.85	1.969
2-21-P	40.21	40.21	1785.42	5.73	1.901
2-22-P	40.21	40.21	1786.65	8.01	1.877
2-23-P	40.21	40.21	1787.48	9.55	1.871
2-24-P	40.21	40.21	1787.62	9.81	1.870
2-25-P	40.21	40.21	1787.51	9.60	1.872
2-26-P	40.21	40.21	1786.75	8.18	1.895
2-27-P	40.21	40.21	1785.18	5.27	1.927
2-28-P	40.21	40.21	1783.67	2.48	1.897
2-29-P	40.21	40.21	1782.42	0.14	1.838
2-30-P	40.21	40.21	1781.20	-2.05	1.781
2-31-P	40.21	40.21	1779.90	-4.40	1.705

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
2-32-P	40.21	40.21	1778.63	-6.68	1.603
2-33-P	40.21	40.21	1778.08	-7.68	1.543
2-34-P	40.21	40.21	1778.04	-7.75	1.520
2-35-P	40.21	40.21	1778.21	-7.44	1.500
2-36-P	40.21	40.21	1778.95	-6.11	1.483
2-37-P	40.21	40.21	1779.99	-4.24	1.476
2-38-P	40.21	40.21	1779.99	-4.24	1.495
2-39-P	40.21	40.21	1779.92	-4.36	1.517
2-40-P	40.21	40.21	1779.88	-4.44	1.539
2-41-P	40.21	40.21	1779.77	-4.63	1.566
2-42-P	40.21	40.21	1779.30	-5.47	1.599
2-43-P	40.21	40.21	1778.57	-6.79	1.588
2-44-P	40.21	40.21	1777.65	-8.44	1.574
2-45-P	40.21	40.21	1776.66	-10.23	1.558
2-46-P	40.21	40.21	1775.75	-11.87	1.547
2-47-P	40.21	40.21	1775.43	-12.45	1.549
2-48-P	40.21	40.21	1775.33	-12.63	1.554
2-49-P	40.21	40.21	1775.34	-12.61	1.558
2-50-P	40.21	40.21	1775.38	-12.41	1.575
2-51-P	32.17	32.17	1421.19	-9.75	1.398
2-52-P	32.17	32.17	1420.19	-9.89	1.611
2-53-P	24.13	24.13	1065.69	-7.53	1.427
2-54-P	16.08	16.08	711.22	-5.10	1.160
2-55-P	16.08	16.08	710.30	-5.10	1.489
2-56-P	8.04	8.04	355.84	-2.50	1.089
2-57-P	16.08	8.04	698.63	-4.92	4.367
3-1-P	8.04	8.04	360.15	7.07	3.090
3-2-P	8.04	8.04	361.59	7.19	1.555
3-3-P	16.08	16.08	721.92	14.52	2.074
3-4-P	24.13	24.13	1073.56	6.03	2.422
3-5-P	32.17	32.17	1430.41	7.52	2.655
3-6-P	40.21	40.21	1787.28	9.18	2.840
3-7-P	40.21	40.21	1787.26	9.14	2.810
3-8-P	40.21	40.21	1787.29	9.20	2.780
3-9-P	40.21	40.21	1787.56	9.70	2.752
3-10-P	40.21	40.21	1787.88	10.28	2.725
3-11-P	40.21	40.21	1788.09	10.67	2.696
3-12-P	40.21	40.21	1788.17	10.82	2.669
3-13-P	40.21	40.21	1788.17	10.83	2.644
3-14-P	40.21	40.21	1788.89	12.16	2.658
3-15-P	40.21	40.21	1789.42	13.15	2.671
3-16-P	40.21	40.21	1789.76	13.79	2.680
3-17-P	40.21	40.21	1790.09	14.38	2.692
3-18-P	40.21	40.21	1789.24	12.81	2.866
3-19-P	40.21	40.21	1793.38	20.51	2.950
3-20-P	40.21	40.21	1790.38	14.93	2.838
3-21-P	40.21	40.21	1787.85	10.24	2.694
3-22-P	40.21	40.21	1785.76	6.34	2.477
3-23-P	40.21	40.21	1784.03	3.13	2.245
3-24-P	40.21	40.21	1782.58	0.44	2.046
3-25-P	40.21	40.21	1781.45	-1.60	1.884
3-26-P	40.21	40.21	1780.76	-2.85	1.764
3-27-P	40.21	40.21	1782.29	-0.09	1.721
3-28-P	40.21	40.21	1784.28	3.60	1.694
3-29-P	40.21	40.21	1786.27	7.30	1.672
3-30-P	40.21	40.21	1788.21	10.90	1.651
3-31-P	40.21	40.21	1788.03	10.56	1.677
3-32-P	40.21	40.21	1786.65	8.01	1.736
3-33-P	40.21	40.21	1785.17	5.25	1.795
3-34-P	40.21	40.21	1783.66	2.46	1.847
3-35-P	40.21	40.21	1782.38	0.07	1.863
3-36-P	40.21	40.21	1781.13	-2.19	1.741
3-37-P	40.21	40.21	1779.80	-4.58	1.606
3-38-P	40.21	40.21	1778.61	-6.73	1.480
3-39-P	40.21	40.21	1777.62	-8.51	1.366
3-40-P	40.21	40.21	1777.62	-8.51	1.302
3-41-P	40.21	40.21	1779.24	-5.58	1.300
3-42-P	40.21	40.21	1780.86	-2.67	1.295
3-43-P	40.21	40.21	1782.42	0.14	1.290
3-44-P	40.21	40.21	1783.50	2.16	1.289
3-45-P	40.21	40.21	1783.00	1.22	1.352
3-46-P	40.21	40.21	1782.21	-0.23	1.436
3-47-P	40.21	40.21	1781.20	-2.06	1.536
3-48-P	40.21	40.21	1780.04	-4.14	1.649
3-49-P	40.21	40.21	1778.77	-6.43	1.714
3-50-P	40.21	40.21	1777.50	-8.73	1.674
3-51-P	40.21	40.21	1776.24	-10.98	1.589
3-52-P	40.21	40.21	1775.10	-13.05	1.472
3-53-P	40.21	40.21	1774.28	-14.52	1.361
3-54-P	40.21	40.21	1774.49	-14.13	1.376
3-55-P	40.21	40.21	1774.74	-13.69	1.393
3-56-P	40.21	40.21	1775.24	-12.78	1.407
3-57-P	40.21	40.21	1775.98	-11.45	1.421
3-58-P	40.21	40.21	1775.85	-11.69	1.455
3-59-P	40.21	40.21	1775.82	-11.75	1.493
3-60-P	40.21	40.21	1775.94	-11.52	1.534
3-61-P	40.21	40.21	1776.23	-11.01	1.575
3-62-P	40.21	40.21	1776.45	-10.61	1.616
3-63-P	40.21	40.21	1776.34	-10.81	1.649

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
3-64-P	40.21	40.21	1776.17	-11.12	1.683
3-65-P	32.17	32.17	1421.25	-9.21	1.592
3-66-P	24.13	24.13	1066.19	-7.43	1.468
3-67-P	16.08	16.08	711.14	-5.35	1.294
3-68-P	16.08	8.04	704.02	-5.46	1.952
3-69-P	8.04	8.04	354.76	-2.83	1.999
4-1-P	16.08	16.08	717.08	9.71	4.794
4-2-P	16.08	16.08	718.97	10.48	2.392
4-3-P	24.13	24.13	1079.04	16.83	2.382
4-4-P	32.17	32.17	1439.38	23.87	2.411
4-5-P	40.21	40.21	1798.94	30.82	2.655
4-6-P	40.21	40.21	1799.13	31.17	2.629
4-7-P	40.21	40.21	1799.24	31.39	2.605
4-8-P	40.21	40.21	1799.39	31.67	2.589
4-9-P	40.21	40.21	1800.39	33.52	2.627
4-10-P	40.21	40.21	1801.38	35.36	2.666
4-11-P	40.21	40.21	1802.38	37.21	2.705
4-12-P	40.21	40.21	1803.39	39.10	2.745
4-13-P	40.21	40.21	1786.36	7.46	2.708
4-14-P	40.21	40.21	1785.74	6.31	2.606
4-15-P	40.21	40.21	1785.23	5.36	2.519
4-16-P	40.21	40.21	1784.87	4.70	2.449
4-17-P	40.21	40.21	1784.65	4.28	2.394
4-18-P	40.21	40.21	1784.98	4.90	2.362
4-19-P	40.21	40.21	1786.31	7.37	2.368
4-20-P	40.21	40.21	1787.39	9.37	2.382
4-21-P	40.21	40.21	1788.14	10.78	2.404
4-22-P	40.21	40.21	1788.21	10.90	2.466
4-23-P	40.21	40.21	1787.59	9.75	2.589
4-24-P	40.21	40.21	1786.31	7.37	2.774
4-25-P	40.21	40.21	1784.64	4.27	2.712
4-26-P	40.21	40.21	1782.79	0.84	2.475
4-27-P	40.21	40.21	1781.23	-2.01	2.258
4-28-P	40.21	40.21	1779.88	-4.43	2.064
4-29-P	40.21	40.21	1778.76	-6.46	1.893
4-30-P	40.21	40.21	1777.90	-8.00	1.743
4-31-P	40.21	40.21	1779.19	-5.67	1.671
4-32-P	40.21	40.21	1780.71	-2.93	1.614
4-33-P	40.21	40.21	1782.12	-0.39	1.559
4-34-P	40.21	40.21	1783.37	1.92	1.505
4-35-P	40.21	40.21	1784.59	4.17	1.457
4-36-P	40.21	40.21	1784.22	3.49	1.442
4-37-P	40.21	40.21	1783.67	2.46	1.427
4-38-P	40.21	40.21	1783.10	1.42	1.413
4-39-P	40.21	40.21	1782.55	0.39	1.400
4-40-P	40.21	40.21	1782.12	-0.40	1.355
4-41-P	40.21	40.21	1781.61	-1.31	1.287
4-42-P	40.21	40.21	1781.16	-2.13	1.227
4-43-P	40.21	40.21	1780.76	-2.85	1.172
4-44-P	40.21	40.21	1780.54	-3.24	1.126
4-45-P	40.21	40.21	1781.54	-1.45	1.122
4-46-P	40.21	40.21	1782.48	0.26	1.117
4-47-P	40.21	40.21	1783.41	2.00	1.112
4-48-P	40.21	40.21	1784.35	3.73	1.108
4-49-P	40.21	40.21	1785.07	5.07	1.111
4-50-P	40.21	40.21	1784.48	3.97	1.175
4-51-P	40.21	40.21	1783.76	2.63	1.242
4-52-P	40.21	40.21	1782.95	1.13	1.308
4-53-P	40.21	40.21	1782.06	-0.50	1.371
4-54-P	40.21	40.21	1781.08	-2.27	1.424
4-55-P	40.21	40.21	1779.55	-5.03	1.347
4-56-P	40.21	40.21	1778.18	-7.50	1.244
4-57-P	40.21	40.21	1777.49	-8.74	1.187
4-58-P	40.21	40.21	1777.48	-8.75	1.175
4-59-P	40.21	40.21	1778.21	-7.44	1.190
4-60-P	40.21	40.21	1779.34	-5.40	1.207
4-61-P	40.21	40.21	1780.81	-2.75	1.227
4-62-P	40.21	40.21	1781.14	-2.15	1.268
4-63-P	40.21	40.21	1780.82	-2.75	1.327
4-64-P	40.21	40.21	1780.32	-3.64	1.403
4-65-P	40.21	40.21	1779.62	-4.90	1.501
4-66-P	40.21	40.21	1778.73	-6.50	1.623
4-67-P	40.21	40.21	1777.65	-8.45	1.681
4-68-P	40.21	40.21	1776.58	-10.38	1.685
4-69-P	40.21	40.21	1775.54	-12.24	1.692
4-70-P	40.21	40.21	1774.56	-14.01	1.704
4-71-P	40.21	40.21	1773.63	-15.68	1.719
4-72-P	40.21	40.21	1773.49	-15.95	1.745
4-73-P	40.21	40.21	1773.53	-15.87	1.776
4-74-P	40.21	40.21	1773.61	-15.73	1.808
4-75-P	32.17	32.17	1419.61	-12.49	1.662
4-76-P	24.13	24.13	1064.85	-9.26	1.676
4-77-P	16.08	16.08	709.93	-6.11	1.728
4-78-P	8.04	8.04	354.98	-3.02	1.782
5-1-P	16.08	16.08	715.57	6.53	3.991
5-2-P	16.08	16.08	717.72	6.70	1.960
5-3-P	32.17	32.17	1433.42	13.66	2.556
5-4-P	40.21	40.21	1791.76	17.49	2.584
5-5-P	40.21	40.21	1792.16	18.23	2.541

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
5-6-P	40.21	40.21	1792.49	18.84	2.499
5-7-P	40.21	40.21	1792.64	19.13	2.455
5-8-P	40.21	40.21	1793.16	20.10	2.433
5-9-P	40.21	40.21	1793.81	21.29	2.421
5-10-P	40.21	40.21	1794.31	22.23	2.408
5-11-P	40.21	40.21	1794.86	23.26	2.397
5-12-P	40.21	40.21	1795.85	25.09	2.392
5-13-P	40.21	40.21	1796.87	26.98	2.387
5-14-P	40.21	40.21	1797.85	28.80	2.387
5-15-P	40.21	40.21	1798.79	30.55	2.393
5-16-P	40.21	40.21	1799.64	32.13	2.407
5-17-P	40.21	40.21	1800.31	33.38	2.409
5-18-P	40.21	40.21	1800.97	34.59	2.408
5-19-P	40.21	40.21	1782.81	0.88	2.381
5-20-P	40.21	40.21	1781.96	-0.68	2.252
5-21-P	40.21	40.21	1781.56	-1.41	2.155
5-22-P	40.21	40.21	1782.02	-0.58	2.124
5-23-P	40.21	40.21	1782.41	0.13	2.128
5-24-P	40.21	40.21	1782.68	0.63	2.155
5-25-P	40.21	40.21	1782.94	1.12	2.185
5-26-P	40.21	40.21	1783.21	1.62	2.214
5-27-P	40.21	40.21	1783.47	2.09	2.245
5-28-P	40.21	40.21	1783.38	1.92	2.287
5-29-P	40.21	40.21	1782.34	0.00	2.247
5-30-P	40.21	40.21	1782.34	0.00	2.158
5-31-P	40.21	40.21	1778.94	-6.12	2.053
5-32-P	40.21	40.21	1778.37	-7.16	1.920
5-33-P	40.21	40.21	1778.13	-7.59	1.801
5-34-P	40.21	40.21	1778.69	-6.58	1.693
5-35-P	40.21	40.21	1779.22	-5.62	1.595
5-36-P	40.21	40.21	1779.83	-4.52	1.509
5-37-P	40.21	40.21	2028.31	-4.20	1.633
5-38-P	40.21	40.21	2029.28	-2.67	1.558
5-39-P	40.21	48.25	2033.71	-1.04	1.495
5-40-P	40.21	48.25	2033.70	-1.06	1.451
5-41-P	40.21	48.25	2033.72	-1.03	1.408
5-42-P	40.21	48.25	2033.99	-0.61	1.357
5-43-P	40.21	40.21	2030.91	-0.08	1.303
5-44-P	40.21	48.25	2034.63	0.41	1.258
5-45-P	40.21	48.25	2034.83	0.74	1.212
5-46-P	40.21	48.25	2034.81	0.71	1.169
5-47-P	40.21	48.25	2034.77	0.64	1.131
5-48-P	40.21	40.21	2032.05	1.78	1.120
5-49-P	40.21	40.21	2032.62	2.72	1.109
5-50-P	48.25	40.21	2134.55	3.33	1.152
5-51-P	48.25	40.21	2134.85	3.89	1.138
5-52-P	48.25	40.21	2135.04	4.25	1.122
5-53-P	48.25	40.21	2135.21	4.55	1.108
5-54-P	48.25	40.21	2134.94	4.05	1.117
5-55-P	48.25	40.21	2134.52	3.26	1.133
5-56-P	48.25	40.21	2134.20	2.68	1.150
5-57-P	48.25	40.21	2133.99	2.28	1.167
5-58-P	48.25	40.21	2133.85	2.02	1.186
5-59-P	48.25	40.21	2133.87	2.04	1.194
5-60-P	40.21	40.21	1783.54	2.22	1.007
5-61-P	40.21	40.21	1783.83	2.76	1.016
5-62-P	40.21	40.21	1784.12	3.31	1.024
5-63-P	40.21	40.21	1784.44	3.91	1.035
5-64-P	40.21	40.21	1784.94	4.84	1.061
5-65-P	40.21	40.21	1785.61	6.07	1.112
5-66-P	40.21	40.21	1785.41	5.71	1.208
5-67-P	40.21	40.21	1784.69	4.36	1.334
5-68-P	40.21	40.21	1783.79	2.69	1.484
5-69-P	40.21	40.21	1782.76	0.77	1.655
5-70-P	40.21	40.21	1781.43	-1.63	1.845
5-71-P	40.21	40.21	1779.78	-4.61	1.845
5-72-P	40.21	40.21	1778.10	-7.65	1.806
5-73-P	40.21	40.21	1776.43	-10.64	1.760
5-74-P	40.21	40.21	1774.89	-13.42	1.707
5-75-P	40.21	40.21	1773.53	-15.86	1.662
5-76-P	40.21	40.21	1773.31	-16.27	1.675
5-77-P	40.21	40.21	1773.42	-16.07	1.707
5-78-P	40.21	40.21	1773.52	-15.89	1.745
5-79-P	40.21	40.21	1773.69	-15.59	1.808
5-80-P	40.21	40.21	1773.96	-15.10	1.903
5-81-P	40.21	40.21	1774.20	-14.66	1.998
5-82-P	40.21	40.21	1774.41	-14.29	2.094
5-83-P	32.17	32.17	1419.71	-11.45	2.131
5-84-P	16.08	16.08	710.89	-5.80	1.686
5-85-P	8.04	8.04	355.43	-2.94	1.779
6-1-P	24.13	24.13	1071.92	7.76	5.109
6-2-P	24.13	24.13	1074.24	7.91	2.504
6-3-P	40.21	40.21	1789.41	13.33	2.782
6-4-P	40.21	40.21	1789.22	12.77	2.666
6-5-P	40.21	40.21	1788.87	12.13	2.590
6-6-P	40.21	40.21	1788.54	11.52	2.518
6-7-P	40.21	40.21	1788.35	11.15	2.450
6-8-P	40.21	40.21	1788.29	11.05	2.386
6-9-P	40.21	40.21	1788.23	10.93	2.330

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
6-10-P	40.21	40.21	1788.16	10.81	2.282
6-11-P	40.21	40.21	1788.98	12.32	2.256
6-12-P	40.21	40.21	1790.01	14.25	2.227
6-13-P	40.21	40.21	1790.98	16.04	2.183
6-14-P	40.21	40.21	1791.88	17.72	2.133
6-15-P	40.21	40.21	1792.87	19.55	2.105
6-16-P	40.21	40.21	1793.88	21.44	2.087
6-17-P	40.21	40.21	1794.85	23.23	2.071
6-18-P	40.21	40.21	1795.60	24.62	2.067
6-19-P	40.21	40.21	1796.17	25.69	2.069
6-20-P	40.21	40.21	1796.70	26.68	2.068
6-21-P	40.21	40.21	1797.20	27.60	2.061
6-22-P	40.21	40.21	1779.89	-4.41	2.043
6-23-P	40.21	40.21	1780.04	-4.14	1.992
6-24-P	40.21	40.21	1780.56	-3.20	1.966
6-25-P	40.21	40.21	1781.07	-2.29	1.940
6-26-P	40.21	40.21	1781.58	-1.37	1.913
6-27-P	40.21	40.21	1782.07	-0.48	1.889
6-28-P	40.21	40.21	2031.11	0.25	2.145
6-29-P	40.21	48.25	2034.82	0.73	2.172
6-30-P	40.21	48.25	2284.16	1.10	2.475
6-31-P	40.21	56.30	2286.36	0.00	2.487
6-32-P	40.21	56.30	2535.71	0.00	2.678
6-33-P	40.21	56.30	2535.71	0.00	2.603
6-34-P	40.21	56.30	2785.05	0.00	2.781
6-35-P	40.21	56.30	2785.05	0.00	2.712
6-36-P	40.21	56.30	3034.38	0.00	2.898
6-37-P	40.21	48.25	3030.51	0.00	2.844
6-38-P	40.21	56.30	3025.10	-9.84	2.675
6-39-P	40.21	48.25	3022.85	-8.15	2.510
6-40-P	40.21	48.25	3024.26	-6.65	2.362
6-41-P	40.21	48.25	3025.52	-5.31	2.226
6-42-P	40.21	40.21	3021.84	-4.16	2.078
6-43-P	40.21	40.21	3022.75	-3.17	1.939
6-44-P	40.21	40.21	3023.60	-2.27	1.824
6-45-P	40.21	40.21	3024.46	-1.36	1.737
6-46-P	40.21	40.21	3025.34	-0.41	1.671
6-47-P	40.21	40.21	3026.20	0.53	1.617
6-48-P	40.21	40.21	3026.91	1.31	1.564
6-49-P	40.21	40.21	3027.38	1.84	1.510
6-50-P	40.21	40.21	3027.71	2.20	1.456
6-51-P	40.21	48.25	3032.86	2.59	1.413
6-52-P	40.21	48.25	3033.30	3.07	1.384
6-53-P	40.21	48.25	3033.82	3.65	1.368
6-54-P	40.21	56.30	3038.25	4.23	1.356
6-55-P	40.21	48.25	3034.87	4.80	1.338
6-56-P	40.21	56.30	3039.29	5.38	1.323
6-57-P	40.21	56.30	2789.22	4.97	1.198
6-58-P	40.21	56.30	2789.92	5.81	1.204
6-59-P	40.21	56.30	2540.06	5.68	1.112
6-60-P	40.21	56.30	2540.71	6.53	1.128
6-61-P	40.21	56.30	2290.47	5.93	1.031
6-62-P	40.21	48.25	2287.90	6.54	1.044
6-63-P	48.25	48.25	2439.59	6.72	1.127
6-64-P	48.25	40.21	2434.97	7.47	1.141
6-65-P	48.25	40.21	2136.36	6.71	1.029
6-66-P	48.25	40.21	2137.15	8.19	1.075
6-67-P	48.25	40.21	2138.03	9.83	1.126
6-68-P	48.25	40.21	2138.97	11.59	1.181
6-69-P	40.21	40.21	1788.43	11.30	1.038
6-70-P	40.21	40.21	1788.98	12.33	1.106
6-71-P	40.21	40.21	1788.86	12.11	1.201
6-72-P	40.21	40.21	1788.40	11.25	1.292
6-73-P	40.21	40.21	1787.65	9.86	1.382
6-74-P	40.21	40.21	1786.62	7.95	1.475
6-75-P	40.21	40.21	1785.13	5.19	1.522
6-76-P	40.21	40.21	1783.26	1.70	1.511
6-77-P	40.21	40.21	1781.34	-1.79	1.493
6-78-P	40.21	40.21	1779.72	-4.71	1.504
6-79-P	40.21	40.21	1778.73	-6.50	1.583
6-80-P	40.21	40.21	1778.06	-7.72	1.674
6-81-P	40.21	40.21	1777.55	-8.62	1.756
6-82-P	40.21	40.21	1777.29	-9.09	1.848
6-83-P	40.21	40.21	1777.32	-9.04	1.975
6-84-P	40.21	40.21	1776.71	-10.14	2.120
6-85-P	40.21	40.21	1775.44	-12.43	2.270
6-86-P	40.21	40.21	1774.51	-14.11	2.402
6-87-P	40.21	40.21	1774.19	-14.68	2.513
6-88-P	40.21	40.21	1773.96	-15.10	2.623
6-89-P	40.21	40.21	1773.64	-15.48	2.765
6-90-P	24.13	24.13	1074.48	8.36	2.501
6-91-P	8.04	8.04	358.99	2.74	1.710
7-1-P	32.17	32.17	1426.66	5.75	5.848
7-2-P	32.17	32.17	1429.90	7.16	2.857
7-3-P	40.21	40.21	1787.39	9.39	2.843
7-4-P	40.21	40.21	1787.22	9.07	2.758
7-5-P	40.21	40.21	1787.01	8.68	2.683
7-6-P	40.21	40.21	1786.81	8.31	2.613
7-7-P	40.21	40.21	1786.82	8.31	2.545

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
7-8-P	40.21	40.21	1787.20	9.02	2.478
7-9-P	40.21	40.21	1787.57	9.71	2.416
7-10-P	40.21	40.21	1787.78	10.10	2.357
7-11-P	40.21	40.21	1787.85	10.23	2.299
7-12-P	40.21	40.21	1788.01	10.54	2.241
7-13-P	40.21	40.21	1788.75	11.91	2.164
7-14-P	40.21	40.21	1789.52	13.33	2.087
7-15-P	40.21	40.21	1790.17	14.54	2.009
7-16-P	40.21	40.21	1790.79	15.69	1.939
7-17-P	40.21	40.21	1791.32	16.69	1.870
7-18-P	40.21	40.21	1791.68	17.34	1.799
7-19-P	40.21	40.21	1792.03	17.99	1.762
7-20-P	40.21	40.21	1792.43	18.73	1.747
7-21-P	40.21	40.21	1792.80	19.42	1.731
7-22-P	40.21	40.21	1793.14	20.07	1.711
7-23-P	40.21	40.21	1793.48	20.69	1.692
7-24-P	40.21	40.21	1793.80	21.29	1.673
7-25-P	40.21	48.25	2051.84	28.37	1.905
7-26-P	40.21	48.25	2283.70	0.43	2.141
7-27-P	40.21	56.30	2536.91	1.57	2.360
7-28-P	40.21	64.34	2540.31	2.58	2.344
7-29-P	40.21	72.38	2793.73	4.07	2.559
7-30-P	40.21	72.38	3045.43	5.78	2.770
7-31-P	40.21	64.34	3043.78	6.81	2.786
7-32-P	40.21	56.30	3041.29	7.57	2.851
7-33-P	40.21	48.25	3038.13	8.39	2.914
7-34-P	40.21	40.21	3025.72	0.00	2.842
7-35-P	40.21	40.21	3025.72	0.00	2.767
7-36-P	40.21	40.21	3025.72	0.00	2.699
7-37-P	40.21	40.21	3025.72	0.00	2.646
7-38-P	40.21	40.21	3025.72	0.00	2.599
7-39-P	40.21	40.21	3025.72	0.00	2.553
7-40-P	40.21	40.21	3025.72	0.00	2.510
7-41-P	40.21	40.21	3025.72	0.00	2.467
7-42-P	40.21	40.21	3019.25	-6.91	2.334
7-43-P	40.21	40.21	3020.92	-5.14	2.136
7-44-P	40.21	40.21	3022.14	-3.83	1.969
7-45-P	40.21	40.21	3022.99	-2.92	1.841
7-46-P	40.21	40.21	3023.71	-2.16	1.730
7-47-P	40.21	40.21	3024.33	-1.48	1.632
7-48-P	40.21	40.21	3024.90	-0.89	1.544
7-49-P	40.21	40.21	3025.55	-0.19	1.460
7-50-P	40.21	40.21	3026.20	0.53	1.386
7-51-P	40.21	40.21	3026.67	1.05	1.328
7-52-P	40.21	40.21	3027.01	1.43	1.284
7-53-P	40.21	40.21	3027.31	1.75	1.245
7-54-P	40.21	40.21	3027.60	2.08	1.209
7-55-P	40.21	40.21	3027.98	2.50	1.176
7-56-P	40.21	40.21	3028.47	3.04	1.148
7-57-P	40.21	40.21	3028.90	3.52	1.128
7-58-P	40.21	40.21	3029.28	3.94	1.113
7-59-P	40.21	40.21	3029.65	4.36	1.099
7-60-P	40.21	40.21	3030.05	4.79	1.087
7-61-P	40.21	40.21	3030.60	5.41	1.084
7-62-P	40.21	40.21	3031.47	6.36	1.094
7-63-P	40.21	40.21	3032.58	7.59	1.108
7-64-P	40.21	48.25	3038.71	9.03	1.126
7-65-P	40.21	56.30	3044.00	10.53	1.145
7-66-P	40.21	64.34	3048.52	11.99	1.171
7-67-P	40.21	72.38	3052.35	13.30	1.212
7-68-P	40.21	72.38	2800.78	12.40	1.150
7-69-P	40.21	64.34	2547.13	11.43	1.083
7-70-P	40.21	56.30	2545.49	12.76	1.123
7-71-P	40.21	48.25	2291.45	11.70	1.050
7-72-P	48.25	48.25	2443.26	12.70	1.165
7-73-P	48.25	40.21	2138.52	10.74	1.074
7-74-P	48.25	40.21	2138.88	11.41	1.136
7-75-P	40.21	40.21	1787.85	10.23	1.009
7-76-P	40.21	40.21	1788.27	11.01	1.074
7-77-P	40.21	40.21	1788.61	11.64	1.143
7-78-P	40.21	40.21	1788.87	12.13	1.216
7-79-P	40.21	40.21	1788.97	12.30	1.288
7-80-P	40.21	40.21	1788.99	12.36	1.398
7-81-P	40.21	40.21	1788.37	11.19	1.534
7-82-P	40.21	40.21	1787.62	9.81	1.686
7-83-P	40.21	40.21	1786.60	7.91	1.870
7-84-P	40.21	40.21	1785.39	5.67	2.074
7-85-P	40.21	40.21	1787.05	8.76	2.229
7-86-P	40.21	40.21	1787.06	8.77	2.290
7-87-P	40.21	40.21	1787.16	8.95	2.351
7-88-P	40.21	40.21	1787.16	8.96	2.413
7-89-P	40.21	40.21	1787.06	8.76	2.478
7-90-P	40.21	40.21	1786.92	8.50	2.546
7-91-P	40.21	40.21	1787.01	8.68	2.614
7-92-P	40.21	40.21	1787.23	9.09	2.684
7-93-P	40.21	40.21	1787.47	9.53	2.759
7-94-P	40.21	40.21	1787.67	9.89	2.843
7-95-P	32.17	32.17	1430.14	7.59	2.858
7-96-P	16.08	16.08	714.74	3.11	2.929

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
8-1-P	32.17	32.17	1424.27	0.59	5.074
8-2-P	32.17	32.17	1427.62	0.99	2.680
8-3-P	40.21	40.21	1783.14	1.49	3.068
8-4-P	40.21	40.21	1783.30	1.79	2.953
8-5-P	40.21	40.21	1783.45	2.06	2.847
8-6-P	40.21	40.21	1783.59	2.32	2.748
8-7-P	40.21	40.21	1783.87	2.84	2.641
8-8-P	40.21	40.21	1784.39	3.81	2.524
8-9-P	40.21	40.21	1785.08	5.08	2.435
8-10-P	40.21	40.21	1785.70	6.24	2.373
8-11-P	40.21	40.21	1786.30	7.35	2.317
8-12-P	40.21	40.21	1786.87	8.41	2.264
8-13-P	40.21	40.21	1787.41	9.42	2.208
8-14-P	40.21	40.21	1787.91	10.35	2.125
8-15-P	40.21	40.21	1788.45	11.34	2.039
8-16-P	40.21	40.21	1788.92	12.22	1.956
8-17-P	40.21	40.21	1789.37	13.05	1.878
8-18-P	40.21	40.21	1789.66	13.60	1.797
8-19-P	40.21	40.21	1789.69	13.65	1.705
8-20-P	40.21	40.21	1789.56	13.40	1.611
8-21-P	40.21	40.21	1789.43	13.17	1.525
8-22-P	40.21	40.21	1789.58	13.45	1.482
8-23-P	40.21	40.21	2042.00	18.04	1.674
8-24-P	40.21	56.30	2302.60	23.45	1.861
8-25-P	40.21	64.34	2561.07	29.55	2.035
8-26-P	40.21	72.38	2821.07	36.36	2.196
8-27-P	40.21	80.42	3082.73	43.84	2.343
8-28-P	40.21	72.38	3082.64	46.21	2.375
8-29-P	40.21	56.30	3041.41	7.69	2.417
8-30-P	40.21	48.25	3038.97	9.32	2.406
8-31-P	40.21	40.21	3035.52	10.85	2.392
8-32-P	40.21	40.21	3036.81	12.28	2.382
8-33-P	40.21	40.21	3038.11	13.72	2.404
8-34-P	40.21	40.21	3039.24	14.98	2.446
8-35-P	40.21	40.21	3040.23	16.08	2.489
8-36-P	40.21	40.21	3041.18	17.13	2.534
8-37-P	40.21	40.21	3025.72	0.00	2.535
8-38-P	40.21	40.21	3025.72	0.00	2.474
8-39-P	40.21	40.21	3025.72	0.00	2.423
8-40-P	40.21	40.21	3025.72	0.00	2.376
8-41-P	40.21	40.21	3025.72	0.00	2.334
8-42-P	40.21	40.21	3025.72	0.00	2.295
8-43-P	40.21	40.21	3025.72	0.00	2.261
8-44-P	40.21	40.21	3025.72	0.00	2.236
8-45-P	40.21	40.21	3025.72	0.00	2.217
8-46-P	40.21	40.21	3018.92	-7.27	1.995
8-47-P	40.21	40.21	3020.77	-5.29	1.810
8-48-P	40.21	40.21	3022.21	-3.75	1.662
8-49-P	40.21	40.21	3023.29	-2.60	1.545
8-50-P	40.21	40.21	3024.29	-1.54	1.443
8-51-P	40.21	40.21	3025.16	-0.61	1.359
8-52-P	40.21	40.21	3025.93	0.23	1.284
8-53-P	40.21	40.21	3026.59	0.96	1.217
8-54-P	40.21	40.21	3027.19	1.62	1.156
8-55-P	40.21	40.21	3027.77	2.27	1.102
8-56-P	40.21	40.21	3028.37	2.93	1.058
8-57-P	40.21	40.21	3028.89	3.51	1.027
8-58-P	40.21	40.21	3029.32	3.98	1.004
8-59-P	48.25	40.21	3626.38	5.31	1.175
8-60-P	48.25	40.21	3626.91	5.90	1.151
8-61-P	48.25	40.21	3627.50	6.56	1.130
8-62-P	48.25	40.21	3628.09	7.21	1.122
8-63-P	48.25	40.21	3628.62	7.81	1.125
8-64-P	48.25	40.21	3629.16	8.41	1.128
8-65-P	48.25	40.21	3629.71	9.02	1.132
8-66-P	48.25	40.21	3630.26	9.63	1.135
8-67-P	48.25	40.21	3630.96	10.41	1.142
8-68-P	48.25	40.21	3631.96	11.53	1.156
8-69-P	48.25	40.21	3632.90	12.57	1.193
8-70-P	40.21	40.21	3036.14	11.54	1.029
8-71-P	40.21	40.21	3037.24	12.76	1.061
8-72-P	40.21	48.25	3043.34	14.13	1.098
8-73-P	40.21	56.30	3048.65	15.64	1.136
8-74-P	40.21	72.38	3056.00	17.26	1.178
8-75-P	40.21	80.42	3060.21	19.46	1.236
8-76-P	40.21	72.38	2806.27	18.88	1.202
8-77-P	40.21	64.34	2552.02	17.79	1.161
8-78-P	40.21	56.30	2297.61	16.24	1.111
8-79-P	40.21	40.21	2039.67	14.24	1.049
8-80-P	48.25	40.21	2140.42	14.29	1.171
8-81-P	40.21	40.21	1789.73	13.73	1.066
8-82-P	40.21	40.21	1791.43	16.88	1.205
8-83-P	40.21	40.21	1793.54	20.81	1.372
8-84-P	40.21	40.21	1795.28	24.03	1.566
8-85-P	40.21	40.21	1795.76	24.93	1.775
8-86-P	40.21	40.21	1786.57	7.86	1.944
8-87-P	40.21	40.21	1786.32	7.38	2.030
8-88-P	40.21	40.21	1786.03	6.86	2.120
8-89-P	40.21	40.21	1785.82	6.46	2.208

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
8-90-P	40.21	40.21	1785.54	5.94	2.266
8-91-P	40.21	40.21	1785.24	5.38	2.320
8-92-P	40.21	40.21	1784.93	4.80	2.377
8-93-P	40.21	40.21	1784.60	4.19	2.440
8-94-P	40.21	40.21	1784.20	3.45	2.529
8-95-P	40.21	40.21	1783.87	2.84	2.644
8-96-P	40.21	40.21	1783.67	2.47	2.750
8-97-P	40.21	40.21	1783.56	2.26	2.848
8-98-P	40.21	40.21	1783.44	2.04	2.954
8-99-P	40.21	40.21	1783.31	1.80	3.068
8-100-P	32.17	32.17	1427.77	1.28	2.680
8-101-P	16.08	16.08	714.15	0.43	2.544
9-1-P	40.21	40.21	1780.00	0.50	6.028
9-2-P	40.21	40.21	1782.25	-0.17	3.530
9-3-P	40.21	40.21	1781.66	-1.22	3.403
9-4-P	40.21	40.21	1781.12	-2.20	3.286
9-5-P	40.21	40.21	1780.61	-3.12	3.177
9-6-P	40.21	40.21	1780.34	-3.60	3.069
9-7-P	40.21	40.21	1780.66	-3.02	2.943
9-8-P	40.21	40.21	1781.65	-1.24	2.772
9-9-P	40.21	40.21	1782.67	0.61	2.605
9-10-P	40.21	40.21	1783.55	2.25	2.457
9-11-P	40.21	40.21	1784.34	3.71	2.323
9-12-P	40.21	40.21	1785.04	5.01	2.209
9-13-P	40.21	40.21	1785.68	6.19	2.115
9-14-P	40.21	40.21	1786.12	7.03	2.025
9-15-P	40.21	40.21	1786.56	7.83	1.936
9-16-P	40.21	40.21	1786.99	8.64	1.858
9-17-P	40.21	40.21	1787.37	9.35	1.785
9-18-P	40.21	40.21	1787.72	9.99	1.716
9-19-P	40.21	40.21	1787.99	10.50	1.648
9-20-P	40.21	40.21	1787.98	10.47	1.565
9-21-P	40.21	40.21	1787.94	10.40	1.487
9-22-P	40.21	48.25	2042.52	13.23	1.616
9-23-P	40.21	64.34	2553.62	19.87	1.923
9-24-P	40.21	72.38	3065.68	27.78	2.204
9-25-P	40.21	80.42	3067.73	27.61	2.133
9-26-P	40.21	72.38	3065.98	28.11	2.085
9-27-P	40.21	56.30	3060.52	28.64	2.039
9-28-P	40.21	48.25	3057.03	29.21	2.000
9-29-P	40.21	40.21	3052.80	30.01	1.980
9-30-P	40.21	40.21	3054.17	31.52	1.998
9-31-P	40.21	40.21	3055.85	33.38	2.031
9-32-P	40.21	40.21	3057.93	35.69	2.078
9-33-P	40.21	40.21	3037.82	13.40	2.076
9-34-P	40.21	40.21	3039.46	15.22	2.093
9-35-P	40.21	40.21	3041.40	17.37	2.112
9-36-P	40.21	40.21	3043.48	19.68	2.130
9-37-P	40.21	40.21	3045.72	22.16	2.145
9-38-P	40.21	40.21	3048.00	24.69	2.166
9-39-P	40.21	40.21	3050.63	27.59	2.283
9-40-P	40.21	40.21	3025.72	0.00	2.262
9-41-P	40.21	40.21	3025.72	0.00	2.217
9-42-P	40.21	40.21	3025.72	0.00	2.176
9-43-P	40.21	40.21	3025.72	0.00	2.137
9-44-P	40.21	40.21	3025.72	0.00	2.100
9-45-P	40.21	40.21	3025.72	0.00	2.076
9-46-P	40.21	40.21	3025.72	0.00	2.055
9-47-P	40.21	40.21	3025.72	0.00	2.035
9-48-P	40.21	40.21	3016.16	-10.22	1.899
9-49-P	40.21	40.21	3018.60	-7.61	1.703
9-50-P	40.21	40.21	3020.93	-5.12	1.527
9-51-P	40.21	40.21	3023.04	-2.86	1.373
9-52-P	40.21	40.21	3024.73	-1.06	1.250
9-53-P	40.21	40.21	3025.83	0.12	1.166
9-54-P	40.21	40.21	3026.78	1.17	1.100
9-55-P	40.21	40.21	3027.69	2.17	1.040
9-56-P	56.30	40.21	4218.46	4.33	1.372
9-57-P	56.30	40.21	4219.42	5.41	1.310
9-58-P	56.30	40.21	4220.37	6.47	1.258
9-59-P	56.30	40.21	4221.33	7.54	1.209
9-60-P	56.30	40.21	4222.25	8.57	1.172
9-61-P	56.30	40.21	4223.02	9.44	1.153
9-62-P	56.30	40.21	4223.76	10.27	1.137
9-63-P	56.30	40.21	4224.50	11.09	1.121
9-64-P	56.30	40.21	4225.24	11.92	1.105
9-65-P	56.30	40.21	4225.92	12.68	1.099
9-66-P	56.30	40.21	4226.59	13.44	1.108
9-67-P	56.30	40.21	4227.34	14.27	1.119
9-68-P	56.30	40.21	4228.18	15.21	1.132
9-69-P	56.30	40.21	4229.05	16.19	1.145
9-70-P	56.30	40.21	4229.94	17.18	1.160
9-71-P	56.30	40.21	4230.70	18.03	1.195
9-72-P	56.30	40.21	4231.49	18.92	1.238
9-73-P	56.30	40.21	4232.38	19.91	1.284
9-74-P	56.30	40.21	4233.48	21.15	1.334
9-75-P	56.30	40.21	4234.79	22.62	1.387
9-76-P	40.21	40.21	3041.56	17.55	1.043
9-77-P	40.21	48.25	3048.13	19.41	1.102

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
9-78-P	40.21	56.30	3054.30	21.82	1.165
9-79-P	40.21	72.38	3062.82	24.67	1.237
9-80-P	40.21	80.42	3067.96	27.85	1.317
9-81-P	40.21	72.38	3069.33	31.75	1.416
9-82-P	40.21	64.34	2558.41	26.10	1.301
9-83-P	40.21	48.25	2046.75	20.10	1.160
9-84-P	40.21	40.21	1792.40	18.68	1.143
9-85-P	40.21	40.21	1794.58	22.73	1.305
9-86-P	40.21	40.21	1797.35	27.87	1.518
9-87-P	40.21	40.21	1785.17	5.25	1.710
9-88-P	40.21	40.21	1784.95	4.85	1.783
9-89-P	40.21	40.21	1784.71	4.41	1.860
9-90-P	40.21	40.21	1784.46	3.94	1.941
9-91-P	40.21	40.21	1784.21	3.47	2.036
9-92-P	40.21	40.21	1783.93	2.96	2.129
9-93-P	40.21	40.21	1783.49	2.14	2.223
9-94-P	40.21	40.21	1782.97	1.17	2.336
9-95-P	40.21	40.21	1782.37	0.06	2.467
9-96-P	40.21	40.21	1781.68	-1.19	2.612
9-97-P	40.21	40.21	1780.90	-2.59	2.775
9-98-P	40.21	40.21	1780.17	-3.90	2.942
9-99-P	40.21	40.21	1780.00	-4.21	3.069
9-100-P	40.21	40.21	1780.32	-3.63	3.176
9-101-P	40.21	40.21	1780.88	-2.62	3.285
9-102-P	40.21	40.21	1781.48	-1.54	3.402
9-103-P	40.21	40.21	1782.13	-0.38	3.528
9-104-P	24.13	24.13	1069.59	0.15	3.619
10-1-P	40.21	40.21	1780.35	0.15	5.876
10-2-P	40.21	40.21	1782.05	-0.52	3.990
10-3-P	40.21	40.21	1781.57	-1.39	3.843
10-4-P	40.21	40.21	1781.11	-2.22	3.707
10-5-P	40.21	40.21	1780.64	-3.05	3.580
10-6-P	40.21	40.21	1780.32	-3.63	3.477
10-7-P	40.21	40.21	1780.52	-3.28	3.358
10-8-P	40.21	40.21	1780.92	-2.55	3.212
10-9-P	40.21	40.21	1781.29	-1.89	3.078
10-10-P	40.21	40.21	1781.72	-1.12	2.950
10-11-P	40.21	40.21	1782.65	0.57	2.739
10-12-P	40.21	40.21	1783.65	2.44	2.510
10-13-P	40.21	40.21	1784.57	4.14	2.315
10-14-P	40.21	40.21	1785.40	5.68	2.154
10-15-P	40.21	40.21	1785.87	6.55	2.012
10-16-P	40.21	40.21	1786.05	6.90	1.886
10-17-P	40.21	40.21	1786.21	7.19	1.773
10-18-P	40.21	40.21	1786.36	7.47	1.673
10-19-P	40.21	40.21	1786.50	7.72	1.588
10-20-P	40.21	40.21	1786.66	8.02	1.515
10-21-P	40.21	48.25	2292.46	13.15	1.857
10-22-P	40.21	64.34	2804.05	19.11	2.158
10-23-P	40.21	80.42	3062.60	22.05	2.247
10-24-P	40.21	80.42	3061.81	21.19	2.145
10-25-P	40.21	72.38	3058.88	20.39	2.050
10-26-P	40.21	56.30	3052.30	19.63	1.960
10-27-P	40.21	40.21	3042.79	18.90	1.876
10-28-P	40.21	40.21	3042.54	18.63	1.815
10-29-P	40.21	40.21	3042.86	18.99	1.788
10-30-P	40.21	40.21	3043.58	19.78	1.784
10-31-P	40.21	40.21	3044.34	20.63	1.784
10-32-P	40.21	40.21	3045.09	21.46	1.783
10-33-P	40.21	40.21	3045.81	22.26	1.779
10-34-P	40.21	40.21	3046.37	22.88	1.758
10-35-P	40.21	40.21	3047.40	24.02	1.756
10-36-P	40.21	40.21	3041.64	17.64	1.808
10-37-P	40.21	40.21	3044.57	20.88	1.807
10-38-P	40.21	40.21	3047.66	24.31	1.806
10-39-P	40.21	40.21	3051.04	28.05	1.805
10-40-P	40.21	40.21	3055.17	32.63	1.875
10-41-P	40.21	40.21	3059.75	37.70	1.955
10-42-P	40.21	40.21	3064.87	43.38	2.037
10-43-P	40.21	40.21	3025.72	0.00	2.050
10-44-P	40.21	40.21	3025.72	0.00	2.013
10-45-P	40.21	40.21	3025.72	0.00	1.978
10-46-P	40.21	40.21	3247.85	0.00	2.092
10-47-P	40.21	40.21	3470.01	0.00	2.211
10-48-P	40.21	48.25	3697.72	0.00	2.332
10-49-P	40.21	48.25	3920.17	0.00	2.449
10-50-P	40.21	56.30	4016.56	-15.77	2.366
10-51-P	40.21	56.30	4133.78	-10.76	2.102
10-52-P	40.21	48.25	4245.09	-6.68	1.907
10-53-P	40.21	48.25	4249.10	-3.63	1.696
10-54-P	40.21	40.21	-4337.00	68.48	1.409
10-55-P	40.21	48.25	4254.98	0.87	1.418
10-56-P	40.21	48.25	4257.11	2.57	1.315
10-57-P	40.21	56.30	4152.91	4.29	1.203
10-58-P	40.21	56.30	4043.38	5.89	1.104
10-59-P	40.21	48.25	3928.54	7.18	1.018
10-60-P	64.34	48.25	5892.01	12.58	1.469
10-61-P	64.34	40.21	5525.05	13.07	1.329
10-62-P	64.34	40.21	5170.59	13.03	1.201

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
10-63-P	64.34	40.21	4816.30	13.05	1.094
10-64-P	64.34	40.21	4818.00	14.97	1.079
10-65-P	64.34	40.21	4819.50	16.65	1.063
10-66-P	64.34	40.21	4820.84	18.16	1.050
10-67-P	64.34	40.21	4822.11	19.59	1.063
10-68-P	64.34	40.21	4823.12	20.72	1.077
10-69-P	64.34	40.21	4824.07	21.80	1.091
10-70-P	64.34	40.21	4824.93	22.77	1.110
10-71-P	64.34	40.21	4825.89	23.84	1.130
10-72-P	64.34	40.21	4826.94	25.02	1.149
10-73-P	64.34	40.21	4827.92	26.13	1.193
10-74-P	64.34	40.21	4828.97	27.31	1.247
10-75-P	64.34	40.21	4830.15	28.64	1.303
10-76-P	64.34	40.21	4831.47	30.12	1.362
10-77-P	64.34	40.21	4832.89	31.72	1.425
10-78-P	64.34	40.21	4834.00	32.97	1.499
10-79-P	64.34	40.21	4835.25	34.38	1.582
10-80-P	40.21	40.21	3046.20	22.69	1.056
10-81-P	40.21	40.21	3047.58	24.22	1.124
10-82-P	40.21	56.30	3059.18	27.17	1.214
10-83-P	40.21	72.38	3069.07	31.46	1.328
10-84-P	40.21	80.42	3076.01	36.57	1.463
10-85-P	40.21	80.42	3081.84	42.88	1.627
10-86-P	40.21	64.34	2823.99	42.75	1.674
10-87-P	40.21	48.25	2307.09	34.39	1.554
10-88-P	40.21	40.21	1794.87	23.27	1.353
10-89-P	40.21	40.21	1796.25	25.84	1.530
10-90-P	40.21	40.21	1784.20	3.46	1.674
10-91-P	40.21	40.21	1784.03	3.13	1.774
10-92-P	40.21	40.21	1783.83	2.77	1.888
10-93-P	40.21	40.21	1783.61	2.35	2.015
10-94-P	40.21	40.21	1783.17	1.55	2.157
10-95-P	40.21	40.21	1782.49	0.27	2.315
10-96-P	40.21	40.21	1781.72	-1.12	2.507
10-97-P	40.21	40.21	1780.89	-2.61	2.733
10-98-P	40.21	40.21	1780.20	-3.85	2.941
10-99-P	40.21	40.21	1780.05	-4.12	3.070
10-100-P	40.21	40.21	1779.99	-4.24	3.204
10-101-P	40.21	40.21	1779.91	-4.37	3.352
10-102-P	40.21	40.21	1779.99	-4.24	3.472
10-103-P	40.21	40.21	1780.40	-3.50	3.575
10-104-P	40.21	40.21	1780.89	-2.61	3.702
10-105-P	40.21	40.21	1781.38	-1.73	3.838
10-106-P	40.21	40.21	1781.89	-0.82	3.985
10-107-P	24.13	24.13	1070.27	-0.07	3.528
11-1-P	40.21	40.21	1780.86	-2.55	4.932
11-2-P	40.21	40.21	1780.63	-3.07	4.637
11-3-P	40.21	40.21	1780.30	-3.67	4.420
11-4-P	40.21	40.21	1779.94	-4.32	4.233
11-5-P	40.21	40.21	1779.56	-5.01	4.071
11-6-P	40.21	40.21	1779.47	-5.18	3.959
11-7-P	40.21	40.21	1780.00	-4.22	3.922
11-8-P	40.21	40.21	1780.55	-3.23	3.895
11-9-P	40.21	40.21	1781.07	-2.28	3.873
11-10-P	40.21	40.21	1781.56	-1.40	3.826
11-11-P	40.21	40.21	1782.18	-0.28	3.675
11-12-P	40.21	40.21	1783.33	1.83	3.271
11-13-P	40.21	40.21	1784.29	3.62	2.876
11-14-P	40.21	40.21	1785.01	4.96	2.545
11-15-P	40.21	40.21	1785.52	5.91	2.269
11-16-P	40.21	40.21	1785.49	5.85	2.063
11-17-P	40.21	40.21	1785.39	5.67	1.905
11-18-P	40.21	40.21	1785.36	5.61	1.782
11-19-P	40.21	40.21	1785.38	5.65	1.682
11-20-P	40.21	40.21	2035.33	7.15	1.813
11-21-P	40.21	64.34	2798.92	13.02	2.346
11-22-P	40.21	80.42	3056.00	14.90	2.399
11-23-P	40.21	80.42	3055.24	14.08	2.253
11-24-P	40.21	80.42	3054.60	13.39	2.128
11-25-P	40.21	56.30	3046.07	12.81	2.020
11-26-P	40.21	40.21	3036.86	12.33	1.931
11-27-P	40.21	40.21	3036.51	11.95	1.856
11-28-P	40.21	40.21	3036.19	11.59	1.786
11-29-P	40.21	40.21	3035.90	11.28	1.723
11-30-P	40.21	40.21	3035.66	11.01	1.666
11-31-P	40.21	40.21	3035.45	10.78	1.614
11-32-P	40.21	40.21	3035.50	10.84	1.578
11-33-P	40.21	40.21	3035.78	11.14	1.553
11-34-P	40.21	40.21	3036.20	11.61	1.525
11-35-P	40.21	40.21	3036.71	12.17	1.500
11-36-P	40.21	40.21	3037.22	12.74	1.474
11-37-P	40.21	40.21	3037.99	13.59	1.451
11-38-P	40.21	40.21	3039.59	15.37	1.471
11-39-P	40.21	40.21	3041.51	17.49	1.503
11-40-P	40.21	40.21	3043.54	19.74	1.530
11-41-P	40.21	56.30	3062.06	30.32	1.571
11-42-P	40.21	56.30	3529.23	47.54	1.841
11-43-P	40.21	72.38	4139.10	75.86	2.195
11-44-P	40.21	80.42	4648.51	111.34	2.539

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
11-45-P	56.30	96.51	7243.50	227.59	4.151
11-46-P	56.30	104.55	7378.89	0.00	4.571
11-47-P	56.30	96.51	7530.14	0.00	4.598
11-48-P	56.30	88.47	7524.66	0.00	4.542
11-49-P	56.30	80.42	7518.44	0.00	4.489
11-50-P	56.30	64.34	7503.28	0.00	4.436
11-51-P	56.30	56.30	-7958.98	295.08	3.876
11-52-P	56.30	56.30	-7762.46	170.22	2.244
11-53-P	56.30	56.30	-7681.37	118.70	1.588
11-54-P	56.30	56.30	-7639.75	92.26	1.283
11-55-P	56.30	56.30	-7614.75	76.37	1.128
11-56-P	56.30	56.30	-7619.32	79.28	1.334
11-57-P	56.30	56.30	-7636.29	90.06	1.788
11-58-P	56.30	56.30	7504.15	6.37	1.906
11-59-P	56.30	56.30	7510.72	10.52	1.777
11-60-P	56.30	64.34	7526.50	14.59	1.689
11-61-P	56.30	80.42	7548.34	18.66	1.614
11-62-P	56.30	88.47	7561.12	22.67	1.546
11-63-P	56.30	96.51	7574.79	26.77	1.488
11-64-P	56.30	104.55	7429.09	30.67	1.425
11-65-P	56.30	96.51	6952.92	31.56	1.306
11-66-P	56.30	80.42	6312.35	29.98	1.162
11-67-P	56.30	72.38	5677.13	27.99	1.038
11-68-P	72.38	56.30	6246.21	30.78	1.152
11-69-P	72.38	56.30	5442.36	26.53	1.015
11-70-P	72.38	40.21	5417.90	29.36	1.029
11-71-P	72.38	40.21	5420.09	31.83	1.060
11-72-P	72.38	40.21	5421.62	33.56	1.088
11-73-P	72.38	40.21	5422.81	34.90	1.118
11-74-P	72.38	40.21	5423.99	36.24	1.173
11-75-P	72.38	40.21	5425.31	37.73	1.236
11-76-P	56.30	40.21	4242.15	30.85	1.017
11-77-P	56.30	40.21	4243.52	32.38	1.071
11-78-P	56.30	40.21	4244.80	33.82	1.133
11-79-P	56.30	40.21	4245.93	35.08	1.207
11-80-P	56.30	40.21	4247.25	36.56	1.289
11-81-P	56.30	40.21	4248.79	38.28	1.379
11-82-P	40.21	40.21	3051.84	28.93	1.062
11-83-P	40.21	40.21	3053.47	30.75	1.143
11-84-P	40.21	40.21	3056.88	34.52	1.240
11-85-P	40.21	56.30	3070.19	39.24	1.360
11-86-P	40.21	80.42	3083.54	44.72	1.505
11-87-P	40.21	80.42	3089.45	51.12	1.679
11-88-P	40.21	80.42	3096.87	59.15	1.898
11-89-P	40.21	64.34	2837.39	58.65	1.992
11-90-P	40.21	40.21	2053.96	37.62	1.660
11-91-P	40.21	40.21	1783.31	1.81	1.680
11-92-P	40.21	40.21	1783.19	1.57	1.779
11-93-P	40.21	40.21	1783.10	1.41	1.901
11-94-P	40.21	40.21	1783.06	1.33	2.056
11-95-P	40.21	40.21	1782.97	1.18	2.258
11-96-P	40.21	40.21	1782.53	0.35	2.532
11-97-P	40.21	40.21	1781.91	-0.77	2.860
11-98-P	40.21	40.21	-1806.79	45.76	3.140
11-99-P	40.21	40.21	-1797.94	29.21	2.534
11-100-P	40.21	40.21	-1795.00	23.71	2.669
11-101-P	40.21	40.21	-1792.96	19.87	3.126
11-102-P	40.21	40.21	-1790.27	14.85	3.863
11-103-P	40.21	40.21	1779.40	-5.29	3.907
11-104-P	40.21	40.21	1779.24	-5.59	3.947
11-105-P	40.21	40.21	1779.47	-5.18	4.060
11-106-P	40.21	40.21	1779.86	-4.46	4.222
11-107-P	40.21	40.21	1780.24	-3.79	4.411
11-108-P	40.21	40.21	1780.58	-3.18	4.629
11-109-P	40.21	40.21	1780.80	-2.65	4.927
12-1-P	40.21	40.21	1778.76	-6.44	6.071
12-2-P	40.21	40.21	1778.34	-7.20	5.788
12-3-P	40.21	40.21	1778.11	-7.62	5.514
12-4-P	40.21	40.21	1778.06	-7.71	5.257
12-5-P	40.21	40.21	1778.08	-7.68	5.014
12-6-P	40.21	40.21	1778.17	-7.51	4.778
12-7-P	40.21	40.21	1778.31	-7.27	4.564
12-8-P	40.21	40.21	1778.54	-6.85	4.400
12-9-P	40.21	40.21	1778.86	-6.28	4.281
12-10-P	40.21	40.21	1779.55	-5.03	4.152
12-11-P	40.21	40.21	1780.84	-2.70	3.850
12-12-P	40.21	40.21	1782.10	-0.43	3.531
12-13-P	40.21	40.21	1783.15	1.50	3.255
12-14-P	40.21	40.21	1784.06	3.20	2.990
12-15-P	40.21	40.21	1784.55	4.10	2.698
12-16-P	40.21	40.21	1784.42	3.87	2.426
12-17-P	40.21	40.21	1784.30	3.63	2.195
12-18-P	40.21	40.21	1784.20	3.45	1.999
12-19-P	40.21	40.21	1784.11	3.28	1.831
12-20-P	40.21	64.34	2794.08	7.29	2.635
12-21-P	40.21	80.42	3049.70	8.08	2.645
12-22-P	40.21	80.42	3049.30	7.65	2.468
12-23-P	40.21	80.42	3049.03	7.35	2.318
12-24-P	40.21	56.30	3040.83	7.07	2.178

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
12-25-P	40.21	40.21	3031.86	6.80	2.053
12-26-P	40.21	40.21	3031.60	6.51	1.957
12-27-P	40.21	40.21	3031.28	6.16	1.884
12-28-P	40.21	40.21	3030.89	5.72	1.797
12-29-P	40.21	40.21	3030.59	5.39	1.719
12-30-P	40.21	40.21	3030.39	5.17	1.652
12-31-P	40.21	40.21	3030.27	5.03	1.593
12-32-P	40.21	40.21	3030.21	4.97	1.542
12-33-P	40.21	40.21	3030.19	4.95	1.495
12-34-P	40.21	40.21	3030.20	4.96	1.447
12-35-P	40.21	40.21	3030.23	5.00	1.398
12-36-P	40.21	40.21	3030.49	5.28	1.350
12-37-P	40.21	56.30	3039.89	6.03	1.315
12-38-P	40.21	56.30	3040.38	6.57	1.282
12-39-P	40.21	56.30	3040.91	7.15	1.260
12-40-P	40.21	64.34	3989.42	13.37	1.649
12-41-P	64.34	88.47	7749.75	35.52	3.190
12-42-P	64.34	112.59	8687.77	49.80	3.573
12-43-P	64.34	112.59	8700.57	57.71	3.649
12-44-P	64.34	104.55	8716.34	71.09	3.819
12-45-P	64.34	80.42	8718.54	86.46	4.043
12-46-P	64.34	56.30	8837.10	182.09	4.191
12-47-P	64.34	56.30	8945.84	250.95	4.442
12-48-P	64.34	56.30	9110.95	355.49	4.799
12-49-P	64.34	56.30	8549.51	0.00	4.933
12-50-P	64.34	56.30	8549.51	0.00	4.885
12-51-P	64.34	56.30	8549.51	0.00	4.853
12-52-P	64.34	56.30	-7944.59	274.10	4.120
12-53-P	64.34	56.30	-7761.97	158.45	2.308
12-54-P	64.34	56.30	-7687.91	112.28	1.634
12-55-P	64.34	56.30	-7662.58	96.87	1.478
12-56-P	64.34	56.30	-7658.03	94.11	1.588
12-57-P	64.34	56.30	-7667.70	99.99	1.932
12-58-P	64.34	56.30	8573.78	15.36	1.993
12-59-P	64.34	56.30	8590.33	25.85	1.842
12-60-P	64.34	56.30	8596.16	29.53	1.731
12-61-P	64.34	56.30	8603.24	34.02	1.630
12-62-P	64.34	56.30	8611.35	39.16	1.539
12-63-P	64.34	56.30	8619.07	44.04	1.461
12-64-P	64.34	56.30	8621.66	45.68	1.415
12-65-P	64.34	56.30	8625.64	48.20	1.371
12-66-P	64.34	80.42	8662.93	51.67	1.334
12-67-P	64.34	104.55	8691.54	55.72	1.330
12-68-P	64.34	112.59	8706.26	61.23	1.329
12-69-P	64.34	112.59	8716.82	67.75	1.329
12-70-P	64.34	88.47	7787.11	61.44	1.225
12-71-P	64.34	64.34	6307.01	45.98	1.031
12-72-P	80.42	56.30	6042.86	38.20	1.026
12-73-P	80.42	56.30	6047.40	43.28	1.080
12-74-P	80.42	56.30	6051.32	47.66	1.146
12-75-P	80.42	40.21	6020.15	49.82	1.204
12-76-P	64.34	40.21	4841.77	41.71	1.026
12-77-P	64.34	40.21	4843.48	43.63	1.098
12-78-P	64.34	40.21	4845.13	45.49	1.177
12-79-P	64.34	40.21	4846.36	46.87	1.254
12-80-P	64.34	40.21	4847.95	48.67	1.340
12-81-P	64.34	40.21	4849.98	50.94	1.439
12-82-P	64.34	40.21	4852.32	53.58	1.553
12-83-P	40.21	40.21	3057.76	35.50	1.062
12-84-P	40.21	40.21	3059.23	37.13	1.160
12-85-P	40.21	40.21	3061.49	39.63	1.271
12-86-P	40.21	40.21	3065.40	43.96	1.394
12-87-P	40.21	56.30	3079.89	49.86	1.542
12-88-P	40.21	80.42	3095.00	57.13	1.725
12-89-P	40.21	80.42	3103.32	66.14	1.951
12-90-P	40.21	80.42	3114.15	77.87	2.246
12-91-P	40.21	64.34	2854.40	78.81	2.411
12-92-P	40.21	40.21	1803.79	39.83	1.821
12-93-P	40.21	40.21	1782.36	0.03	1.995
12-94-P	40.21	40.21	1782.34	0.01	2.187
12-95-P	40.21	40.21	1782.34	-0.01	2.412
12-96-P	40.21	40.21	1782.32	-0.04	2.676
12-97-P	40.21	40.21	1781.89	-0.81	2.965
12-98-P	40.21	40.21	1781.15	-2.15	3.229
12-99-P	40.21	40.21	1780.30	-3.68	3.506
12-100-P	40.21	40.21	1779.31	-5.46	3.827
12-101-P	40.21	40.21	-1802.18	37.14	3.798
12-102-P	40.21	40.21	1777.96	-7.89	4.261
12-103-P	40.21	40.21	1777.89	-8.02	4.382
12-104-P	40.21	40.21	1777.87	-8.06	4.548
12-105-P	40.21	40.21	1777.91	-7.99	4.765
12-106-P	40.21	40.21	1777.94	-7.92	5.004
12-107-P	40.21	40.21	1777.95	-7.90	5.248
12-108-P	40.21	40.21	1778.03	-7.76	5.507
12-109-P	40.21	40.21	1778.29	-7.30	5.783
12-110-P	40.21	40.21	1778.73	-6.50	6.068
13-1-P	40.21	40.21	1781.74	-1.09	7.701
13-2-P	40.21	40.21	1780.89	-2.61	7.394
13-3-P	40.21	40.21	1779.99	-4.24	7.108

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
13-4-P	40.21	40.21	1779.16	-5.73	6.852
13-5-P	40.21	40.21	1778.40	-7.11	6.612
13-6-P	40.21	40.21	1777.72	-8.32	6.315
13-7-P	40.21	40.21	-1777.44	-8.88	5.912
13-8-P	40.21	40.21	-1777.47	-8.82	5.407
13-9-P	40.21	40.21	-1777.96	-7.93	5.049
13-10-P	40.21	40.21	1779.59	-4.96	4.921
13-11-P	40.21	40.21	1781.52	-1.48	4.451
13-12-P	40.21	40.21	1783.05	1.32	4.067
13-13-P	40.21	40.21	1784.23	3.50	3.743
13-14-P	40.21	40.21	1784.65	4.29	3.433
13-15-P	40.21	40.21	1784.47	3.95	3.128
13-16-P	40.21	40.21	1784.26	3.56	2.859
13-17-P	40.21	40.21	1784.09	3.25	2.617
13-18-P	40.21	40.21	1783.99	3.07	2.388
13-19-P	40.21	40.21	1783.94	2.98	2.176
13-20-P	40.21	80.42	3049.19	7.53	3.340
13-21-P	40.21	80.42	3048.12	6.37	3.001
13-22-P	40.21	80.42	3047.23	5.41	2.723
13-23-P	40.21	80.42	3046.52	4.64	2.501
13-24-P	40.21	40.21	3029.45	4.13	2.322
13-25-P	40.21	40.21	3029.08	3.72	2.219
13-26-P	40.21	40.21	3028.69	3.29	2.134
13-27-P	40.21	40.21	3028.35	2.91	2.058
13-28-P	40.21	40.21	3028.04	2.56	1.985
13-29-P	40.21	40.21	3027.70	2.19	1.882
13-30-P	40.21	40.21	3027.45	1.92	1.791
13-31-P	40.21	40.21	3027.27	1.72	1.712
13-32-P	40.21	40.21	3027.15	1.58	1.643
13-33-P	40.21	40.21	3027.08	1.51	1.565
13-34-P	40.21	40.21	3027.11	1.54	1.475
13-35-P	40.21	40.21	3027.22	1.65	1.403
13-36-P	40.21	56.30	3036.04	1.82	1.348
13-37-P	40.21	56.30	3035.97	1.74	1.296
13-38-P	40.21	56.30	3035.92	1.69	1.252
13-39-P	40.21	88.47	4455.58	3.23	1.788
13-40-P	64.34	112.59	8618.50	6.98	3.399
13-41-P	64.34	112.59	8615.20	4.94	3.347
13-42-P	64.34	112.59	8613.18	3.69	3.297
13-43-P	64.34	88.47	8593.57	3.28	3.243
13-44-P	64.34	56.30	-7201.44	-179.10	2.428
13-45-P	64.34	56.30	-7140.19	-215.45	2.838
13-46-P	64.34	56.30	-7062.62	-261.48	3.342
13-47-P	64.34	56.30	8561.28	7.45	3.482
13-48-P	64.34	56.30	8565.66	10.22	3.577
13-49-P	64.34	56.30	8441.56	-65.77	3.786
13-50-P	64.34	56.30	8415.06	-81.91	3.961
13-51-P	64.34	56.30	8393.76	-94.88	4.258
13-52-P	64.34	56.30	8549.51	0.00	4.716
13-53-P	64.34	56.30	8052.74	-302.64	3.895
13-54-P	64.34	56.30	8276.05	-166.60	3.133
13-55-P	64.34	56.30	8427.43	-74.38	2.639
13-56-P	64.34	56.30	8514.01	-21.63	2.291
13-57-P	64.34	56.30	8565.04	9.83	2.057
13-58-P	64.34	56.30	8625.53	48.13	1.894
13-59-P	64.34	56.30	8696.07	92.80	1.768
13-60-P	64.34	56.30	8750.40	127.20	1.656
13-61-P	64.34	56.30	8756.05	130.78	1.548
13-62-P	64.34	56.30	8740.12	120.69	1.440
13-63-P	64.34	56.30	8717.83	106.58	1.332
13-64-P	64.34	56.30	8695.46	92.41	1.235
13-65-P	64.34	56.30	8681.25	83.41	1.161
13-66-P	64.34	56.30	8672.35	77.78	1.098
13-67-P	64.34	56.30	8668.69	75.46	1.082
13-68-P	64.34	56.30	8666.84	74.29	1.090
13-69-P	64.34	88.47	8705.16	72.85	1.106
13-70-P	64.34	112.59	8726.02	73.44	1.129
13-71-P	64.34	112.59	8736.48	79.90	1.170
13-72-P	64.34	112.59	8753.93	90.69	1.250
13-73-P	64.34	88.47	7189.57	72.16	1.115
13-74-P	80.42	56.30	6050.57	46.82	1.008
13-75-P	80.42	56.30	6056.52	53.47	1.088
13-76-P	80.42	56.30	6062.57	60.24	1.185
13-77-P	64.34	40.21	4849.84	50.79	1.020
13-78-P	64.34	40.21	4851.89	53.10	1.102
13-79-P	64.34	40.21	4853.52	54.93	1.187
13-80-P	64.34	40.21	4854.98	56.57	1.271
13-81-P	64.34	40.21	4856.60	58.39	1.366
13-82-P	64.34	40.21	4858.38	60.39	1.474
13-83-P	40.21	40.21	3061.34	39.46	1.004
13-84-P	40.21	40.21	3062.97	41.27	1.089
13-85-P	40.21	40.21	3064.91	43.41	1.190
13-86-P	40.21	40.21	3067.24	46.00	1.312
13-87-P	40.21	40.21	3070.12	49.19	1.456
13-88-P	40.21	40.21	3075.02	54.62	1.616
13-89-P	40.21	80.42	3100.66	63.26	1.826
13-90-P	40.21	80.42	3110.42	73.83	2.082
13-91-P	40.21	80.42	3123.34	87.81	2.421
13-92-P	40.21	80.42	3141.15	107.10	2.891

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
13-93-P	40.21	40.21	1807.24	46.24	2.040
13-94-P	40.21	40.21	1782.57	0.43	2.368
13-95-P	40.21	40.21	1782.61	0.51	2.592
13-96-P	40.21	40.21	1782.73	0.72	2.836
13-97-P	40.21	40.21	1782.89	1.02	3.109
13-98-P	40.21	40.21	1783.04	1.29	3.420
13-99-P	40.21	40.21	1782.73	0.72	3.735
13-100-P	40.21	40.21	1781.78	-1.01	4.061
13-101-P	40.21	40.21	1780.45	-3.40	4.444
13-102-P	40.21	40.21	1778.71	-6.54	4.909
13-103-P	40.21	40.21	-1806.99	46.14	4.867
13-104-P	40.21	40.21	-1804.73	41.91	5.259
13-105-P	40.21	40.21	-1803.04	38.75	5.887
13-106-P	40.21	40.21	1777.34	-9.01	6.313
13-107-P	40.21	40.21	1778.07	-7.69	6.619
13-108-P	40.21	40.21	1778.83	-6.32	6.860
13-109-P	40.21	40.21	1779.65	-4.84	7.115
13-110-P	40.21	40.21	1780.56	-3.21	7.402
13-111-P	40.21	40.21	1781.41	-1.68	7.708
14-1-P	48.25	48.25	-2137.77	0.89	11.434
14-2-P	48.25	48.25	-2137.73	0.83	10.563
14-3-P	48.25	48.25	-2137.70	0.77	9.785
14-4-P	48.25	48.25	-2137.49	0.37	9.099
14-5-P	48.25	48.25	-2137.12	-0.30	8.240
14-6-P	48.25	48.25	-2136.73	-1.01	6.571
14-7-P	48.25	48.25	-2136.37	-1.67	5.472
14-8-P	48.25	48.25	-2136.09	-2.18	4.669
14-9-P	48.25	48.25	-2135.84	-2.63	4.092
14-10-P	48.25	48.25	-2136.56	-1.33	3.900
14-11-P	48.25	48.25	-2137.76	0.87	4.034
14-12-P	48.25	48.25	-2138.52	2.30	4.431
14-13-P	48.25	48.25	-2138.91	3.03	5.256
14-14-P	48.25	48.25	2139.07	3.30	5.691
14-15-P	48.25	48.25	2138.92	3.01	5.066
14-16-P	48.25	48.25	2138.78	2.77	4.514
14-17-P	48.25	48.25	2138.66	2.54	4.042
14-18-P	48.25	48.25	2138.55	2.33	3.640
14-19-P	48.25	48.25	2138.45	2.14	3.296
14-20-P	48.25	96.51	3655.25	5.26	5.038
14-21-P	48.25	96.51	3654.51	4.46	4.541
14-22-P	48.25	96.51	3653.82	3.71	4.123
14-23-P	48.25	96.51	3653.15	2.99	3.767
14-24-P	48.25	48.25	3630.45	2.26	3.438
14-25-P	48.25	48.25	3629.89	1.64	3.240
14-26-P	48.25	48.25	3629.45	1.16	3.078
14-27-P	48.25	48.25	3629.14	0.81	2.932
14-28-P	48.25	48.25	3628.92	0.57	2.803
14-29-P	48.25	48.25	3628.74	0.37	2.674
14-30-P	48.25	48.25	3628.55	0.16	2.536
14-31-P	48.25	48.25	3628.43	0.03	2.407
14-32-P	48.25	48.25	3628.45	0.04	2.290
14-33-P	48.25	48.25	3628.59	0.20	2.155
14-34-P	48.25	48.25	3628.80	0.43	2.015
14-35-P	48.25	56.30	3634.60	0.69	1.897
14-36-P	48.25	56.30	3634.76	0.87	1.806
14-37-P	48.25	56.30	3634.81	0.92	1.734
14-38-P	48.25	96.51	5058.85	1.79	2.319
14-39-P	72.38	112.59	9678.58	3.56	4.227
14-40-P	72.38	112.59	9676.72	2.41	4.041
14-41-P	72.38	112.59	-14405.60	-286.65	3.907
14-42-P	72.38	80.42	-10399.08	-173.19	2.158
14-43-P	72.38	56.30	-7328.86	-108.05	1.220
14-44-P	72.38	56.30	-7323.63	-111.15	1.128
14-45-P	72.38	56.30	-7249.27	-155.17	1.378
14-46-P	72.38	56.30	-7135.13	-222.76	1.777
14-47-P	72.38	56.30	-6939.01	-338.87	2.486
14-48-P	72.38	56.30	9101.30	-305.79	3.385
14-49-P	72.38	56.30	9019.31	-355.91	3.256
14-50-P	72.38	56.30	8956.33	-394.40	3.150
14-51-P	72.38	56.30	8908.32	-423.75	3.056
14-52-P	72.38	56.30	8930.11	-410.43	2.948
14-53-P	72.38	56.30	9147.81	-277.36	2.765
14-54-P	72.38	56.30	9328.99	-166.61	2.649
14-55-P	72.38	56.30	9384.62	-132.61	2.404
14-56-P	72.38	56.30	9549.91	-31.57	2.090
14-57-P	72.38	56.30	9659.45	36.78	1.960
14-58-P	72.38	56.30	9769.31	106.57	1.880
14-59-P	72.38	56.30	9888.05	182.00	1.826
14-60-P	72.38	56.30	10018.53	264.89	1.793
14-61-P	72.38	56.30	10138.80	341.30	1.761
14-62-P	72.38	56.30	10029.04	271.57	1.587
14-63-P	72.38	56.30	9943.63	217.31	1.447
14-64-P	72.38	56.30	9876.11	174.42	1.332
14-65-P	72.38	56.30	9821.53	139.74	1.157
14-66-P	88.47	56.30	11897.86	129.30	1.192
14-67-P	88.47	56.30	11853.61	101.01	1.047
14-68-P	88.47	56.30	11839.78	92.16	1.018
14-69-P	88.47	56.30	11842.69	94.03	1.071
14-70-P	88.47	80.42	11911.41	102.45	1.206

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
14-71-P	88.47	112.59	11990.42	120.14	1.458
14-72-P	88.47	112.59	12017.79	137.16	1.641
14-73-P	88.47	112.59	12045.39	154.33	1.796
14-74-P	88.47	96.51	9356.97	113.90	1.536
14-75-P	88.47	56.30	6652.17	62.48	1.184
14-76-P	72.38	56.30	5471.02	58.46	1.061
14-77-P	72.38	56.30	5476.56	64.63	1.157
14-78-P	72.38	48.25	5465.73	66.51	1.240
14-79-P	72.38	48.25	5467.49	68.48	1.339
14-80-P	72.38	48.25	5469.12	70.30	1.447
14-81-P	48.25	48.25	3672.34	48.61	1.044
14-82-P	48.25	48.25	3673.83	50.26	1.127
14-83-P	48.25	48.25	3675.55	52.16	1.225
14-84-P	48.25	48.25	3677.58	54.41	1.337
14-85-P	48.25	48.25	3679.97	57.05	1.457
14-86-P	48.25	48.25	3682.36	59.69	1.590
14-87-P	48.25	48.25	3685.05	62.68	1.748
14-88-P	48.25	48.25	3688.46	66.45	1.940
14-89-P	48.25	96.51	3720.42	75.60	2.196
14-90-P	48.25	96.51	3732.92	89.08	2.513
14-91-P	48.25	96.51	3749.80	107.30	2.940
14-92-P	48.25	96.51	3773.81	133.21	3.544
14-93-P	48.25	48.25	2169.14	59.06	2.541
14-94-P	48.25	48.25	2180.32	79.80	3.223
14-95-P	48.25	48.25	2137.78	0.90	4.016
14-96-P	48.25	48.25	2137.89	1.12	4.502
14-97-P	48.25	48.25	2138.06	1.42	5.071
14-98-P	48.25	48.25	2138.25	1.78	5.711
14-99-P	48.25	48.25	-2138.19	1.68	5.267
14-100-P	48.25	48.25	-2137.94	1.21	4.438
14-101-P	48.25	48.25	-2169.65	60.44	3.670
14-102-P	48.25	48.25	-2160.56	43.47	3.251
14-103-P	48.25	48.25	-2156.17	35.26	3.335
14-104-P	48.25	48.25	-2154.22	31.63	3.960
14-105-P	48.25	48.25	-2151.57	26.67	4.949
14-106-P	48.25	48.25	-2147.31	18.72	6.528
14-107-P	48.25	48.25	-2136.90	-0.71	8.222
14-108-P	48.25	48.25	-2137.25	-0.07	9.078
14-109-P	48.25	48.25	-2137.46	0.31	9.764
14-110-P	48.25	48.25	-2137.49	0.38	10.544
14-111-P	48.25	48.25	-2137.54	0.46	11.418
15-1-P	40.21	40.21	-1781.95	-0.71	8.576
15-2-P	40.21	40.21	-1781.99	-0.64	7.593
15-3-P	40.21	40.21	-1782.02	-0.58	6.847
15-4-P	40.21	40.21	-1782.18	-0.30	6.270
15-5-P	40.21	40.21	-1782.43	0.16	5.699
15-6-P	40.21	40.21	-1782.70	0.68	4.725
15-7-P	40.21	40.21	-1782.98	1.19	4.064
15-8-P	40.21	40.21	-1783.20	1.61	3.562
15-9-P	40.21	40.21	-1783.41	2.00	3.193
15-10-P	40.21	40.21	-1782.87	1.00	3.092
15-11-P	40.21	40.21	-1781.92	-0.77	3.227
15-12-P	40.21	40.21	-1781.26	-1.95	3.591
15-13-P	40.21	40.21	-1780.89	-2.62	4.355
15-14-P	40.21	40.21	-1780.51	-3.32	5.486
15-15-P	40.21	40.21	-1780.09	-4.08	6.662
15-16-P	40.21	40.21	1780.27	-3.72	6.006
15-17-P	40.21	40.21	1780.52	-3.28	5.265
15-18-P	40.21	40.21	1780.73	-2.89	4.638
15-19-P	40.21	40.21	1780.93	-2.55	4.106
15-20-P	40.21	80.42	2869.08	-180.12	5.852
15-21-P	40.21	80.42	2897.67	-150.49	4.980
15-22-P	40.21	80.42	2918.44	-128.95	4.342
15-23-P	40.21	80.42	2934.16	-112.66	3.855
15-24-P	40.21	40.21	2932.63	-99.48	3.455
15-25-P	40.21	40.21	2940.63	-90.93	3.156
15-26-P	40.21	40.21	2942.14	-89.32	2.945
15-27-P	40.21	40.21	2943.16	-88.22	2.764
15-28-P	40.21	40.21	2944.19	-87.12	2.602
15-29-P	40.21	40.21	2945.07	-86.18	2.449
15-30-P	40.21	40.21	2946.02	-85.17	2.301
15-31-P	40.21	40.21	2947.11	-84.00	2.160
15-32-P	40.21	40.21	2948.18	-82.86	2.033
15-33-P	40.21	40.21	2949.14	-81.83	1.918
15-34-P	40.21	40.21	2950.27	-80.62	1.800
15-35-P	40.21	56.30	2959.36	-79.56	1.701
15-36-P	40.21	56.30	2963.04	-75.65	1.615
15-37-P	40.21	56.30	2968.79	-69.56	1.542
15-38-P	40.21	88.47	4265.02	-131.98	2.114
15-39-P	64.34	112.59	8136.74	-276.96	3.822
15-40-P	64.34	112.59	8179.40	-251.88	3.651
15-41-P	64.34	112.59	8610.81	2.23	3.505
15-42-P	64.34	88.47	-11423.81	-179.61	2.225
15-43-P	64.34	56.30	-7325.98	-105.21	1.190
15-44-P	64.34	56.30	-7328.36	-103.79	1.097
15-45-P	64.34	56.30	-7285.76	-129.07	1.225
15-46-P	64.34	56.30	-7184.21	-189.33	1.590
15-47-P	64.34	56.30	-6991.48	-303.69	2.297
15-48-P	64.34	56.30	8584.39	22.08	2.390

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
15-49-P	64.34	56.30	8578.29	18.22	2.242
15-50-P	64.34	56.30	8566.49	10.75	2.097
15-51-P	64.34	56.30	8551.86	1.49	1.957
15-52-P	64.34	56.30	8537.16	-7.53	1.819
15-53-P	64.34	56.30	8531.61	-10.91	1.682
15-54-P	64.34	56.30	8522.03	-16.74	1.556
15-55-P	64.34	56.30	8507.56	-25.56	1.442
15-56-P	64.34	56.30	8489.57	-36.52	1.338
15-57-P	64.34	56.30	8506.58	-26.15	1.428
15-58-P	64.34	56.30	8524.38	-15.31	1.545
15-59-P	64.34	56.30	8855.33	193.64	1.645
15-60-P	64.34	56.30	8985.94	276.34	1.623
15-61-P	64.34	56.30	9012.02	292.85	1.536
15-62-P	64.34	56.30	8934.21	243.59	1.392
15-63-P	64.34	56.30	8860.03	196.61	1.271
15-64-P	64.34	56.30	8789.62	152.03	1.168
15-65-P	64.34	56.30	8741.86	121.79	1.021
15-66-P	72.38	56.30	9778.71	112.54	1.012
15-67-P	88.47	56.30	11872.58	113.14	1.108
15-68-P	88.47	56.30	11842.06	93.62	1.013
15-69-P	88.47	56.30	11843.56	94.58	1.076
15-70-P	72.38	88.47	9788.38	86.98	1.018
15-71-P	72.38	112.59	9833.11	99.28	1.189
15-72-P	72.38	112.59	9855.08	112.88	1.334
15-73-P	72.38	112.59	9880.41	128.57	1.475
15-74-P	72.38	88.47	8103.31	100.68	1.342
15-75-P	80.42	56.30	6059.96	57.33	1.085
15-76-P	72.38	56.30	5470.56	57.95	1.062
15-77-P	64.34	56.30	4877.93	57.57	1.031
15-78-P	64.34	40.21	4857.05	58.90	1.100
15-79-P	64.34	40.21	4858.51	60.55	1.185
15-80-P	64.34	40.21	4860.09	62.32	1.284
15-81-P	64.34	40.21	4861.95	64.41	1.391
15-82-P	64.34	40.21	4864.01	66.73	1.498
15-83-P	40.21	40.21	3065.03	43.55	1.021
15-84-P	40.21	40.21	3066.58	45.26	1.111
15-85-P	40.21	40.21	3068.32	47.19	1.218
15-86-P	40.21	40.21	3070.33	49.42	1.333
15-87-P	40.21	40.21	3072.87	52.24	1.465
15-88-P	40.21	40.21	3077.41	57.26	1.625
15-89-P	40.21	80.42	3102.82	65.60	1.838
15-90-P	40.21	80.42	3112.60	76.19	2.100
15-91-P	40.21	80.42	3126.08	90.78	2.452
15-92-P	40.21	80.42	3145.56	111.87	2.952
15-93-P	40.21	40.21	1808.96	49.45	2.115
15-94-P	40.21	40.21	1818.28	66.74	2.682
15-95-P	40.21	40.21	1833.48	94.97	3.655
15-96-P	40.21	40.21	1864.44	152.48	5.713
15-97-P	40.21	40.21	-1781.33	-1.84	6.665
15-98-P	40.21	40.21	-1781.40	-1.70	5.510
15-99-P	40.21	40.21	-1781.57	-1.39	4.373
15-100-P	40.21	40.21	-1781.81	-0.97	3.603
15-101-P	40.21	40.21	-1809.31	50.49	3.063
15-102-P	40.21	40.21	-1801.73	36.30	2.712
15-103-P	40.21	40.21	-1798.07	29.44	2.782
15-104-P	40.21	40.21	-1796.45	26.41	3.305
15-105-P	40.21	40.21	-1783.13	1.47	4.069
15-106-P	40.21	40.21	-1782.87	0.99	4.734
15-107-P	40.21	40.21	-1782.61	0.50	5.714
15-108-P	40.21	40.21	-1782.37	0.06	6.286
15-109-P	40.21	40.21	-1782.23	-0.21	6.863
15-110-P	40.21	40.21	-1782.20	-0.26	7.608
15-111-P	40.21	40.21	-1782.16	-0.33	8.586
16-1-P	40.21	40.21	-1782.95	1.14	8.272
16-2-P	40.21	40.21	-1783.72	2.58	7.396
16-3-P	40.21	40.21	-1784.46	3.96	6.705
16-4-P	40.21	40.21	-1785.06	5.09	6.136
16-5-P	40.21	40.21	-1785.56	6.03	5.647
16-6-P	40.21	40.21	-1785.91	6.69	5.113
16-7-P	40.21	40.21	-1786.07	6.97	4.676
16-8-P	40.21	40.21	-1786.07	6.98	4.312
16-9-P	40.21	40.21	-1785.70	6.29	4.042
16-10-P	40.21	40.21	-1784.48	4.01	4.051
16-11-P	40.21	40.21	-1783.02	1.28	4.126
16-12-P	40.21	40.21	-1781.52	-1.48	4.249
16-13-P	40.21	40.21	-1779.98	-4.27	4.445
16-14-P	40.21	40.21	-1778.89	-6.25	4.910
16-15-P	40.21	40.21	-1778.23	-7.44	5.820
16-16-P	40.21	40.21	-1777.41	-8.93	7.145
16-17-P	40.21	40.21	1776.39	-10.71	8.623
16-18-P	40.21	40.21	1782.34	0.00	6.933
16-19-P	40.21	40.21	1721.25	-110.05	5.377
16-20-P	40.21	80.42	2815.22	-235.96	6.950
16-21-P	40.21	80.42	2852.28	-197.54	5.833
16-22-P	40.21	80.42	2879.44	-169.39	5.022
16-23-P	40.21	80.42	2900.15	-147.91	4.407
16-24-P	40.21	40.21	2903.76	-130.33	3.907
16-25-P	40.21	40.21	2916.84	-116.34	3.519
16-26-P	40.21	40.21	2925.09	-107.53	3.218

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
16-27-P	40.21	40.21	2927.64	-104.81	2.972
16-28-P	40.21	40.21	2929.68	-102.63	2.751
16-29-P	40.21	40.21	2931.44	-100.75	2.559
16-30-P	40.21	40.21	2932.97	-99.12	2.393
16-31-P	40.21	40.21	2934.31	-97.68	2.247
16-32-P	40.21	40.21	2935.64	-96.26	2.115
16-33-P	40.21	40.21	2936.47	-95.38	1.982
16-34-P	40.21	40.21	2937.07	-94.74	1.856
16-35-P	40.21	40.21	2937.73	-94.03	1.744
16-36-P	40.21	64.34	2949.39	-93.20	1.652
16-37-P	40.21	64.34	2954.56	-87.73	1.567
16-38-P	40.21	64.34	2961.16	-80.75	1.485
16-39-P	40.21	104.55	4240.75	-151.96	2.004
16-40-P	64.34	128.68	8082.57	-313.41	3.604
16-41-P	64.34	128.68	8600.58	-9.40	3.424
16-42-P	64.34	128.68	8603.80	-7.51	3.207
16-43-P	64.34	96.51	8588.80	-3.95	2.989
16-44-P	64.34	64.34	-8234.87	-198.65	2.676
16-45-P	64.34	64.34	8556.62	-2.73	2.601
16-46-P	64.34	64.34	8554.79	-3.84	2.340
16-47-P	64.34	64.34	8550.24	-6.61	2.120
16-48-P	64.34	64.34	8546.17	-9.08	1.943
16-49-P	64.34	64.34	8540.60	-12.46	1.795
16-50-P	64.34	64.34	8525.71	-21.50	1.637
16-51-P	64.34	64.34	8509.19	-31.53	1.476
16-52-P	64.34	64.34	8492.35	-41.76	1.321
16-53-P	64.34	64.34	8476.41	-51.44	1.186
16-54-P	64.34	64.34	8461.78	-60.32	1.106
16-55-P	64.34	64.34	8452.72	-65.82	1.061
16-56-P	64.34	64.34	8452.90	-65.71	1.044
16-57-P	64.34	64.34	8463.88	-59.04	1.068
16-58-P	64.34	64.34	8479.68	-49.45	1.113
16-59-P	64.34	64.34	8499.57	-37.37	1.186
16-60-P	64.34	64.34	8517.80	-26.31	1.299
16-61-P	64.34	64.34	8536.82	-14.76	1.446
16-62-P	64.34	64.34	8730.59	106.84	1.423
16-63-P	64.34	64.34	8718.79	99.40	1.330
16-64-P	64.34	64.34	8703.69	89.88	1.249
16-65-P	64.34	64.34	8694.40	84.02	1.199
16-66-P	64.34	64.34	8686.86	79.27	1.156
16-67-P	64.34	64.34	8680.68	75.37	1.116
16-68-P	64.34	64.34	8674.86	71.70	1.077
16-69-P	64.34	96.51	8711.34	72.08	1.073
16-70-P	64.34	128.68	8749.05	79.06	1.122
16-71-P	64.34	128.68	8761.54	86.52	1.182
16-72-P	64.34	128.68	8776.06	95.19	1.265
16-73-P	64.34	104.55	7202.69	73.06	1.116
16-74-P	80.42	64.34	6063.10	46.62	1.008
16-75-P	80.42	64.34	6068.17	52.25	1.085
16-76-P	80.42	64.34	6074.14	58.88	1.180
16-77-P	64.34	40.21	4849.61	50.53	1.016
16-78-P	64.34	40.21	4851.18	52.30	1.088
16-79-P	64.34	40.21	4852.78	54.10	1.171
16-80-P	64.34	40.21	4854.44	55.97	1.271
16-81-P	64.34	40.21	4856.17	57.91	1.372
16-82-P	64.34	40.21	4858.10	60.08	1.475
16-83-P	40.21	40.21	3061.32	39.45	1.005
16-84-P	40.21	40.21	3063.04	41.35	1.094
16-85-P	40.21	40.21	3065.10	43.63	1.202
16-86-P	40.21	40.21	3067.85	46.67	1.329
16-87-P	40.21	40.21	3072.56	51.89	1.460
16-88-P	40.21	40.21	3078.47	58.44	1.619
16-89-P	40.21	80.42	3103.92	66.79	1.828
16-90-P	40.21	80.42	3113.23	76.87	2.082
16-91-P	40.21	80.42	3125.54	90.20	2.419
16-92-P	40.21	80.42	3142.60	108.67	2.885
16-93-P	40.21	40.21	1807.39	46.53	2.033
16-94-P	40.21	40.21	1814.96	60.59	2.609
16-95-P	40.21	40.21	1827.18	83.27	3.571
16-96-P	40.21	40.21	1850.77	127.08	5.487
16-97-P	40.21	40.21	-1781.34	-1.80	5.756
16-98-P	40.21	40.21	-1781.35	-1.79	4.885
16-99-P	40.21	40.21	-1781.89	-0.81	4.443
16-100-P	40.21	40.21	-1782.92	1.09	4.259
16-101-P	40.21	40.21	-1784.05	3.20	4.138
16-102-P	40.21	40.21	-1785.24	5.44	4.056
16-103-P	40.21	40.21	-1786.24	7.31	4.042
16-104-P	40.21	40.21	-1786.52	7.82	4.311
16-105-P	40.21	40.21	-1786.46	7.71	4.678
16-106-P	40.21	40.21	-1786.26	7.33	5.119
16-107-P	40.21	40.21	-1785.86	6.60	5.660
16-108-P	40.21	40.21	-1785.38	5.68	6.150
16-109-P	40.21	40.21	-1784.79	4.59	6.720
16-110-P	40.21	40.21	-1784.07	3.24	7.411
16-111-P	40.21	40.21	-1783.31	1.82	8.287
17-1-P	40.21	40.21	-1786.94	8.61	8.103
17-2-P	40.21	40.21	-1787.23	9.16	7.356
17-3-P	40.21	40.21	-1787.35	9.37	6.776
17-4-P	40.21	40.21	-1787.30	9.28	6.321

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
17-5-P	40.21	40.21	-1787.19	9.08	5.927
17-6-P	40.21	40.21	-1786.84	8.42	5.360
17-7-P	40.21	40.21	-1786.41	7.61	4.788
17-8-P	40.21	40.21	-1785.81	6.50	4.186
17-9-P	40.21	40.21	-1785.17	5.29	3.622
17-10-P	40.21	40.21	-1784.40	3.85	3.192
17-11-P	40.21	40.21	-1783.55	2.26	3.250
17-12-P	40.21	40.21	-1782.55	0.39	3.466
17-13-P	40.21	40.21	-1781.37	-1.76	3.692
17-14-P	40.21	40.21	-1779.89	-4.43	4.092
17-15-P	40.21	40.21	-1777.92	-8.00	5.234
17-16-P	40.21	40.21	-1776.17	-11.18	6.907
17-17-P	40.21	40.21	1782.34	0.00	9.075
17-18-P	40.21	40.21	1782.34	0.00	6.690
17-19-P	40.21	40.21	1782.34	0.00	5.298
17-20-P	40.21	64.34	2787.94	0.00	6.932
17-21-P	40.21	80.42	2825.30	-225.51	6.392
17-22-P	40.21	80.42	2860.16	-189.38	5.430
17-23-P	40.21	80.42	2886.24	-162.33	4.719
17-24-P	40.21	56.30	2901.55	-140.86	4.163
17-25-P	40.21	40.21	2909.91	-123.76	3.720
17-26-P	40.21	40.21	2917.98	-115.13	3.351
17-27-P	40.21	40.21	2922.53	-110.27	3.041
17-28-P	40.21	40.21	2926.00	-106.56	2.790
17-29-P	40.21	40.21	2928.66	-103.72	2.582
17-30-P	40.21	40.21	2930.65	-101.59	2.409
17-31-P	40.21	40.21	2931.79	-100.38	2.254
17-32-P	40.21	40.21	2932.45	-99.67	2.113
17-33-P	40.21	40.21	2933.02	-99.06	1.987
17-34-P	40.21	40.21	2933.46	-98.59	1.870
17-35-P	40.21	40.21	2934.18	-97.82	1.752
17-36-P	40.21	40.21	2935.81	-96.08	1.633
17-37-P	40.21	72.38	2951.45	-93.52	1.530
17-38-P	40.21	72.38	3033.27	-7.22	1.413
17-39-P	40.21	72.38	3033.04	-7.46	1.308
17-40-P	40.21	88.47	3966.29	-12.54	1.588
17-41-P	72.38	120.64	8782.26	-35.93	3.291
17-42-P	72.38	144.76	9616.31	-45.76	3.367
17-43-P	72.38	144.76	9609.77	-49.60	3.108
17-44-P	72.38	128.68	9596.88	-52.53	2.884
17-45-P	72.38	96.51	9564.94	-56.08	2.612
17-46-P	72.38	72.38	9531.74	-58.61	2.332
17-47-P	72.38	72.38	9529.75	-59.82	2.108
17-48-P	72.38	72.38	9524.40	-63.07	1.906
17-49-P	72.38	72.38	9514.06	-69.35	1.715
17-50-P	72.38	72.38	9501.65	-76.88	1.527
17-51-P	72.38	72.38	9488.94	-84.60	1.353
17-52-P	72.38	72.38	9487.70	-85.36	1.181
17-53-P	96.51	96.51	12664.99	-100.68	1.323
17-54-P	96.51	96.51	12694.03	-83.06	1.118
17-55-P	96.51	96.51	12712.24	-72.01	1.033
17-56-P	96.51	96.51	12723.87	-64.94	1.030
17-57-P	96.51	96.51	12732.14	-59.92	1.093
17-58-P	96.51	72.38	12689.88	-55.99	1.241
17-59-P	72.38	72.38	9564.37	-38.80	1.117
17-60-P	72.38	72.38	9574.95	-32.37	1.338
17-61-P	72.38	72.38	9592.16	-21.92	1.573
17-62-P	72.38	72.38	9698.96	44.52	1.720
17-63-P	72.38	72.38	9705.50	48.64	1.654
17-64-P	72.38	72.38	9710.67	51.90	1.598
17-65-P	72.38	72.38	9714.41	54.25	1.552
17-66-P	72.38	96.51	9749.36	56.91	1.529
17-67-P	72.38	128.68	9783.91	61.14	1.515
17-68-P	72.38	144.76	9807.17	67.32	1.509
17-69-P	72.38	144.76	9820.36	75.19	1.522
17-70-P	72.38	120.64	8939.63	69.24	1.411
17-71-P	72.38	88.47	7191.02	51.22	1.166
17-72-P	80.42	72.38	6065.38	37.21	1.020
17-73-P	80.42	72.38	6069.75	42.04	1.078
17-74-P	72.38	72.38	5475.49	42.07	1.034
17-75-P	72.38	40.21	5431.63	44.88	1.084
17-76-P	72.38	40.21	5433.40	46.89	1.145
17-77-P	72.38	40.21	5434.93	48.61	1.224
17-78-P	72.38	40.21	5436.56	50.46	1.322
17-79-P	72.38	40.21	5438.45	52.59	1.422
17-80-P	72.38	40.21	5440.56	54.98	1.517
17-81-P	72.38	40.21	5442.91	57.64	1.621
17-82-P	72.38	40.21	5445.39	60.44	1.745
17-83-P	40.21	40.21	3057.85	35.60	1.062
17-84-P	40.21	40.21	3059.47	37.40	1.163
17-85-P	40.21	40.21	3062.40	40.64	1.272
17-86-P	40.21	40.21	3066.70	45.40	1.391
17-87-P	40.21	56.30	3081.23	51.33	1.540
17-88-P	40.21	80.42	3096.38	58.62	1.723
17-89-P	40.21	80.42	3104.70	67.64	1.948
17-90-P	40.21	80.42	3115.37	79.19	2.242
17-91-P	40.21	64.34	2855.03	79.56	2.405
17-92-P	40.21	40.21	1803.88	40.00	1.815
17-93-P	40.21	40.21	1809.78	50.97	2.267

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
17-94-P	40.21	40.21	1819.59	69.18	3.016
17-95-P	40.21	40.21	1839.12	105.45	4.506
17-96-P	40.21	40.21	-1782.44	0.20	5.113
17-97-P	40.21	40.21	-1782.97	1.18	4.020
17-98-P	40.21	40.21	-1783.67	2.50	3.646
17-99-P	40.21	40.21	-1784.30	3.67	3.439
17-100-P	40.21	40.21	-1784.83	4.67	3.239
17-101-P	40.21	40.21	-1785.33	5.60	3.191
17-102-P	40.21	40.21	-1785.94	6.75	3.623
17-103-P	40.21	40.21	-1786.46	7.70	4.189
17-104-P	40.21	40.21	-1786.89	8.52	4.791
17-105-P	40.21	40.21	-1787.16	9.02	5.363
17-106-P	40.21	40.21	-1787.36	9.40	5.929
17-107-P	40.21	40.21	-1787.44	9.54	6.326
17-108-P	40.21	40.21	-1787.46	9.58	6.786
17-109-P	40.21	40.21	-1787.32	9.32	7.369
17-110-P	40.21	40.21	-1786.99	8.71	8.121
18-1-P	40.21	40.21	-1784.73	4.60	8.769
18-2-P	40.21	40.21	-1785.18	5.32	7.934
18-3-P	40.21	40.21	-1785.58	6.07	7.227
18-4-P	40.21	40.21	-1785.97	6.79	6.584
18-5-P	40.21	40.21	-1786.33	7.46	6.002
18-6-P	40.21	40.21	-1785.93	6.73	5.087
18-7-P	40.21	40.21	-1784.61	4.25	3.886
18-8-P	40.21	40.21	-1783.77	2.67	3.133
18-9-P	40.21	40.21	-1783.21	1.62	2.633
18-10-P	40.21	40.21	-1782.83	0.91	2.302
18-11-P	40.21	40.21	-1782.47	0.24	2.169
18-12-P	40.21	40.21	-1781.64	-1.27	2.430
18-13-P	40.21	40.21	-1780.37	-3.56	2.944
18-14-P	40.21	40.21	-1778.39	-7.16	3.780
18-15-P	40.21	40.21	-1774.92	-13.43	5.286
18-16-P	40.21	40.21	-1771.24	-20.11	7.208
18-17-P	40.21	40.21	1782.34	0.00	8.057
18-18-P	40.21	40.21	1782.34	0.00	6.323
18-19-P	40.21	40.21	1782.34	0.00	5.242
18-20-P	40.21	40.21	2030.96	0.00	5.100
18-21-P	40.21	64.34	2787.94	0.00	6.084
18-22-P	40.21	80.42	2851.89	-197.95	5.724
18-23-P	40.21	80.42	2881.50	-167.25	4.938
18-24-P	40.21	80.42	2904.31	-143.60	4.318
18-25-P	40.21	56.30	2916.39	-125.12	3.797
18-26-P	40.21	40.21	2919.51	-113.50	3.381
18-27-P	40.21	40.21	2926.24	-106.31	3.056
18-28-P	40.21	40.21	2930.56	-101.68	2.790
18-29-P	40.21	40.21	2934.11	-97.89	2.567
18-30-P	40.21	40.21	2936.82	-95.00	2.378
18-31-P	40.21	40.21	2938.74	-92.95	2.216
18-32-P	40.21	40.21	2940.04	-91.56	2.076
18-33-P	40.21	40.21	2940.82	-90.72	1.954
18-34-P	40.21	40.21	2942.40	-89.03	1.822
18-35-P	40.21	40.21	2945.58	-85.64	1.675
18-36-P	40.21	40.21	3013.87	-12.67	1.516
18-37-P	40.21	40.21	3013.97	-12.56	1.389
18-38-P	40.21	40.21	3013.08	-13.51	1.296
18-39-P	40.21	40.21	3012.22	-14.43	1.215
18-40-P	40.21	40.21	3011.71	-14.97	1.136
18-41-P	40.21	72.38	3025.31	-15.61	1.049
18-42-P	40.21	80.42	3465.50	-20.96	1.109
18-43-P	40.21	104.55	4015.87	-28.87	1.194
18-44-P	40.21	112.59	4449.46	-36.69	1.207
18-45-P	72.38	128.68	8757.13	-81.56	2.146
18-46-P	72.38	128.68	9330.49	-93.80	2.084
18-47-P	72.38	112.59	9504.90	-100.78	1.912
18-48-P	72.38	104.55	9494.11	-103.26	1.717
18-49-P	72.38	96.51	9485.97	-103.67	1.558
18-50-P	72.38	80.42	9470.59	-102.20	1.420
18-51-P	72.38	72.38	9477.33	-91.65	1.213
18-52-P	72.38	72.38	9498.06	-79.06	1.028
18-53-P	104.55	104.55	13739.24	-96.91	1.274
18-54-P	104.55	104.55	13762.96	-82.51	1.141
18-55-P	104.55	104.55	13781.96	-70.98	1.063
18-56-P	104.55	104.55	13786.32	-68.34	1.134
18-57-P	104.55	104.55	13787.70	-67.50	1.269
18-58-P	72.38	72.38	9552.37	-46.08	1.010
18-59-P	72.38	72.38	9553.64	-45.31	1.199
18-60-P	72.38	80.42	9565.50	-44.73	1.412
18-61-P	72.38	96.51	9584.56	-44.26	1.557
18-62-P	72.38	104.55	9593.53	-43.48	1.731
18-63-P	72.38	112.59	9720.23	29.36	1.907
18-64-P	72.38	128.68	9539.91	35.09	1.824
18-65-P	72.38	128.68	8939.01	38.00	1.679
18-66-P	72.38	112.59	8120.37	37.27	1.501
18-67-P	72.38	104.55	7305.83	35.10	1.343
18-68-P	72.38	80.42	6274.70	30.01	1.158
18-69-P	72.38	72.38	5460.79	25.88	1.014
18-70-P	72.38	40.21	5417.25	28.61	1.026
18-71-P	72.38	40.21	5419.58	31.25	1.061
18-72-P	72.38	40.21	5421.40	33.31	1.095

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
18-73-P	72.38	40.21	5422.59	34.66	1.132
18-74-P	72.38	40.21	5423.77	36.00	1.185
18-75-P	72.38	40.21	5425.11	37.51	1.240
18-76-P	72.38	40.21	5426.60	39.19	1.300
18-77-P	72.38	40.21	5428.17	40.97	1.365
18-78-P	72.38	40.21	5429.75	42.76	1.439
18-79-P	72.38	40.21	5431.47	44.70	1.526
18-80-P	72.38	40.21	5433.36	46.84	1.633
18-81-P	72.38	40.21	5435.55	49.31	1.755
18-82-P	40.21	40.21	3052.20	29.34	1.065
18-83-P	40.21	40.21	3054.46	31.84	1.153
18-84-P	40.21	40.21	3057.73	35.46	1.247
18-85-P	40.21	56.30	3070.82	39.92	1.363
18-86-P	40.21	80.42	3084.01	45.23	1.504
18-87-P	40.21	80.42	3089.86	51.56	1.675
18-88-P	40.21	80.42	3097.21	59.52	1.892
18-89-P	40.21	64.34	2837.57	58.86	1.981
18-90-P	40.21	40.21	2053.99	37.66	1.649
18-91-P	40.21	40.21	1801.48	35.55	1.674
18-92-P	40.21	40.21	1806.31	44.52	1.991
18-93-P	40.21	40.21	1813.46	57.81	2.476
18-94-P	40.21	40.21	1824.93	79.09	3.285
18-95-P	40.21	40.21	1838.41	104.14	4.362
18-96-P	40.21	40.21	-1782.08	-0.47	3.762
18-97-P	40.21	40.21	-1782.78	0.82	2.931
18-98-P	40.21	40.21	-1783.23	1.67	2.420
18-99-P	40.21	40.21	-1783.58	2.32	2.163
18-100-P	40.21	40.21	-1783.78	2.70	2.298
18-101-P	40.21	40.21	-1784.05	3.21	2.628
18-102-P	40.21	40.21	-1784.49	4.02	3.127
18-103-P	40.21	40.21	-1785.15	5.26	3.880
18-104-P	40.21	40.21	-1786.19	7.20	5.082
18-105-P	40.21	40.21	-1786.43	7.65	5.996
18-106-P	40.21	40.21	-1786.05	6.95	6.579
18-107-P	40.21	40.21	-1785.66	6.21	7.225
18-108-P	40.21	40.21	-1785.25	5.45	7.936
18-109-P	40.21	40.21	-1784.80	4.72	8.777
19-1-P	40.21	40.21	-1780.15	-0.22	12.298
19-2-P	40.21	40.21	-1782.93	1.10	7.801
19-3-P	40.21	40.21	-1783.71	2.56	6.834
19-4-P	40.21	40.21	-1784.34	3.73	6.091
19-5-P	40.21	40.21	-1784.91	4.82	5.533
19-6-P	40.21	40.21	-1785.13	5.22	4.905
19-7-P	40.21	40.21	-1784.61	4.25	4.251
19-8-P	40.21	40.21	-1784.01	3.13	3.799
19-9-P	40.21	40.21	-1783.53	2.23	3.438
19-10-P	40.21	40.21	-1783.05	1.33	3.152
19-11-P	40.21	40.21	-1782.06	-0.51	3.219
19-12-P	40.21	40.21	-1780.56	-3.23	3.518
19-13-P	40.21	40.21	-1778.63	-6.71	3.881
19-14-P	40.21	40.21	-1776.33	-10.88	4.230
19-15-P	40.21	40.21	-1773.53	-15.95	4.984
19-16-P	40.21	40.21	-1769.04	-24.09	6.657
19-17-P	40.21	40.21	1782.34	0.00	7.400
19-18-P	40.21	40.21	1782.34	0.00	5.995
19-19-P	40.21	40.21	1782.34	0.00	5.049
19-20-P	40.21	40.21	1782.34	0.00	4.375
19-21-P	40.21	48.25	2283.40	0.00	4.935
19-22-P	40.21	64.34	2646.59	-162.65	5.114
19-23-P	40.21	80.42	2888.69	-159.80	4.685
19-24-P	40.21	80.42	2910.64	-137.04	4.067
19-25-P	40.21	72.38	2926.75	-119.56	3.592
19-26-P	40.21	56.30	2934.83	-105.58	3.211
19-27-P	40.21	40.21	2937.13	-94.67	2.896
19-28-P	40.21	40.21	2943.98	-87.34	2.639
19-29-P	40.21	40.21	2948.52	-82.49	2.428
19-30-P	40.21	40.21	2951.34	-79.48	2.252
19-31-P	40.21	40.21	2953.25	-77.44	2.102
19-32-P	40.21	40.21	2954.99	-75.59	1.970
19-33-P	40.21	40.21	3005.22	-21.90	1.824
19-34-P	40.21	40.21	3005.97	-21.11	1.643
19-35-P	40.21	40.21	3006.60	-20.43	1.493
19-36-P	40.21	40.21	3007.18	-19.81	1.368
19-37-P	40.21	40.21	3007.64	-19.33	1.262
19-38-P	40.21	40.21	3007.61	-19.36	1.174
19-39-P	40.21	40.21	3007.78	-19.18	1.069
19-40-P	64.34	40.21	4776.93	-30.13	1.554
19-41-P	64.34	40.21	4777.11	-29.92	1.434
19-42-P	64.34	40.21	4777.18	-29.85	1.333
19-43-P	64.34	40.21	4777.41	-29.60	1.219
19-44-P	64.34	40.21	4777.70	-29.28	1.113
19-45-P	64.34	40.21	4777.92	-29.05	1.024
19-46-P	64.34	40.21	5125.79	-32.73	1.006
19-47-P	88.47	56.30	7515.01	-48.95	1.334
19-48-P	88.47	72.38	8022.34	-53.60	1.302
19-49-P	88.47	80.42	8512.41	-58.22	1.268
19-50-P	88.47	88.47	8765.45	-58.15	1.196
19-51-P	88.47	120.64	9041.49	-58.40	1.150
19-52-P	88.47	104.55	9268.09	-58.67	1.114

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
19-53-P	88.47	96.51	9265.33	-53.70	1.072
19-54-P	88.47	56.30	9200.27	-50.71	1.054
19-55-P	88.47	64.34	9219.37	-49.56	1.063
19-56-P	88.47	64.34	9220.32	-48.83	1.121
19-57-P	88.47	72.38	8997.48	-46.15	1.176
19-58-P	88.47	56.30	8726.60	-43.73	1.229
19-59-P	88.47	48.25	8468.64	-41.28	1.287
19-60-P	88.47	48.25	7992.05	-36.29	1.306
19-61-P	88.47	40.21	7492.86	-31.50	1.327
19-62-P	88.47	40.21	7015.20	-27.09	1.359
19-63-P	64.34	40.21	4789.38	-16.62	1.011
19-64-P	64.34	40.21	4818.05	15.03	1.076
19-65-P	64.34	40.21	4819.62	16.79	1.057
19-66-P	64.34	40.21	4821.02	18.37	1.054
19-67-P	64.34	40.21	4822.14	19.63	1.064
19-68-P	64.34	40.21	4822.93	20.51	1.074
19-69-P	64.34	40.21	4823.75	21.44	1.083
19-70-P	64.34	40.21	4824.62	22.42	1.109
19-71-P	64.34	40.21	4825.55	23.46	1.139
19-72-P	64.34	40.21	4826.51	24.54	1.167
19-73-P	64.34	40.21	4827.52	25.68	1.198
19-74-P	64.34	40.21	4828.59	26.88	1.239
19-75-P	64.34	40.21	4829.77	28.21	1.293
19-76-P	64.34	40.21	4831.07	29.68	1.355
19-77-P	64.34	40.21	4832.51	31.29	1.423
19-78-P	64.34	40.21	4834.10	33.08	1.498
19-79-P	64.34	40.21	4835.94	35.15	1.584
19-80-P	40.21	40.21	3047.31	23.92	1.063
19-81-P	40.21	40.21	3049.71	26.58	1.140
19-82-P	40.21	56.30	3061.72	29.96	1.235
19-83-P	40.21	72.38	3071.31	33.90	1.346
19-84-P	40.21	80.42	3077.84	38.55	1.476
19-85-P	40.21	80.42	3083.02	44.17	1.632
19-86-P	40.21	64.34	2824.31	43.14	1.668
19-87-P	40.21	48.25	2307.08	34.38	1.541
19-88-P	40.21	40.21	1794.84	23.22	1.341
19-89-P	40.21	40.21	1796.21	25.76	1.516
19-90-P	40.21	40.21	1798.39	29.81	1.754
19-91-P	40.21	40.21	1801.60	35.77	2.090
19-92-P	40.21	40.21	1806.12	44.17	2.543
19-93-P	40.21	40.21	1809.79	50.99	2.893
19-94-P	40.21	40.21	1811.72	54.57	3.243
19-95-P	40.21	40.21	1812.05	55.18	3.688
19-96-P	40.21	40.21	-1783.16	1.54	3.511
19-97-P	40.21	40.21	-1783.97	3.04	3.208
19-98-P	40.21	40.21	-1784.52	4.09	3.139
19-99-P	40.21	40.21	-1784.78	4.57	3.426
19-100-P	40.21	40.21	-1785.00	4.99	3.789
19-101-P	40.21	40.21	-1785.28	5.51	4.245
19-102-P	40.21	40.21	-1785.52	5.96	4.903
19-103-P	40.21	40.21	-1785.22	5.38	5.533
19-104-P	40.21	40.21	-1784.61	4.26	6.092
19-105-P	40.21	40.21	-1783.97	3.06	6.835
19-106-P	40.21	40.21	-1783.18	1.57	7.804
19-107-P	24.13	24.13	-1070.37	0.12	7.397
20-1-P	40.21	40.21	-1779.11	-1.12	14.108
20-2-P	40.21	40.21	-1782.57	0.43	7.955
20-3-P	40.21	40.21	-1783.73	2.61	7.119
20-4-P	40.21	40.21	-1784.67	4.37	6.439
20-5-P	40.21	40.21	-1785.45	5.82	5.875
20-6-P	40.21	40.21	-1785.78	6.44	5.442
20-7-P	40.21	40.21	-1785.12	5.21	5.019
20-8-P	40.21	40.21	-1783.49	2.16	4.665
20-9-P	40.21	40.21	-1781.82	-0.94	4.366
20-10-P	40.21	40.21	-1780.31	-3.67	4.101
20-11-P	40.21	40.21	-1778.98	-6.08	3.866
20-12-P	40.21	40.21	-1777.87	-8.09	3.606
20-13-P	40.21	40.21	-1777.06	-9.56	3.294
20-14-P	40.21	40.21	-1775.54	-12.32	3.563
20-15-P	40.21	40.21	-1772.17	-18.42	4.545
20-16-P	40.21	40.21	-1766.22	-29.20	6.252
20-17-P	40.21	40.21	1782.34	0.00	6.931
20-18-P	40.21	40.21	1782.34	0.00	5.867
20-19-P	40.21	40.21	1782.34	0.00	5.018
20-20-P	40.21	40.21	1731.69	-91.25	4.196
20-21-P	40.21	40.21	1742.48	-71.81	3.419
20-22-P	40.21	48.25	1986.63	-75.29	3.274
20-23-P	40.21	64.34	2461.62	-96.82	3.493
20-24-P	40.21	72.38	2928.17	-118.06	3.641
20-25-P	40.21	80.42	2943.00	-103.49	3.237
20-26-P	40.21	72.38	2953.27	-91.60	2.906
20-27-P	40.21	56.30	2957.26	-81.79	2.633
20-28-P	40.21	48.25	2961.29	-73.67	2.407
20-29-P	40.21	40.21	2963.26	-66.75	2.217
20-30-P	40.21	40.21	2995.71	-32.07	2.026
20-31-P	40.21	40.21	2997.29	-30.38	1.863
20-32-P	40.21	40.21	2998.74	-28.83	1.681
20-33-P	40.21	40.21	3000.17	-27.31	1.517
20-34-P	40.21	40.21	3001.34	-26.06	1.383

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
20-35-P	40.21	40.21	3002.32	-25.01	1.271
20-36-P	40.21	40.21	3003.15	-24.12	1.176
20-37-P	40.21	40.21	3003.86	-23.36	1.093
20-38-P	40.21	40.21	3004.62	-22.55	1.002
20-39-P	72.38	40.21	5356.29	-38.87	1.641
20-40-P	72.38	40.21	5357.34	-37.73	1.520
20-41-P	72.38	40.21	5358.19	-36.80	1.420
20-42-P	72.38	40.21	5359.16	-35.74	1.320
20-43-P	72.38	40.21	5360.33	-34.47	1.217
20-44-P	72.38	40.21	5361.41	-33.29	1.124
20-45-P	72.38	40.21	5362.35	-32.26	1.048
20-46-P	96.51	40.21	7100.60	-41.03	1.304
20-47-P	96.51	40.21	7101.90	-39.54	1.232
20-48-P	96.51	40.21	7102.99	-38.28	1.170
20-49-P	96.51	40.21	7104.07	-37.04	1.120
20-50-P	96.51	40.21	7105.25	-35.69	1.083
20-51-P	96.51	40.21	7106.13	-34.68	1.057
20-52-P	96.51	40.21	7106.71	-34.00	1.041
20-53-P	96.51	40.21	7106.97	-33.71	1.045
20-54-P	96.51	40.21	7107.02	-33.65	1.063
20-55-P	96.51	40.21	7106.98	-33.70	1.091
20-56-P	96.51	40.21	7106.82	-33.88	1.131
20-57-P	96.51	40.21	7106.59	-34.15	1.182
20-58-P	96.51	40.21	7106.35	-34.42	1.241
20-59-P	96.51	40.21	7106.12	-34.69	1.314
20-60-P	72.38	40.21	5367.81	-26.31	1.060
20-61-P	72.38	40.21	5367.75	-26.38	1.133
20-62-P	72.38	40.21	5367.67	-26.46	1.218
20-63-P	72.38	40.21	5367.58	-26.56	1.318
20-64-P	72.38	40.21	5405.21	15.01	1.408
20-65-P	72.38	40.21	5406.08	15.98	1.419
20-66-P	72.38	40.21	5406.97	17.00	1.428
20-67-P	72.38	40.21	5407.90	18.04	1.437
20-68-P	72.38	40.21	5408.83	19.10	1.446
20-69-P	72.38	40.21	5409.78	20.17	1.463
20-70-P	72.38	40.21	5410.80	21.33	1.501
20-71-P	72.38	40.21	5411.90	22.56	1.542
20-72-P	72.38	40.21	5413.03	23.85	1.583
20-73-P	72.38	40.21	5414.23	25.20	1.627
20-74-P	72.38	40.21	5415.51	26.65	1.680
20-75-P	72.38	40.21	5417.18	28.54	1.760
20-76-P	40.21	40.21	3041.64	17.64	1.042
20-77-P	40.21	48.25	3048.59	19.91	1.102
20-78-P	40.21	56.30	3055.02	22.61	1.166
20-79-P	40.21	72.38	3063.72	25.65	1.240
20-80-P	40.21	80.42	3069.08	29.07	1.324
20-81-P	40.21	72.38	3070.52	33.04	1.431
20-82-P	40.21	64.34	2558.85	26.67	1.310
20-83-P	40.21	48.25	2046.83	20.24	1.163
20-84-P	40.21	40.21	1792.42	18.72	1.144
20-85-P	40.21	40.21	1794.58	22.74	1.304
20-86-P	40.21	40.21	1797.32	27.82	1.514
20-87-P	40.21	40.21	1797.97	29.03	1.706
20-88-P	40.21	40.21	1798.06	29.19	1.918
20-89-P	40.21	40.21	1797.76	28.63	2.138
20-90-P	40.21	40.21	1796.71	26.70	2.350
20-91-P	40.21	40.21	1795.62	24.66	2.573
20-92-P	40.21	40.21	1794.35	22.31	2.753
20-93-P	40.21	40.21	1792.38	18.64	2.893
20-94-P	40.21	40.21	1791.10	16.27	3.079
20-95-P	40.21	40.21	1789.94	14.11	3.309
20-96-P	40.21	40.21	1788.59	11.60	3.572
20-97-P	40.21	40.21	1786.99	8.64	3.877
20-98-P	40.21	40.21	1785.02	4.98	4.203
20-99-P	40.21	40.21	1782.99	1.21	4.453
20-100-P	40.21	40.21	1782.25	-0.17	4.683
20-101-P	40.21	40.21	1781.19	-2.07	4.913
20-102-P	40.21	40.21	1780.02	-4.18	5.170
20-103-P	40.21	40.21	1778.72	-6.53	5.459
20-104-P	24.13	24.13	1067.19	-4.17	5.944
21-1-P	32.17	32.17	-1423.11	-1.51	12.656
21-2-P	32.17	32.17	-1425.72	-2.47	6.607
21-3-P	40.21	40.21	-1780.33	-3.65	7.396
21-4-P	40.21	40.21	-1779.97	-4.30	6.998
21-5-P	40.21	40.21	-1779.65	-4.88	6.636
21-6-P	40.21	40.21	-1779.36	-5.40	6.306
21-7-P	40.21	40.21	-1778.77	-6.46	5.933
21-8-P	40.21	40.21	-1777.87	-8.09	5.315
21-9-P	40.21	40.21	-1777.37	-9.00	4.275
21-10-P	40.21	40.21	-1777.30	-9.12	3.438
21-11-P	40.21	40.21	-1777.26	-9.20	2.876
21-12-P	40.21	40.21	-1777.22	-9.28	2.476
21-13-P	40.21	40.21	-1776.92	-9.82	2.277
21-14-P	40.21	40.21	-1775.38	-12.60	2.559
21-15-P	40.21	40.21	-1772.63	-17.59	3.126
21-16-P	40.21	40.21	-1767.83	-26.28	4.160
21-17-P	40.21	40.21	1722.49	-107.81	6.067
21-18-P	40.21	40.21	1729.27	-95.61	4.949
21-19-P	40.21	40.21	1738.86	-78.33	4.034

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
21-20-P	40.21	40.21	1747.91	-62.03	3.340
21-21-P	40.21	40.21	1754.48	-50.18	2.831
21-22-P	40.21	40.21	1758.80	-42.41	2.455
21-23-P	40.21	40.21	2000.58	-48.11	2.461
21-24-P	40.21	56.30	2248.33	-53.32	2.466
21-25-P	40.21	64.34	2492.54	-57.80	2.461
21-26-P	40.21	72.38	2736.58	-61.64	2.453
21-27-P	40.21	80.42	2998.62	-45.83	2.423
21-28-P	40.21	72.38	2999.70	-42.62	2.183
21-29-P	40.21	56.30	2996.67	-40.00	1.968
21-30-P	40.21	48.25	2994.91	-37.88	1.787
21-31-P	40.21	40.21	2991.95	-36.09	1.636
21-32-P	40.21	40.21	2993.59	-34.34	1.498
21-33-P	40.21	40.21	2995.31	-32.50	1.369
21-34-P	40.21	40.21	2996.91	-30.79	1.252
21-35-P	40.21	40.21	2998.33	-29.27	1.154
21-36-P	40.21	40.21	2999.57	-27.95	1.069
21-37-P	64.34	40.21	4765.54	-42.48	1.579
21-38-P	64.34	40.21	4767.20	-40.67	1.464
21-39-P	64.34	40.21	4768.67	-39.08	1.362
21-40-P	64.34	40.21	4769.92	-37.72	1.275
21-41-P	64.34	40.21	4770.96	-36.60	1.204
21-42-P	64.34	40.21	4771.90	-35.58	1.143
21-43-P	64.34	40.21	4772.85	-34.55	1.088
21-44-P	64.34	40.21	4773.83	-33.48	1.034
21-45-P	80.42	40.21	5939.46	-40.39	1.224
21-46-P	80.42	40.21	5940.51	-39.24	1.167
21-47-P	80.42	40.21	5941.37	-38.30	1.120
21-48-P	80.42	40.21	5941.76	-37.87	1.101
21-49-P	80.42	40.21	5942.00	-37.61	1.092
21-50-P	80.42	40.21	5942.26	-37.32	1.085
21-51-P	80.42	40.21	5942.56	-36.99	1.078
21-52-P	80.42	40.21	5942.89	-36.63	1.072
21-53-P	80.42	40.21	5943.01	-36.50	1.079
21-54-P	80.42	40.21	5942.75	-36.78	1.109
21-55-P	80.42	40.21	5942.46	-37.10	1.142
21-56-P	80.42	40.21	5942.16	-37.43	1.178
21-57-P	80.42	40.21	5941.82	-37.81	1.218
21-58-P	64.34	40.21	4776.33	-30.77	1.025
21-59-P	64.34	40.21	4775.93	-31.21	1.082
21-60-P	64.34	40.21	4775.54	-31.63	1.141
21-61-P	64.34	40.21	4775.11	-32.09	1.207
21-62-P	64.34	40.21	4774.64	-32.61	1.281
21-63-P	64.34	40.21	4774.08	-33.22	1.369
21-64-P	64.34	40.21	4773.38	-33.98	1.470
21-65-P	64.34	40.21	4815.54	12.20	1.495
21-66-P	64.34	40.21	4816.19	12.93	1.508
21-67-P	64.34	40.21	4816.73	13.54	1.523
21-68-P	64.34	40.21	4817.30	14.18	1.537
21-69-P	64.34	40.21	4817.98	14.95	1.559
21-70-P	40.21	40.21	3034.89	10.15	1.008
21-71-P	40.21	40.21	3035.89	11.26	1.041
21-72-P	40.21	48.25	3042.10	12.76	1.079
21-73-P	40.21	56.30	3047.73	14.62	1.121
21-74-P	40.21	72.38	3055.49	16.71	1.168
21-75-P	40.21	80.42	3060.02	19.25	1.236
21-76-P	40.21	72.38	2806.15	18.74	1.204
21-77-P	40.21	64.34	2551.96	17.71	1.165
21-78-P	40.21	56.30	2297.59	16.21	1.116
21-79-P	40.21	40.21	2039.68	14.25	1.054
21-80-P	48.25	40.21	2140.45	14.34	1.178
21-81-P	40.21	40.21	1789.76	13.79	1.072
21-82-P	40.21	40.21	1791.47	16.95	1.210
21-83-P	40.21	40.21	1793.57	20.86	1.377
21-84-P	40.21	40.21	1795.30	24.07	1.570
21-85-P	40.21	40.21	1795.78	24.96	1.778
21-86-P	40.21	40.21	1795.34	24.14	2.014
21-87-P	40.21	40.21	1794.42	22.43	2.288
21-88-P	40.21	40.21	-1777.71	-8.38	2.580
21-89-P	40.21	40.21	-1778.63	-6.72	2.291
21-90-P	40.21	40.21	-1778.73	-6.55	2.489
21-91-P	40.21	40.21	1784.49	3.99	2.874
21-92-P	40.21	40.21	1781.55	-1.42	2.864
21-93-P	40.21	40.21	1778.59	-6.75	2.866
21-94-P	40.21	40.21	1775.89	-11.61	2.925
21-95-P	40.21	40.21	1774.31	-14.47	3.073
21-96-P	40.21	40.21	1773.94	-15.14	3.244
21-97-P	40.21	40.21	1774.18	-14.70	3.421
21-98-P	40.21	40.21	1774.45	-14.21	3.619
21-99-P	40.21	40.21	1774.76	-13.66	3.841
21-100-P	32.17	32.17	1421.13	-10.71	3.433
21-101-P	16.08	16.08	711.09	-5.08	3.398
22-1-P	32.17	32.17	-1413.57	-18.03	18.237
22-2-P	32.17	32.17	-1413.14	-23.37	9.278
22-3-P	40.21	40.21	-1765.88	-29.81	8.986
22-4-P	40.21	40.21	-1767.50	-26.88	8.131
22-5-P	40.21	40.21	-1769.09	-23.99	7.374
22-6-P	40.21	40.21	-1770.42	-21.59	6.748
22-7-P	40.21	40.21	-1771.79	-19.10	5.804

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
22-8-P	40.21	40.21	-1773.06	-16.81	4.579
22-9-P	40.21	40.21	-1773.74	-15.57	3.840
22-10-P	40.21	40.21	-1774.12	-14.88	3.442
22-11-P	40.21	40.21	-1774.32	-14.53	3.236
22-12-P	40.21	40.21	-1774.14	-14.86	3.131
22-13-P	40.21	40.21	-1771.82	-19.05	3.432
22-14-P	40.21	40.21	-1768.65	-24.79	3.851
22-15-P	40.21	40.21	1762.33	-36.06	4.097
22-16-P	40.21	40.21	1760.77	-38.85	3.679
22-17-P	40.21	40.21	1759.54	-41.08	3.319
22-18-P	40.21	40.21	1759.58	-41.00	3.068
22-19-P	40.21	40.21	1760.28	-39.73	2.832
22-20-P	40.21	40.21	1762.03	-36.58	2.539
22-21-P	40.21	40.21	1763.88	-33.25	2.270
22-22-P	40.21	40.21	1765.76	-29.86	2.032
22-23-P	40.21	40.21	1767.31	-27.08	1.836
22-24-P	40.21	40.21	1770.54	-21.26	1.661
22-25-P	40.21	48.25	2018.30	-25.35	1.692
22-26-P	40.21	48.25	2262.78	-29.02	1.677
22-27-P	40.21	56.30	2509.71	-32.91	1.667
22-28-P	40.21	64.34	2513.93	-30.80	1.515
22-29-P	40.21	72.38	2759.85	-34.94	1.523
22-30-P	40.21	72.38	3002.88	-39.27	1.530
22-31-P	40.21	64.34	3002.24	-37.32	1.411
22-32-P	40.21	56.30	3001.06	-35.33	1.288
22-33-P	40.21	48.25	2998.83	-33.72	1.186
22-34-P	40.21	40.21	2995.39	-32.41	1.102
22-35-P	40.21	40.21	2996.35	-31.39	1.033
22-36-P	64.34	40.21	4759.96	-48.53	1.548
22-37-P	64.34	40.21	4761.39	-46.99	1.465
22-38-P	64.34	40.21	4762.78	-45.48	1.393
22-39-P	64.34	40.21	4764.03	-44.11	1.328
22-40-P	64.34	40.21	4765.18	-42.87	1.268
22-41-P	64.34	40.21	4766.23	-41.73	1.214
22-42-P	64.34	40.21	4767.22	-40.65	1.164
22-43-P	64.34	40.21	4768.26	-39.53	1.116
22-44-P	64.34	40.21	4768.79	-38.96	1.089
22-45-P	64.34	40.21	4768.97	-38.75	1.077
22-46-P	64.34	40.21	4769.18	-38.53	1.065
22-47-P	64.34	40.21	4769.46	-38.23	1.052
22-48-P	64.34	40.21	4769.74	-37.92	1.039
22-49-P	64.34	40.21	4770.02	-37.62	1.026
22-50-P	64.34	40.21	4770.02	-37.62	1.035
22-51-P	64.34	40.21	4769.89	-37.76	1.052
22-52-P	64.34	40.21	4769.73	-37.94	1.072
22-53-P	64.34	40.21	4769.52	-38.16	1.095
22-54-P	64.34	40.21	4769.33	-38.36	1.119
22-55-P	64.34	40.21	4768.84	-38.90	1.159
22-56-P	64.34	40.21	4768.18	-39.61	1.213
22-57-P	64.34	40.21	4767.48	-40.37	1.272
22-58-P	64.34	40.21	4766.77	-41.15	1.335
22-59-P	64.34	40.21	4766.00	-41.98	1.403
22-60-P	64.34	40.21	4765.21	-42.84	1.477
22-61-P	64.34	40.21	4764.62	-43.47	1.554
22-62-P	40.21	40.21	2999.77	-27.74	1.033
22-63-P	40.21	40.21	2999.25	-28.29	1.099
22-64-P	40.21	48.25	3038.79	9.12	1.133
22-65-P	40.21	56.30	3043.44	9.93	1.146
22-66-P	40.21	64.34	3047.34	10.70	1.160
22-67-P	40.21	72.38	3051.07	11.90	1.190
22-68-P	40.21	72.38	2799.94	11.41	1.135
22-69-P	40.21	64.34	2546.62	10.77	1.074
22-70-P	40.21	56.30	2545.12	12.29	1.117
22-71-P	40.21	48.25	2291.27	11.43	1.049
22-72-P	48.25	48.25	2443.19	12.59	1.169
22-73-P	48.25	40.21	2138.49	10.69	1.079
22-74-P	48.25	40.21	2138.86	11.38	1.141
22-75-P	40.21	40.21	1787.85	10.23	1.013
22-76-P	40.21	40.21	1788.28	11.03	1.078
22-77-P	40.21	40.21	1788.63	11.68	1.148
22-78-P	40.21	40.21	1788.91	12.20	1.220
22-79-P	40.21	40.21	1789.01	12.38	1.293
22-80-P	40.21	40.21	1789.03	12.43	1.402
22-81-P	40.21	40.21	1788.40	11.26	1.538
22-82-P	40.21	40.21	1787.66	9.88	1.690
22-83-P	40.21	40.21	1786.63	7.97	1.874
22-84-P	40.21	40.21	1785.42	5.72	2.078
22-85-P	40.21	40.21	1783.93	2.95	2.302
22-86-P	40.21	40.21	1782.37	0.05	2.452
22-87-P	40.21	40.21	1780.58	-3.18	2.598
22-88-P	40.21	40.21	1778.38	-7.14	2.709
22-89-P	40.21	40.21	1775.84	-11.71	2.774
22-90-P	40.21	40.21	1773.68	-15.60	2.795
22-91-P	40.21	40.21	1772.86	-17.08	2.860
22-92-P	40.21	40.21	1772.67	-17.41	2.953
22-93-P	40.21	40.21	1772.47	-17.78	3.053
22-94-P	40.21	40.21	1772.34	-18.02	3.176
22-95-P	32.17	32.17	1418.01	-14.48	3.260
22-96-P	16.08	16.08	709.15	-7.06	3.454

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
23-1-P	24.13	24.13	1082.20	26.72	16.204
23-2-P	24.13	24.13	1083.33	24.82	7.404
23-3-P	40.21	40.21	1803.00	38.57	7.722
23-4-P	40.21	40.21	1802.34	37.15	7.252
23-5-P	40.21	40.21	1801.53	35.64	6.841
23-6-P	40.21	40.21	1800.44	33.62	6.413
23-7-P	40.21	40.21	1797.36	27.89	5.822
23-8-P	40.21	40.21	1793.32	20.39	5.118
23-9-P	40.21	40.21	1791.22	16.48	4.496
23-10-P	40.21	40.21	1790.78	15.68	4.000
23-11-P	40.21	40.21	1789.56	13.40	3.639
23-12-P	40.21	40.21	1770.49	-21.34	3.330
23-13-P	40.21	40.21	1769.97	-22.29	3.030
23-14-P	40.21	40.21	1769.33	-23.44	2.817
23-15-P	40.21	40.21	1767.99	-25.86	2.780
23-16-P	40.21	40.21	1766.28	-28.93	2.813
23-17-P	40.21	40.21	1764.75	-31.68	2.823
23-18-P	40.21	40.21	1764.72	-31.74	2.664
23-19-P	40.21	40.21	1765.88	-29.64	2.391
23-20-P	40.21	40.21	1766.94	-27.74	2.155
23-21-P	40.21	40.21	1767.96	-25.90	1.939
23-22-P	40.21	40.21	1769.15	-23.76	1.715
23-23-P	40.21	40.21	1770.36	-21.58	1.508
23-24-P	40.21	40.21	1771.33	-19.84	1.345
23-25-P	40.21	40.21	1772.19	-18.28	1.204
23-26-P	40.21	40.21	1772.92	-16.97	1.086
23-27-P	56.30	40.21	2468.99	-22.20	1.381
23-28-P	56.30	40.21	2810.46	-27.54	1.470
23-29-P	56.30	48.25	2817.63	-27.08	1.396
23-30-P	56.30	48.25	3158.79	-32.71	1.461
23-31-P	56.30	56.30	3165.50	-31.63	1.367
23-32-P	56.30	56.30	3506.24	-37.50	1.420
23-33-P	56.30	56.30	3507.06	-36.45	1.338
23-34-P	56.30	56.30	3846.67	-42.71	1.387
23-35-P	56.30	56.30	3847.72	-41.50	1.313
23-36-P	56.30	56.30	4186.83	-47.42	1.357
23-37-P	56.30	48.25	4180.99	-45.84	1.297
23-38-P	56.30	56.30	4189.44	-44.63	1.252
23-39-P	56.30	48.25	4183.23	-43.43	1.212
23-40-P	56.30	48.25	4184.19	-42.40	1.178
23-41-P	56.30	48.25	4185.10	-41.42	1.146
23-42-P	56.30	40.21	4176.74	-40.85	1.122
23-43-P	56.30	40.21	4176.67	-40.93	1.110
23-44-P	56.30	40.21	4176.61	-40.99	1.099
23-45-P	56.30	40.21	4176.59	-41.02	1.092
23-46-P	56.30	40.21	4176.65	-40.95	1.087
23-47-P	56.30	40.21	4176.70	-40.89	1.089
23-48-P	56.30	40.21	4176.77	-40.82	1.097
23-49-P	56.30	40.21	4176.89	-40.69	1.110
23-50-P	56.30	40.21	4177.03	-40.55	1.124
23-51-P	56.30	48.25	4185.70	-40.78	1.146
23-52-P	56.30	48.25	4185.04	-41.49	1.177
23-53-P	56.30	48.25	4184.26	-42.33	1.212
23-54-P	56.30	56.30	4190.68	-43.30	1.254
23-55-P	56.30	48.25	4182.52	-44.19	1.300
23-56-P	56.30	56.30	4188.77	-45.34	1.361
23-57-P	56.30	56.30	3849.67	-39.22	1.316
23-58-P	56.30	56.30	3849.00	-40.00	1.388
23-59-P	56.30	56.30	3509.07	-33.89	1.339
23-60-P	56.30	56.30	3508.49	-34.63	1.421
23-61-P	56.30	56.30	3167.37	-28.99	1.367
23-62-P	56.30	48.25	3188.04	9.13	1.442
23-63-P	56.30	48.25	2839.37	7.77	1.296
23-64-P	56.30	40.21	2832.84	8.57	1.309
23-65-P	56.30	40.21	2485.27	7.72	1.183
23-66-P	56.30	40.21	2486.19	9.44	1.239
23-67-P	56.30	40.21	2487.22	11.38	1.303
23-68-P	56.30	40.21	2488.33	13.47	1.372
23-69-P	40.21	40.21	1788.44	11.33	1.040
23-70-P	40.21	40.21	1789.02	12.40	1.113
23-71-P	40.21	40.21	1788.91	12.20	1.208
23-72-P	40.21	40.21	1788.44	11.33	1.300
23-73-P	40.21	40.21	1787.69	9.93	1.389
23-74-P	40.21	40.21	1786.65	8.00	1.481
23-75-P	40.21	40.21	1785.15	5.22	1.528
23-76-P	40.21	40.21	1783.27	1.73	1.516
23-77-P	40.21	40.21	1781.35	-1.78	1.498
23-78-P	40.21	40.21	1779.73	-4.71	1.509
23-79-P	40.21	40.21	1778.73	-6.50	1.588
23-80-P	40.21	40.21	1778.06	-7.72	1.679
23-81-P	40.21	40.21	1777.55	-8.63	1.761
23-82-P	40.21	40.21	1777.29	-9.09	1.852
23-83-P	40.21	40.21	1777.32	-9.03	1.979
23-84-P	40.21	40.21	1776.71	-10.14	2.124
23-85-P	40.21	40.21	1775.44	-12.43	2.274
23-86-P	40.21	40.21	1774.50	-14.11	2.405
23-87-P	40.21	40.21	1774.18	-14.69	2.516
23-88-P	40.21	40.21	1773.95	-15.12	2.626
23-89-P	40.21	40.21	1773.63	-15.49	2.768

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
23-90-P	24.13	24.13	1064.61	-9.67	2.554
23-91-P	8.04	8.04	355.64	-3.37	1.793
24-1-P	16.08	16.08	719.30	13.43	8.476
24-2-P	16.08	16.08	721.08	12.96	3.878
24-3-P	32.17	32.17	1439.50	24.95	4.735
24-4-P	40.21	40.21	1798.68	30.35	4.517
24-5-P	40.21	40.21	1798.55	30.10	4.203
24-6-P	40.21	40.21	1798.45	29.91	3.891
24-7-P	40.21	40.21	1767.08	-27.49	3.541
24-8-P	40.21	40.21	1767.46	-26.80	3.255
24-9-P	40.21	40.21	1767.47	-26.79	3.056
24-10-P	40.21	40.21	1767.52	-26.70	2.901
24-11-P	40.21	40.21	1767.27	-27.14	2.805
24-12-P	40.21	40.21	1765.90	-29.61	2.831
24-13-P	40.21	40.21	1764.35	-32.40	2.875
24-14-P	40.21	40.21	1763.06	-34.74	2.886
24-15-P	40.21	40.21	1762.12	-36.43	2.860
24-16-P	40.21	40.21	1762.08	-36.49	2.740
24-17-P	40.21	40.21	1764.60	-31.95	2.311
24-18-P	40.21	40.21	1766.74	-28.11	1.961
24-19-P	40.21	40.21	1768.50	-24.93	1.679
24-20-P	40.21	40.21	1769.91	-22.39	1.458
24-21-P	40.21	40.21	1770.95	-20.51	1.294
24-22-P	40.21	40.21	1771.44	-19.63	1.201
24-23-P	40.21	40.21	1771.67	-19.21	1.137
24-24-P	40.21	40.21	1771.70	-19.16	1.093
24-25-P	40.21	40.21	1771.73	-19.12	1.053
24-26-P	40.21	40.21	1771.76	-19.07	1.015
24-27-P	56.30	40.21	2466.71	-26.34	1.357
24-28-P	56.30	40.21	2467.18	-25.49	1.278
24-29-P	56.30	40.21	2467.94	-24.11	1.186
24-30-P	56.30	40.21	2468.61	-22.89	1.108
24-31-P	56.30	40.21	2469.24	-21.73	1.040
24-32-P	72.38	40.21	3157.83	-26.39	1.252
24-33-P	72.38	40.21	3158.42	-25.27	1.191
24-34-P	72.38	40.21	3158.77	-24.60	1.154
24-35-P	72.38	40.21	3159.09	-23.99	1.119
24-36-P	72.38	40.21	3159.37	-23.47	1.088
24-37-P	72.38	40.21	3597.60	-29.68	1.206
24-38-P	72.38	40.21	3597.91	-29.16	1.176
24-39-P	72.38	48.25	3609.71	-28.81	1.152
24-40-P	72.38	48.25	3609.55	-29.07	1.151
24-41-P	72.38	48.25	3609.44	-29.26	1.155
24-42-P	72.38	48.25	3609.43	-29.28	1.155
24-43-P	72.38	40.21	3597.93	-29.13	1.151
24-44-P	72.38	48.25	3609.49	-29.17	1.154
24-45-P	72.38	48.25	3609.56	-29.06	1.153
24-46-P	72.38	48.25	3609.70	-28.82	1.149
24-47-P	72.38	48.25	3609.88	-28.53	1.150
24-48-P	72.38	40.21	3598.20	-28.68	1.174
24-49-P	72.38	40.21	3598.00	-29.02	1.204
24-50-P	72.38	40.21	3159.71	-22.81	1.087
24-51-P	72.38	40.21	3159.51	-23.20	1.118
24-52-P	72.38	40.21	3159.25	-23.69	1.153
24-53-P	72.38	40.21	3158.97	-24.23	1.191
24-54-P	72.38	40.21	3158.39	-25.33	1.253
24-55-P	56.30	40.21	2469.69	-20.92	1.040
24-56-P	56.30	40.21	2469.06	-22.06	1.108
24-57-P	56.30	40.21	2468.42	-23.24	1.186
24-58-P	56.30	40.21	2467.71	-24.53	1.277
24-59-P	56.30	40.21	2467.31	-25.26	1.356
24-60-P	40.21	40.21	1783.50	2.16	1.000
24-61-P	40.21	40.21	1783.80	2.70	1.009
24-62-P	40.21	40.21	1784.09	3.25	1.017
24-63-P	40.21	40.21	1784.41	3.85	1.026
24-64-P	40.21	40.21	1784.91	4.78	1.054
24-65-P	40.21	40.21	1785.58	6.02	1.108
24-66-P	40.21	40.21	1785.39	5.67	1.206
24-67-P	40.21	40.21	1784.67	4.33	1.333
24-68-P	40.21	40.21	1783.77	2.66	1.485
24-69-P	40.21	40.21	1782.74	0.75	1.658
24-70-P	40.21	40.21	1781.41	-1.67	1.852
24-71-P	40.21	40.21	1779.76	-4.65	1.852
24-72-P	40.21	40.21	1778.07	-7.70	1.812
24-73-P	40.21	40.21	1776.40	-10.70	1.766
24-74-P	40.21	40.21	1774.86	-13.48	1.712
24-75-P	40.21	40.21	1773.50	-15.92	1.668
24-76-P	40.21	40.21	1773.27	-16.33	1.680
24-77-P	40.21	40.21	1773.39	-16.13	1.712
24-78-P	40.21	40.21	1773.49	-15.95	1.750
24-79-P	40.21	40.21	1773.66	-15.64	1.812
24-80-P	40.21	40.21	1773.93	-15.15	1.908
24-81-P	40.21	40.21	1774.17	-14.72	2.003
24-82-P	40.21	40.21	1774.38	-14.34	2.099
24-83-P	32.17	32.17	1419.69	-11.48	2.135
24-84-P	16.08	16.08	710.88	-5.82	1.689
24-85-P	8.04	8.04	355.42	-2.95	1.782
25-1-P	16.08	16.08	704.10	-13.89	6.878
25-2-P	16.08	16.08	705.55	-14.01	3.208

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
25-3-P	24.13	24.13	1058.28	-21.08	2.993
25-4-P	32.17	32.17	1410.81	-28.32	2.871
25-5-P	40.21	40.21	1762.70	-35.37	3.056
25-6-P	40.21	40.21	1762.92	-34.99	2.960
25-7-P	40.21	40.21	1763.22	-34.44	2.866
25-8-P	40.21	40.21	1763.64	-33.68	2.761
25-9-P	40.21	40.21	1764.30	-32.51	2.554
25-10-P	40.21	40.21	1764.86	-31.49	2.379
25-11-P	40.21	40.21	1765.28	-30.73	2.238
25-12-P	40.21	40.21	1765.61	-30.14	2.119
25-13-P	40.21	40.21	1766.36	-28.80	1.951
25-14-P	40.21	40.21	1767.61	-26.53	1.729
25-15-P	40.21	40.21	1768.51	-24.91	1.561
25-16-P	40.21	40.21	1769.11	-23.84	1.435
25-17-P	40.21	40.21	1769.48	-23.17	1.339
25-18-P	40.21	40.21	1769.66	-22.85	1.271
25-19-P	40.21	40.21	1769.65	-22.87	1.233
25-20-P	40.21	40.21	1769.64	-22.87	1.195
25-21-P	40.21	40.21	1769.66	-22.85	1.158
25-22-P	40.21	40.21	1769.51	-23.12	1.137
25-23-P	40.21	40.21	1768.98	-24.06	1.153
25-24-P	40.21	40.21	1768.11	-25.63	1.199
25-25-P	40.21	40.21	1767.75	-26.28	1.209
25-26-P	40.21	40.21	1768.99	-24.06	1.104
25-27-P	40.21	40.21	1770.17	-21.92	1.003
25-28-P	64.34	40.21	2810.72	-31.73	1.446
25-29-P	64.34	40.21	2812.14	-29.04	1.316
25-30-P	64.34	40.21	2813.35	-26.76	1.202
25-31-P	64.34	40.21	2813.69	-26.11	1.170
25-32-P	64.34	40.21	2813.89	-25.74	1.148
25-33-P	64.34	40.21	2814.08	-25.38	1.127
25-34-P	64.34	40.21	2814.25	-25.05	1.105
25-35-P	64.34	40.21	2814.39	-24.80	1.084
25-36-P	64.34	40.21	2814.06	-25.42	1.100
25-37-P	64.34	40.21	2813.65	-26.19	1.119
25-38-P	64.34	40.21	2813.20	-27.04	1.139
25-39-P	64.34	40.21	2812.72	-27.96	1.163
25-40-P	64.34	40.21	2812.70	-27.98	1.162
25-41-P	64.34	40.21	2813.15	-27.14	1.139
25-42-P	64.34	40.21	2813.56	-26.37	1.119
25-43-P	64.34	40.21	2813.93	-25.67	1.100
25-44-P	64.34	40.21	2814.24	-25.08	1.084
25-45-P	64.34	40.21	2814.22	-25.11	1.105
25-46-P	64.34	40.21	2814.17	-25.21	1.128
25-47-P	64.34	40.21	2814.11	-25.33	1.149
25-48-P	64.34	40.21	2814.04	-25.45	1.171
25-49-P	64.34	40.21	2813.81	-25.88	1.204
25-50-P	64.34	40.21	2812.56	-28.24	1.317
25-51-P	64.34	40.21	2811.09	-31.03	1.447
25-52-P	40.21	40.21	1770.37	-21.56	1.003
25-53-P	40.21	40.21	1769.14	-23.79	1.104
25-54-P	40.21	40.21	1767.84	-26.12	1.208
25-55-P	40.21	40.21	1768.06	-25.72	1.198
25-56-P	40.21	40.21	1768.78	-24.42	1.152
25-57-P	40.21	40.21	1769.23	-23.62	1.136
25-58-P	40.21	40.21	1769.38	-23.35	1.156
25-59-P	40.21	40.21	1778.21	-7.44	1.184
25-60-P	40.21	40.21	1779.34	-5.41	1.201
25-61-P	40.21	40.21	1780.80	-2.78	1.221
25-62-P	40.21	40.21	1781.13	-2.19	1.263
25-63-P	40.21	40.21	1780.80	-2.78	1.322
25-64-P	40.21	40.21	1780.30	-3.68	1.399
25-65-P	40.21	40.21	1779.59	-4.95	1.498
25-66-P	40.21	40.21	1778.70	-6.56	1.623
25-67-P	40.21	40.21	1777.62	-8.51	1.682
25-68-P	40.21	40.21	1776.54	-10.44	1.687
25-69-P	40.21	40.21	1775.51	-12.31	1.694
25-70-P	40.21	40.21	1774.52	-14.08	1.707
25-71-P	40.21	40.21	1773.59	-15.76	1.722
25-72-P	40.21	40.21	1773.44	-16.03	1.749
25-73-P	40.21	40.21	1773.48	-15.95	1.780
25-74-P	40.21	40.21	1773.56	-15.81	1.812
25-75-P	32.17	32.17	1419.57	-12.56	1.666
25-76-P	24.13	24.13	1064.82	-9.30	1.680
25-77-P	16.08	16.08	709.91	-6.14	1.732
25-78-P	8.04	8.04	354.98	-3.04	1.787
26-1-P	8.04	8.04	352.48	-6.95	3.046
26-2-P	8.04	8.04	353.99	-6.72	1.457
26-3-P	16.08	16.08	706.93	-12.92	1.850
26-4-P	24.13	24.13	1059.99	-18.59	1.982
26-5-P	32.17	32.17	1412.99	-24.09	2.012
26-6-P	40.21	40.21	1765.90	-29.62	2.012
26-7-P	40.21	40.21	1766.09	-29.28	1.890
26-8-P	40.21	40.21	1766.22	-29.03	1.783
26-9-P	40.21	40.21	1766.43	-28.66	1.684
26-10-P	40.21	40.21	1766.64	-28.29	1.595
26-11-P	40.21	40.21	1766.84	-27.92	1.513
26-12-P	40.21	40.21	1766.99	-27.65	1.444
26-13-P	40.21	40.21	1767.10	-27.45	1.386

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
26-14-P	40.21	40.21	1767.06	-27.53	1.357
26-15-P	40.21	40.21	1767.01	-27.61	1.331
26-16-P	40.21	40.21	1766.98	-27.67	1.305
26-17-P	40.21	40.21	1766.94	-27.74	1.282
26-18-P	40.21	40.21	1765.97	-29.50	1.333
26-19-P	40.21	40.21	1765.15	-30.97	1.373
26-20-P	40.21	40.21	1764.82	-31.56	1.378
26-21-P	40.21	40.21	1765.01	-31.21	1.345
26-22-P	40.21	40.21	1766.13	-29.19	1.237
26-23-P	40.21	40.21	1767.58	-26.58	1.107
26-24-P	56.30	40.21	2462.57	-33.89	1.389
26-25-P	56.30	40.21	2463.91	-31.44	1.269
26-26-P	56.30	40.21	2464.83	-29.78	1.181
26-27-P	56.30	40.21	2464.89	-29.67	1.165
26-28-P	56.30	40.21	2464.88	-29.69	1.158
26-29-P	56.30	40.21	2464.85	-29.74	1.151
26-30-P	56.30	40.21	2464.85	-29.74	1.144
26-31-P	56.30	40.21	2464.17	-30.98	1.191
26-32-P	56.30	40.21	2462.88	-33.32	1.282
26-33-P	56.30	40.21	2461.52	-35.82	1.380
26-34-P	56.30	40.21	2460.08	-38.43	1.481
26-35-P	56.30	40.21	2458.94	-40.51	1.554
26-36-P	56.30	40.21	2459.96	-38.64	1.481
26-37-P	56.30	40.21	2461.27	-36.26	1.380
26-38-P	56.30	40.21	2462.52	-33.98	1.282
26-39-P	56.30	40.21	2463.71	-31.82	1.191
26-40-P	56.30	40.21	2464.39	-30.58	1.144
26-41-P	56.30	40.21	2464.56	-30.27	1.151
26-42-P	56.30	40.21	2464.75	-29.91	1.158
26-43-P	56.30	40.21	2464.93	-29.59	1.166
26-44-P	56.30	40.21	2465.00	-29.47	1.182
26-45-P	56.30	40.21	2464.04	-31.22	1.269
26-46-P	56.30	40.21	2462.62	-33.80	1.390
26-47-P	40.21	40.21	1767.55	-26.64	1.108
26-48-P	40.21	40.21	1766.01	-29.42	1.237
26-49-P	40.21	40.21	1764.79	-31.62	1.344
26-50-P	40.21	40.21	1764.48	-32.17	1.377
26-51-P	40.21	40.21	1764.68	-31.81	1.372
26-52-P	40.21	40.21	1765.37	-30.56	1.331
26-53-P	40.21	40.21	1766.24	-29.00	1.279
26-54-P	40.21	40.21	1766.29	-28.91	1.303
26-55-P	40.21	40.21	1766.34	-28.82	1.329
26-56-P	40.21	40.21	1766.43	-28.67	1.355
26-57-P	40.21	40.21	1766.54	-28.46	1.384
26-58-P	40.21	40.21	1766.39	-28.73	1.443
26-59-P	40.21	40.21	1775.81	-11.76	1.489
26-60-P	40.21	40.21	1775.93	-11.54	1.530
26-61-P	40.21	40.21	1776.21	-11.04	1.572
26-62-P	40.21	40.21	1776.43	-10.65	1.614
26-63-P	40.21	40.21	1776.31	-10.86	1.648
26-64-P	40.21	40.21	1776.14	-11.17	1.682
26-65-P	32.17	32.17	1421.23	-9.26	1.592
26-66-P	24.13	24.13	1066.17	-7.47	1.469
26-67-P	16.08	16.08	711.12	-5.38	1.295
26-68-P	16.08	8.04	704.00	-5.49	1.954
26-69-P	8.04	8.04	354.76	-2.85	2.002
27-1-P	16.08	8.04	695.04	-11.80	4.783
27-2-P	8.04	8.04	353.91	-5.96	1.143
27-3-P	16.08	16.08	706.56	-11.84	1.512
27-4-P	16.08	16.08	707.39	-12.00	1.154
27-5-P	24.13	24.13	1059.70	-18.30	1.394
27-6-P	32.17	32.17	1411.91	-24.80	1.546
27-7-P	32.17	32.17	1412.60	-25.21	1.319
27-8-P	40.21	40.21	1764.63	-31.79	1.463
27-9-P	40.21	40.21	1764.79	-31.61	1.426
27-10-P	40.21	40.21	1765.03	-31.18	1.399
27-11-P	40.21	40.21	1765.40	-30.52	1.370
27-12-P	40.21	40.21	1765.84	-29.72	1.335
27-13-P	40.21	40.21	1766.20	-29.08	1.282
27-14-P	40.21	40.21	1766.49	-28.54	1.236
27-15-P	40.21	40.21	1766.72	-28.13	1.194
27-16-P	40.21	40.21	1766.82	-27.95	1.158
27-17-P	40.21	40.21	1767.16	-27.35	1.101
27-18-P	40.21	40.21	1767.32	-27.06	1.060
27-19-P	40.21	40.21	1767.39	-26.92	1.026
27-20-P	48.25	40.21	2115.10	-32.02	1.188
27-21-P	48.25	40.21	2115.18	-31.87	1.154
27-22-P	48.25	40.21	2115.07	-32.07	1.149
27-23-P	48.25	40.21	2115.01	-32.17	1.154
27-24-P	48.25	40.21	2115.02	-32.16	1.162
27-25-P	48.25	40.21	2115.03	-32.15	1.171
27-26-P	40.21	40.21	1767.10	-27.45	1.009
27-27-P	40.21	40.21	1766.46	-28.62	1.061
27-28-P	40.21	40.21	1766.15	-29.16	1.082
27-29-P	40.21	40.21	1766.11	-29.24	1.082
27-30-P	40.21	40.21	1766.07	-29.31	1.082
27-31-P	40.21	40.21	1766.28	-28.93	1.061
27-32-P	40.21	40.21	1766.83	-27.93	1.009
27-33-P	48.25	40.21	2114.65	-32.82	1.171

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
27-34-P	48.25	40.21	2114.64	-32.86	1.161
27-35-P	48.25	40.21	2114.64	-32.85	1.154
27-36-P	48.25	40.21	2114.76	-32.64	1.149
27-37-P	48.25	40.21	2114.96	-32.27	1.154
27-38-P	48.25	40.21	2114.86	-32.45	1.188
27-39-P	40.21	40.21	1767.18	-27.30	1.026
27-40-P	40.21	40.21	1767.10	-27.46	1.060
27-41-P	40.21	40.21	1766.92	-27.79	1.102
27-42-P	40.21	40.21	1766.53	-28.48	1.159
27-43-P	40.21	40.21	1766.37	-28.78	1.195
27-44-P	40.21	40.21	1766.05	-29.34	1.236
27-45-P	40.21	40.21	1765.66	-30.05	1.281
27-46-P	40.21	40.21	1765.21	-30.86	1.333
27-47-P	40.21	40.21	1764.73	-31.72	1.368
27-48-P	40.21	40.21	1764.35	-32.41	1.397
27-49-P	40.21	40.21	1764.11	-32.85	1.424
27-50-P	40.21	40.21	1763.94	-33.02	1.461
27-51-P	32.17	32.17	1412.06	-26.19	1.317
27-52-P	32.17	32.17	1411.35	-25.83	1.545
27-53-P	24.13	24.13	1059.26	-19.10	1.392
27-54-P	16.08	16.08	707.08	-12.55	1.153
27-55-P	16.08	16.08	710.30	-5.10	1.486
27-56-P	8.04	8.04	355.83	-2.50	1.087
27-57-P	16.08	8.04	698.62	-4.93	4.361
28-1-P	8.04	8.04	352.33	-6.38	3.261
28-2-P	8.04	8.04	352.85	-6.20	1.595
28-3-P	16.08	8.04	698.28	-11.91	2.056
28-4-P	16.08	8.04	700.38	-11.60	1.511
28-5-P	24.13	16.08	1052.93	-17.05	1.809
28-6-P	24.13	16.08	1053.89	-17.04	1.527
28-7-P	24.13	16.08	1054.76	-17.16	1.312
28-8-P	24.13	24.13	1059.88	-17.34	1.148
28-9-P	24.13	24.13	1060.31	-17.43	1.011
28-10-P	32.17	24.13	1408.07	-23.20	1.198
28-11-P	40.21	32.17	1759.72	-29.04	1.395
28-12-P	40.21	32.17	1760.05	-29.18	1.317
28-13-P	40.21	32.17	1760.35	-29.37	1.254
28-14-P	40.21	32.17	1760.65	-29.56	1.197
28-15-P	40.21	32.17	1760.98	-29.71	1.152
28-16-P	40.21	32.17	1761.22	-29.74	1.134
28-17-P	40.21	32.17	1761.46	-29.54	1.127
28-18-P	40.21	32.17	1761.83	-29.13	1.117
28-19-P	56.30	40.21	2458.92	-39.95	1.544
28-20-P	56.30	40.21	2459.34	-39.49	1.528
28-21-P	56.30	40.21	2459.54	-39.41	1.511
28-22-P	56.30	40.21	2459.24	-39.66	1.528
28-23-P	56.30	40.21	2458.77	-40.23	1.543
28-24-P	40.21	32.17	1761.69	-29.38	1.117
28-25-P	40.21	32.17	1761.30	-29.84	1.127
28-26-P	40.21	32.17	1761.03	-30.07	1.134
28-27-P	40.21	32.17	1760.78	-30.08	1.151
28-28-P	40.21	32.17	1760.42	-29.98	1.197
28-29-P	40.21	32.17	1760.08	-29.85	1.254
28-30-P	40.21	32.17	1759.75	-29.72	1.317
28-31-P	40.21	32.17	1759.40	-29.63	1.395
28-32-P	32.17	24.13	1407.80	-23.69	1.198
28-33-P	24.13	24.13	1060.10	-17.81	1.012
28-34-P	24.13	24.13	1059.65	-17.75	1.148
28-35-P	24.13	16.08	1054.52	-17.60	1.313
28-36-P	24.13	16.08	1053.63	-17.52	1.527
28-37-P	24.13	16.08	1052.64	-17.58	1.809
28-38-P	16.08	8.04	700.16	-12.00	1.510
28-39-P	16.08	8.04	698.06	-12.33	2.054
28-40-P	8.04	8.04	352.72	-6.42	1.593
28-41-P	8.04	8.04	352.20	-6.61	3.258
29-1-S	8.04	8.04	359.09	5.90	6.581
29-2-S	8.04	8.04	359.39	5.76	3.213
29-3-S	8.04	8.04	360.00	5.62	2.094
29-4-S	8.04	8.04	360.58	5.49	1.536
29-5-S	16.08	16.08	718.85	10.59	2.428
29-6-S	16.08	16.08	719.34	10.59	2.036
29-7-S	16.08	16.08	719.91	10.76	1.740
29-8-S	24.13	24.13	1078.29	16.33	2.257
29-9-S	24.13	24.13	1078.89	16.53	1.978
29-10-S	24.13	24.13	1079.48	16.76	1.754
29-11-S	32.17	32.17	1437.80	22.58	2.161
29-12-S	32.17	32.17	1438.18	22.75	2.026
29-13-S	32.17	32.17	1430.34	7.66	1.914
29-14-S	32.17	32.17	1430.13	6.73	1.808
29-15-S	32.17	32.17	1430.05	6.04	1.722
29-16-S	32.17	32.17	1430.01	5.64	1.677
29-17-S	32.17	32.17	1429.82	5.10	1.643
29-18-S	32.17	32.17	1429.52	4.36	1.600
29-19-S	40.21	40.21	1784.56	4.47	1.942
29-20-S	40.21	40.21	1783.74	2.77	1.872
29-21-S	40.21	40.21	1782.35	0.02	1.783
29-22-S	40.21	40.21	1780.84	-2.53	1.738
29-23-S	40.21	40.21	1779.99	-3.90	1.714
29-24-S	32.17	32.17	1425.13	-3.68	1.362

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
29-25-S	32.17	32.17	1424.76	-4.16	1.352
29-26-S	32.17	32.17	1424.48	-4.49	1.344
29-27-S	32.17	32.17	1424.18	-4.71	1.351
29-28-S	32.17	32.17	1423.65	-5.14	1.389
29-29-S	32.17	32.17	1423.04	-5.73	1.437
29-30-S	32.17	32.17	1422.44	-6.28	1.489
29-31-S	32.17	32.17	1421.99	-6.59	1.554
29-32-S	24.13	24.13	1067.74	-4.91	1.228
29-33-S	24.13	24.13	1067.29	-4.88	1.341
29-34-S	24.13	24.13	1066.70	-5.05	1.477
29-35-S	16.08	16.08	712.19	-3.49	1.097
29-36-S	16.08	16.08	711.64	-3.61	1.235
29-37-S	16.08	16.08	710.95	-3.96	1.407
29-38-S	16.08	8.04	704.19	-4.58	1.674
29-39-S	16.08	8.04	701.97	-4.84	2.219
29-40-S	8.04	8.04	354.85	-2.58	1.678
29-41-S	8.04	8.04	354.37	-2.71	3.341
30-1-S	16.08	8.04	707.37	14.11	8.108
30-2-S	8.04	8.04	361.32	7.62	2.074
30-3-S	16.08	16.08	721.72	15.96	2.898
30-4-S	16.08	16.08	723.05	16.73	2.289
30-5-S	24.13	24.13	1083.97	26.22	2.844
30-6-S	32.17	32.17	1438.10	23.06	3.179
30-7-S	32.17	32.17	1439.28	23.55	2.706
30-8-S	40.21	40.21	1798.53	30.19	2.999
30-9-S	40.21	40.21	1798.78	30.53	2.924
30-10-S	40.21	40.21	1798.78	30.54	2.869
30-11-S	40.21	40.21	1798.60	30.20	2.809
30-12-S	40.21	40.21	1798.20	29.46	2.733
30-13-S	40.21	40.21	1797.53	28.22	2.607
30-14-S	40.21	40.21	1796.89	27.02	2.495
30-15-S	40.21	40.21	1796.38	26.08	2.394
30-16-S	40.21	40.21	1796.11	25.58	2.306
30-17-S	40.21	40.21	1795.87	25.14	2.190
30-18-S	40.21	40.21	1795.92	25.22	2.097
30-19-S	40.21	40.21	1796.03	25.42	2.018
30-20-S	40.21	40.21	1796.10	25.55	1.942
30-21-S	40.21	40.21	1786.43	7.60	1.876
30-22-S	40.21	40.21	1788.28	11.04	1.848
30-23-S	40.21	40.21	1789.53	13.36	1.838
30-24-S	40.21	40.21	1789.76	13.78	1.833
30-25-S	40.21	40.21	1789.62	13.52	1.831
30-26-S	40.21	40.21	1788.51	11.46	1.843
30-27-S	40.21	40.21	1786.23	7.23	1.857
30-28-S	40.21	40.21	1784.09	3.26	1.810
30-29-S	40.21	40.21	1782.35	0.02	1.739
30-30-S	40.21	40.21	1780.69	-2.97	1.672
30-31-S	40.21	40.21	1778.92	-6.16	1.590
30-32-S	40.21	40.21	1777.21	-9.24	1.492
30-33-S	40.21	40.21	1776.47	-10.57	1.435
30-34-S	40.21	40.21	1776.45	-10.61	1.414
30-35-S	40.21	40.21	1776.72	-10.12	1.395
30-36-S	40.21	40.21	1777.78	-8.22	1.379
30-37-S	40.21	40.21	1779.27	-5.53	1.371
30-38-S	40.21	40.21	1779.30	-5.47	1.386
30-39-S	40.21	40.21	1779.25	-5.57	1.403
30-40-S	40.21	40.21	1779.23	-5.60	1.420
30-41-S	40.21	40.21	1779.13	-5.79	1.441
30-42-S	40.21	40.21	1778.53	-6.86	1.466
30-43-S	40.21	40.21	1777.58	-8.58	1.449
30-44-S	40.21	40.21	1776.38	-10.74	1.429
30-45-S	40.21	40.21	1775.10	-13.05	1.407
30-46-S	40.21	40.21	1773.94	-15.14	1.390
30-47-S	40.21	40.21	1773.55	-15.84	1.389
30-48-S	40.21	40.21	1773.44	-16.02	1.392
30-49-S	40.21	40.21	1773.48	-15.95	1.395
30-50-S	40.21	40.21	1773.59	-15.65	1.409
30-51-S	32.17	32.17	1419.80	-12.25	1.251
30-52-S	32.17	32.17	1418.79	-12.41	1.440
30-53-S	24.13	24.13	1064.63	-9.44	1.274
30-54-S	16.08	16.08	710.51	-6.38	1.035
30-55-S	16.08	16.08	709.59	-6.36	1.327
30-56-S	24.13	8.04	1039.02	-9.07	2.832
30-57-S	16.08	8.04	698.02	-6.08	3.877
31-1-S	8.04	8.04	359.16	5.25	3.227
31-2-S	8.04	8.04	360.57	5.30	1.615
31-3-S	16.08	16.08	719.83	10.64	2.142
31-4-S	24.13	24.13	1079.18	16.49	2.480
31-5-S	32.17	32.17	1438.92	23.33	2.759
31-6-S	40.21	40.21	1799.03	30.99	2.987
31-7-S	40.21	40.21	1799.85	32.53	2.986
31-8-S	40.21	40.21	1800.69	34.09	2.982
31-9-S	40.21	40.21	1801.45	35.49	2.971
31-10-S	40.21	40.21	1802.17	36.83	2.957
31-11-S	40.21	40.21	1802.85	38.09	2.941
31-12-S	40.21	40.21	1803.49	39.27	2.925
31-13-S	40.21	40.21	1804.09	40.40	2.911
31-14-S	40.21	40.21	1796.91	27.06	2.875
31-15-S	40.21	40.21	1797.49	28.13	2.828

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
31-16-S	40.21	40.21	1797.91	28.91	2.786
31-17-S	40.21	40.21	1798.30	29.64	2.747
31-18-S	40.21	40.21	1798.15	29.36	2.767
31-19-S	40.21	40.21	1797.76	28.63	2.760
31-20-S	40.21	40.21	1797.19	27.59	2.709
31-21-S	40.21	40.21	1796.48	26.26	2.614
31-22-S	40.21	40.21	1795.41	24.28	2.420
31-23-S	40.21	40.21	1794.24	22.11	2.198
31-24-S	40.21	40.21	1793.22	20.20	2.006
31-25-S	40.21	40.21	1792.42	18.73	1.851
31-26-S	40.21	40.21	1791.94	17.84	1.734
31-27-S	40.21	40.21	1792.61	19.07	1.697
31-28-S	40.21	40.21	1784.84	4.63	1.668
31-29-S	40.21	40.21	1787.80	10.15	1.642
31-30-S	40.21	40.21	1790.69	15.51	1.619
31-31-S	40.21	40.21	1790.41	14.98	1.633
31-32-S	40.21	40.21	1788.37	11.20	1.671
31-33-S	40.21	40.21	1786.23	7.22	1.708
31-34-S	40.21	40.21	1784.11	3.28	1.738
31-35-S	40.21	40.21	1782.35	0.01	1.734
31-36-S	40.21	40.21	1780.66	-3.03	1.614
31-37-S	40.21	40.21	1778.86	-6.26	1.487
31-38-S	40.21	40.21	1777.25	-9.16	1.370
31-39-S	40.21	40.21	1775.92	-11.56	1.263
31-40-S	40.21	40.21	1775.95	-11.51	1.203
31-41-S	40.21	40.21	1778.23	-7.40	1.200
31-42-S	40.21	40.21	1780.50	-3.31	1.196
31-43-S	40.21	40.21	1782.68	0.64	1.190
31-44-S	40.21	40.21	1784.21	3.47	1.187
31-45-S	40.21	40.21	1783.55	2.25	1.240
31-46-S	40.21	40.21	1782.52	0.34	1.313
31-47-S	40.21	40.21	1781.20	-2.06	1.398
31-48-S	40.21	40.21	1779.71	-4.75	1.493
31-49-S	40.21	40.21	1778.06	-7.71	1.544
31-50-S	40.21	40.21	1776.39	-10.72	1.499
31-51-S	40.21	40.21	1774.75	-13.67	1.417
31-52-S	40.21	40.21	1773.24	-16.39	1.307
31-53-S	40.21	40.21	1772.17	-18.32	1.206
31-54-S	40.21	40.21	1772.45	-17.81	1.221
31-55-S	40.21	40.21	1772.78	-17.22	1.237
31-56-S	40.21	40.21	1773.45	-16.02	1.251
31-57-S	40.21	40.21	1774.43	-14.24	1.265
31-58-S	40.21	40.21	1774.28	-14.53	1.294
31-59-S	40.21	40.21	1774.25	-14.57	1.327
31-60-S	40.21	40.21	1774.45	-14.22	1.362
31-61-S	40.21	40.21	1774.85	-13.49	1.398
31-62-S	40.21	40.21	1775.17	-12.91	1.432
31-63-S	40.21	40.21	1775.05	-13.13	1.459
31-64-S	40.21	40.21	1774.85	-13.49	1.486
31-65-S	32.17	32.17	1420.17	-11.16	1.402
31-66-S	24.13	24.13	1065.32	-9.00	1.288
31-67-S	16.08	16.08	710.50	-6.50	1.132
31-68-S	16.08	8.04	703.39	-6.62	1.705
31-69-S	8.04	8.04	354.43	-3.43	1.744
32-1-S	16.08	16.08	715.93	7.59	5.215
32-2-S	16.08	16.08	717.69	8.11	2.584
32-3-S	24.13	24.13	1076.94	12.91	2.556
32-4-S	32.17	32.17	1436.32	18.18	2.574
32-5-S	40.21	40.21	1794.94	23.40	2.828
32-6-S	40.21	40.21	1795.06	23.63	2.797
32-7-S	40.21	40.21	1795.13	23.75	2.768
32-8-S	40.21	40.21	1795.20	23.89	2.746
32-9-S	40.21	40.21	1795.78	24.97	2.766
32-10-S	40.21	40.21	1796.35	26.02	2.787
32-11-S	40.21	40.21	1796.92	27.08	2.811
32-12-S	40.21	40.21	1797.50	28.16	2.836
32-13-S	40.21	40.21	1797.93	28.95	2.823
32-14-S	40.21	40.21	1798.12	29.30	2.758
32-15-S	40.21	40.21	1798.35	29.73	2.698
32-16-S	40.21	40.21	1798.65	30.30	2.647
32-17-S	40.21	40.21	1799.03	31.00	2.604
32-18-S	40.21	40.21	1799.55	31.96	2.582
32-19-S	40.21	40.21	1800.32	33.39	2.599
32-20-S	40.21	40.21	1801.19	35.00	2.630
32-21-S	40.21	40.21	1793.92	21.51	2.626
32-22-S	40.21	40.21	1794.10	21.84	2.564
32-23-S	40.21	40.21	1793.98	21.62	2.549
32-24-S	40.21	40.21	1793.63	20.97	2.570
32-25-S	40.21	40.21	1793.04	19.88	2.538
32-26-S	40.21	40.21	1792.01	17.95	2.348
32-27-S	40.21	40.21	1791.04	16.16	2.164
32-28-S	40.21	40.21	1790.17	14.55	1.994
32-29-S	40.21	40.21	1789.41	13.13	1.839
32-30-S	40.21	40.21	1788.78	11.97	1.699
32-31-S	40.21	40.21	1789.22	12.79	1.639
32-32-S	40.21	40.21	1789.82	13.90	1.591
32-33-S	40.21	40.21	1781.69	-1.17	1.537
32-34-S	40.21	40.21	1783.60	2.34	1.480
32-35-S	40.21	40.21	1785.43	5.74	1.430

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
32-36-S	40.21	40.21	1784.92	4.79	1.405
32-37-S	40.21	40.21	1784.15	3.36	1.380
32-38-S	40.21	40.21	1783.37	1.92	1.355
32-39-S	40.21	40.21	1782.63	0.53	1.331
32-40-S	40.21	40.21	1782.06	-0.51	1.278
32-41-S	40.21	40.21	1781.39	-1.71	1.207
32-42-S	40.21	40.21	1780.79	-2.78	1.144
32-43-S	40.21	40.21	1780.28	-3.70	1.086
32-44-S	40.21	40.21	1780.02	-4.17	1.039
32-45-S	40.21	40.21	1781.44	-1.63	1.031
32-46-S	40.21	40.21	1782.76	0.78	1.023
32-47-S	40.21	40.21	1784.07	3.21	1.016
32-48-S	40.21	40.21	1785.37	5.63	1.008
32-49-S	40.21	40.21	1786.37	7.49	1.008
32-50-S	40.21	40.21	1785.60	6.05	1.061
32-51-S	40.21	40.21	1784.66	4.31	1.118
32-52-S	40.21	40.21	1783.61	2.36	1.172
32-53-S	40.21	40.21	1782.48	0.26	1.224
32-54-S	40.21	40.21	1781.22	-2.01	1.266
32-55-S	40.21	40.21	1779.19	-5.67	1.194
32-56-S	40.21	40.21	1777.37	-8.95	1.099
32-57-S	40.21	40.21	1776.47	-10.57	1.047
32-58-S	40.21	40.21	1776.47	-10.58	1.035
32-59-S	40.21	40.21	1777.44	-8.83	1.047
32-60-S	40.21	40.21	1778.93	-6.14	1.063
32-61-S	40.21	40.21	1780.87	-2.65	1.081
32-62-S	40.21	40.21	1781.32	-1.83	1.118
32-63-S	40.21	40.21	1780.91	-2.57	1.169
32-64-S	40.21	40.21	1780.29	-3.69	1.236
32-65-S	40.21	40.21	1779.41	-5.29	1.321
32-66-S	40.21	40.21	1778.29	-7.30	1.428
32-67-S	40.21	40.21	1776.90	-9.80	1.476
32-68-S	40.21	40.21	1775.52	-12.29	1.475
32-69-S	40.21	40.21	1774.19	-14.68	1.477
32-70-S	40.21	40.21	1772.95	-16.92	1.483
32-71-S	40.21	40.21	1771.78	-19.02	1.491
32-72-S	40.21	40.21	1771.60	-19.34	1.513
32-73-S	40.21	40.21	1771.66	-19.24	1.539
32-74-S	40.21	40.21	1771.77	-19.05	1.567
32-75-S	32.17	32.17	1418.15	-15.12	1.440
32-76-S	24.13	24.13	1063.78	-11.19	1.451
32-77-S	16.08	16.08	709.23	-7.37	1.494
32-78-S	8.04	8.04	354.64	-3.64	1.538
33-1-S	16.08	16.08	714.94	5.35	4.531
33-2-S	16.08	16.08	717.05	5.46	2.210
33-3-S	32.17	32.17	1432.03	11.08	2.863
33-4-S	40.21	40.21	1789.93	14.10	2.878
33-5-S	40.21	40.21	1790.20	14.59	2.812
33-6-S	40.21	40.21	1790.40	14.98	2.747
33-7-S	40.21	40.21	1790.47	15.11	2.680
33-8-S	40.21	40.21	1790.82	15.75	2.641
33-9-S	40.21	40.21	1791.27	16.58	2.621
33-10-S	40.21	40.21	1791.62	17.23	2.602
33-11-S	40.21	40.21	1792.01	17.96	2.592
33-12-S	40.21	40.21	1792.75	19.33	2.612
33-13-S	40.21	40.21	1793.53	20.78	2.635
33-14-S	40.21	40.21	1794.27	22.16	2.656
33-15-S	40.21	40.21	1794.97	23.46	2.679
33-16-S	40.21	40.21	1795.53	24.50	2.693
33-17-S	40.21	40.21	1795.58	24.59	2.617
33-18-S	40.21	40.21	1795.58	24.59	2.536
33-19-S	40.21	40.21	1795.54	24.51	2.452
33-20-S	40.21	40.21	1795.48	24.41	2.371
33-21-S	40.21	40.21	1795.56	24.55	2.316
33-22-S	40.21	40.21	1796.03	25.43	2.318
33-23-S	40.21	40.21	1796.75	26.77	2.353
33-24-S	40.21	40.21	1797.66	28.45	2.408
33-25-S	40.21	40.21	1798.63	30.25	2.467
33-26-S	40.21	40.21	1782.34	0.00	2.441
33-27-S	40.21	40.21	1782.34	0.00	2.406
33-28-S	40.21	40.21	1788.65	11.71	2.284
33-29-S	40.21	40.21	1788.59	11.61	2.138
33-30-S	40.21	40.21	1788.49	11.43	2.012
33-31-S	40.21	40.21	1788.31	11.08	1.897
33-32-S	40.21	40.21	1788.04	10.59	1.792
33-33-S	40.21	40.21	1787.90	10.32	1.697
33-34-S	40.21	40.21	1788.06	10.63	1.612
33-35-S	40.21	40.21	1788.22	10.93	1.534
33-36-S	40.21	40.21	1788.43	11.31	1.465
33-37-S	40.21	40.21	2040.27	15.22	1.602
33-38-S	40.21	40.21	2028.17	-4.43	1.533
33-39-S	40.21	48.25	2033.16	-1.91	1.468
33-40-S	40.21	48.25	2033.22	-1.81	1.416
33-41-S	40.21	48.25	2033.34	-1.64	1.366
33-42-S	40.21	48.25	2033.80	-0.90	1.307
33-43-S	40.21	40.21	2030.95	-0.02	1.246
33-44-S	40.21	48.25	2034.86	0.79	1.193
33-45-S	40.21	48.25	2035.20	1.33	1.141
33-46-S	40.21	48.25	2035.22	1.37	1.093

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
33-47-S	40.21	48.25	2035.21	1.35	1.050
33-48-S	40.21	40.21	2032.79	2.99	1.035
33-49-S	40.21	40.21	2033.62	4.34	1.020
33-50-S	56.30	40.21	2484.37	6.02	1.225
33-51-S	56.30	40.21	2484.87	6.95	1.202
33-52-S	56.30	40.21	2485.19	7.55	1.178
33-53-S	56.30	40.21	2485.46	8.07	1.156
33-54-S	56.30	40.21	2485.06	7.32	1.161
33-55-S	56.30	40.21	2484.44	6.14	1.175
33-56-S	56.30	40.21	2483.97	5.27	1.189
33-57-S	56.30	40.21	2483.66	4.69	1.202
33-58-S	56.30	40.21	2483.47	4.32	1.217
33-59-S	56.30	40.21	2483.49	4.36	1.221
33-60-S	56.30	40.21	2483.99	5.30	1.230
33-61-S	56.30	40.21	2484.52	6.30	1.239
33-62-S	56.30	40.21	2485.05	7.30	1.247
33-63-S	56.30	40.21	2485.63	8.38	1.257
33-64-S	56.30	40.21	2486.54	10.10	1.289
33-65-S	56.30	40.21	2487.77	12.41	1.352
33-66-S	40.21	40.21	1786.92	8.51	1.055
33-67-S	40.21	40.21	1786.03	6.84	1.162
33-68-S	40.21	40.21	1784.92	4.78	1.291
33-69-S	40.21	40.21	1783.65	2.43	1.437
33-70-S	40.21	40.21	1782.03	-0.55	1.599
33-71-S	40.21	40.21	1779.89	-4.41	1.596
33-72-S	40.21	40.21	1777.69	-8.39	1.560
33-73-S	40.21	40.21	1775.51	-12.31	1.520
33-74-S	40.21	40.21	1773.48	-15.97	1.473
33-75-S	40.21	40.21	1771.69	-19.19	1.435
33-76-S	40.21	40.21	1771.38	-19.74	1.445
33-77-S	40.21	40.21	1771.52	-19.49	1.472
33-78-S	40.21	40.21	1771.65	-19.26	1.504
33-79-S	40.21	40.21	1771.87	-18.86	1.556
33-80-S	40.21	40.21	1772.25	-18.18	1.637
33-81-S	40.21	40.21	1772.58	-17.58	1.717
33-82-S	40.21	40.21	1772.87	-17.07	1.797
33-83-S	32.17	32.17	1418.50	-13.63	1.827
33-84-S	16.08	16.08	710.29	-6.89	1.444
33-85-S	8.04	8.04	355.12	-3.48	1.522
34-1-S	24.13	24.13	1071.26	6.54	5.997
34-2-S	24.13	24.13	1073.56	6.65	2.926
34-3-S	40.21	40.21	1788.24	11.16	3.238
34-4-S	40.21	40.21	1788.10	10.69	3.101
34-5-S	40.21	40.21	1787.81	10.15	3.008
34-6-S	40.21	40.21	1787.53	9.64	2.917
34-7-S	40.21	40.21	1787.32	9.24	2.823
34-8-S	40.21	40.21	1787.18	9.00	2.728
34-9-S	40.21	40.21	1787.07	8.78	2.640
34-10-S	40.21	40.21	1786.98	8.61	2.562
34-11-S	40.21	40.21	1787.54	9.65	2.513
34-12-S	40.21	40.21	1788.25	10.98	2.464
34-13-S	40.21	40.21	1788.89	12.16	2.399
34-14-S	40.21	40.21	1789.48	13.25	2.333
34-15-S	40.21	40.21	1790.15	14.50	2.312
34-16-S	40.21	40.21	1790.87	15.84	2.310
34-17-S	40.21	40.21	1791.55	17.10	2.307
34-18-S	40.21	40.21	1791.96	17.87	2.285
34-19-S	40.21	40.21	1792.14	18.20	2.246
34-20-S	40.21	40.21	1792.28	18.46	2.203
34-21-S	40.21	40.21	1792.38	18.65	2.153
34-22-S	40.21	40.21	1792.43	18.75	2.091
34-23-S	40.21	40.21	1792.73	19.30	2.078
34-24-S	40.21	40.21	1793.15	20.08	2.087
34-25-S	40.21	40.21	1793.58	20.87	2.096
34-26-S	40.21	40.21	1794.00	21.65	2.103
34-27-S	40.21	40.21	1794.43	22.45	2.110
34-28-S	40.21	40.21	2030.96	0.00	2.397
34-29-S	40.21	48.25	2034.37	0.00	2.349
34-30-S	40.21	48.25	2283.40	0.00	2.561
34-31-S	40.21	56.30	2286.36	0.00	2.488
34-32-S	40.21	56.30	2535.71	0.00	2.681
34-33-S	40.21	56.30	2535.71	0.00	2.607
34-34-S	40.21	56.30	2785.05	0.00	2.788
34-35-S	40.21	56.30	2785.05	0.00	2.717
34-36-S	40.21	56.30	3060.25	28.35	2.789
34-37-S	40.21	48.25	3057.23	29.43	2.620
34-38-S	40.21	56.30	3062.09	30.36	2.482
34-39-S	40.21	48.25	3058.68	31.02	2.357
34-40-S	40.21	48.25	3059.17	31.57	2.251
34-41-S	40.21	48.25	3059.56	31.99	2.144
34-42-S	40.21	40.21	3054.86	32.29	2.028
34-43-S	40.21	40.21	3055.13	32.58	1.921
34-44-S	40.21	40.21	3022.95	-2.96	1.804
34-45-S	40.21	40.21	3024.42	-1.39	1.714
34-46-S	40.21	40.21	3025.97	0.28	1.645
34-47-S	40.21	40.21	3027.27	1.72	1.572
34-48-S	40.21	40.21	3028.33	2.89	1.497
34-49-S	40.21	40.21	3029.15	3.80	1.421
34-50-S	40.21	40.21	3029.85	4.57	1.350

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
34-51-S	40.21	48.25	3035.36	5.34	1.298
34-52-S	40.21	48.25	3036.14	6.20	1.269
34-53-S	40.21	48.25	3036.94	7.08	1.247
34-54-S	40.21	56.30	3041.63	7.94	1.228
34-55-S	40.21	48.25	3038.44	8.73	1.206
34-56-S	40.21	56.30	3043.02	9.46	1.185
34-57-S	40.21	56.30	2792.16	8.48	1.068
34-58-S	40.21	56.30	2792.97	9.44	1.065
34-59-S	56.30	56.30	3545.12	12.51	1.366
34-60-S	56.30	56.30	3546.30	14.07	1.380
34-61-S	56.30	56.30	3196.51	12.58	1.256
34-62-S	56.30	48.25	3074.75	13.17	1.220
34-63-S	56.30	48.25	2783.57	11.36	1.114
34-64-S	56.30	40.21	2777.29	12.47	1.124
34-65-S	56.30	40.21	2487.16	11.26	1.034
34-66-S	56.30	40.21	2488.36	13.52	1.080
34-67-S	56.30	40.21	2489.70	16.04	1.131
34-68-S	56.30	40.21	2491.14	18.74	1.187
34-69-S	56.30	40.21	2492.71	21.70	1.248
34-70-S	56.30	40.21	2493.72	23.60	1.329
34-71-S	40.21	40.21	1791.33	16.70	1.034
34-72-S	40.21	40.21	1790.74	15.60	1.110
34-73-S	40.21	40.21	1789.78	13.81	1.185
34-74-S	40.21	40.21	1788.46	11.36	1.262
34-75-S	40.21	40.21	1786.55	7.81	1.301
34-76-S	40.21	40.21	1784.13	3.33	1.292
34-77-S	40.21	40.21	1781.68	-1.19	1.277
34-78-S	40.21	40.21	1779.59	-4.95	1.288
34-79-S	40.21	40.21	1778.32	-7.24	1.357
34-80-S	40.21	40.21	1777.46	-8.79	1.436
34-81-S	40.21	40.21	1776.81	-9.96	1.506
34-82-S	40.21	40.21	1776.49	-10.55	1.582
34-83-S	40.21	40.21	1776.56	-10.41	1.688
34-84-S	40.21	40.21	1775.83	-11.72	1.809
34-85-S	40.21	40.21	1774.27	-14.53	1.932
34-86-S	40.21	40.21	1773.14	-16.58	2.041
34-87-S	40.21	40.21	1772.76	-17.26	2.134
34-88-S	40.21	40.21	1772.49	-17.74	2.228
34-89-S	40.21	40.21	1772.13	-18.19	2.349
34-90-S	24.13	24.13	1063.67	-11.37	2.167
34-91-S	8.04	8.04	355.31	-3.97	1.521
35-1-S	32.17	32.17	1426.27	5.03	7.011
35-2-S	32.17	32.17	1429.37	6.17	3.408
35-3-S	40.21	40.21	1786.67	8.03	3.381
35-4-S	40.21	40.21	1786.51	7.75	3.280
35-5-S	40.21	40.21	1786.33	7.41	3.193
35-6-S	40.21	40.21	1786.16	7.09	3.111
35-7-S	40.21	40.21	1786.13	7.05	3.038
35-8-S	40.21	40.21	1786.38	7.50	2.978
35-9-S	40.21	40.21	1786.60	7.91	2.912
35-10-S	40.21	40.21	1786.68	8.07	2.837
35-11-S	40.21	40.21	1786.65	8.01	2.753
35-12-S	40.21	40.21	1786.69	8.09	2.666
35-13-S	40.21	40.21	1787.16	8.95	2.542
35-14-S	40.21	40.21	1787.63	9.82	2.420
35-15-S	40.21	40.21	1788.00	10.51	2.299
35-16-S	40.21	40.21	1788.35	11.16	2.190
35-17-S	40.21	40.21	1788.63	11.68	2.085
35-18-S	40.21	40.21	1788.82	12.03	1.988
35-19-S	40.21	40.21	1789.01	12.40	1.932
35-20-S	40.21	40.21	1789.21	12.76	1.892
35-21-S	40.21	40.21	1789.40	13.10	1.851
35-22-S	40.21	40.21	1789.57	13.42	1.810
35-23-S	40.21	40.21	1789.73	13.72	1.770
35-24-S	40.21	40.21	1789.87	13.99	1.732
35-25-S	40.21	48.25	2045.73	18.45	1.947
35-26-S	40.21	48.25	2300.09	24.24	2.206
35-27-S	40.21	56.30	2559.53	31.10	2.475
35-28-S	40.21	64.34	2563.26	32.40	2.501
35-29-S	40.21	72.38	2824.77	40.74	2.781
35-30-S	40.21	72.38	3086.50	50.40	3.069
35-31-S	40.21	64.34	3037.53	0.00	3.127
35-32-S	40.21	56.30	3034.38	0.00	3.027
35-33-S	40.21	48.25	3030.51	0.00	2.933
35-34-S	40.21	40.21	3025.72	0.00	2.846
35-35-S	40.21	40.21	3025.72	0.00	2.770
35-36-S	40.21	40.21	3025.72	0.00	2.701
35-37-S	40.21	40.21	3025.72	0.00	2.638
35-38-S	40.21	40.21	3025.72	0.00	2.588
35-39-S	40.21	40.21	3025.72	0.00	2.547
35-40-S	40.21	40.21	3047.63	24.28	2.447
35-41-S	40.21	40.21	3048.53	25.27	2.284
35-42-S	40.21	40.21	3049.23	26.05	2.136
35-43-S	40.21	40.21	3049.81	26.68	2.005
35-44-S	40.21	40.21	3050.38	27.32	1.897
35-45-S	40.21	40.21	3050.93	27.93	1.803
35-46-S	40.21	40.21	3051.47	28.52	1.713
35-47-S	40.21	40.21	3051.97	29.08	1.627
35-48-S	40.21	40.21	3025.41	-0.33	1.499

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
35-49-S	40.21	40.21	3026.51	0.87	1.395
35-50-S	40.21	40.21	3027.28	1.72	1.325
35-51-S	40.21	40.21	3027.97	2.49	1.263
35-52-S	40.21	40.21	3028.59	3.18	1.206
35-53-S	40.21	40.21	3029.22	3.87	1.153
35-54-S	40.21	40.21	3029.85	4.57	1.102
35-55-S	40.21	40.21	3030.51	5.31	1.058
35-56-S	40.21	40.21	3031.18	6.05	1.036
35-57-S	40.21	40.21	3031.76	6.68	1.017
35-58-S	56.30	40.21	4223.62	10.11	1.392
35-59-S	56.30	40.21	4224.31	10.88	1.368
35-60-S	56.30	40.21	4224.97	11.62	1.344
35-61-S	56.30	40.21	4225.69	12.42	1.324
35-62-S	56.30	40.21	4227.11	14.01	1.333
35-63-S	56.30	40.21	4228.84	15.95	1.345
35-64-S	56.30	48.25	4240.11	18.27	1.362
35-65-S	56.30	56.30	4250.04	20.83	1.379
35-66-S	56.30	64.34	4258.75	23.45	1.398
35-67-S	56.30	72.38	4266.42	26.03	1.448
35-68-S	56.30	72.38	3914.39	24.24	1.375
35-69-S	56.30	64.34	3558.00	22.29	1.295
35-70-S	56.30	56.30	3554.45	24.80	1.341
35-71-S	56.30	48.25	3197.23	22.61	1.253
35-72-S	56.30	48.25	2847.08	20.41	1.160
35-73-S	56.30	40.21	2490.28	17.13	1.068
35-74-S	56.30	40.21	2490.80	18.11	1.128
35-75-S	56.30	40.21	2491.45	19.33	1.196
35-76-S	56.30	40.21	2492.17	20.68	1.270
35-77-S	56.30	40.21	2492.74	21.75	1.349
35-78-S	40.21	40.21	1791.07	16.21	1.028
35-79-S	40.21	40.21	1791.18	16.41	1.089
35-80-S	40.21	40.21	1791.23	16.52	1.183
35-81-S	40.21	40.21	1790.48	15.11	1.299
35-82-S	40.21	40.21	1789.57	13.43	1.429
35-83-S	40.21	40.21	1788.32	11.11	1.587
35-84-S	40.21	40.21	1786.83	8.34	1.763
35-85-S	40.21	40.21	1784.98	4.91	1.956
35-86-S	40.21	40.21	1783.04	1.29	2.081
35-87-S	40.21	40.21	1780.84	-2.70	2.200
35-88-S	40.21	40.21	1778.10	-7.64	2.288
35-89-S	40.21	40.21	1774.92	-13.37	2.341
35-90-S	40.21	40.21	1772.19	-18.29	2.359
35-91-S	40.21	40.21	1771.15	-20.17	2.416
35-92-S	40.21	40.21	1770.91	-20.59	2.496
35-93-S	40.21	40.21	1770.66	-21.05	2.583
35-94-S	40.21	40.21	1770.49	-21.35	2.689
35-95-S	32.17	32.17	1416.52	-17.16	2.760
35-96-S	16.08	16.08	708.41	-8.38	2.925
36-1-S	32.17	32.17	1424.31	0.67	6.203
36-2-S	32.17	32.17	1427.63	1.01	3.259
36-3-S	40.21	40.21	1783.12	1.45	3.721
36-4-S	40.21	40.21	1783.24	1.68	3.572
36-5-S	40.21	40.21	1783.35	1.88	3.435
36-6-S	40.21	40.21	1783.46	2.07	3.309
36-7-S	40.21	40.21	1783.66	2.45	3.176
36-8-S	40.21	40.21	1784.02	3.11	3.042
36-9-S	40.21	40.21	1784.49	3.99	2.954
36-10-S	40.21	40.21	1784.91	4.78	2.902
36-11-S	40.21	40.21	1785.33	5.55	2.857
36-12-S	40.21	40.21	1785.73	6.30	2.816
36-13-S	40.21	40.21	1786.11	7.01	2.759
36-14-S	40.21	40.21	1786.38	7.50	2.619
36-15-S	40.21	40.21	1786.66	8.03	2.468
36-16-S	40.21	40.21	1786.89	8.45	2.323
36-17-S	40.21	40.21	1787.10	8.84	2.190
36-18-S	40.21	40.21	1787.23	9.08	2.061
36-19-S	40.21	40.21	1787.22	9.07	1.931
36-20-S	40.21	40.21	1787.14	8.91	1.807
36-21-S	40.21	40.21	1787.05	8.75	1.694
36-22-S	40.21	40.21	1787.14	8.92	1.630
36-23-S	40.21	40.21	2038.23	11.89	1.820
36-24-S	40.21	56.30	2296.99	15.35	2.002
36-25-S	40.21	64.34	2553.12	19.23	2.166
36-26-S	40.21	72.38	2810.20	23.53	2.315
36-27-S	40.21	80.42	3068.31	28.24	2.449
36-28-S	40.21	72.38	3067.13	29.36	2.438
36-29-S	40.21	56.30	3062.84	31.18	2.465
36-30-S	40.21	48.25	3060.45	32.97	2.493
36-31-S	40.21	40.21	3057.04	34.70	2.519
36-32-S	40.21	40.21	3058.54	36.36	2.547
36-33-S	40.21	40.21	3060.59	38.63	2.608
36-34-S	40.21	40.21	3063.75	42.13	2.731
36-35-S	40.21	40.21	3025.72	0.00	2.684
36-36-S	40.21	40.21	3025.72	0.00	2.611
36-37-S	40.21	40.21	3025.72	0.00	2.542
36-38-S	40.21	40.21	3025.72	0.00	2.476
36-39-S	40.21	40.21	3025.72	0.00	2.420
36-40-S	40.21	40.21	3025.72	0.00	2.372
36-41-S	40.21	40.21	3025.72	0.00	2.329

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
36-42-S	40.21	40.21	3025.72	0.00	2.294
36-43-S	40.21	40.21	3025.72	0.00	2.264
36-44-S	40.21	40.21	3041.08	17.01	2.119
36-45-S	40.21	40.21	3042.38	18.46	1.969
36-46-S	40.21	40.21	3043.68	19.89	1.825
36-47-S	40.21	40.21	3044.92	21.27	1.693
36-48-S	40.21	40.21	3045.93	22.39	1.589
36-49-S	40.21	40.21	3046.76	23.30	1.506
36-50-S	40.21	40.21	3024.14	-1.69	1.412
36-51-S	40.21	40.21	3025.68	-0.05	1.296
36-52-S	40.21	40.21	3027.04	1.46	1.192
36-53-S	40.21	40.21	3028.17	2.71	1.117
36-54-S	40.21	40.21	3029.16	3.81	1.058
36-55-S	40.21	40.21	3030.08	4.82	1.005
36-56-S	56.30	40.21	4221.68	7.94	1.333
36-57-S	56.30	40.21	4222.63	9.00	1.274
36-58-S	56.30	40.21	4223.47	9.93	1.235
36-59-S	56.30	40.21	4224.24	10.81	1.211
36-60-S	56.30	40.21	4225.03	11.68	1.186
36-61-S	56.30	40.21	4225.79	12.54	1.163
36-62-S	56.30	40.21	4226.50	13.33	1.142
36-63-S	56.30	40.21	4227.20	14.12	1.124
36-64-S	56.30	40.21	4228.00	15.01	1.127
36-65-S	56.30	40.21	4228.82	15.93	1.132
36-66-S	56.30	40.21	4229.67	16.88	1.137
36-67-S	56.30	40.21	4230.53	17.84	1.141
36-68-S	56.30	40.21	4231.57	19.01	1.147
36-69-S	56.30	40.21	4232.90	20.50	1.177
36-70-S	56.30	40.21	4234.66	22.47	1.214
36-71-S	56.30	40.21	4236.81	24.88	1.251
36-72-S	56.30	48.25	4248.59	27.70	1.293
36-73-S	56.30	56.30	4259.00	30.73	1.338
36-74-S	56.30	72.38	4273.71	34.01	1.387
36-75-S	56.30	80.42	4281.99	38.13	1.461
36-76-S	56.30	72.38	3924.56	36.33	1.422
36-77-S	56.30	64.34	3566.75	33.74	1.373
36-78-S	56.30	56.30	3208.76	30.43	1.313
36-79-S	56.30	40.21	2843.62	26.41	1.236
36-80-S	56.30	40.21	2492.88	22.03	1.151
36-81-S	56.30	40.21	2494.53	25.13	1.253
36-82-S	40.21	40.21	1794.19	22.00	1.016
36-83-S	40.21	40.21	1796.83	26.90	1.157
36-84-S	40.21	40.21	1798.98	30.91	1.318
36-85-S	40.21	40.21	1799.59	32.04	1.491
36-86-S	40.21	40.21	1799.10	31.12	1.690
36-87-S	40.21	40.21	1798.00	29.09	1.922
36-88-S	40.21	40.21	1796.11	25.57	2.178
36-89-S	40.21	40.21	1793.16	20.09	2.411
36-90-S	40.21	40.21	1789.34	13.01	2.437
36-91-S	40.21	40.21	1785.62	6.09	2.423
36-92-S	40.21	40.21	1781.93	-0.73	2.417
36-93-S	40.21	40.21	1778.19	-7.48	2.420
36-94-S	40.21	40.21	1774.78	-13.63	2.472
36-95-S	40.21	40.21	1772.77	-17.23	2.601
36-96-S	40.21	40.21	1772.30	-18.08	2.747
36-97-S	40.21	40.21	1772.61	-17.53	2.896
36-98-S	40.21	40.21	1772.95	-16.92	3.064
36-99-S	40.21	40.21	1773.33	-16.24	3.251
36-100-S	32.17	32.17	1420.02	-12.72	2.906
36-101-S	16.08	16.08	710.57	-6.02	2.875
37-1-S	40.21	40.21	1779.94	0.38	7.548
37-2-S	40.21	40.21	1782.24	-0.18	4.395
37-3-S	40.21	40.21	1781.71	-1.14	4.234
37-4-S	40.21	40.21	1781.21	-2.03	4.086
37-5-S	40.21	40.21	1780.75	-2.86	3.948
37-6-S	40.21	40.21	1780.50	-3.31	3.810
37-7-S	40.21	40.21	1780.72	-2.92	3.648
37-8-S	40.21	40.21	1781.46	-1.59	3.436
37-9-S	40.21	40.21	1782.24	-0.19	3.231
37-10-S	40.21	40.21	1782.91	1.06	3.047
37-11-S	40.21	40.21	1783.51	2.17	2.883
37-12-S	40.21	40.21	1784.04	3.15	2.743
37-13-S	40.21	40.21	1784.51	4.02	2.631
37-14-S	40.21	40.21	1784.81	4.59	2.504
37-15-S	40.21	40.21	1785.08	5.09	2.364
37-16-S	40.21	40.21	1785.35	5.58	2.242
37-17-S	40.21	40.21	1785.58	6.01	2.130
37-18-S	40.21	40.21	1785.78	6.39	2.025
37-19-S	40.21	40.21	1785.94	6.69	1.925
37-20-S	40.21	40.21	1785.95	6.70	1.809
37-21-S	40.21	40.21	1785.94	6.68	1.700
37-22-S	40.21	48.25	2039.60	8.49	1.828
37-23-S	40.21	64.34	2548.07	12.65	2.156
37-24-S	40.21	72.38	3056.27	17.56	2.452
37-25-S	40.21	80.42	3058.20	17.29	2.353
37-26-S	40.21	72.38	3056.25	17.53	2.279
37-27-S	40.21	56.30	3050.65	17.82	2.210
37-28-S	40.21	48.25	3046.95	18.10	2.150
37-29-S	40.21	40.21	3042.31	18.38	2.105

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
37-30-S	40.21	40.21	3042.81	18.93	2.090
37-31-S	40.21	40.21	3043.51	19.70	2.088
37-32-S	40.21	40.21	3044.41	20.70	2.098
37-33-S	40.21	40.21	3045.54	21.95	2.119
37-34-S	40.21	40.21	3047.18	23.77	2.176
37-35-S	40.21	40.21	3049.10	25.90	2.251
37-36-S	40.21	40.21	3051.11	28.13	2.329
37-37-S	40.21	40.21	3053.16	30.40	2.404
37-38-S	40.21	40.21	3025.72	0.00	2.367
37-39-S	40.21	40.21	3025.72	0.00	2.308
37-40-S	40.21	40.21	3025.72	0.00	2.260
37-41-S	40.21	40.21	3025.72	0.00	2.216
37-42-S	40.21	40.21	3025.72	0.00	2.176
37-43-S	40.21	40.21	3025.72	0.00	2.138
37-44-S	40.21	40.21	3025.72	0.00	2.102
37-45-S	40.21	40.21	3025.72	0.00	2.074
37-46-S	40.21	40.21	3033.63	8.76	2.018
37-47-S	40.21	40.21	3036.12	11.52	1.838
37-48-S	40.21	40.21	3038.13	13.75	1.692
37-49-S	40.21	40.21	3039.92	15.73	1.566
37-50-S	40.21	40.21	3041.74	17.74	1.447
37-51-S	40.21	40.21	3043.42	19.61	1.343
37-52-S	40.21	40.21	3024.92	-0.86	1.216
37-53-S	40.21	40.21	3026.74	1.12	1.108
37-54-S	40.21	40.21	3028.39	2.96	1.017
37-55-S	48.25	40.21	3626.55	5.50	1.131
37-56-S	48.25	40.21	3627.92	7.03	1.065
37-57-S	48.25	40.21	3629.10	8.34	1.011
37-58-S	64.34	40.21	4816.18	12.92	1.274
37-59-S	64.34	40.21	4817.93	14.89	1.210
37-60-S	64.34	40.21	4819.23	16.36	1.169
37-61-S	64.34	40.21	4820.12	17.36	1.144
37-62-S	64.34	40.21	4820.99	18.33	1.120
37-63-S	64.34	40.21	4821.86	19.31	1.097
37-64-S	64.34	40.21	4822.76	20.32	1.077
37-65-S	64.34	40.21	4823.68	21.35	1.079
37-66-S	64.34	40.21	4824.60	22.40	1.081
37-67-S	64.34	40.21	4825.55	23.46	1.083
37-68-S	64.34	40.21	4826.49	24.52	1.085
37-69-S	64.34	40.21	4827.48	25.64	1.098
37-70-S	64.34	40.21	4828.64	26.93	1.129
37-71-S	64.34	40.21	4829.86	28.31	1.163
37-72-S	64.34	40.21	4831.15	29.76	1.198
37-73-S	64.34	40.21	4832.59	31.38	1.236
37-74-S	64.34	40.21	4834.39	33.40	1.274
37-75-S	64.34	40.21	4836.54	35.82	1.321
37-76-S	48.25	40.21	3648.10	29.50	1.046
37-77-S	48.25	48.25	3657.90	32.63	1.104
37-78-S	48.25	56.30	3666.83	36.15	1.170
37-79-S	48.25	72.38	3679.16	40.13	1.244
37-80-S	48.25	80.42	3686.49	44.51	1.326
37-81-S	48.25	72.38	3687.97	49.73	1.423
37-82-S	48.25	64.34	3071.67	40.56	1.311
37-83-S	48.25	48.25	2454.49	31.04	1.170
37-84-S	48.25	40.21	2148.12	28.68	1.152
37-85-S	40.21	40.21	1797.96	29.02	1.100
37-86-S	40.21	40.21	1801.41	35.42	1.280
37-87-S	40.21	40.21	1802.15	36.80	1.437
37-88-S	40.21	40.21	1802.15	36.80	1.605
37-89-S	40.21	40.21	1801.71	35.97	1.782
37-90-S	40.21	40.21	1800.38	33.50	1.954
37-91-S	40.21	40.21	1799.05	31.04	2.145
37-92-S	40.21	40.21	1797.51	28.18	2.301
37-93-S	40.21	40.21	1795.07	23.65	2.421
37-94-S	40.21	40.21	1793.48	20.70	2.580
37-95-S	40.21	40.21	1792.04	18.02	2.776
37-96-S	40.21	40.21	1790.35	14.88	3.003
37-97-S	40.21	40.21	1788.35	11.17	3.266
37-98-S	40.21	40.21	1785.89	6.59	3.545
37-99-S	40.21	40.21	1783.37	1.92	3.754
37-100-S	40.21	40.21	1780.75	-2.86	3.944
37-101-S	40.21	40.21	1781.21	-2.03	4.081
37-102-S	40.21	40.21	1781.71	-1.14	4.230
37-103-S	40.21	40.21	1782.24	-0.18	4.390
37-104-S	24.13	24.13	1069.63	0.23	4.530
38-1-S	40.21	40.21	1780.30	0.05	7.549
38-2-S	40.21	40.21	1782.03	-0.56	5.119
38-3-S	40.21	40.21	1781.58	-1.36	4.946
38-4-S	40.21	40.21	1781.16	-2.13	4.783
38-5-S	40.21	40.21	1780.73	-2.91	4.624
38-6-S	40.21	40.21	1780.40	-3.50	4.494
38-7-S	40.21	40.21	1780.45	-3.40	4.339
38-8-S	40.21	40.21	1780.67	-3.01	4.143
38-9-S	40.21	40.21	1780.86	-2.66	3.964
38-10-S	40.21	40.21	1781.12	-2.20	3.793
38-11-S	40.21	40.21	1781.85	-0.88	3.506
38-12-S	40.21	40.21	1782.67	0.61	3.191
38-13-S	40.21	40.21	1783.40	1.96	2.923
38-14-S	40.21	40.21	1784.05	3.18	2.704



Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
38-15-S	40.21	40.21	1784.43	3.89	2.507
38-16-S	40.21	40.21	1784.60	4.19	2.327
38-17-S	40.21	40.21	1784.73	4.44	2.166
38-18-S	40.21	40.21	1784.85	4.67	2.025
38-19-S	40.21	40.21	1784.96	4.86	1.903
38-20-S	40.21	40.21	1785.07	5.06	1.799
38-21-S	40.21	48.25	2289.08	8.25	2.183
38-22-S	40.21	64.34	2797.94	11.86	2.510
38-23-S	40.21	80.42	3054.71	13.51	2.592
38-24-S	40.21	80.42	3054.02	12.76	2.456
38-25-S	40.21	72.38	3051.22	12.07	2.331
38-26-S	40.21	56.30	3044.80	11.42	2.215
38-27-S	40.21	40.21	3035.48	10.81	2.107
38-28-S	40.21	40.21	3035.16	10.46	2.021
38-29-S	40.21	40.21	3035.13	10.42	1.967
38-30-S	40.21	40.21	3035.33	10.64	1.936
38-31-S	40.21	40.21	3035.59	10.93	1.910
38-32-S	40.21	40.21	3035.84	11.21	1.885
38-33-S	40.21	40.21	3036.04	11.43	1.857
38-34-S	40.21	40.21	3036.10	11.50	1.821
38-35-S	40.21	40.21	3036.37	11.79	1.799
38-36-S	40.21	40.21	3037.34	12.87	1.825
38-37-S	40.21	40.21	3038.41	14.06	1.858
38-38-S	40.21	40.21	3039.51	15.28	1.890
38-39-S	40.21	40.21	3040.63	16.52	1.923
38-40-S	40.21	40.21	3043.38	19.56	2.050
38-41-S	40.21	40.21	3025.72	0.00	2.139
38-42-S	40.21	40.21	3025.72	0.00	2.091
38-43-S	40.21	40.21	3025.72	0.00	2.049
38-44-S	40.21	40.21	3025.72	0.00	2.012
38-45-S	40.21	40.21	3025.72	0.00	1.977
38-46-S	40.21	40.21	3025.72	0.00	1.947
38-47-S	40.21	40.21	3492.23	0.00	2.223
38-48-S	40.21	48.25	3497.54	0.00	2.203
38-49-S	40.21	48.25	3988.90	20.53	2.335
38-50-S	40.21	56.30	4001.40	26.91	2.074
38-51-S	40.21	56.30	4007.26	31.86	1.865
38-52-S	40.21	48.25	4485.14	40.46	1.903
38-53-S	40.21	48.25	4425.85	-4.39	1.723
38-54-S	40.21	40.21	4425.73	0.06	1.531
38-55-S	40.21	48.25	4436.87	3.81	1.390
38-56-S	40.21	48.25	4440.60	6.63	1.271
38-57-S	40.21	56.30	3978.50	7.61	1.049
38-58-S	56.30	56.30	5552.70	14.34	1.359
38-59-S	56.30	48.25	5547.72	17.81	1.274
38-60-S	56.30	48.25	4892.40	16.66	1.068
38-61-S	56.30	40.21	4884.86	19.02	1.016
38-62-S	72.38	40.21	5409.97	20.38	1.076
38-63-S	72.38	40.21	5412.42	23.16	1.050
38-64-S	72.38	40.21	5414.93	25.99	1.030
38-65-S	72.38	40.21	5416.95	28.27	1.011
38-66-S	72.38	40.21	5418.74	30.30	1.007
38-67-S	72.38	40.21	5420.11	31.85	1.013
38-68-S	72.38	40.21	5421.17	33.05	1.017
38-69-S	72.38	40.21	5422.18	34.20	1.028
38-70-S	72.38	40.21	5423.23	35.38	1.049
38-71-S	72.38	40.21	5424.33	36.63	1.069
38-72-S	72.38	40.21	5425.53	37.98	1.093
38-73-S	72.38	40.21	5426.84	39.46	1.121
38-74-S	72.38	40.21	5428.21	41.02	1.160
38-75-S	72.38	40.21	5429.67	42.67	1.210
38-76-S	72.38	40.21	5431.26	44.46	1.273
38-77-S	56.30	40.21	4247.01	36.29	1.050
38-78-S	56.30	40.21	4248.21	37.63	1.103
38-79-S	56.30	40.21	4249.40	38.97	1.159
38-80-S	56.30	40.21	4251.10	40.86	1.221
38-81-S	56.30	40.21	4253.36	43.39	1.296
38-82-S	56.30	56.30	4274.05	47.36	1.396
38-83-S	40.21	72.38	3076.26	39.27	1.099
38-84-S	40.21	80.42	3084.43	45.69	1.215
38-85-S	40.21	80.42	3091.71	53.57	1.358
38-86-S	40.21	64.34	2832.97	53.41	1.404
38-87-S	40.21	48.25	2313.04	43.03	1.306
38-88-S	40.21	40.21	1798.00	29.08	1.136
38-89-S	40.21	40.21	1799.67	32.19	1.283
38-90-S	40.21	40.21	1802.35	37.17	1.482
38-91-S	40.21	40.21	1806.28	44.47	1.762
38-92-S	40.21	40.21	1811.53	54.20	2.118
38-93-S	40.21	40.21	1815.83	62.20	2.397
38-94-S	40.21	40.21	1818.30	66.78	2.698
38-95-S	40.21	40.21	1783.39	1.94	2.916
38-96-S	40.21	40.21	1782.66	0.59	3.183
38-97-S	40.21	40.21	1781.84	-0.90	3.497
38-98-S	40.21	40.21	1781.11	-2.21	3.784
38-99-S	40.21	40.21	1780.86	-2.67	3.955
38-100-S	40.21	40.21	1780.66	-3.02	4.134
38-101-S	40.21	40.21	1780.45	-3.41	4.331
38-102-S	40.21	40.21	1780.40	-3.50	4.486
38-103-S	40.21	40.21	1780.73	-2.91	4.616

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
38-104-S	40.21	40.21	1781.16	-2.13	4.776
38-105-S	40.21	40.21	1781.58	-1.36	4.938
38-106-S	40.21	40.21	1782.03	-0.56	5.112
38-107-S	24.13	24.13	1070.32	0.03	4.532
39-1-S	40.21	40.21	1780.97	-2.36	6.478
39-2-S	40.21	40.21	1780.77	-2.82	6.063
39-3-S	40.21	40.21	1780.47	-3.37	5.765
39-4-S	40.21	40.21	1780.14	-3.96	5.515
39-5-S	40.21	40.21	1779.79	-4.60	5.304
39-6-S	40.21	40.21	1779.63	-4.88	5.174
39-7-S	40.21	40.21	1779.93	-4.35	5.162
39-8-S	40.21	40.21	1780.24	-3.79	5.166
39-9-S	40.21	40.21	1780.54	-3.25	5.176
39-10-S	40.21	40.21	1780.82	-2.74	5.144
39-11-S	40.21	40.21	1781.25	-1.97	4.948
39-12-S	40.21	40.21	1782.23	-0.20	4.356
39-13-S	40.21	40.21	1783.03	1.28	3.773
39-14-S	40.21	40.21	1783.62	2.37	3.291
39-15-S	40.21	40.21	1784.02	3.12	2.894
39-16-S	40.21	40.21	1784.03	3.14	2.604
39-17-S	40.21	40.21	1783.99	3.07	2.381
39-18-S	40.21	40.21	1784.01	3.09	2.206
39-19-S	40.21	40.21	1784.06	3.20	2.063
39-20-S	40.21	40.21	2033.46	4.08	2.204
39-21-S	40.21	64.34	2794.12	7.33	2.824
39-22-S	40.21	80.42	3049.70	8.08	2.861
39-23-S	40.21	80.42	3048.95	7.27	2.665
39-24-S	40.21	80.42	3048.30	6.57	2.494
39-25-S	40.21	56.30	3039.85	5.99	2.344
39-26-S	40.21	40.21	3030.74	5.56	2.219
39-27-S	40.21	40.21	3030.43	5.21	2.115
39-28-S	40.21	40.21	3030.12	4.88	2.022
39-29-S	40.21	40.21	3029.85	4.57	1.936
39-30-S	40.21	40.21	3029.61	4.30	1.859
39-31-S	40.21	40.21	3029.40	4.07	1.789
39-32-S	40.21	40.21	3029.30	3.96	1.734
39-33-S	40.21	40.21	3029.18	3.83	1.692
39-34-S	40.21	40.21	3029.18	3.83	1.651
39-35-S	40.21	40.21	3029.30	3.96	1.616
39-36-S	40.21	40.21	3029.40	4.07	1.579
39-37-S	40.21	40.21	3029.60	4.29	1.547
39-38-S	40.21	40.21	-2955.53	-75.40	1.523
39-39-S	40.21	40.21	-2956.60	-74.25	1.508
39-40-S	40.21	40.21	-2960.25	-70.32	1.476
39-41-S	40.21	56.30	3042.08	8.43	1.605
39-42-S	40.21	56.30	3494.07	13.83	1.891
39-43-S	40.21	72.38	4072.00	22.46	2.253
39-44-S	40.21	80.42	4542.25	35.25	2.669
39-45-S	64.34	96.51	7883.08	0.00	4.959
39-46-S	64.34	104.55	8601.63	0.00	5.320
39-47-S	64.34	96.51	8595.36	0.00	5.244
39-48-S	64.34	88.47	8588.31	0.00	5.180
39-49-S	64.34	80.42	8580.34	0.00	5.119
39-50-S	64.34	64.34	8561.12	0.00	5.056
39-51-S	64.34	56.30	8699.96	95.26	4.492
39-52-S	64.34	56.30	8713.54	103.86	3.946
39-53-S	64.34	56.30	-7708.05	124.53	2.791
39-54-S	64.34	56.30	-7659.23	94.84	2.074
39-55-S	64.34	56.30	-7634.96	80.08	1.749
39-56-S	64.34	56.30	-7651.67	90.24	2.020
39-57-S	64.34	56.30	8570.26	13.14	2.164
39-58-S	64.34	56.30	8577.66	17.82	1.972
39-59-S	64.34	56.30	8585.40	22.72	1.807
39-60-S	64.34	64.34	8605.67	28.08	1.683
39-61-S	64.34	80.42	8632.48	32.62	1.595
39-62-S	64.34	88.47	8647.84	37.11	1.515
39-63-S	64.34	96.51	8662.88	41.96	1.441
39-64-S	64.34	104.55	8499.56	48.15	1.370
39-65-S	64.34	96.51	7957.70	50.47	1.255
39-66-S	64.34	80.42	7222.60	48.40	1.117
39-67-S	88.47	72.38	8885.78	61.32	1.362
39-68-S	88.47	56.30	7619.07	51.49	1.169
39-69-S	88.47	56.30	6635.45	43.70	1.021
39-70-S	88.47	40.21	6596.46	47.90	1.035
39-71-S	88.47	40.21	6599.47	51.63	1.066
39-72-S	88.47	40.21	6601.42	54.05	1.095
39-73-S	88.47	40.21	6602.73	55.67	1.128
39-74-S	88.47	40.21	6603.99	57.22	1.194
39-75-S	88.47	40.21	6605.37	58.94	1.262
39-76-S	88.47	40.21	6606.90	60.83	1.323
39-77-S	64.34	40.21	4845.72	46.15	1.016
39-78-S	64.34	40.21	4847.21	47.83	1.071
39-79-S	64.34	40.21	4848.84	49.67	1.138
39-80-S	64.34	40.21	4850.54	51.58	1.209
39-81-S	64.34	40.21	4852.54	53.82	1.291
39-82-S	64.34	40.21	4854.85	56.43	1.385
39-83-S	64.34	40.21	4857.53	59.44	1.493
39-84-S	40.21	40.21	3062.14	40.35	1.021
39-85-S	40.21	56.30	3076.30	45.93	1.123

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
39-86-S	40.21	80.42	3091.15	52.96	1.247
39-87-S	40.21	80.42	3098.87	61.32	1.397
39-88-S	40.21	80.42	3108.65	71.91	1.590
39-89-S	40.21	64.34	2848.82	72.20	1.679
39-90-S	40.21	40.21	2059.42	46.53	1.403
39-91-S	40.21	40.21	1806.01	43.96	1.424
39-92-S	40.21	40.21	1811.99	55.06	1.693
39-93-S	40.21	40.21	1820.84	71.50	2.104
39-94-S	40.21	40.21	1784.03	3.14	2.600
39-95-S	40.21	40.21	1784.02	3.11	2.884
39-96-S	40.21	40.21	1783.61	2.36	3.278
39-97-S	40.21	40.21	1783.03	1.28	3.759
39-98-S	40.21	40.21	-1813.22	57.80	2.728
39-99-S	40.21	40.21	-1802.03	36.86	2.203
39-100-S	40.21	40.21	-1798.30	29.87	2.318
39-101-S	40.21	40.21	-1795.67	24.96	2.712
39-102-S	40.21	40.21	-1792.25	18.54	3.344
39-103-S	40.21	40.21	-1786.76	8.28	4.405
39-104-S	40.21	40.21	1779.63	-4.88	5.168
39-105-S	40.21	40.21	1779.79	-4.60	5.299
39-106-S	40.21	40.21	1780.14	-3.96	5.509
39-107-S	40.21	40.21	1780.47	-3.37	5.759
39-108-S	40.21	40.21	1780.77	-2.82	6.057
39-109-S	40.21	40.21	1780.97	-2.36	6.471
40-1-S	40.21	40.21	1778.94	-6.12	8.257
40-2-S	40.21	40.21	1778.54	-6.84	7.850
40-3-S	40.21	40.21	1778.32	-7.24	7.454
40-4-S	40.21	40.21	1778.27	-7.32	7.082
40-5-S	40.21	40.21	1778.29	-7.29	6.733
40-6-S	40.21	40.21	1778.32	-7.24	6.408
40-7-S	40.21	40.21	1778.36	-7.18	6.124
40-8-S	40.21	40.21	1778.46	-6.99	5.915
40-9-S	40.21	40.21	1778.63	-6.69	5.776
40-10-S	40.21	40.21	1779.12	-5.81	5.622
40-11-S	40.21	40.21	1780.18	-3.90	5.216
40-12-S	40.21	40.21	1781.23	-1.99	4.774
40-13-S	40.21	40.21	1782.14	-0.36	4.388
40-14-S	40.21	40.21	1782.91	1.06	4.011
40-15-S	40.21	40.21	1783.32	1.82	3.583
40-16-S	40.21	40.21	1783.26	1.70	3.184
40-17-S	40.21	40.21	1783.19	1.58	2.846
40-18-S	40.21	40.21	1783.14	1.49	2.560
40-19-S	40.21	40.21	1783.10	1.41	2.316
40-20-S	40.21	64.34	2790.52	3.07	3.321
40-21-S	40.21	80.42	3045.20	3.21	3.345
40-22-S	40.21	80.42	3044.81	2.79	3.104
40-23-S	40.21	80.42	3044.56	2.52	2.895
40-24-S	40.21	56.30	3036.55	2.37	2.702
40-25-S	40.21	40.21	3027.74	2.23	2.527
40-26-S	40.21	40.21	3027.61	2.09	2.377
40-27-S	40.21	40.21	3027.16	1.59	2.234
40-28-S	40.21	40.21	3026.65	1.03	2.101
40-29-S	40.21	40.21	3026.30	0.63	1.988
40-30-S	40.21	40.21	3026.06	0.37	1.892
40-31-S	40.21	40.21	3025.92	0.21	1.810
40-32-S	40.21	40.21	3025.81	0.09	1.741
40-33-S	40.21	40.21	3025.49	-0.25	1.677
40-34-S	40.21	40.21	-2940.95	-91.06	1.573
40-35-S	40.21	40.21	-2946.35	-85.26	1.424
40-36-S	40.21	40.21	-2950.85	-80.43	1.303
40-37-S	40.21	56.30	3033.97	-0.43	1.463
40-38-S	40.21	56.30	3034.26	-0.14	1.421
40-39-S	40.21	56.30	3034.68	0.32	1.389
40-40-S	40.21	64.34	3930.38	1.23	1.783
40-41-S	72.38	88.47	-10132.72	-262.09	3.263
40-42-S	72.38	112.59	9688.94	9.98	4.381
40-43-S	72.38	112.59	9696.60	14.72	4.395
40-44-S	72.38	104.55	9697.27	19.52	4.418
40-45-S	72.38	80.42	-10259.89	-258.34	3.970
40-46-S	72.38	56.30	-7187.84	-191.55	3.192
40-47-S	72.38	56.30	-7160.73	-207.60	3.659
40-48-S	72.38	56.30	-7126.47	-227.88	4.248
40-49-S	72.38	56.30	-7082.88	-253.69	5.125
40-50-S	72.38	56.30	9601.56	0.00	5.486
40-51-S	72.38	56.30	9601.56	0.00	5.447
40-52-S	72.38	56.30	9770.63	107.41	4.502
40-53-S	72.38	56.30	9781.67	114.42	3.879
40-54-S	72.38	56.30	-7735.15	135.71	2.947
40-55-S	72.38	56.30	-7688.71	107.54	2.312
40-56-S	72.38	56.30	-7681.73	103.31	2.272
40-57-S	72.38	56.30	9653.82	33.20	2.216
40-58-S	72.38	56.30	9664.20	39.80	2.002
40-59-S	72.38	56.30	9671.83	44.65	1.831
40-60-S	72.38	56.30	9682.37	51.34	1.684
40-61-S	72.38	56.30	9695.72	59.82	1.556
40-62-S	72.38	56.30	9706.63	66.75	1.462
40-63-S	72.38	56.30	9713.27	70.97	1.396
40-64-S	72.38	56.30	9718.50	74.29	1.339
40-65-S	72.38	56.30	9721.91	76.46	1.292

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
40-66-S	72.38	80.42	9765.80	79.31	1.267
40-67-S	72.38	104.55	9801.61	84.33	1.251
40-68-S	72.38	112.59	9821.17	91.88	1.240
40-69-S	72.38	112.59	9836.30	101.25	1.248
40-70-S	72.38	88.47	8778.54	89.79	1.132
40-71-S	104.55	64.34	10184.15	94.55	1.345
40-72-S	104.55	56.30	7815.86	62.40	1.071
40-73-S	104.55	56.30	7822.47	70.53	1.139
40-74-S	104.55	56.30	7827.58	76.81	1.215
40-75-S	104.55	40.21	7774.08	79.28	1.279
40-76-S	104.55	40.21	7776.37	82.20	1.369
40-77-S	72.38	40.21	5444.95	59.94	1.033
40-78-S	72.38	40.21	5446.57	61.78	1.099
40-79-S	72.38	40.21	5448.37	63.81	1.171
40-80-S	72.38	40.21	5450.47	66.18	1.255
40-81-S	72.38	40.21	5452.80	68.82	1.344
40-82-S	72.38	40.21	5455.42	71.79	1.442
40-83-S	72.38	40.21	5458.46	75.22	1.559
40-84-S	72.38	40.21	5461.98	79.20	1.702
40-85-S	40.21	40.21	3068.29	47.17	1.053
40-86-S	40.21	40.21	3073.27	52.68	1.158
40-87-S	40.21	56.30	3089.25	60.11	1.285
40-88-S	40.21	80.42	3106.25	69.32	1.443
40-89-S	40.21	80.42	3116.92	80.86	1.640
40-90-S	40.21	80.42	3130.73	95.82	1.900
40-91-S	40.21	64.34	2870.03	97.35	2.053
40-92-S	40.21	40.21	1808.75	49.05	1.549
40-93-S	40.21	40.21	1816.04	62.58	1.934
40-94-S	40.21	40.21	1828.16	85.09	2.575
40-95-S	40.21	40.21	1783.28	1.75	3.184
40-96-S	40.21	40.21	1783.33	1.84	3.572
40-97-S	40.21	40.21	1782.93	1.09	3.999
40-98-S	40.21	40.21	1782.16	-0.33	4.378
40-99-S	40.21	40.21	-1838.98	106.03	4.732
40-100-S	40.21	40.21	-1818.40	67.49	3.718
40-101-S	40.21	40.21	-1806.95	46.06	3.288
40-102-S	40.21	40.21	-1803.47	39.56	3.774
40-103-S	40.21	40.21	-1800.94	34.82	4.514
40-104-S	40.21	40.21	-1797.33	28.06	5.354
40-105-S	40.21	40.21	-1792.82	19.62	6.203
40-106-S	40.21	40.21	1778.29	-7.29	6.730
40-107-S	40.21	40.21	1778.28	-7.32	7.079
40-108-S	40.21	40.21	1778.32	-7.24	7.451
40-109-S	40.21	40.21	1778.54	-6.84	7.845
40-110-S	40.21	40.21	1778.94	-6.12	8.250
41-1-S	40.21	40.21	1781.55	-1.43	10.962
41-2-S	40.21	40.21	1780.71	-2.94	10.530
41-3-S	40.21	40.21	1779.81	-4.55	10.123
41-4-S	40.21	40.21	1779.00	-6.02	9.762
41-5-S	40.21	40.21	1778.24	-7.39	9.423
41-6-S	40.21	40.21	-1778.01	-7.85	8.155
41-7-S	40.21	40.21	-1777.94	-7.97	7.225
41-8-S	40.21	40.21	-1777.98	-7.90	6.547
41-9-S	40.21	40.21	-1778.36	-7.20	6.080
41-10-S	40.21	40.21	-1779.58	-4.99	6.022
41-11-S	40.21	40.21	-1781.01	-2.41	6.036
41-12-S	40.21	40.21	1782.36	0.03	5.617
41-13-S	40.21	40.21	1783.36	1.90	5.152
41-14-S	40.21	40.21	1783.71	2.54	4.711
41-15-S	40.21	40.21	1783.54	2.22	4.272
41-16-S	40.21	40.21	1783.35	1.87	3.883
41-17-S	40.21	40.21	1783.21	1.61	3.529
41-18-S	40.21	40.21	1783.13	1.47	3.189
41-19-S	40.21	40.21	1783.11	1.43	2.869
41-20-S	40.21	80.42	3045.37	3.39	4.432
41-21-S	40.21	80.42	3044.54	2.50	4.011
41-22-S	40.21	80.42	3043.86	1.76	3.631
41-23-S	40.21	80.42	3043.29	1.14	3.304
41-24-S	40.21	40.21	3026.30	0.63	3.015
41-25-S	40.21	40.21	3026.00	0.31	2.789
41-26-S	40.21	40.21	3025.83	0.12	2.595
41-27-S	40.21	40.21	3025.52	-0.21	2.426
41-28-S	40.21	40.21	3025.24	-0.52	2.279
41-29-S	40.21	40.21	3025.01	-0.77	2.151
41-30-S	40.21	40.21	3024.81	-0.97	2.037
41-31-S	40.21	40.21	3024.66	-1.14	1.935
41-32-S	40.21	40.21	3024.41	-1.40	1.838
41-33-S	40.21	40.21	-2924.62	-108.60	1.673
41-34-S	40.21	56.30	3032.55	-1.94	1.676
41-35-S	40.21	56.30	3032.43	-2.08	1.610
41-36-S	40.21	56.30	3032.39	-2.11	1.552
41-37-S	40.21	56.30	-4123.48	-98.86	1.454
41-38-S	72.38	56.30	-4162.47	-85.46	1.313
41-39-S	72.38	88.47	-9083.83	-234.60	2.570
41-40-S	72.38	112.59	-14261.20	-376.00	3.559
41-41-S	72.38	112.59	-14334.86	-330.42	3.222
41-42-S	72.38	112.59	-14389.53	-296.59	2.967
41-43-S	72.38	88.47	-11340.39	-240.99	2.309
41-44-S	72.38	56.30	-7237.18	-162.33	1.478

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
41-45-S	72.38	56.30	-7222.66	-170.93	1.504
41-46-S	72.38	56.30	-7150.43	-213.70	1.840
41-47-S	72.38	56.30	-7076.90	-257.23	2.230
41-48-S	72.38	56.30	-6976.04	-316.95	2.763
41-49-S	72.38	56.30	-6812.17	-413.98	3.539
41-50-S	72.38	56.30	9637.29	22.70	4.705
41-51-S	72.38	56.30	9692.98	58.08	5.245
41-52-S	72.38	56.30	9699.55	62.25	4.857
41-53-S	72.38	56.30	9732.49	83.18	3.996
41-54-S	72.38	56.30	9741.97	89.20	3.368
41-55-S	72.38	56.30	9507.51	-57.49	2.890
41-56-S	72.38	56.30	9627.18	16.28	2.432
41-57-S	72.38	56.30	9695.37	59.60	2.138
41-58-S	72.38	56.30	9778.92	112.68	1.921
41-59-S	72.38	56.30	9865.88	167.92	1.753
41-60-S	72.38	56.30	9880.47	177.19	1.605
41-61-S	72.38	56.30	9872.07	171.85	1.476
41-62-S	72.38	56.30	9856.82	162.16	1.361
41-63-S	72.38	56.30	9836.28	149.11	1.259
41-64-S	72.38	56.30	9811.90	133.63	1.173
41-65-S	72.38	56.30	9796.41	123.79	1.116
41-66-S	72.38	56.30	9783.38	115.51	1.066
41-67-S	72.38	56.30	9772.63	108.68	1.021
41-68-S	104.55	56.30	14005.16	147.06	1.403
41-69-S	104.55	88.47	14099.03	146.83	1.397
41-70-S	104.55	112.59	14166.52	158.49	1.460
41-71-S	104.55	112.59	14185.64	170.43	1.538
41-72-S	104.55	112.59	14207.21	183.91	1.648
41-73-S	104.55	88.47	11751.29	139.44	1.469
41-74-S	104.55	56.30	7823.16	71.38	1.056
41-75-S	104.55	56.30	7831.33	81.42	1.148
41-76-S	104.55	56.30	7839.13	91.01	1.255
41-77-S	104.55	40.21	7786.70	95.34	1.348
41-78-S	72.38	40.21	5453.59	69.71	1.024
41-79-S	72.38	40.21	5455.84	72.26	1.106
41-80-S	72.38	40.21	5457.92	74.61	1.193
41-81-S	72.38	40.21	5460.09	77.07	1.286
41-82-S	72.38	40.21	5462.62	79.93	1.381
41-83-S	72.38	40.21	5465.56	83.25	1.490
41-84-S	72.38	40.21	5469.01	87.15	1.620
41-85-S	72.38	40.21	5473.12	91.80	1.775
41-86-S	40.21	40.21	3075.12	54.74	1.102
41-87-S	40.21	40.21	3080.19	60.35	1.216
41-88-S	40.21	40.21	3087.51	68.45	1.353
41-89-S	40.21	80.42	3115.03	78.82	1.532
41-90-S	40.21	80.42	3126.77	91.53	1.752
41-91-S	40.21	80.42	3142.33	108.38	2.046
41-92-S	40.21	80.42	3164.12	131.97	2.459
41-93-S	40.21	40.21	1812.87	56.71	1.735
41-94-S	40.21	40.21	1822.17	73.97	2.227
41-95-S	40.21	40.21	1837.20	101.88	3.052
41-96-S	40.21	40.21	1783.33	1.84	3.874
41-97-S	40.21	40.21	1783.52	2.19	4.268
41-98-S	40.21	40.21	1783.69	2.51	4.716
41-99-S	40.21	40.21	1783.35	1.87	5.166
41-100-S	40.21	40.21	1782.33	-0.01	5.634
41-101-S	40.21	40.21	-1838.62	105.35	4.906
41-102-S	40.21	40.21	-1823.50	77.05	4.464
41-103-S	40.21	40.21	-1812.73	56.88	4.215
41-104-S	40.21	40.21	-1809.87	51.54	4.550
41-105-S	40.21	40.21	-1807.72	47.51	5.083
41-106-S	40.21	40.21	-1804.33	41.16	5.807
41-107-S	40.21	40.21	-1798.95	31.08	6.840
41-108-S	40.21	40.21	-1798.59	30.42	7.808
41-109-S	40.21	40.21	-1798.61	30.45	9.056
41-110-S	40.21	40.21	1780.71	-2.95	10.522
41-111-S	40.21	40.21	1781.55	-1.43	10.948
42-1-S	48.25	48.25	-2137.56	0.51	15.659
42-2-S	48.25	48.25	-2137.52	0.43	14.234
42-3-S	48.25	48.25	-2137.49	0.36	12.997
42-4-S	48.25	48.25	-2137.29	0.00	11.930
42-5-S	48.25	48.25	-2136.97	-0.58	10.595
42-6-S	48.25	48.25	-2136.66	-1.14	8.078
42-7-S	48.25	48.25	-2136.39	-1.63	6.540
42-8-S	48.25	48.25	-2136.19	-1.99	5.468
42-9-S	48.25	48.25	-2136.01	-2.31	4.726
42-10-S	48.25	48.25	-2136.53	-1.37	4.516
42-11-S	48.25	48.25	-2137.42	0.24	4.756
42-12-S	48.25	48.25	-2137.99	1.31	5.409
42-13-S	48.25	48.25	-2138.29	1.87	6.857
42-14-S	48.25	48.25	2138.46	2.17	8.178
42-15-S	48.25	48.25	2138.28	1.83	7.230
42-16-S	48.25	48.25	2138.13	1.55	6.395
42-17-S	48.25	48.25	2138.00	1.32	5.679
42-18-S	48.25	48.25	2137.91	1.14	5.070
42-19-S	48.25	48.25	2137.82	0.99	4.482
42-20-S	48.25	96.51	3652.58	2.38	6.604
42-21-S	48.25	96.51	3652.11	1.86	5.744
42-22-S	48.25	96.51	3651.61	1.32	5.085

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
42-23-S	48.25	96.51	3651.09	0.77	4.564
42-24-S	48.25	48.25	3628.58	0.19	4.117
42-25-S	48.25	48.25	3628.11	-0.32	3.768
42-26-S	48.25	48.25	3627.95	-0.49	3.464
42-27-S	48.25	48.25	3627.84	-0.61	3.203
42-28-S	48.25	48.25	3627.76	-0.69	2.979
42-29-S	48.25	48.25	3627.70	-0.76	2.785
42-30-S	48.25	48.25	3627.61	-0.85	2.618
42-31-S	48.25	48.25	3627.54	-0.93	2.465
42-32-S	48.25	48.25	3627.28	-1.20	2.331
42-33-S	48.25	48.25	-3493.31	-145.14	2.055
42-34-S	48.25	48.25	-3503.61	-134.07	1.823
42-35-S	48.25	64.34	3637.01	-1.64	2.010
42-36-S	48.25	64.34	-4688.08	-139.04	1.888
42-37-S	48.25	64.34	-4707.92	-117.54	1.659
42-38-S	48.25	104.55	5390.19	-2.81	2.647
42-39-S	80.42	128.68	-16205.72	-476.88	4.202
42-40-S	80.42	128.68	-16345.40	-390.31	3.620
42-41-S	80.42	128.68	-16467.61	-314.58	2.901
42-42-S	80.42	96.51	-12485.48	-192.62	1.647
42-43-S	80.42	80.42	-10461.21	-142.92	1.140
42-44-S	80.42	80.42	-10463.52	-141.51	1.067
42-45-S	80.42	80.42	-10411.00	-173.54	1.195
42-46-S	80.42	64.34	-8244.42	-199.08	1.232
42-47-S	80.42	64.34	-8059.00	-308.96	1.748
42-48-S	80.42	64.34	-7694.12	-525.20	2.756
42-49-S	80.42	64.34	-7139.69	-853.78	3.854
42-50-S	80.42	64.34	10656.47	-6.54	3.869
42-51-S	80.42	64.34	10683.46	10.33	3.832
42-52-S	80.42	64.34	10701.48	21.76	3.694
42-53-S	80.42	64.34	10701.54	21.80	3.357
42-54-S	80.42	64.34	10702.94	22.69	3.145
42-55-S	80.42	64.34	10472.40	-119.02	2.615
42-56-S	80.42	64.34	10715.53	30.67	2.215
42-57-S	80.42	64.34	10893.04	143.27	2.051
42-58-S	80.42	64.34	11068.94	254.84	1.940
42-59-S	80.42	64.34	11251.03	370.35	1.862
42-60-S	80.42	64.34	11435.99	487.67	1.807
42-61-S	80.42	64.34	11381.40	453.04	1.644
42-62-S	80.42	64.34	11256.89	374.06	1.472
42-63-S	80.42	64.34	11143.16	301.92	1.331
42-64-S	80.42	64.34	11038.28	235.40	1.214
42-65-S	80.42	64.34	10968.21	190.95	1.049
42-66-S	96.51	64.34	13052.88	186.43	1.100
42-67-S	112.59	64.34	15116.22	175.99	1.137
42-68-S	112.59	64.34	15062.72	141.63	1.024
42-69-S	112.59	64.34	15057.60	138.34	1.087
42-70-S	96.51	96.51	13035.42	128.36	1.081
42-71-S	96.51	128.68	13105.62	141.82	1.269
42-72-S	96.51	128.68	13134.82	159.93	1.431
42-73-S	96.51	128.68	13174.60	184.59	1.588
42-74-S	96.51	104.55	10914.02	148.29	1.466
42-75-S	96.51	64.34	7268.41	76.97	1.062
42-76-S	96.51	64.34	7278.57	88.36	1.161
42-77-S	80.42	64.34	6094.57	81.59	1.058
42-78-S	80.42	48.25	6068.59	84.11	1.135
42-79-S	80.42	48.25	6071.30	87.16	1.230
42-80-S	80.42	48.25	6074.16	90.39	1.341
42-81-S	80.42	48.25	6076.96	93.55	1.444
42-82-S	80.42	48.25	6079.94	96.91	1.557
42-83-S	48.25	48.25	3683.44	60.89	1.020
42-84-S	48.25	48.25	3685.73	63.43	1.111
42-85-S	48.25	48.25	3688.43	66.41	1.217
42-86-S	48.25	48.25	3691.40	69.70	1.332
42-87-S	48.25	48.25	3694.88	73.54	1.465
42-88-S	48.25	48.25	3700.82	80.12	1.629
42-89-S	48.25	96.51	3735.86	92.25	1.849
42-90-S	48.25	96.51	3750.65	108.22	2.120
42-91-S	48.25	96.51	3771.06	130.24	2.488
42-92-S	48.25	96.51	3800.69	162.23	3.015
42-93-S	48.25	48.25	2176.17	72.10	2.165
42-94-S	48.25	48.25	2189.90	97.55	2.750
42-95-S	48.25	48.25	2212.41	139.29	3.757
42-96-S	48.25	48.25	2258.64	225.01	5.904
42-97-S	48.25	48.25	2138.23	1.74	7.234
42-98-S	48.25	48.25	2138.41	2.08	8.201
42-99-S	48.25	48.25	-2138.25	1.78	6.816
42-100-S	48.25	48.25	-2200.46	117.99	4.160
42-101-S	48.25	48.25	-2177.22	74.58	3.168
42-102-S	48.25	48.25	-2165.99	53.60	2.808
42-103-S	48.25	48.25	-2160.53	43.41	2.881
42-104-S	48.25	48.25	-2158.09	38.85	3.419
42-105-S	48.25	48.25	-2154.76	32.63	4.267
42-106-S	48.25	48.25	-2149.44	22.70	5.617
42-107-S	48.25	48.25	-2139.52	4.17	8.313
42-108-S	48.25	48.25	-2137.04	-0.45	10.059
42-109-S	48.25	48.25	-2137.61	0.59	11.764
42-110-S	48.25	48.25	-2139.33	3.81	14.187
42-111-S	48.25	48.25	-2137.55	0.49	15.643

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
43-1-S	40.21	40.21	-1782.00	-0.62	11.751
43-2-S	40.21	40.21	-1782.04	-0.54	10.198
43-3-S	40.21	40.21	-1782.07	-0.48	9.054
43-4-S	40.21	40.21	-1782.22	-0.22	8.191
43-5-S	40.21	40.21	-1782.44	0.18	7.327
43-6-S	40.21	40.21	-1782.66	0.60	5.846
43-7-S	40.21	40.21	-1782.87	1.00	4.899
43-8-S	40.21	40.21	-1783.04	1.31	4.209
43-9-S	40.21	40.21	-1783.20	1.60	3.718
43-10-S	40.21	40.21	-1782.80	0.85	3.613
43-11-S	40.21	40.21	-1782.07	-0.50	3.852
43-12-S	40.21	40.21	-1781.53	-1.47	4.454
43-13-S	40.21	40.21	-1781.14	-2.17	5.816
43-14-S	40.21	40.21	-1780.62	-3.11	8.268
43-15-S	40.21	40.21	1780.09	-4.05	10.847
43-16-S	40.21	40.21	1780.43	-3.44	9.276
43-17-S	40.21	40.21	1780.70	-2.95	7.989
43-18-S	40.21	40.21	1782.34	0.00	6.759
43-19-S	40.21	40.21	1781.25	-1.96	5.289
43-20-S	40.21	80.42	3038.27	-4.17	7.225
43-21-S	40.21	80.42	3039.23	-3.17	6.027
43-22-S	40.21	80.42	3039.97	-2.38	5.169
43-23-S	40.21	80.42	3040.61	-1.71	4.525
43-24-S	40.21	40.21	3024.66	-1.13	4.002
43-25-S	40.21	40.21	3025.12	-0.64	3.594
43-26-S	40.21	40.21	3025.55	-0.18	3.244
43-27-S	40.21	40.21	3025.82	0.11	2.960
43-28-S	40.21	40.21	3025.96	0.26	2.725
43-29-S	40.21	40.21	3026.00	0.31	2.526
43-30-S	40.21	40.21	3026.07	0.39	2.346
43-31-S	40.21	40.21	3026.26	0.59	2.167
43-32-S	40.21	40.21	3026.38	0.73	2.017
43-33-S	40.21	40.21	-2906.37	-128.20	1.788
43-34-S	40.21	40.21	-2917.65	-116.09	1.554
43-35-S	40.21	72.38	3040.64	0.58	1.756
43-36-S	40.21	72.38	3040.71	0.65	1.674
43-37-S	40.21	72.38	3040.78	0.72	1.594
43-38-S	40.21	112.59	4503.78	1.38	2.249
43-39-S	80.42	144.76	-18171.42	-545.47	4.585
43-40-S	80.42	144.76	-18316.66	-454.98	3.965
43-41-S	80.42	144.76	-18444.74	-375.17	3.333
43-42-S	80.42	112.59	-14511.84	-234.84	1.984
43-43-S	80.42	72.38	-9406.04	-141.91	1.114
43-44-S	80.42	72.38	-9388.20	-152.75	1.113
43-45-S	80.42	72.38	-9341.62	-181.09	1.226
43-46-S	80.42	72.38	-9257.71	-232.12	1.466
43-47-S	80.42	72.38	-9077.08	-339.77	2.016
43-48-S	80.42	72.38	-8706.38	-559.58	2.817
43-49-S	80.42	72.38	10699.33	10.82	3.033
43-50-S	80.42	72.38	10691.28	5.74	2.838
43-51-S	80.42	72.38	10681.13	-0.65	2.655
43-52-S	80.42	72.38	10674.05	-4.97	2.457
43-53-S	80.42	72.38	10671.69	-6.40	2.272
43-54-S	80.42	72.38	10663.60	-11.33	2.112
43-55-S	80.42	72.38	10650.82	-19.11	1.971
43-56-S	80.42	72.38	10632.96	-29.99	1.847
43-57-S	80.42	72.38	10652.06	-18.36	1.971
43-58-S	80.42	72.38	11097.97	262.57	1.946
43-59-S	80.42	72.38	11297.34	388.48	1.879
43-60-S	80.42	72.38	11496.40	514.19	1.832
43-61-S	80.42	72.38	11440.41	478.83	1.673
43-62-S	80.42	72.38	11298.43	389.17	1.499
43-63-S	80.42	72.38	11167.18	306.28	1.354
43-64-S	80.42	72.38	11048.73	231.47	1.214
43-65-S	80.42	72.38	10967.32	180.06	1.014
43-66-S	96.51	72.38	13044.92	167.46	1.038
43-67-S	112.59	72.38	15108.43	153.06	1.062
43-68-S	112.59	72.38	15075.06	131.74	1.006
43-69-S	112.59	72.38	15078.56	133.98	1.072
43-70-S	96.51	112.59	13053.52	123.03	1.046
43-71-S	96.51	144.76	13119.55	139.26	1.274
43-72-S	96.51	144.76	13154.54	160.84	1.455
43-73-S	96.51	144.76	13194.43	185.45	1.597
43-74-S	96.51	112.59	10925.69	148.73	1.460
43-75-S	96.51	72.38	7284.33	77.47	1.058
43-76-S	96.51	72.38	7294.79	89.11	1.160
43-77-S	80.42	72.38	6105.76	81.84	1.058
43-78-S	80.42	40.21	6050.37	84.18	1.132
43-79-S	80.42	40.21	6053.24	87.45	1.229
43-80-S	80.42	40.21	6055.93	90.50	1.332
43-81-S	80.42	40.21	6058.50	93.42	1.432
43-82-S	80.42	40.21	6061.31	96.62	1.547
43-83-S	80.42	40.21	6064.61	100.37	1.683
43-84-S	80.42	40.21	6068.69	105.01	1.837
43-85-S	40.21	40.21	3076.13	55.85	1.015
43-86-S	40.21	40.21	3078.64	58.63	1.110
43-87-S	40.21	40.21	3081.45	61.74	1.222
43-88-S	40.21	40.21	3085.03	65.71	1.358
43-89-S	40.21	80.42	3111.51	75.01	1.540

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
43-90-S	40.21	80.42	3124.22	88.77	1.768
43-91-S	40.21	80.42	3141.57	107.55	2.078
43-92-S	40.21	80.42	3166.55	134.60	2.520
43-93-S	40.21	40.21	1814.67	60.04	1.813
43-94-S	40.21	40.21	1826.14	81.34	2.305
43-95-S	40.21	40.21	1844.96	116.31	3.151
43-96-S	40.21	40.21	1883.67	188.19	4.956
43-97-S	40.21	40.21	1779.82	-4.55	10.775
43-98-S	40.21	40.21	-1780.64	-3.08	8.131
43-99-S	40.21	40.21	-1781.15	-2.16	5.762
43-100-S	40.21	40.21	-1834.80	98.19	3.470
43-101-S	40.21	40.21	-1815.53	62.12	2.643
43-102-S	40.21	40.21	-1806.25	44.76	2.343
43-103-S	40.21	40.21	-1801.75	36.33	2.404
43-104-S	40.21	40.21	-1799.70	32.49	2.852
43-105-S	40.21	40.21	-1796.91	27.28	3.559
43-106-S	40.21	40.21	-1792.47	18.96	4.682
43-107-S	40.21	40.21	-1784.19	3.47	6.924
43-108-S	40.21	40.21	-1782.21	-0.23	8.190
43-109-S	40.21	40.21	-1782.07	-0.49	9.054
43-110-S	40.21	40.21	-1782.04	-0.55	10.196
43-111-S	40.21	40.21	-1781.99	-0.63	11.746
44-1-S	40.21	40.21	-1783.03	1.29	11.258
44-2-S	40.21	40.21	-1783.72	2.59	9.883
44-3-S	40.21	40.21	-1784.37	3.80	8.833
44-4-S	40.21	40.21	-1784.88	4.76	7.991
44-5-S	40.21	40.21	-1785.30	5.54	7.282
44-6-S	40.21	40.21	-1785.57	6.05	6.492
44-7-S	40.21	40.21	-1785.69	6.26	5.870
44-8-S	40.21	40.21	-1785.68	6.26	5.366
44-9-S	40.21	40.21	-1785.39	5.71	5.016
44-10-S	40.21	40.21	-1784.45	3.95	5.110
44-11-S	40.21	40.21	-1783.29	1.78	5.320
44-12-S	40.21	40.21	-1782.09	-0.45	5.629
44-13-S	40.21	40.21	-1780.83	-2.74	6.101
44-14-S	40.21	40.21	-1779.87	-4.47	7.155
44-15-S	40.21	40.21	-1779.13	-5.81	9.465
44-16-S	40.21	40.21	-1554.97	-411.78	12.500
44-17-S	40.21	40.21	1782.34	0.00	9.571
44-18-S	40.21	40.21	1782.34	0.00	6.997
44-19-S	40.21	40.21	1782.34	0.00	5.492
44-20-S	40.21	80.42	3042.24	0.00	7.789
44-21-S	40.21	80.42	3042.24	0.00	6.698
44-22-S	40.21	80.42	3042.24	0.00	5.876
44-23-S	40.21	80.42	3042.24	0.00	5.235
44-24-S	40.21	80.42	3025.72	0.00	4.697
44-25-S	40.21	40.21	3024.28	-1.54	4.185
44-26-S	40.21	40.21	3025.06	-0.71	3.705
44-27-S	40.21	40.21	-2865.23	-172.39	3.315
44-28-S	40.21	40.21	-2877.44	-159.28	2.957
44-29-S	40.21	40.21	-2887.40	-148.58	2.671
44-30-S	40.21	40.21	-2897.43	-137.80	2.380
44-31-S	40.21	40.21	-2905.67	-128.95	2.137
44-32-S	40.21	40.21	-2912.21	-121.93	1.941
44-33-S	40.21	40.21	-2918.54	-115.14	1.765
44-34-S	40.21	56.30	3036.05	1.82	1.900
44-35-S	40.21	56.30	3036.09	1.87	1.811
44-36-S	40.21	56.30	-4103.44	-120.60	1.666
44-37-S	40.21	56.30	-4120.76	-101.80	1.441
44-38-S	72.38	56.30	-4161.25	-86.76	1.285
44-39-S	72.38	88.47	-9081.39	-236.46	2.496
44-40-S	72.38	112.59	-14285.45	-360.99	3.396
44-41-S	72.38	112.59	-14364.51	-312.07	3.093
44-42-S	72.38	112.59	-14395.88	-292.66	3.036
44-43-S	72.38	88.47	-11356.25	-231.26	2.422
44-44-S	72.38	56.30	-7240.86	-160.15	1.610
44-45-S	72.38	56.30	-7200.77	-183.89	1.748
44-46-S	72.38	56.30	-7155.83	-210.50	1.964
44-47-S	72.38	56.30	-7105.23	-240.46	2.267
44-48-S	72.38	56.30	9620.93	12.31	2.482
44-49-S	72.38	56.30	9603.24	1.07	2.261
44-50-S	72.38	56.30	9585.75	-9.66	2.075
44-51-S	72.38	56.30	9569.83	-19.39	1.918
44-52-S	72.38	56.30	9553.83	-29.18	1.752
44-53-S	72.38	56.30	9536.71	-39.64	1.568
44-54-S	72.38	56.30	9521.99	-48.63	1.447
44-55-S	72.38	56.30	9509.60	-56.21	1.370
44-56-S	72.38	56.30	9503.91	-59.69	1.345
44-57-S	72.38	56.30	9510.78	-55.49	1.395
44-58-S	72.38	56.30	9524.59	-47.05	1.471
44-59-S	72.38	56.30	9543.56	-35.45	1.571
44-60-S	72.38	56.30	9914.80	199.00	1.625
44-61-S	72.38	56.30	9896.61	187.44	1.492
44-62-S	72.38	56.30	9870.22	170.68	1.374
44-63-S	72.38	56.30	9837.46	149.87	1.269
44-64-S	72.38	56.30	9808.91	131.73	1.174
44-65-S	72.38	56.30	9788.96	119.06	1.095
44-66-S	72.38	56.30	9772.93	108.87	1.027
44-67-S	88.47	56.30	11880.90	118.46	1.163

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
44-68-S	88.47	56.30	11875.52	115.02	1.174
44-69-S	88.47	88.47	11943.52	113.36	1.211
44-70-S	88.47	112.59	11977.96	112.38	1.252
44-71-S	88.47	112.59	11993.20	121.86	1.305
44-72-S	88.47	112.59	12023.92	140.98	1.397
44-73-S	88.47	88.47	9966.07	115.14	1.258
44-74-S	104.55	56.30	7822.22	70.22	1.062
44-75-S	104.55	56.30	7830.36	80.24	1.149
44-76-S	88.47	56.30	6664.90	76.78	1.066
44-77-S	88.47	40.21	6622.80	80.54	1.143
44-78-S	72.38	40.21	5453.52	69.63	1.020
44-79-S	72.38	40.21	5455.92	72.35	1.103
44-80-S	72.38	40.21	5457.96	74.66	1.184
44-81-S	72.38	40.21	5460.30	77.30	1.278
44-82-S	72.38	40.21	5462.92	80.27	1.382
44-83-S	72.38	40.21	5465.73	83.45	1.495
44-84-S	72.38	40.21	5469.06	87.21	1.622
44-85-S	72.38	40.21	5473.00	91.67	1.773
44-86-S	40.21	40.21	3074.88	54.47	1.098
44-87-S	40.21	40.21	3078.41	58.37	1.220
44-88-S	40.21	40.21	3084.45	65.07	1.356
44-89-S	40.21	80.42	3112.05	75.60	1.536
44-90-S	40.21	80.42	3124.01	88.54	1.756
44-91-S	40.21	80.42	3139.98	105.83	2.051
44-92-S	40.21	80.42	3162.19	129.88	2.463
44-93-S	40.21	40.21	1812.56	56.12	1.738
44-94-S	40.21	40.21	1821.85	73.37	2.236
44-95-S	40.21	40.21	1836.89	101.31	3.070
44-96-S	40.21	40.21	1866.06	155.48	4.736
44-97-S	40.21	40.21	-1779.15	-5.78	9.338
44-98-S	40.21	40.21	-1779.88	-4.45	7.081
44-99-S	40.21	40.21	-1780.83	-2.73	6.051
44-100-S	40.21	40.21	-1782.09	-0.45	5.593
44-101-S	40.21	40.21	-1838.60	105.30	4.906
44-102-S	40.21	40.21	-1823.66	77.34	4.467
44-103-S	40.21	40.21	-1812.99	57.38	4.221
44-104-S	40.21	40.21	-1810.19	52.13	4.559
44-105-S	40.21	40.21	-1808.04	48.11	5.092
44-106-S	40.21	40.21	-1804.64	41.75	5.815
44-107-S	40.21	40.21	-1799.23	31.62	6.843
44-108-S	40.21	40.21	-1798.84	30.89	7.810
44-109-S	40.21	40.21	-1784.37	3.79	8.828
44-110-S	40.21	40.21	-1783.72	2.58	9.877
44-111-S	40.21	40.21	-1783.02	1.28	11.251
45-1-S	40.21	40.21	-1786.67	8.10	10.986
45-2-S	40.21	40.21	-1786.89	8.51	9.823
45-3-S	40.21	40.21	-1786.96	8.64	8.951
45-4-S	40.21	40.21	-1786.89	8.52	8.284
45-5-S	40.21	40.21	-1786.78	8.31	7.717
45-6-S	40.21	40.21	-1786.47	7.74	6.902
45-7-S	40.21	40.21	-1786.11	7.05	6.091
45-8-S	40.21	40.21	-1785.60	6.10	5.245
45-9-S	40.21	40.21	-1785.05	5.08	4.466
45-10-S	40.21	40.21	-1784.44	3.93	3.895
45-11-S	40.21	40.21	-1783.89	2.90	4.032
45-12-S	40.21	40.21	-1783.25	1.70	4.420
45-13-S	40.21	40.21	-1782.45	0.21	4.860
45-14-S	40.21	40.21	-1781.39	-1.73	5.641
45-15-S	40.21	40.21	-1779.88	-4.45	8.057
45-16-S	40.21	40.21	-1611.90	-308.68	9.275
45-17-S	40.21	40.21	-1646.60	-245.84	7.568
45-18-S	40.21	40.21	-1670.26	-202.99	6.400
45-19-S	40.21	40.21	1782.34	0.00	5.328
45-20-S	40.21	64.34	2787.94	0.00	6.961
45-21-S	40.21	80.42	3042.24	0.00	6.567
45-22-S	40.21	80.42	3042.24	0.00	5.789
45-23-S	40.21	80.42	3042.24	0.00	5.183
45-24-S	40.21	56.30	3034.38	0.00	4.683
45-25-S	40.21	40.21	-2876.03	-160.79	3.758
45-26-S	40.21	40.21	-2888.33	-147.58	3.323
45-27-S	40.21	40.21	-2897.69	-137.53	2.992
45-28-S	40.21	40.21	-2905.08	-129.59	2.730
45-29-S	40.21	40.21	-2911.18	-123.04	2.514
45-30-S	40.21	40.21	-2919.22	-114.40	2.269
45-31-S	40.21	40.21	-2925.92	-107.20	2.075
45-32-S	40.21	40.21	-2931.55	-101.15	1.915
45-33-S	40.21	40.21	-2936.38	-95.97	1.777
45-34-S	40.21	40.21	-2943.29	-88.54	1.586
45-35-S	40.21	40.21	-2950.20	-81.12	1.403
45-36-S	40.21	40.21	-2954.87	-76.11	1.293
45-37-S	40.21	56.30	3034.65	0.30	1.604
45-38-S	40.21	56.30	3034.46	0.08	1.502
45-39-S	40.21	56.30	3034.10	-0.30	1.405
45-40-S	40.21	64.34	3927.63	-1.06	1.686
45-41-S	72.38	88.47	-10174.13	-233.77	3.335
45-42-S	72.38	112.59	9659.26	-8.15	3.575
45-43-S	72.38	112.59	9653.67	-11.50	3.310
45-44-S	72.38	104.55	9638.74	-16.29	3.062
45-45-S	72.38	80.42	9607.43	-19.34	2.838

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
45-46-S	72.38	56.30	9567.41	-20.87	2.623
45-47-S	72.38	56.30	9560.28	-25.23	2.396
45-48-S	72.38	56.30	9550.44	-31.25	2.178
45-49-S	72.38	56.30	9541.89	-36.47	1.995
45-50-S	72.38	56.30	9533.45	-41.63	1.835
45-51-S	72.38	56.30	9526.91	-45.63	1.628
45-52-S	72.38	56.30	9525.37	-46.57	1.358
45-53-S	72.38	56.30	9525.14	-46.71	1.163
45-54-S	72.38	56.30	9525.71	-46.37	1.016
45-55-S	80.42	56.30	10567.70	-50.63	1.035
45-56-S	80.42	56.30	10569.23	-49.69	1.055
45-57-S	72.38	56.30	9526.45	-45.91	1.030
45-58-S	72.38	56.30	9519.64	-50.07	1.191
45-59-S	72.38	56.30	9514.69	-53.10	1.409
45-60-S	72.38	56.30	9521.24	-49.09	1.605
45-61-S	72.38	56.30	9696.27	60.17	1.557
45-62-S	72.38	56.30	9705.96	66.32	1.457
45-63-S	72.38	56.30	9707.61	67.37	1.385
45-64-S	72.38	56.30	9707.00	66.98	1.330
45-65-S	72.38	56.30	9706.59	66.72	1.285
45-66-S	72.38	80.42	9749.16	68.87	1.248
45-67-S	72.38	104.55	9783.22	72.91	1.231
45-68-S	72.38	112.59	9799.60	78.52	1.229
45-69-S	72.38	112.59	9810.94	85.54	1.223
45-70-S	72.38	88.47	8761.98	78.27	1.125
45-71-S	104.55	64.34	10173.28	85.07	1.361
45-72-S	104.55	56.30	7811.34	56.85	1.086
45-73-S	104.55	56.30	7817.59	64.52	1.142
45-74-S	104.55	56.30	7823.24	71.47	1.213
45-75-S	104.55	40.21	7770.66	74.92	1.275
45-76-S	104.55	40.21	7773.31	78.30	1.354
45-77-S	72.38	40.21	5442.80	57.52	1.016
45-78-S	72.38	40.21	5445.21	60.24	1.093
45-79-S	72.38	40.21	5446.91	62.16	1.167
45-80-S	72.38	40.21	5449.12	64.65	1.250
45-81-S	72.38	40.21	5451.84	67.74	1.343
45-82-S	72.38	40.21	5455.04	71.35	1.453
45-83-S	72.38	40.21	5458.45	75.21	1.581
45-84-S	72.38	40.21	5461.51	78.67	1.727
45-85-S	40.21	40.21	3068.22	47.09	1.063
45-86-S	40.21	40.21	3072.93	52.31	1.167
45-87-S	40.21	56.30	3088.63	59.43	1.293
45-88-S	40.21	80.42	3105.25	68.23	1.449
45-89-S	40.21	80.42	3115.36	79.17	1.642
45-90-S	40.21	80.42	3128.59	93.51	1.895
45-91-S	40.21	64.34	2868.03	94.98	2.041
45-92-S	40.21	40.21	1808.15	47.94	1.539
45-93-S	40.21	40.21	1815.29	61.19	1.923
45-94-S	40.21	40.21	1827.16	83.24	2.560
45-95-S	40.21	40.21	1850.85	127.24	3.831
45-96-S	40.21	40.21	1912.25	241.27	7.174
45-97-S	40.21	40.21	-1781.34	-1.82	5.588
45-98-S	40.21	40.21	-1782.41	0.13	4.826
45-99-S	40.21	40.21	-1783.21	1.63	4.398
45-100-S	40.21	40.21	-1818.18	67.09	3.715
45-101-S	40.21	40.21	-1806.94	46.05	3.284
45-102-S	40.21	40.21	-1803.63	39.85	3.770
45-103-S	40.21	40.21	-1801.26	35.41	4.511
45-104-S	40.21	40.21	-1797.81	28.96	5.355
45-105-S	40.21	40.21	-1793.43	20.76	6.212
45-106-S	40.21	40.21	-1789.80	13.97	7.148
45-107-S	40.21	40.21	-1790.71	15.66	7.902
45-108-S	40.21	40.21	-1791.59	17.31	8.861
45-109-S	40.21	40.21	-1786.87	8.48	9.816
45-110-S	40.21	40.21	-1786.65	8.07	10.980
46-1-S	40.21	40.21	-1784.70	4.54	12.218
46-2-S	40.21	40.21	-1785.10	5.16	10.881
46-3-S	40.21	40.21	-1785.44	5.80	9.769
46-4-S	40.21	40.21	-1785.76	6.40	8.784
46-5-S	40.21	40.21	-1786.05	6.95	7.916
46-6-S	40.21	40.21	-1785.68	6.25	6.545
46-7-S	40.21	40.21	-1784.54	4.11	4.814
46-8-S	40.21	40.21	-1783.85	2.83	3.795
46-9-S	40.21	40.21	-1783.41	2.01	3.144
46-10-S	40.21	40.21	-1783.14	1.49	2.723
46-11-S	40.21	40.21	-1782.90	1.05	2.563
46-12-S	40.21	40.21	-1782.43	0.17	2.926
46-13-S	40.21	40.21	-1781.69	-1.18	3.668
46-14-S	40.21	40.21	-1780.41	-3.49	4.983
46-15-S	40.21	40.21	-1777.80	-8.23	7.783
46-16-S	40.21	40.21	-1643.50	-251.44	7.349
46-17-S	40.21	40.21	-1667.86	-207.32	6.268
46-18-S	40.21	40.21	-1686.51	-173.56	5.498
46-19-S	40.21	40.21	-1701.21	-146.92	4.915
46-20-S	40.21	40.21	-1930.56	-159.86	4.993
46-21-S	40.21	64.34	2787.94	0.00	6.084
46-22-S	40.21	80.42	3042.24	0.00	5.846
46-23-S	40.21	80.42	3042.24	0.00	5.221
46-24-S	40.21	80.42	3042.24	0.00	4.730

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
46-25-S	40.21	56.30	3034.38	0.00	4.330
46-26-S	40.21	40.21	-2906.44	-128.13	3.390
46-27-S	40.21	40.21	-2914.71	-119.24	3.136
46-28-S	40.21	40.21	-2920.55	-112.98	2.910
46-29-S	40.21	40.21	-2926.53	-106.55	2.672
46-30-S	40.21	40.21	-2934.41	-98.09	2.410
46-31-S	40.21	40.21	-2940.36	-91.69	2.216
46-32-S	40.21	40.21	-2944.92	-86.79	2.072
46-33-S	40.21	40.21	-2948.47	-82.98	1.965
46-34-S	40.21	40.21	3021.77	-4.23	1.878
46-35-S	40.21	40.21	3021.94	-4.04	1.727
46-36-S	40.21	40.21	3022.08	-3.90	1.598
46-37-S	40.21	40.21	3022.15	-3.82	1.490
46-38-S	40.21	40.21	3021.86	-4.13	1.390
46-39-S	40.21	40.21	3021.36	-4.67	1.297
46-40-S	40.21	40.21	3020.89	-5.16	1.213
46-41-S	40.21	56.30	3028.86	-5.85	1.129
46-42-S	40.21	56.30	3470.38	-8.59	1.196
46-43-S	40.21	72.38	4027.62	-12.62	1.291
46-44-S	40.21	80.42	4468.84	-17.01	1.323
46-45-S	64.34	96.51	7827.25	-36.55	2.130
46-46-S	64.34	104.55	8524.55	-46.24	2.146
46-47-S	64.34	96.51	8512.43	-49.85	1.976
46-48-S	64.34	88.47	8503.64	-51.00	1.783
46-49-S	64.34	80.42	8494.98	-51.55	1.619
46-50-S	64.34	64.34	8475.75	-51.84	1.482
46-51-S	64.34	56.30	8467.74	-49.82	1.311
46-52-S	64.34	56.30	8475.18	-45.28	1.111
46-53-S	80.42	56.30	10565.04	-52.26	1.208
46-54-S	80.42	56.30	10569.97	-49.24	1.080
46-55-S	80.42	56.30	10572.48	-47.70	1.011
46-56-S	80.42	56.30	10568.67	-50.03	1.083
46-57-S	80.42	56.30	10563.04	-53.49	1.202
46-58-S	64.34	56.30	8473.14	-46.53	1.113
46-59-S	64.34	56.30	8467.42	-50.01	1.299
46-60-S	64.34	64.34	8475.10	-52.23	1.508
46-61-S	64.34	80.42	8622.28	26.24	1.593
46-62-S	64.34	88.47	8637.63	30.75	1.512
46-63-S	64.34	96.51	8652.14	35.29	1.434
46-64-S	64.34	104.55	8484.67	38.73	1.350
46-65-S	64.34	96.51	7942.42	40.13	1.245
46-66-S	64.34	80.42	7209.31	38.47	1.112
46-67-S	88.47	72.38	8871.36	49.22	1.357
46-68-S	88.47	56.30	7609.50	42.09	1.170
46-69-S	88.47	56.30	6628.80	36.23	1.026
46-70-S	88.47	40.21	6590.23	40.19	1.034
46-71-S	88.47	40.21	6593.29	43.98	1.065
46-72-S	88.47	40.21	6595.53	46.74	1.094
46-73-S	88.47	40.21	6597.23	48.86	1.122
46-74-S	88.47	40.21	6598.95	50.98	1.176
46-75-S	88.47	40.21	6600.84	53.33	1.242
46-76-S	88.47	40.21	6603.03	56.05	1.312
46-77-S	64.34	40.21	4843.21	43.33	1.014
46-78-S	64.34	40.21	4845.21	45.58	1.074
46-79-S	64.34	40.21	4846.76	47.32	1.146
46-80-S	64.34	40.21	4848.55	49.34	1.225
46-81-S	64.34	40.21	4850.64	51.69	1.313
46-82-S	64.34	40.21	4853.07	54.42	1.409
46-83-S	64.34	40.21	4855.99	57.70	1.515
46-84-S	40.21	40.21	3062.55	40.81	1.037
46-85-S	40.21	56.30	3076.84	46.52	1.138
46-86-S	40.21	80.42	3091.31	53.13	1.261
46-87-S	40.21	80.42	3098.43	60.85	1.409
46-88-S	40.21	80.42	3107.38	70.53	1.596
46-89-S	40.21	64.34	2847.01	70.06	1.677
46-90-S	40.21	40.21	2058.43	44.92	1.396
46-91-S	40.21	40.21	1805.19	42.44	1.416
46-92-S	40.21	40.21	1810.99	53.22	1.683
46-93-S	40.21	40.21	1819.56	69.13	2.090
46-94-S	40.21	40.21	1833.03	94.15	2.756
46-95-S	40.21	40.21	1848.12	122.17	3.603
46-96-S	40.21	40.21	1853.17	131.55	4.431
46-97-S	40.21	40.21	-1781.64	-1.27	3.672
46-98-S	40.21	40.21	-1812.63	56.70	2.730
46-99-S	40.21	40.21	-1801.71	36.26	2.204
46-100-S	40.21	40.21	-1798.08	29.45	2.319
46-101-S	40.21	40.21	-1795.55	24.72	2.712
46-102-S	40.21	40.21	-1792.25	18.56	3.345
46-103-S	40.21	40.21	-1786.99	8.70	4.409
46-104-S	40.21	40.21	-1777.16	-9.39	6.444
46-105-S	40.21	40.21	-1786.03	6.90	7.901
46-106-S	40.21	40.21	1770.38	-21.54	8.744
46-107-S	40.21	40.21	1771.02	-20.39	9.295
46-108-S	40.21	40.21	1772.24	-18.20	10.002
46-109-S	40.21	40.21	1774.17	-14.60	11.036
47-1-S	40.21	40.21	-1780.32	0.09	17.255
47-2-S	40.21	40.21	-1783.07	1.37	10.717
47-3-S	40.21	40.21	-1783.80	2.73	9.229
47-4-S	40.21	40.21	-1784.36	3.78	8.117

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
47-5-S	40.21	40.21	-1784.88	4.75	7.290
47-6-S	40.21	40.21	-1785.06	5.10	6.348
47-7-S	40.21	40.21	-1784.67	4.36	5.383
47-8-S	40.21	40.21	-1784.25	3.58	4.737
47-9-S	40.21	40.21	-1783.93	2.98	4.236
47-10-S	40.21	40.21	-1783.61	2.37	3.852
47-11-S	40.21	40.21	-1782.96	1.16	3.976
47-12-S	40.21	40.21	-1781.98	-0.66	4.449
47-13-S	40.21	40.21	-1780.60	-3.16	5.055
47-14-S	40.21	40.21	-1778.81	-6.39	5.685
47-15-S	40.21	40.21	-1686.23	-174.07	6.961
47-16-S	40.21	40.21	-1700.22	-148.73	6.045
47-17-S	40.21	40.21	-1710.96	-129.28	5.343
47-18-S	40.21	40.21	-1718.66	-115.32	4.809
47-19-S	40.21	40.21	-1724.22	-105.25	4.402
47-20-S	40.21	40.21	-1727.41	-99.47	4.091
47-21-S	40.21	48.25	2283.40	0.00	4.920
47-22-S	40.21	64.34	2787.94	0.00	5.308
47-23-S	40.21	80.42	3042.24	0.00	5.214
47-24-S	40.21	80.42	3042.24	0.00	4.744
47-25-S	40.21	72.38	3020.63	-20.55	4.302
47-26-S	40.21	56.30	3017.67	-17.73	3.767
47-27-S	40.21	40.21	3011.14	-15.59	3.341
47-28-S	40.21	40.21	3012.22	-14.43	2.978
47-29-S	40.21	40.21	3013.03	-13.57	2.666
47-30-S	40.21	40.21	3013.91	-12.62	2.407
47-31-S	40.21	40.21	3014.73	-11.74	2.193
47-32-S	40.21	40.21	3015.42	-11.01	2.014
47-33-S	40.21	40.21	3016.00	-10.39	1.862
47-34-S	40.21	40.21	3016.44	-9.92	1.721
47-35-S	40.21	40.21	3016.70	-9.64	1.579
47-36-S	40.21	40.21	3016.78	-9.56	1.450
47-37-S	40.21	40.21	3016.82	-9.52	1.341
47-38-S	40.21	40.21	3016.82	-9.52	1.248
47-39-S	40.21	40.21	3016.70	-9.64	1.166
47-40-S	40.21	40.21	3016.54	-9.81	1.080
47-41-S	40.21	40.21	3016.41	-9.96	1.006
47-42-S	64.34	40.21	4789.85	-16.10	1.494
47-43-S	64.34	40.21	4789.42	-16.57	1.384
47-44-S	64.34	40.21	4788.99	-17.04	1.268
47-45-S	64.34	40.21	4788.56	-17.50	1.170
47-46-S	64.34	40.21	4788.25	-17.85	1.084
47-47-S	64.34	40.21	5522.05	-23.58	1.155
47-48-S	64.34	48.25	5532.70	-25.22	1.077
47-49-S	64.34	48.25	6266.51	-30.40	1.142
47-50-S	64.34	56.30	6276.93	-31.04	1.064
47-51-S	80.42	56.30	7816.52	-39.29	1.236
47-52-S	80.42	48.25	8715.37	-44.12	1.286
47-53-S	80.42	56.30	9039.19	-44.88	1.267
47-54-S	80.42	40.21	8696.62	-43.15	1.212
47-55-S	80.42	48.25	8716.11	-43.56	1.226
47-56-S	80.42	48.25	8715.04	-44.36	1.270
47-57-S	80.42	56.30	7817.12	-38.79	1.203
47-58-S	80.42	56.30	7818.22	-37.88	1.288
47-59-S	80.42	48.25	7802.76	-36.91	1.396
47-60-S	80.42	48.25	6887.65	-30.71	1.330
47-61-S	80.42	40.21	6871.18	-28.80	1.438
47-62-S	80.42	40.21	5989.57	15.06	1.190
47-63-S	80.42	40.21	5991.63	17.41	1.154
47-64-S	80.42	40.21	5994.03	20.14	1.137
47-65-S	80.42	40.21	5996.15	22.54	1.121
47-66-S	80.42	40.21	5997.97	24.61	1.105
47-67-S	80.42	40.21	6000.06	26.99	1.109
47-68-S	80.42	40.21	6001.63	28.78	1.121
47-69-S	80.42	40.21	6003.16	30.51	1.133
47-70-S	80.42	40.21	6004.51	32.05	1.153
47-71-S	80.42	40.21	6005.95	33.68	1.176
47-72-S	80.42	40.21	6007.53	35.48	1.199
47-73-S	80.42	40.21	6009.16	37.34	1.234
47-74-S	64.34	40.21	4832.71	31.52	1.040
47-75-S	64.34	40.21	4834.21	33.21	1.090
47-76-S	64.34	40.21	4835.89	35.09	1.141
47-77-S	64.34	40.21	4837.76	37.20	1.195
47-78-S	64.34	40.21	4839.17	38.78	1.256
47-79-S	64.34	40.21	4840.59	40.38	1.324
47-80-S	64.34	40.21	4842.21	42.21	1.402
47-81-S	64.34	40.21	4844.63	44.93	1.491
47-82-S	40.21	56.30	3063.22	31.60	1.012
47-83-S	40.21	72.38	3073.92	36.73	1.108
47-84-S	40.21	80.42	3081.83	42.87	1.223
47-85-S	40.21	80.42	3088.85	50.48	1.363
47-86-S	40.21	64.34	2830.55	50.53	1.405
47-87-S	40.21	48.25	2311.45	40.72	1.305
47-88-S	40.21	40.21	1797.16	27.52	1.135
47-89-S	40.21	40.21	1798.79	30.56	1.281
47-90-S	40.21	40.21	1801.40	35.40	1.480
47-91-S	40.21	40.21	1805.21	42.48	1.759
47-92-S	40.21	40.21	1810.36	52.05	2.119
47-93-S	40.21	40.21	1814.57	59.85	2.396

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
47-94-S	40.21	40.21	1816.96	64.30	2.692
47-95-S	40.21	40.21	1817.44	65.20	3.066
47-96-S	40.21	40.21	1817.39	65.09	3.539
47-97-S	40.21	40.21	-1782.95	1.14	3.981
47-98-S	40.21	40.21	-1783.60	2.35	3.853
47-99-S	40.21	40.21	-1783.93	2.97	4.236
47-100-S	40.21	40.21	-1784.25	3.57	4.734
47-101-S	40.21	40.21	-1784.66	4.35	5.375
47-102-S	40.21	40.21	1778.61	-6.73	5.851
47-103-S	40.21	40.21	1775.52	-12.29	6.101
47-104-S	40.21	40.21	1774.79	-13.60	6.360
47-105-S	40.21	40.21	1774.58	-13.98	6.564
47-106-S	40.21	40.21	1774.50	-14.11	6.762
47-107-S	24.13	24.13	1065.02	-9.51	6.197
48-1-S	40.21	40.21	-1779.35	-0.69	19.292
48-2-S	40.21	40.21	-1782.73	0.72	10.661
48-3-S	40.21	40.21	-1783.82	2.78	9.379
48-4-S	40.21	40.21	-1784.69	4.39	8.369
48-5-S	40.21	40.21	-1785.38	5.69	7.554
48-6-S	40.21	40.21	-1785.68	6.24	6.941
48-7-S	40.21	40.21	-1785.17	5.29	6.350
48-8-S	40.21	40.21	-1783.92	2.95	5.914
48-9-S	40.21	40.21	-1782.63	0.54	5.557
48-10-S	40.21	40.21	-1781.46	-1.59	5.239
48-11-S	40.21	40.21	-1780.42	-3.49	4.955
48-12-S	40.21	40.21	-1779.54	-5.07	4.627
48-13-S	40.21	40.21	-1778.91	-6.21	4.222
48-14-S	40.21	40.21	-1777.79	-8.23	4.660
48-15-S	40.21	40.21	-1728.09	-98.25	6.194
48-16-S	40.21	40.21	-1721.13	-110.85	5.935
48-17-S	40.21	40.21	-1716.25	-119.69	5.641
48-18-S	40.21	40.21	-1712.14	-127.14	5.364
48-19-S	40.21	40.21	1782.34	0.00	5.016
48-20-S	40.21	40.21	1782.34	0.00	4.256
48-21-S	40.21	40.21	1782.34	0.00	3.691
48-22-S	40.21	48.25	2034.37	0.00	3.723
48-23-S	40.21	64.34	2519.95	-23.19	4.158
48-24-S	40.21	72.38	3012.80	-28.80	4.259
48-25-S	40.21	80.42	3017.81	-25.71	3.691
48-26-S	40.21	72.38	3017.71	-23.63	3.231
48-27-S	40.21	56.30	3013.65	-21.99	2.870
48-28-S	40.21	48.25	3011.08	-20.67	2.581
48-29-S	40.21	40.21	3007.42	-19.56	2.344
48-30-S	40.21	40.21	3008.46	-18.45	2.145
48-31-S	40.21	40.21	3009.40	-17.45	1.960
48-32-S	40.21	40.21	3010.12	-16.67	1.784
48-33-S	40.21	40.21	3010.71	-16.05	1.634
48-34-S	40.21	40.21	3011.20	-15.52	1.508
48-35-S	40.21	40.21	3011.63	-15.06	1.398
48-36-S	40.21	40.21	3012.01	-14.65	1.299
48-37-S	40.21	40.21	3012.23	-14.42	1.201
48-38-S	40.21	40.21	3012.37	-14.27	1.113
48-39-S	40.21	40.21	3012.49	-14.14	1.037
48-40-S	56.30	40.21	4196.48	-19.55	1.352
48-41-S	56.30	40.21	4196.62	-19.40	1.270
48-42-S	56.30	40.21	4196.80	-19.21	1.187
48-43-S	56.30	40.21	4196.99	-19.00	1.107
48-44-S	56.30	40.21	4197.17	-18.80	1.036
48-45-S	80.42	40.21	5952.21	-26.42	1.381
48-46-S	80.42	40.21	5952.45	-26.15	1.300
48-47-S	80.42	40.21	5952.71	-25.87	1.236
48-48-S	80.42	40.21	5952.94	-25.62	1.181
48-49-S	80.42	40.21	5953.15	-25.39	1.135
48-50-S	80.42	40.21	5953.38	-25.14	1.096
48-51-S	80.42	40.21	5953.57	-24.93	1.067
48-52-S	80.42	40.21	5953.71	-24.77	1.045
48-53-S	80.42	40.21	5953.76	-24.72	1.043
48-54-S	80.42	40.21	5953.75	-24.73	1.062
48-55-S	80.42	40.21	5953.71	-24.77	1.091
48-56-S	80.42	40.21	5953.67	-24.82	1.123
48-57-S	80.42	40.21	5953.57	-24.93	1.169
48-58-S	80.42	40.21	5953.38	-25.14	1.227
48-59-S	80.42	40.21	5953.05	-25.50	1.301
48-60-S	80.42	40.21	5952.56	-26.03	1.395
48-61-S	80.42	40.21	5989.09	14.52	1.403
48-62-S	80.42	40.21	5990.20	15.78	1.386
48-63-S	80.42	40.21	5991.33	17.07	1.367
48-64-S	80.42	40.21	5992.48	18.38	1.348
48-65-S	80.42	40.21	5993.68	19.73	1.327
48-66-S	80.42	40.21	5994.87	21.09	1.327
48-67-S	80.42	40.21	5996.01	22.39	1.344
48-68-S	80.42	40.21	5997.27	23.82	1.362
48-69-S	80.42	40.21	5998.69	25.44	1.381
48-70-S	80.42	40.21	6000.17	27.12	1.400
48-71-S	56.30	40.21	4232.76	20.34	1.003
48-72-S	56.30	40.21	4233.75	21.45	1.039
48-73-S	56.30	40.21	4234.86	22.69	1.079
48-74-S	56.30	40.21	4236.15	24.13	1.122
48-75-S	56.30	40.21	4237.75	25.92	1.169

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
48-76-S	56.30	40.21	4239.63	28.03	1.221
48-77-S	56.30	48.25	4251.57	31.00	1.290
48-78-S	56.30	56.30	4262.81	34.94	1.365
48-79-S	56.30	72.38	4278.97	39.76	1.450
48-80-S	56.30	80.42	4288.41	45.12	1.544
48-81-S	56.30	72.38	4289.75	51.56	1.658
48-82-S	56.30	64.34	3573.48	42.56	1.525
48-83-S	56.30	48.25	2854.65	32.84	1.359
48-84-S	56.30	40.21	2497.41	30.54	1.338
48-85-S	40.21	40.21	1796.74	26.74	1.098
48-86-S	40.21	40.21	1800.02	32.83	1.277
48-87-S	40.21	40.21	1800.72	34.14	1.433
48-88-S	40.21	40.21	1800.74	34.18	1.602
48-89-S	40.21	40.21	1800.36	33.47	1.781
48-90-S	40.21	40.21	1799.15	31.23	1.956
48-91-S	40.21	40.21	1797.95	28.99	2.148
48-92-S	40.21	40.21	1796.54	26.37	2.303
48-93-S	40.21	40.21	1794.25	22.12	2.423
48-94-S	40.21	40.21	1792.77	19.38	2.582
48-95-S	40.21	40.21	1791.44	16.89	2.777
48-96-S	40.21	40.21	1789.87	13.99	3.002
48-97-S	40.21	40.21	1788.02	10.55	3.263
48-98-S	40.21	40.21	1785.72	6.27	3.540
48-99-S	40.21	40.21	1783.29	1.76	3.749
48-100-S	40.21	40.21	1782.39	0.09	3.942
48-101-S	40.21	40.21	1781.10	-2.24	4.136
48-102-S	40.21	40.21	1779.66	-4.82	4.352
48-103-S	40.21	40.21	1778.07	-7.69	4.595
48-104-S	24.13	24.13	1066.77	-4.93	4.996
49-1-S	32.17	32.17	-1423.09	-1.54	16.771
49-2-S	32.17	32.17	-1425.74	-2.44	8.684
49-3-S	40.21	40.21	-1780.43	-3.46	9.657
49-4-S	40.21	40.21	-1780.15	-3.97	9.089
49-5-S	40.21	40.21	-1779.90	-4.41	8.577
49-6-S	40.21	40.21	-1779.69	-4.81	8.114
49-7-S	40.21	40.21	-1779.25	-5.59	7.617
49-8-S	40.21	40.21	-1778.64	-6.69	6.808
49-9-S	40.21	40.21	-1778.44	-7.06	5.410
49-10-S	40.21	40.21	-1778.55	-6.86	4.300
49-11-S	40.21	40.21	-1778.62	-6.73	3.569
49-12-S	40.21	40.21	-1778.66	-6.66	3.057
49-13-S	40.21	40.21	-1778.50	-6.95	2.808
49-14-S	40.21	40.21	-1777.42	-8.91	3.186
49-15-S	40.21	40.21	-1775.39	-12.59	3.961
49-16-S	40.21	40.21	-1771.66	-19.35	5.435
49-17-S	40.21	40.21	-1720.04	-112.84	5.831
49-18-S	40.21	40.21	1782.34	0.00	5.262
49-19-S	40.21	40.21	1782.34	0.00	4.497
49-20-S	40.21	40.21	1782.34	0.00	3.882
49-21-S	40.21	40.21	1773.03	-16.78	3.353
49-22-S	40.21	40.21	1774.11	-14.83	2.798
49-23-S	40.21	40.21	2020.04	-17.30	2.732
49-24-S	40.21	56.30	2272.12	-19.96	2.682
49-25-S	40.21	64.34	2520.33	-22.72	2.634
49-26-S	40.21	72.38	2768.00	-25.58	2.589
49-27-S	40.21	80.42	3015.10	-28.55	2.548
49-28-S	40.21	72.38	3014.61	-26.90	2.317
49-29-S	40.21	56.30	3010.24	-25.61	2.102
49-30-S	40.21	48.25	3007.44	-24.55	1.923
49-31-S	40.21	40.21	3003.72	-23.51	1.766
49-32-S	40.21	40.21	3004.65	-22.52	1.630
49-33-S	40.21	40.21	3005.54	-21.57	1.506
49-34-S	40.21	40.21	3006.29	-20.76	1.393
49-35-S	40.21	40.21	3006.93	-20.08	1.295
49-36-S	40.21	40.21	3007.50	-19.47	1.208
49-37-S	40.21	40.21	3008.00	-18.94	1.129
49-38-S	40.21	40.21	3008.42	-18.49	1.056
49-39-S	48.25	40.21	3601.43	-21.67	1.184
49-40-S	48.25	40.21	3601.81	-21.27	1.115
49-41-S	48.25	40.21	3602.13	-20.92	1.056
49-42-S	48.25	40.21	3602.42	-20.61	1.003
49-43-S	64.34	40.21	4779.85	-26.96	1.267
49-44-S	64.34	40.21	4780.22	-26.55	1.204
49-45-S	64.34	40.21	4780.52	-26.23	1.158
49-46-S	64.34	40.21	4780.77	-25.96	1.121
49-47-S	64.34	40.21	4781.00	-25.70	1.087
49-48-S	64.34	40.21	4781.22	-25.47	1.057
49-49-S	64.34	40.21	4781.39	-25.28	1.033
49-50-S	64.34	40.21	4781.45	-25.22	1.027
49-51-S	64.34	40.21	4781.49	-25.17	1.025
49-52-S	64.34	40.21	4781.53	-25.13	1.025
49-53-S	64.34	40.21	4781.56	-25.10	1.027
49-54-S	64.34	40.21	4781.48	-25.19	1.044
49-55-S	64.34	40.21	4781.29	-25.40	1.079
49-56-S	64.34	40.21	4781.04	-25.66	1.122
49-57-S	64.34	40.21	4780.78	-25.94	1.168
49-58-S	64.34	40.21	4780.51	-26.24	1.214
49-59-S	64.34	40.21	4780.22	-26.56	1.262
49-60-S	64.34	40.21	4779.86	-26.95	1.318

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
49-61-S	64.34	40.21	4812.98	9.32	1.322
49-62-S	64.34	40.21	4813.89	10.35	1.298
49-63-S	64.34	40.21	4814.91	11.49	1.275
49-64-S	64.34	40.21	4815.76	12.45	1.272
49-65-S	64.34	40.21	4816.50	13.28	1.286
49-66-S	64.34	40.21	4817.37	14.26	1.299
49-67-S	64.34	40.21	4818.32	15.33	1.311
49-68-S	64.34	40.21	4819.42	16.56	1.324
49-69-S	48.25	40.21	3633.83	13.61	1.008
49-70-S	48.25	40.21	3635.05	14.97	1.039
49-71-S	48.25	40.21	3636.53	16.62	1.073
49-72-S	48.25	48.25	3645.28	18.67	1.111
49-73-S	48.25	56.30	3652.97	20.90	1.152
49-74-S	48.25	72.38	3663.80	23.38	1.197
49-75-S	48.25	80.42	3669.88	26.46	1.253
49-76-S	48.25	72.38	3364.89	25.88	1.218
49-77-S	48.25	64.34	3059.39	24.54	1.176
49-78-S	48.25	56.30	2753.56	22.49	1.124
49-79-S	48.25	40.21	2442.43	19.76	1.060
49-80-S	56.30	40.21	2491.43	19.30	1.150
49-81-S	48.25	40.21	2142.99	19.10	1.076
49-82-S	40.21	40.21	1792.93	19.68	1.015
49-83-S	40.21	40.21	1795.42	24.28	1.156
49-84-S	40.21	40.21	1797.43	28.03	1.316
49-85-S	40.21	40.21	1797.96	29.01	1.488
49-86-S	40.21	40.21	1797.44	28.05	1.687
49-87-S	40.21	40.21	1796.37	26.05	1.918
49-88-S	40.21	40.21	1794.54	22.67	2.174
49-89-S	40.21	40.21	1791.75	17.48	2.409
49-90-S	40.21	40.21	1788.20	10.87	2.436
49-91-S	40.21	40.21	1784.73	4.44	2.422
49-92-S	40.21	40.21	1781.28	-1.91	2.416
49-93-S	40.21	40.21	1777.79	-8.19	2.420
49-94-S	40.21	40.21	1774.60	-13.94	2.472
49-95-S	40.21	40.21	1772.72	-17.33	2.600
49-96-S	40.21	40.21	1772.28	-18.13	2.746
49-97-S	40.21	40.21	1772.57	-17.61	2.895
49-98-S	40.21	40.21	1772.89	-17.02	3.062
49-99-S	40.21	40.21	1773.25	-16.37	3.250
49-100-S	32.17	32.17	1419.95	-12.84	2.905
49-101-S	16.08	16.08	710.54	-6.08	2.873
50-1-S	32.17	32.17	1423.54	0.00	21.446
50-2-S	32.17	32.17	1426.05	0.00	10.148
50-3-S	40.21	40.21	1782.34	0.00	9.912
50-4-S	40.21	40.21	1782.34	0.00	9.594
50-5-S	40.21	40.21	1782.34	0.00	9.359
50-6-S	40.21	40.21	-1771.28	-20.03	8.946
50-7-S	40.21	40.21	-1772.80	-17.28	7.595
50-8-S	40.21	40.21	-1774.33	-14.51	5.874
50-9-S	40.21	40.21	-1775.21	-12.91	4.853
50-10-S	40.21	40.21	-1775.73	-11.98	4.305
50-11-S	40.21	40.21	-1776.04	-11.41	4.014
50-12-S	40.21	40.21	-1776.03	-11.44	3.864
50-13-S	40.21	40.21	-1774.25	-14.66	4.266
50-14-S	40.21	40.21	-1771.75	-19.18	4.839
50-15-S	40.21	40.21	1771.64	-19.27	4.311
50-16-S	40.21	40.21	1771.74	-19.09	3.832
50-17-S	40.21	40.21	1771.91	-18.80	3.431
50-18-S	40.21	40.21	1771.95	-18.72	3.163
50-19-S	40.21	40.21	1771.97	-18.68	2.979
50-20-S	40.21	40.21	1772.45	-17.82	2.703
50-21-S	40.21	40.21	1773.04	-16.76	2.423
50-22-S	40.21	40.21	1773.63	-15.69	2.165
50-23-S	40.21	40.21	1774.22	-14.63	1.929
50-24-S	40.21	40.21	1774.70	-13.76	1.740
50-25-S	40.21	48.25	2023.82	-16.64	1.794
50-26-S	40.21	48.25	2269.62	-19.39	1.799
50-27-S	40.21	56.30	2518.09	-22.30	1.807
50-28-S	40.21	64.34	2521.63	-21.08	1.654
50-29-S	40.21	72.38	2769.26	-24.13	1.674
50-30-S	40.21	72.38	3014.20	-27.33	1.690
50-31-S	40.21	64.34	3012.82	-26.13	1.561
50-32-S	40.21	56.30	3010.75	-25.06	1.436
50-33-S	40.21	48.25	3007.75	-24.22	1.333
50-34-S	40.21	40.21	3003.65	-23.59	1.248
50-35-S	40.21	40.21	3004.03	-23.18	1.180
50-36-S	40.21	40.21	3004.27	-22.93	1.122
50-37-S	40.21	40.21	3004.57	-22.61	1.071
50-38-S	40.21	40.21	3004.97	-22.18	1.021
50-39-S	56.30	40.21	4186.50	-30.31	1.358
50-40-S	56.30	40.21	4187.00	-29.77	1.299
50-41-S	56.30	40.21	4187.49	-29.25	1.242
50-42-S	56.30	40.21	4187.95	-28.75	1.190
50-43-S	56.30	40.21	4188.28	-28.40	1.155
50-44-S	56.30	40.21	4188.44	-28.22	1.130
50-45-S	56.30	40.21	4188.61	-28.05	1.107
50-46-S	56.30	40.21	4188.73	-27.91	1.087
50-47-S	56.30	40.21	4188.82	-27.81	1.070
50-48-S	56.30	40.21	4188.81	-27.82	1.070

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
50-49-S	56.30	40.21	4188.76	-27.88	1.079
50-50-S	56.30	40.21	4188.71	-27.94	1.089
50-51-S	56.30	40.21	4188.70	-27.94	1.097
50-52-S	56.30	40.21	4188.73	-27.91	1.105
50-53-S	56.30	40.21	4188.74	-27.90	1.118
50-54-S	56.30	40.21	4188.37	-28.30	1.154
50-55-S	56.30	40.21	4187.96	-28.74	1.195
50-56-S	56.30	40.21	4187.53	-29.21	1.243
50-57-S	56.30	40.21	4187.06	-29.72	1.294
50-58-S	56.30	40.21	4186.57	-30.24	1.350
50-59-S	56.30	40.21	4221.08	7.27	1.368
50-60-S	56.30	40.21	4221.69	7.95	1.340
50-61-S	56.30	40.21	4222.99	9.41	1.342
50-62-S	56.30	40.21	4224.50	11.09	1.352
50-63-S	56.30	40.21	4226.02	12.79	1.361
50-64-S	56.30	48.25	4236.76	14.55	1.374
50-65-S	56.30	56.30	4245.95	16.32	1.386
50-66-S	56.30	64.34	4253.89	18.11	1.398
50-67-S	56.30	72.38	4261.13	20.25	1.439
50-68-S	56.30	72.38	3910.04	19.07	1.366
50-69-S	56.30	64.34	3554.52	17.74	1.287
50-70-S	56.30	56.30	3550.77	19.95	1.334
50-71-S	56.30	48.25	3194.37	18.40	1.246
50-72-S	56.30	48.25	2844.87	16.80	1.156
50-73-S	56.30	40.21	2488.74	14.24	1.064
50-74-S	56.30	40.21	2489.23	15.16	1.125
50-75-S	56.30	40.21	2489.84	16.31	1.194
50-76-S	56.30	40.21	2490.52	17.57	1.269
50-77-S	56.30	40.21	2491.06	18.59	1.349
50-78-S	40.21	40.21	1789.84	13.93	1.029
50-79-S	40.21	40.21	1789.96	14.15	1.091
50-80-S	40.21	40.21	1790.00	14.23	1.185
50-81-S	40.21	40.21	1789.25	12.84	1.301
50-82-S	40.21	40.21	1788.36	11.19	1.430
50-83-S	40.21	40.21	1787.15	8.93	1.588
50-84-S	40.21	40.21	1785.71	6.26	1.762
50-85-S	40.21	40.21	1783.94	2.98	1.954
50-86-S	40.21	40.21	1782.06	-0.50	2.079
50-87-S	40.21	40.21	1779.93	-4.34	2.198
50-88-S	40.21	40.21	1777.32	-9.04	2.288
50-89-S	40.21	40.21	1774.33	-14.43	2.341
50-90-S	40.21	40.21	1771.78	-19.02	2.360
50-91-S	40.21	40.21	1770.80	-20.78	2.417
50-92-S	40.21	40.21	1770.57	-21.21	2.497
50-93-S	40.21	40.21	1770.31	-21.67	2.583
50-94-S	40.21	40.21	1770.13	-21.99	2.689
50-95-S	32.17	32.17	1416.24	-17.66	2.760
50-96-S	16.08	16.08	708.30	-8.59	2.925
51-1-S	24.13	24.13	1067.72	0.00	16.442
51-2-S	24.13	24.13	1069.98	0.00	7.816
51-3-S	40.21	40.21	1766.41	-28.50	8.364
51-4-S	40.21	40.21	1767.54	-26.65	7.820
51-5-S	40.21	40.21	1768.72	-24.53	7.357
51-6-S	40.21	40.21	1769.88	-22.45	6.885
51-7-S	40.21	40.21	1771.17	-20.12	6.234
51-8-S	40.21	40.21	1772.52	-17.69	5.452
51-9-S	40.21	40.21	1773.74	-15.50	4.746
51-10-S	40.21	40.21	1774.70	-13.75	4.176
51-11-S	40.21	40.21	1774.49	-14.15	3.754
51-12-S	40.21	40.21	1774.02	-14.98	3.424
51-13-S	40.21	40.21	1773.66	-15.64	3.137
51-14-S	40.21	40.21	1773.25	-16.38	2.931
51-15-S	40.21	40.21	1772.40	-17.91	2.900
51-16-S	40.21	40.21	1771.32	-19.84	2.938
51-17-S	40.21	40.21	1770.36	-21.58	2.955
51-18-S	40.21	40.21	1770.38	-21.54	2.803
51-19-S	40.21	40.21	1771.18	-20.11	2.534
51-20-S	40.21	40.21	1771.90	-18.81	2.299
51-21-S	40.21	40.21	1772.62	-17.51	2.073
51-22-S	40.21	40.21	1773.41	-16.08	1.840
51-23-S	40.21	40.21	1774.14	-14.77	1.628
51-24-S	40.21	40.21	1774.69	-13.78	1.463
51-25-S	40.21	40.21	1775.20	-12.87	1.318
51-26-S	40.21	40.21	1775.62	-12.11	1.197
51-27-S	40.21	40.21	1775.95	-11.52	1.100
51-28-S	40.21	40.21	2021.86	-14.42	1.176
51-29-S	40.21	48.25	2025.30	-14.31	1.122
51-30-S	40.21	48.25	2270.98	-17.47	1.181
51-31-S	40.21	56.30	2274.19	-17.07	1.111
51-32-S	40.21	56.30	2519.55	-20.45	1.161
51-33-S	40.21	56.30	2519.87	-20.05	1.098
51-34-S	40.21	56.30	2764.50	-23.72	1.143
51-35-S	40.21	56.30	2764.87	-23.29	1.087
51-36-S	40.21	56.30	3008.96	-26.96	1.129
51-37-S	40.21	48.25	3005.77	-26.33	1.083
51-38-S	40.21	56.30	3010.04	-25.81	1.047
51-39-S	40.21	48.25	3006.76	-25.28	1.014
51-40-S	48.25	48.25	3600.63	-29.70	1.182
51-41-S	48.25	48.25	3601.06	-29.24	1.153

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
51-42-S	48.25	40.21	3594.52	-29.10	1.132
51-43-S	48.25	40.21	3594.44	-29.18	1.118
51-44-S	48.25	40.21	3594.38	-29.25	1.105
51-45-S	48.25	40.21	3594.36	-29.26	1.098
51-46-S	48.25	40.21	3594.35	-29.28	1.098
51-47-S	48.25	40.21	3594.43	-29.19	1.102
51-48-S	48.25	40.21	3594.56	-29.05	1.108
51-49-S	48.25	40.21	3594.75	-28.85	1.115
51-50-S	48.25	40.21	3594.94	-28.64	1.124
51-51-S	48.25	48.25	3601.21	-29.07	1.150
51-52-S	48.25	48.25	3600.72	-29.60	1.180
51-53-S	40.21	48.25	3006.84	-25.19	1.011
51-54-S	40.21	56.30	3010.13	-25.72	1.043
51-55-S	40.21	48.25	3005.85	-26.24	1.077
51-56-S	40.21	56.30	3009.03	-26.88	1.122
51-57-S	40.21	56.30	2789.73	5.59	1.070
51-58-S	40.21	56.30	2790.60	6.62	1.074
51-59-S	56.30	56.30	3542.38	8.90	1.373
51-60-S	56.30	56.30	3543.27	10.08	1.383
51-61-S	56.30	56.30	3194.09	9.06	1.255
51-62-S	56.30	48.25	3072.34	9.52	1.215
51-63-S	56.30	48.25	2781.69	8.23	1.106
51-64-S	56.30	40.21	2775.33	9.16	1.115
51-65-S	56.30	40.21	2485.70	8.51	1.027
51-66-S	56.30	40.21	2486.78	10.54	1.073
51-67-S	56.30	40.21	2487.99	12.82	1.125
51-68-S	56.30	40.21	2489.28	15.26	1.182
51-69-S	56.30	40.21	2490.71	17.95	1.244
51-70-S	56.30	40.21	2491.60	19.62	1.327
51-71-S	40.21	40.21	1789.76	13.79	1.033
51-72-S	40.21	40.21	1789.19	12.72	1.110
51-73-S	40.21	40.21	1788.29	11.04	1.186
51-74-S	40.21	40.21	1787.06	8.76	1.263
51-75-S	40.21	40.21	1785.30	5.49	1.302
51-76-S	40.21	40.21	1783.09	1.38	1.294
51-77-S	40.21	40.21	1780.82	-2.74	1.279
51-78-S	40.21	40.21	1778.90	-6.20	1.289
51-79-S	40.21	40.21	1777.71	-8.34	1.358
51-80-S	40.21	40.21	1776.91	-9.79	1.436
51-81-S	40.21	40.21	1776.31	-10.86	1.505
51-82-S	40.21	40.21	1776.01	-11.40	1.581
51-83-S	40.21	40.21	1776.03	-11.36	1.687
51-84-S	40.21	40.21	1775.29	-12.71	1.808
51-85-S	40.21	40.21	1773.76	-15.46	1.932
51-86-S	40.21	40.21	1772.64	-17.48	2.041
51-87-S	40.21	40.21	1772.24	-18.20	2.135
51-88-S	40.21	40.21	1771.94	-18.74	2.228
51-89-S	40.21	40.21	1771.56	-19.22	2.350
51-90-S	24.13	24.13	1063.33	-11.98	2.167
51-91-S	8.04	8.04	355.20	-4.16	1.521
52-1-S	16.08	16.08	706.21	-10.52	8.962
52-2-S	16.08	16.08	708.56	-10.00	4.071
52-3-S	32.17	32.17	1415.51	-19.01	4.939
52-4-S	40.21	40.21	1769.66	-22.85	4.682
52-5-S	40.21	40.21	1769.93	-22.35	4.324
52-6-S	40.21	40.21	1770.37	-21.57	3.971
52-7-S	40.21	40.21	1771.03	-20.37	3.627
52-8-S	40.21	40.21	1771.26	-19.96	3.360
52-9-S	40.21	40.21	1771.24	-20.00	3.175
52-10-S	40.21	40.21	1771.25	-19.98	3.030
52-11-S	40.21	40.21	1771.07	-20.29	2.943
52-12-S	40.21	40.21	1770.16	-21.93	2.980
52-13-S	40.21	40.21	1769.13	-23.80	3.036
52-14-S	40.21	40.21	1768.26	-25.36	3.059
52-15-S	40.21	40.21	1767.63	-26.51	3.046
52-16-S	40.21	40.21	1767.61	-26.53	2.935
52-17-S	40.21	40.21	1769.41	-23.30	2.495
52-18-S	40.21	40.21	1770.93	-20.55	2.131
52-19-S	40.21	40.21	1772.20	-18.26	1.836
52-20-S	40.21	40.21	1773.22	-16.42	1.602
52-21-S	40.21	40.21	1773.96	-15.10	1.429
52-22-S	40.21	40.21	1774.25	-14.57	1.331
52-23-S	40.21	40.21	1774.36	-14.37	1.263
52-24-S	40.21	40.21	1774.33	-14.43	1.218
52-25-S	40.21	40.21	1774.28	-14.51	1.178
52-26-S	40.21	40.21	1774.25	-14.57	1.139
52-27-S	40.21	40.21	1774.26	-14.56	1.097
52-28-S	40.21	40.21	1774.46	-14.20	1.039
52-29-S	64.34	40.21	2816.16	-21.45	1.537
52-30-S	64.34	40.21	2816.68	-20.47	1.442
52-31-S	64.34	40.21	2817.18	-19.51	1.358
52-32-S	64.34	40.21	2817.67	-18.58	1.284
52-33-S	64.34	40.21	2818.06	-17.84	1.224
52-34-S	64.34	40.21	2818.26	-17.46	1.187
52-35-S	64.34	40.21	2818.45	-17.12	1.154
52-36-S	64.34	40.21	2818.60	-16.83	1.123
52-37-S	64.34	40.21	3209.35	-21.41	1.247
52-38-S	64.34	40.21	3209.51	-21.14	1.217
52-39-S	64.34	48.25	3218.72	-21.00	1.193

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
52-40-S	64.34	48.25	3218.59	-21.22	1.193
52-41-S	64.34	48.25	3218.48	-21.39	1.197
52-42-S	64.34	48.25	3218.44	-21.45	1.199
52-43-S	64.34	40.21	3209.35	-21.40	1.197
52-44-S	64.34	48.25	3218.43	-21.48	1.201
52-45-S	64.34	48.25	3218.45	-21.44	1.200
52-46-S	64.34	48.25	3218.54	-21.29	1.197
52-47-S	64.34	48.25	3218.68	-21.08	1.197
52-48-S	64.34	40.21	3209.47	-21.22	1.220
52-49-S	64.34	40.21	3209.31	-21.47	1.249
52-50-S	64.34	40.21	2818.58	-16.87	1.124
52-51-S	64.34	40.21	2818.43	-17.14	1.153
52-52-S	64.34	40.21	2818.26	-17.48	1.185
52-53-S	64.34	40.21	2818.06	-17.84	1.220
52-54-S	64.34	40.21	2817.68	-18.56	1.279
52-55-S	64.34	40.21	2829.67	4.41	1.345
52-56-S	64.34	40.21	2829.15	3.35	1.358
52-57-S	64.34	40.21	2828.79	2.62	1.371
52-58-S	64.34	40.21	2828.54	2.13	1.384
52-59-S	64.34	40.21	2828.54	2.12	1.387
52-60-S	64.34	40.21	2829.03	3.10	1.396
52-61-S	64.34	40.21	2829.54	4.14	1.405
52-62-S	64.34	40.21	2830.05	5.18	1.413
52-63-S	64.34	40.21	2830.61	6.31	1.424
52-64-S	64.34	40.21	2831.48	8.07	1.460
52-65-S	64.34	40.21	2832.64	10.41	1.533
52-66-S	40.21	40.21	1785.61	6.07	1.050
52-67-S	40.21	40.21	1784.69	4.37	1.158
52-68-S	40.21	40.21	1783.56	2.27	1.287
52-69-S	40.21	40.21	1782.27	-0.13	1.433
52-70-S	40.21	40.21	1780.61	-3.12	1.597
52-71-S	40.21	40.21	1778.64	-6.67	1.595
52-72-S	40.21	40.21	1776.64	-10.26	1.560
52-73-S	40.21	40.21	1774.68	-13.79	1.520
52-74-S	40.21	40.21	1772.87	-17.06	1.474
52-75-S	40.21	40.21	1771.28	-19.93	1.436
52-76-S	40.21	40.21	1771.02	-20.40	1.446
52-77-S	40.21	40.21	1771.16	-20.14	1.473
52-78-S	40.21	40.21	1771.29	-19.90	1.504
52-79-S	40.21	40.21	1771.50	-19.53	1.557
52-80-S	40.21	40.21	1771.82	-18.95	1.637
52-81-S	40.21	40.21	1772.11	-18.43	1.717
52-82-S	40.21	40.21	1772.36	-17.99	1.797
52-83-S	32.17	32.17	1418.07	-14.40	1.827
52-84-S	16.08	16.08	710.06	-7.30	1.443
52-85-S	8.04	8.04	355.01	-3.69	1.522
53-1-S	16.08	16.08	706.14	-10.22	7.021
53-2-S	16.08	16.08	707.57	-10.36	3.295
53-3-S	24.13	24.13	1061.29	-15.66	3.093
53-4-S	32.17	32.17	1414.81	-21.12	2.982
53-5-S	40.21	40.21	1767.65	-26.46	3.186
53-6-S	40.21	40.21	1767.77	-26.24	3.094
53-7-S	40.21	40.21	1767.97	-25.89	3.004
53-8-S	40.21	40.21	1768.24	-25.40	2.904
53-9-S	40.21	40.21	1768.66	-24.65	2.713
53-10-S	40.21	40.21	1769.03	-23.98	2.551
53-11-S	40.21	40.21	1769.31	-23.46	2.417
53-12-S	40.21	40.21	1769.54	-23.06	2.304
53-13-S	40.21	40.21	1770.09	-22.07	2.134
53-14-S	40.21	40.21	1771.03	-20.38	1.901
53-15-S	40.21	40.21	1771.70	-19.16	1.722
53-16-S	40.21	40.21	1772.15	-18.36	1.588
53-17-S	40.21	40.21	1772.42	-17.86	1.485
53-18-S	40.21	40.21	1772.53	-17.68	1.413
53-19-S	40.21	40.21	1772.42	-17.86	1.374
53-20-S	40.21	40.21	1772.34	-18.01	1.335
53-21-S	40.21	40.21	1772.29	-18.11	1.297
53-22-S	40.21	40.21	1772.13	-18.39	1.279
53-23-S	40.21	40.21	1771.70	-19.16	1.301
53-24-S	40.21	40.21	1771.02	-20.39	1.358
53-25-S	40.21	40.21	1770.74	-20.90	1.374
53-26-S	40.21	40.21	1771.71	-19.16	1.260
53-27-S	40.21	40.21	1772.64	-17.47	1.148
53-28-S	40.21	40.21	1773.49	-15.95	1.046
53-29-S	56.30	40.21	2470.02	-20.32	1.328
53-30-S	56.30	40.21	2470.90	-18.71	1.216
53-31-S	56.30	40.21	2471.09	-18.36	1.184
53-32-S	56.30	40.21	2471.17	-18.22	1.164
53-33-S	56.30	40.21	2471.25	-18.08	1.143
53-34-S	56.30	40.21	2471.32	-17.95	1.121
53-35-S	56.30	40.21	2471.36	-17.88	1.101
53-36-S	56.30	40.21	2471.11	-18.33	1.118
53-37-S	56.30	40.21	2470.81	-18.87	1.137
53-38-S	56.30	40.21	2470.49	-19.46	1.159
53-39-S	56.30	40.21	2470.13	-20.11	1.182
53-40-S	56.30	40.21	2470.13	-20.11	1.183
53-41-S	56.30	40.21	2470.48	-19.48	1.159
53-42-S	56.30	40.21	2470.80	-18.90	1.138
53-43-S	56.30	40.21	2471.09	-18.37	1.119

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
53-44-S	56.30	40.21	2471.33	-17.93	1.102
53-45-S	56.30	40.21	2471.30	-17.99	1.122
53-46-S	56.30	40.21	2471.23	-18.11	1.143
53-47-S	56.30	40.21	2471.16	-18.24	1.163
53-48-S	56.30	40.21	2471.08	-18.38	1.183
53-49-S	56.30	40.21	2470.89	-18.72	1.213
53-50-S	56.30	40.21	2470.02	-20.32	1.325
53-51-S	40.21	40.21	1773.49	-15.94	1.043
53-52-S	40.21	40.21	1772.65	-17.46	1.145
53-53-S	40.21	40.21	1781.51	-1.50	1.227
53-54-S	40.21	40.21	1780.25	-3.76	1.266
53-55-S	40.21	40.21	1778.39	-7.12	1.193
53-56-S	40.21	40.21	1776.75	-10.07	1.098
53-57-S	40.21	40.21	1775.94	-11.52	1.045
53-58-S	40.21	40.21	1775.95	-11.51	1.033
53-59-S	40.21	40.21	1776.85	-9.90	1.044
53-60-S	40.21	40.21	1778.22	-7.42	1.059
53-61-S	40.21	40.21	1780.00	-4.22	1.077
53-62-S	40.21	40.21	1780.39	-3.52	1.113
53-63-S	40.21	40.21	1779.97	-4.28	1.164
53-64-S	40.21	40.21	1779.34	-5.41	1.230
53-65-S	40.21	40.21	1778.45	-7.00	1.315
53-66-S	40.21	40.21	1777.33	-9.02	1.422
53-67-S	40.21	40.21	1776.01	-11.40	1.471
53-68-S	40.21	40.21	1774.73	-13.71	1.471
53-69-S	40.21	40.21	1773.49	-15.94	1.474
53-70-S	40.21	40.21	1772.33	-18.04	1.481
53-71-S	40.21	40.21	1771.23	-20.01	1.491
53-72-S	40.21	40.21	1771.06	-20.33	1.513
53-73-S	40.21	40.21	1771.10	-20.25	1.539
53-74-S	40.21	40.21	1771.19	-20.08	1.567
53-75-S	32.17	32.17	1417.69	-15.94	1.440
53-76-S	24.13	24.13	1063.43	-11.80	1.451
53-77-S	16.08	16.08	709.01	-7.78	1.493
53-78-S	8.04	8.04	354.53	-3.84	1.538
54-1-S	8.04	8.04	353.41	-5.27	3.214
54-2-S	8.04	8.04	354.88	-5.12	1.544
54-3-S	16.08	16.08	708.61	-9.90	1.969
54-4-S	24.13	24.13	1062.35	-14.33	2.127
54-5-S	32.17	32.17	1415.99	-18.69	2.177
54-6-S	40.21	40.21	1769.51	-23.11	2.192
54-7-S	40.21	40.21	1769.62	-22.92	2.070
54-8-S	40.21	40.21	1769.68	-22.80	1.961
54-9-S	40.21	40.21	1769.80	-22.59	1.859
54-10-S	40.21	40.21	1769.92	-22.38	1.764
54-11-S	40.21	40.21	1770.04	-22.15	1.678
54-12-S	40.21	40.21	1770.14	-21.97	1.605
54-13-S	40.21	40.21	1770.21	-21.84	1.544
54-14-S	40.21	40.21	1770.12	-22.01	1.514
54-15-S	40.21	40.21	1770.04	-22.15	1.488
54-16-S	40.21	40.21	1769.99	-22.25	1.462
54-17-S	40.21	40.21	1769.93	-22.36	1.438
54-18-S	40.21	40.21	1769.15	-23.77	1.501
54-19-S	40.21	40.21	1768.49	-24.95	1.552
54-20-S	40.21	40.21	1768.22	-25.44	1.563
54-21-S	40.21	40.21	1768.37	-25.17	1.531
54-22-S	40.21	40.21	1769.27	-23.54	1.412
54-23-S	40.21	40.21	1770.45	-21.42	1.266
54-24-S	40.21	40.21	1771.46	-19.61	1.143
54-25-S	40.21	40.21	1772.25	-18.18	1.045
54-26-S	48.25	40.21	2121.40	-20.61	1.166
54-27-S	48.25	40.21	2121.38	-20.63	1.151
54-28-S	48.25	40.21	2121.31	-20.77	1.145
54-29-S	48.25	40.21	2121.22	-20.93	1.139
54-30-S	48.25	40.21	2121.15	-21.06	1.132
54-31-S	48.25	40.21	2120.66	-21.94	1.179
54-32-S	40.21	40.21	1771.42	-19.67	1.062
54-33-S	40.21	40.21	1770.64	-21.09	1.144
54-34-S	40.21	40.21	1769.81	-22.57	1.228
54-35-S	40.21	40.21	1769.16	-23.75	1.289
54-36-S	40.21	40.21	1769.81	-22.58	1.228
54-37-S	40.21	40.21	1770.63	-21.09	1.144
54-38-S	40.21	40.21	1771.42	-19.68	1.061
54-39-S	48.25	40.21	2120.65	-21.96	1.179
54-40-S	48.25	40.21	2121.14	-21.07	1.132
54-41-S	48.25	40.21	2121.21	-20.94	1.138
54-42-S	48.25	40.21	2121.30	-20.78	1.144
54-43-S	48.25	40.21	2121.38	-20.64	1.150
54-44-S	48.25	40.21	2121.39	-20.62	1.165
54-45-S	40.21	40.21	1772.24	-18.19	1.044
54-46-S	40.21	40.21	1771.46	-19.61	1.142
54-47-S	40.21	40.21	1770.46	-21.41	1.264
54-48-S	40.21	40.21	1769.29	-23.51	1.408
54-49-S	40.21	40.21	1768.39	-25.12	1.526
54-50-S	40.21	40.21	1775.72	-11.92	1.502
54-51-S	40.21	40.21	1774.22	-14.63	1.419
54-52-S	40.21	40.21	1772.86	-17.08	1.308
54-53-S	40.21	40.21	1771.91	-18.78	1.207
54-54-S	40.21	40.21	1772.16	-18.34	1.220

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
54-55-S	40.21	40.21	1772.44	-17.83	1.236
54-56-S	40.21	40.21	1773.05	-16.74	1.249
54-57-S	40.21	40.21	1773.94	-15.13	1.262
54-58-S	40.21	40.21	1773.77	-15.44	1.291
54-59-S	40.21	40.21	1773.72	-15.53	1.323
54-60-S	40.21	40.21	1773.87	-15.26	1.358
54-61-S	40.21	40.21	1774.21	-14.64	1.393
54-62-S	40.21	40.21	1774.48	-14.16	1.427
54-63-S	40.21	40.21	1774.35	-14.40	1.454
54-64-S	40.21	40.21	1774.15	-14.76	1.482
54-65-S	32.17	32.17	1419.61	-12.18	1.398
54-66-S	24.13	24.13	1064.90	-9.74	1.285
54-67-S	16.08	16.08	710.24	-6.97	1.130
54-68-S	16.08	8.04	703.13	-7.10	1.703
54-69-S	8.04	8.04	354.30	-3.68	1.742
55-1-S	16.08	8.04	696.33	-9.32	5.251
55-2-S	8.04	8.04	354.60	-4.73	1.261
55-3-S	16.08	16.08	707.90	-9.42	1.674
55-4-S	16.08	16.08	708.74	-9.56	1.280
55-5-S	24.13	24.13	1061.76	-14.60	1.549
55-6-S	32.17	32.17	1414.68	-19.81	1.722
55-7-S	32.17	32.17	1415.41	-20.16	1.471
55-8-S	40.21	40.21	1768.13	-25.48	1.635
55-9-S	40.21	40.21	1768.24	-25.40	1.597
55-10-S	40.21	40.21	1768.39	-25.12	1.569
55-11-S	40.21	40.21	1768.65	-24.65	1.540
55-12-S	40.21	40.21	1768.98	-24.06	1.504
55-13-S	40.21	40.21	1769.25	-23.57	1.450
55-14-S	40.21	40.21	1769.48	-23.16	1.403
55-15-S	40.21	40.21	1769.66	-22.84	1.359
55-16-S	40.21	40.21	1769.73	-22.71	1.322
55-17-S	40.21	40.21	1770.00	-22.23	1.258
55-18-S	40.21	40.21	1770.13	-22.00	1.212
55-19-S	40.21	40.21	1770.19	-21.89	1.174
55-20-S	40.21	40.21	1770.26	-21.77	1.137
55-21-S	40.21	40.21	1770.31	-21.67	1.105
55-22-S	40.21	40.21	1770.20	-21.88	1.101
55-23-S	40.21	40.21	1770.13	-22.00	1.106
55-24-S	40.21	40.21	1770.12	-22.02	1.114
55-25-S	40.21	40.21	1770.11	-22.03	1.124
55-26-S	40.21	40.21	1769.85	-22.50	1.159
55-27-S	40.21	40.21	1769.35	-23.40	1.220
55-28-S	40.21	40.21	1769.14	-23.78	1.244
55-29-S	40.21	40.21	1769.14	-23.78	1.244
55-30-S	40.21	40.21	1769.14	-23.78	1.244
55-31-S	40.21	40.21	1769.35	-23.40	1.220
55-32-S	40.21	40.21	1769.85	-22.50	1.159
55-33-S	40.21	40.21	1770.11	-22.03	1.123
55-34-S	40.21	40.21	1770.12	-22.02	1.113
55-35-S	40.21	40.21	1770.13	-22.00	1.105
55-36-S	40.21	40.21	1770.20	-21.87	1.100
55-37-S	40.21	40.21	1770.31	-21.67	1.104
55-38-S	40.21	40.21	1770.26	-21.76	1.136
55-39-S	40.21	40.21	1770.19	-21.88	1.173
55-40-S	40.21	40.21	1770.14	-21.98	1.210
55-41-S	40.21	40.21	1770.01	-22.20	1.256
55-42-S	40.21	40.21	1769.75	-22.69	1.319
55-43-S	40.21	40.21	1769.68	-22.81	1.356
55-44-S	40.21	40.21	1769.50	-23.12	1.399
55-45-S	40.21	40.21	1774.66	-13.83	1.409
55-46-S	40.21	40.21	1773.55	-15.83	1.392
55-47-S	40.21	40.21	1773.15	-16.55	1.391
55-48-S	40.21	40.21	1773.02	-16.78	1.393
55-49-S	40.21	40.21	1773.03	-16.77	1.395
55-50-S	40.21	40.21	1773.09	-16.53	1.409
55-51-S	32.17	32.17	1419.39	-13.00	1.250
55-52-S	32.17	32.17	1418.38	-13.16	1.438
55-53-S	24.13	24.13	1064.31	-10.00	1.272
55-54-S	16.08	16.08	710.30	-6.76	1.033
55-55-S	16.08	16.08	709.38	-6.75	1.324
55-56-S	24.13	8.04	1038.71	-9.69	2.824
55-57-S	16.08	8.04	697.80	-6.51	3.867
56-1-S	8.04	8.04	353.02	-5.14	3.659
56-2-S	8.04	8.04	353.51	-5.01	1.794
56-3-S	16.08	8.04	699.46	-9.64	2.317
56-4-S	16.08	8.04	701.57	-9.41	1.707
56-5-S	16.08	16.08	707.99	-9.31	1.376
56-6-S	16.08	16.08	708.47	-9.31	1.164
56-7-S	16.08	16.08	708.92	-9.37	1.002
56-8-S	24.13	24.13	1061.66	-14.12	1.308
56-9-S	24.13	24.13	1062.10	-14.21	1.154
56-10-S	24.13	24.13	1062.55	-14.26	1.031
56-11-S	32.17	32.17	1415.08	-19.02	1.280
56-12-S	32.17	32.17	1415.32	-19.11	1.209
56-13-S	32.17	32.17	1415.54	-19.23	1.152
56-14-S	32.17	32.17	1415.77	-19.34	1.100
56-15-S	32.17	32.17	1416.00	-19.44	1.059
56-16-S	32.17	32.17	1416.17	-19.47	1.043
56-17-S	32.17	32.17	1416.33	-19.35	1.037

Is	Afi [cmq]	Afs [cmq]	Mu [kNm]	Nu [kN]	FS
56-18-S	32.17	32.17	1416.57	-19.08	1.028
56-19-S	40.21	40.21	1769.15	-23.42	1.272
56-20-S	40.21	40.21	1769.40	-23.13	1.259
56-21-S	40.21	40.21	1769.55	-23.04	1.245
56-22-S	40.21	40.21	1769.40	-23.13	1.259
56-23-S	40.21	40.21	1769.15	-23.42	1.272
56-24-S	32.17	32.17	1416.57	-19.08	1.028
56-25-S	32.17	32.17	1416.33	-19.34	1.037
56-26-S	32.17	32.17	1416.17	-19.46	1.042
56-27-S	32.17	32.17	1416.00	-19.43	1.058
56-28-S	32.17	32.17	1415.77	-19.34	1.099
56-29-S	32.17	32.17	1415.55	-19.22	1.150
56-30-S	32.17	32.17	1415.33	-19.10	1.207
56-31-S	32.17	32.17	1415.09	-19.01	1.278
56-32-S	24.13	24.13	1062.55	-14.25	1.029
56-33-S	24.13	24.13	1062.11	-14.20	1.152
56-34-S	24.13	24.13	1061.67	-14.11	1.306
56-35-S	24.13	16.08	1056.52	-13.95	1.490
56-36-S	24.13	16.08	1055.64	-13.85	1.730
56-37-S	24.13	16.08	1054.69	-13.84	2.045
56-38-S	16.08	8.04	704.00	-4.95	1.677
56-39-S	16.08	8.04	701.78	-5.21	2.222
56-40-S	8.04	8.04	354.75	-2.77	1.679
56-41-S	8.04	8.04	354.26	-2.91	3.343

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	0.00	41998.76	0.00	0.00	0.00	41998.76	1000.000 (1)

Dimensioni fondazione rettangolare equivalente

Simbologia adottata

Ic	Indice combinazione
B	Larghezza base equivalente, espresso in [m]
L	Lunghezza base equivalente, espresso in [m]
D	Quota piano di posa, espressa in [m]

B [m]	L [m]	D [m]
24.79	24.79	2.50

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)

Pali

Numero pali	20
Somma portanza laterale	41592.1 [kN]
Portanza laterale del gruppo	39170.5 [kN]
Efficienza palificata	0.94
Somma portanza di punta	258246.7 [kN]
Somma portanze totali	297417.2 [kN]
Somma portanza trasversale	7887.0 [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 _f	Area di armatura espressa in [cmq]
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/cmq]
p _r	pressione limite espressa in [kg/cmq]
w	cedimento in testa espresso in [cm]

Risultati inviluppo

Spostamenti

Simbologia adottata

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

Palo n° 1

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.0918 (1)	0.4001 (1)	0.092 (1)	0.400 (1)
11	3.00	0.0778 (1)	0.3388 (1)	0.078 (1)	0.339 (1)
21	6.00	0.0526 (1)	0.2287 (1)	0.053 (1)	0.229 (1)
31	9.00	0.0290 (1)	0.1260 (1)	0.029 (1)	0.126 (1)
41	12.00	0.0120 (1)	0.0520 (1)	0.012 (1)	0.052 (1)
51	15.00	0.0019 (1)	0.0084 (1)	0.002 (1)	0.008 (1)
61	18.00	-0.0027 (1)	-0.0120 (1)	-0.003 (1)	-0.012 (1)
71	21.00	-0.0040 (1)	-0.0176 (1)	-0.004 (1)	-0.018 (1)
81	24.00	-0.0036 (1)	-0.0158 (1)	-0.004 (1)	-0.016 (1)
91	27.00	-0.0025 (1)	-0.0110 (1)	-0.003 (1)	-0.011 (1)
101	30.00	-0.0013 (1)	-0.0056 (1)	-0.001 (1)	-0.006 (1)

Palo n° 2

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.0921 (1)	0.4001 (1)	0.092 (1)	0.400 (1)
11	3.00	0.0781 (1)	0.3388 (1)	0.078 (1)	0.339 (1)
21	6.00	0.0527 (1)	0.2287 (1)	0.053 (1)	0.229 (1)
31	9.00	0.0291 (1)	0.1260 (1)	0.029 (1)	0.126 (1)
41	12.00	0.0120 (1)	0.0520 (1)	0.012 (1)	0.052 (1)
51	15.00	0.0019 (1)	0.0084 (1)	0.002 (1)	0.008 (1)
61	18.00	-0.0027 (1)	-0.0120 (1)	-0.003 (1)	-0.012 (1)
71	21.00	-0.0041 (1)	-0.0176 (1)	-0.004 (1)	-0.018 (1)
81	24.00	-0.0036 (1)	-0.0158 (1)	-0.004 (1)	-0.016 (1)
91	27.00	-0.0025 (1)	-0.0110 (1)	-0.003 (1)	-0.011 (1)
101	30.00	-0.0013 (1)	-0.0056 (1)	-0.001 (1)	-0.006 (1)

Palo n° 3

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.0929 (1)	0.4001 (1)	0.093 (1)	0.400 (1)
11	3.00	0.0788 (1)	0.3388 (1)	0.079 (1)	0.339 (1)
21	6.00	0.0532 (1)	0.2287 (1)	0.053 (1)	0.229 (1)
31	9.00	0.0293 (1)	0.1260 (1)	0.029 (1)	0.126 (1)
41	12.00	0.0121 (1)	0.0520 (1)	0.012 (1)	0.052 (1)
51	15.00	0.0020 (1)	0.0084 (1)	0.002 (1)	0.008 (1)
61	18.00	-0.0028 (1)	-0.0120 (1)	-0.003 (1)	-0.012 (1)
71	21.00	-0.0041 (1)	-0.0176 (1)	-0.004 (1)	-0.018 (1)
81	24.00	-0.0037 (1)	-0.0158 (1)	-0.004 (1)	-0.016 (1)
91	27.00	-0.0026 (1)	-0.0110 (1)	-0.003 (1)	-0.011 (1)
101	30.00	-0.0013 (1)	-0.0056 (1)	-0.001 (1)	-0.006 (1)

Palo n° 4

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.0941 (1)	0.4001 (1)	0.094 (1)	0.400 (1)
11	3.00	0.0798 (1)	0.3388 (1)	0.080 (1)	0.339 (1)
21	6.00	0.0539 (1)	0.2287 (1)	0.054 (1)	0.229 (1)
31	9.00	0.0297 (1)	0.1260 (1)	0.030 (1)	0.126 (1)
41	12.00	0.0123 (1)	0.0520 (1)	0.012 (1)	0.052 (1)
51	15.00	0.0020 (1)	0.0084 (1)	0.002 (1)	0.008 (1)
61	18.00	-0.0028 (1)	-0.0120 (1)	-0.003 (1)	-0.012 (1)
71	21.00	-0.0041 (1)	-0.0176 (1)	-0.004 (1)	-0.018 (1)
81	24.00	-0.0037 (1)	-0.0158 (1)	-0.004 (1)	-0.016 (1)
91	27.00	-0.0026 (1)	-0.0110 (1)	-0.003 (1)	-0.011 (1)
101	30.00	-0.0013 (1)	-0.0056 (1)	-0.001 (1)	-0.006 (1)

Palo n° 5

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.0954 (1)	0.4001 (1)	0.095 (1)	0.400 (1)
11	3.00	0.0809 (1)	0.3388 (1)	0.081 (1)	0.339 (1)
21	6.00	0.0547 (1)	0.2287 (1)	0.055 (1)	0.229 (1)
31	9.00	0.0301 (1)	0.1260 (1)	0.030 (1)	0.126 (1)
41	12.00	0.0125 (1)	0.0520 (1)	0.012 (1)	0.052 (1)
51	15.00	0.0020 (1)	0.0084 (1)	0.002 (1)	0.008 (1)
61	18.00	-0.0028 (1)	-0.0120 (1)	-0.003 (1)	-0.012 (1)
71	21.00	-0.0042 (1)	-0.0176 (1)	-0.004 (1)	-0.018 (1)
81	24.00	-0.0038 (1)	-0.0158 (1)	-0.004 (1)	-0.016 (1)
91	27.00	-0.0026 (1)	-0.0110 (1)	-0.003 (1)	-0.011 (1)
101	30.00	-0.0013 (1)	-0.0056 (1)	-0.001 (1)	-0.006 (1)

Palo n° 6

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.0967 (1)	0.4001 (1)	0.097 (1)	0.400 (1)

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cm²]	Pr [kg/cm²]
11	3.00	0.0820 (1)	0.3388 (1)	0.082 (1)	0.339 (1)
21	6.00	0.0554 (1)	0.2287 (1)	0.055 (1)	0.229 (1)
31	9.00	0.0306 (1)	0.1260 (1)	0.031 (1)	0.126 (1)
41	12.00	0.0126 (1)	0.0520 (1)	0.013 (1)	0.052 (1)
51	15.00	0.0020 (1)	0.0084 (1)	0.002 (1)	0.008 (1)
61	18.00	-0.0029 (1)	-0.0120 (1)	-0.003 (1)	-0.012 (1)
71	21.00	-0.0043 (1)	-0.0176 (1)	-0.004 (1)	-0.018 (1)
81	24.00	-0.0038 (1)	-0.0158 (1)	-0.004 (1)	-0.016 (1)
91	27.00	-0.0027 (1)	-0.0110 (1)	-0.003 (1)	-0.011 (1)
101	30.00	-0.0014 (1)	-0.0056 (1)	-0.001 (1)	-0.006 (1)

Palo n° 7

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cm²]	Pr [kg/cm²]
1	0.00	0.0978 (1)	0.4001 (1)	0.098 (1)	0.400 (1)
11	3.00	0.0830 (1)	0.3388 (1)	0.083 (1)	0.339 (1)
21	6.00	0.0560 (1)	0.2287 (1)	0.056 (1)	0.229 (1)
31	9.00	0.0309 (1)	0.1260 (1)	0.031 (1)	0.126 (1)
41	12.00	0.0128 (1)	0.0520 (1)	0.013 (1)	0.052 (1)
51	15.00	0.0021 (1)	0.0084 (1)	0.002 (1)	0.008 (1)
61	18.00	-0.0029 (1)	-0.0120 (1)	-0.003 (1)	-0.012 (1)
71	21.00	-0.0043 (1)	-0.0176 (1)	-0.004 (1)	-0.018 (1)
81	24.00	-0.0039 (1)	-0.0158 (1)	-0.004 (1)	-0.016 (1)
91	27.00	-0.0027 (1)	-0.0110 (1)	-0.003 (1)	-0.011 (1)
101	30.00	-0.0014 (1)	-0.0056 (1)	-0.001 (1)	-0.006 (1)

Palo n° 8

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cm²]	Pr [kg/cm²]
1	0.00	0.0987 (1)	0.4001 (1)	0.099 (1)	0.400 (1)
11	3.00	0.0837 (1)	0.3388 (1)	0.084 (1)	0.339 (1)
21	6.00	0.0565 (1)	0.2287 (1)	0.057 (1)	0.229 (1)
31	9.00	0.0312 (1)	0.1260 (1)	0.031 (1)	0.126 (1)
41	12.00	0.0129 (1)	0.0520 (1)	0.013 (1)	0.052 (1)
51	15.00	0.0021 (1)	0.0084 (1)	0.002 (1)	0.008 (1)
61	18.00	-0.0029 (1)	-0.0120 (1)	-0.003 (1)	-0.012 (1)
71	21.00	-0.0043 (1)	-0.0176 (1)	-0.004 (1)	-0.018 (1)
81	24.00	-0.0039 (1)	-0.0158 (1)	-0.004 (1)	-0.016 (1)
91	27.00	-0.0027 (1)	-0.0110 (1)	-0.003 (1)	-0.011 (1)
101	30.00	-0.0014 (1)	-0.0056 (1)	-0.001 (1)	-0.006 (1)

Palo n° 9

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cm²]	Pr [kg/cm²]
1	0.00	0.0992 (1)	0.4001 (1)	0.099 (1)	0.400 (1)
11	3.00	0.0842 (1)	0.3388 (1)	0.084 (1)	0.339 (1)
21	6.00	0.0569 (1)	0.2287 (1)	0.057 (1)	0.229 (1)
31	9.00	0.0314 (1)	0.1260 (1)	0.031 (1)	0.126 (1)
41	12.00	0.0130 (1)	0.0520 (1)	0.013 (1)	0.052 (1)
51	15.00	0.0021 (1)	0.0084 (1)	0.002 (1)	0.008 (1)
61	18.00	-0.0030 (1)	-0.0120 (1)	-0.003 (1)	-0.012 (1)
71	21.00	-0.0044 (1)	-0.0176 (1)	-0.004 (1)	-0.018 (1)
81	24.00	-0.0039 (1)	-0.0158 (1)	-0.004 (1)	-0.016 (1)
91	27.00	-0.0027 (1)	-0.0110 (1)	-0.003 (1)	-0.011 (1)
101	30.00	-0.0014 (1)	-0.0056 (1)	-0.001 (1)	-0.006 (1)

Palo n° 10

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cm²]	Pr [kg/cm²]
1	0.00	0.0996 (1)	0.4001 (1)	0.100 (1)	0.400 (1)
11	3.00	0.0844 (1)	0.3388 (1)	0.084 (1)	0.339 (1)
21	6.00	0.0571 (1)	0.2287 (1)	0.057 (1)	0.229 (1)
31	9.00	0.0315 (1)	0.1260 (1)	0.031 (1)	0.126 (1)
41	12.00	0.0130 (1)	0.0520 (1)	0.013 (1)	0.052 (1)
51	15.00	0.0021 (1)	0.0084 (1)	0.002 (1)	0.008 (1)
61	18.00	-0.0030 (1)	-0.0120 (1)	-0.003 (1)	-0.012 (1)
71	21.00	-0.0044 (1)	-0.0176 (1)	-0.004 (1)	-0.018 (1)
81	24.00	-0.0039 (1)	-0.0158 (1)	-0.004 (1)	-0.016 (1)
91	27.00	-0.0027 (1)	-0.0110 (1)	-0.003 (1)	-0.011 (1)
101	30.00	-0.0014 (1)	-0.0056 (1)	-0.001 (1)	-0.006 (1)

Palo n° 11

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cm²]	Pr [kg/cm²]
1	0.00	0.0997 (1)	0.4001 (1)	0.100 (1)	0.400 (1)
11	3.00	0.0845 (1)	0.3388 (1)	0.085 (1)	0.339 (1)
21	6.00	0.0571 (1)	0.2287 (1)	0.057 (1)	0.229 (1)
31	9.00	0.0315 (1)	0.1260 (1)	0.031 (1)	0.126 (1)
41	12.00	0.0130 (1)	0.0520 (1)	0.013 (1)	0.052 (1)
51	15.00	0.0021 (1)	0.0084 (1)	0.002 (1)	0.008 (1)

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
61	18.00	-0.0030 (1)	-0.0120 (1)	-0.003 (1)	-0.012 (1)
71	21.00	-0.0044 (1)	-0.0176 (1)	-0.004 (1)	-0.018 (1)
81	24.00	-0.0039 (1)	-0.0158 (1)	-0.004 (1)	-0.016 (1)
91	27.00	-0.0027 (1)	-0.0110 (1)	-0.003 (1)	-0.011 (1)
101	30.00	-0.0014 (1)	-0.0056 (1)	-0.001 (1)	-0.006 (1)

Palo n° 12

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.0996 (1)	0.4001 (1)	0.100 (1)	0.400 (1)
11	3.00	0.0844 (1)	0.3388 (1)	0.084 (1)	0.339 (1)
21	6.00	0.0571 (1)	0.2287 (1)	0.057 (1)	0.229 (1)
31	9.00	0.0315 (1)	0.1260 (1)	0.031 (1)	0.126 (1)
41	12.00	0.0130 (1)	0.0520 (1)	0.013 (1)	0.052 (1)
51	15.00	0.0021 (1)	0.0084 (1)	0.002 (1)	0.008 (1)
61	18.00	-0.0030 (1)	-0.0120 (1)	-0.003 (1)	-0.012 (1)
71	21.00	-0.0044 (1)	-0.0176 (1)	-0.004 (1)	-0.018 (1)
81	24.00	-0.0039 (1)	-0.0158 (1)	-0.004 (1)	-0.016 (1)
91	27.00	-0.0027 (1)	-0.0110 (1)	-0.003 (1)	-0.011 (1)
101	30.00	-0.0014 (1)	-0.0056 (1)	-0.001 (1)	-0.006 (1)

Palo n° 13

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.0992 (1)	0.4001 (1)	0.099 (1)	0.400 (1)
11	3.00	0.0842 (1)	0.3388 (1)	0.084 (1)	0.339 (1)
21	6.00	0.0569 (1)	0.2287 (1)	0.057 (1)	0.229 (1)
31	9.00	0.0314 (1)	0.1260 (1)	0.031 (1)	0.126 (1)
41	12.00	0.0130 (1)	0.0520 (1)	0.013 (1)	0.052 (1)
51	15.00	0.0021 (1)	0.0084 (1)	0.002 (1)	0.008 (1)
61	18.00	-0.0030 (1)	-0.0120 (1)	-0.003 (1)	-0.012 (1)
71	21.00	-0.0044 (1)	-0.0176 (1)	-0.004 (1)	-0.018 (1)
81	24.00	-0.0039 (1)	-0.0158 (1)	-0.004 (1)	-0.016 (1)
91	27.00	-0.0027 (1)	-0.0110 (1)	-0.003 (1)	-0.011 (1)
101	30.00	-0.0014 (1)	-0.0056 (1)	-0.001 (1)	-0.006 (1)

Palo n° 14

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.0987 (1)	0.4001 (1)	0.099 (1)	0.400 (1)
11	3.00	0.0837 (1)	0.3388 (1)	0.084 (1)	0.339 (1)
21	6.00	0.0565 (1)	0.2287 (1)	0.057 (1)	0.229 (1)
31	9.00	0.0312 (1)	0.1260 (1)	0.031 (1)	0.126 (1)
41	12.00	0.0129 (1)	0.0520 (1)	0.013 (1)	0.052 (1)
51	15.00	0.0021 (1)	0.0084 (1)	0.002 (1)	0.008 (1)
61	18.00	-0.0029 (1)	-0.0120 (1)	-0.003 (1)	-0.012 (1)
71	21.00	-0.0043 (1)	-0.0176 (1)	-0.004 (1)	-0.018 (1)
81	24.00	-0.0039 (1)	-0.0158 (1)	-0.004 (1)	-0.016 (1)
91	27.00	-0.0027 (1)	-0.0110 (1)	-0.003 (1)	-0.011 (1)
101	30.00	-0.0014 (1)	-0.0056 (1)	-0.001 (1)	-0.006 (1)

Palo n° 15

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.0978 (1)	0.4001 (1)	0.098 (1)	0.400 (1)
11	3.00	0.0830 (1)	0.3388 (1)	0.083 (1)	0.339 (1)
21	6.00	0.0560 (1)	0.2287 (1)	0.056 (1)	0.229 (1)
31	9.00	0.0309 (1)	0.1260 (1)	0.031 (1)	0.126 (1)
41	12.00	0.0128 (1)	0.0520 (1)	0.013 (1)	0.052 (1)
51	15.00	0.0021 (1)	0.0084 (1)	0.002 (1)	0.008 (1)
61	18.00	-0.0029 (1)	-0.0120 (1)	-0.003 (1)	-0.012 (1)
71	21.00	-0.0043 (1)	-0.0176 (1)	-0.004 (1)	-0.018 (1)
81	24.00	-0.0039 (1)	-0.0158 (1)	-0.004 (1)	-0.016 (1)
91	27.00	-0.0027 (1)	-0.0110 (1)	-0.003 (1)	-0.011 (1)
101	30.00	-0.0014 (1)	-0.0056 (1)	-0.001 (1)	-0.006 (1)

Palo n° 16

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cmq]	Pr [kg/cmq]
1	0.00	0.0967 (1)	0.4001 (1)	0.097 (1)	0.400 (1)
11	3.00	0.0820 (1)	0.3388 (1)	0.082 (1)	0.339 (1)
21	6.00	0.0554 (1)	0.2287 (1)	0.055 (1)	0.229 (1)
31	9.00	0.0306 (1)	0.1260 (1)	0.031 (1)	0.126 (1)
41	12.00	0.0126 (1)	0.0520 (1)	0.013 (1)	0.052 (1)
51	15.00	0.0020 (1)	0.0084 (1)	0.002 (1)	0.008 (1)
61	18.00	-0.0029 (1)	-0.0120 (1)	-0.003 (1)	-0.012 (1)
71	21.00	-0.0043 (1)	-0.0176 (1)	-0.004 (1)	-0.018 (1)
81	24.00	-0.0038 (1)	-0.0158 (1)	-0.004 (1)	-0.016 (1)
91	27.00	-0.0027 (1)	-0.0110 (1)	-0.003 (1)	-0.011 (1)
101	30.00	-0.0014 (1)	-0.0056 (1)	-0.001 (1)	-0.006 (1)

Palo n° 17

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cm ²]	Pr [kg/cm ²]
1	0.00	0.0954 (1)	0.4001 (1)	0.095 (1)	0.400 (1)
11	3.00	0.0809 (1)	0.3388 (1)	0.081 (1)	0.339 (1)
21	6.00	0.0547 (1)	0.2287 (1)	0.055 (1)	0.229 (1)
31	9.00	0.0301 (1)	0.1260 (1)	0.030 (1)	0.126 (1)
41	12.00	0.0125 (1)	0.0520 (1)	0.012 (1)	0.052 (1)
51	15.00	0.0020 (1)	0.0084 (1)	0.002 (1)	0.008 (1)
61	18.00	-0.0028 (1)	-0.0120 (1)	-0.003 (1)	-0.012 (1)
71	21.00	-0.0042 (1)	-0.0176 (1)	-0.004 (1)	-0.018 (1)
81	24.00	-0.0038 (1)	-0.0158 (1)	-0.004 (1)	-0.016 (1)
91	27.00	-0.0026 (1)	-0.0110 (1)	-0.003 (1)	-0.011 (1)
101	30.00	-0.0013 (1)	-0.0056 (1)	-0.001 (1)	-0.006 (1)

Palo n° 18

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cm ²]	Pr [kg/cm ²]
1	0.00	0.0941 (1)	0.4001 (1)	0.094 (1)	0.400 (1)
11	3.00	0.0798 (1)	0.3388 (1)	0.080 (1)	0.339 (1)
21	6.00	0.0539 (1)	0.2287 (1)	0.054 (1)	0.229 (1)
31	9.00	0.0297 (1)	0.1260 (1)	0.030 (1)	0.126 (1)
41	12.00	0.0123 (1)	0.0520 (1)	0.012 (1)	0.052 (1)
51	15.00	0.0020 (1)	0.0084 (1)	0.002 (1)	0.008 (1)
61	18.00	-0.0028 (1)	-0.0120 (1)	-0.003 (1)	-0.012 (1)
71	21.00	-0.0041 (1)	-0.0176 (1)	-0.004 (1)	-0.018 (1)
81	24.00	-0.0037 (1)	-0.0158 (1)	-0.004 (1)	-0.016 (1)
91	27.00	-0.0026 (1)	-0.0110 (1)	-0.003 (1)	-0.011 (1)
101	30.00	-0.0013 (1)	-0.0056 (1)	-0.001 (1)	-0.006 (1)

Palo n° 19

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cm ²]	Pr [kg/cm ²]
1	0.00	0.0929 (1)	0.4001 (1)	0.093 (1)	0.400 (1)
11	3.00	0.0788 (1)	0.3388 (1)	0.079 (1)	0.339 (1)
21	6.00	0.0532 (1)	0.2287 (1)	0.053 (1)	0.229 (1)
31	9.00	0.0293 (1)	0.1260 (1)	0.029 (1)	0.126 (1)
41	12.00	0.0121 (1)	0.0520 (1)	0.012 (1)	0.052 (1)
51	15.00	0.0020 (1)	0.0084 (1)	0.002 (1)	0.008 (1)
61	18.00	-0.0028 (1)	-0.0120 (1)	-0.003 (1)	-0.012 (1)
71	21.00	-0.0041 (1)	-0.0176 (1)	-0.004 (1)	-0.018 (1)
81	24.00	-0.0037 (1)	-0.0158 (1)	-0.004 (1)	-0.016 (1)
91	27.00	-0.0026 (1)	-0.0110 (1)	-0.003 (1)	-0.011 (1)
101	30.00	-0.0013 (1)	-0.0056 (1)	-0.001 (1)	-0.006 (1)

Palo n° 20

n°	Y [m]	Ue [cm]	Ur [cm]	Pe [kg/cm ²]	Pr [kg/cm ²]
1	0.00	0.0921 (1)	0.4001 (1)	0.092 (1)	0.400 (1)
11	3.00	0.0781 (1)	0.3388 (1)	0.078 (1)	0.339 (1)
21	6.00	0.0527 (1)	0.2287 (1)	0.053 (1)	0.229 (1)
31	9.00	0.0291 (1)	0.1260 (1)	0.029 (1)	0.126 (1)
41	12.00	0.0120 (1)	0.0520 (1)	0.012 (1)	0.052 (1)
51	15.00	0.0019 (1)	0.0084 (1)	0.002 (1)	0.008 (1)
61	18.00	-0.0027 (1)	-0.0120 (1)	-0.003 (1)	-0.012 (1)
71	21.00	-0.0041 (1)	-0.0176 (1)	-0.004 (1)	-0.018 (1)
81	24.00	-0.0036 (1)	-0.0158 (1)	-0.004 (1)	-0.016 (1)
91	27.00	-0.0025 (1)	-0.0110 (1)	-0.003 (1)	-0.011 (1)
101	30.00	-0.0013 (1)	-0.0056 (1)	-0.001 (1)	-0.006 (1)

Sollecitazioni

Simbologia adottata

n°	Identificativo sezione
Y	ordinata della sezione a partire dalla testa positiva verso il basso, espressa in [m]
Nr	sforzo normale a rottura, espresso in [kN]
N	sforzo normale, espresso in [kN]
Tr	taglio a rottura, espresso in [kN]
T	taglio, espresso in [kN]
Mr	momento a rottura, espresso in [kNm]
M	momento, espresso in [kNm]

Palo n° 1

n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
1	0.00	3742.27 (2)	14981.54 (1)	90.63 (1)	394.35 (1)	306.47 (1)	1331.51 (1)
11	3.00	3802.31 (2)	14773.58 (1)	50.72 (1)	220.55 (1)	93.47 (1)	405.08 (1)
21	6.00	3862.34 (2)	14565.62 (1)	22.40 (1)	97.28 (1)	-17.67 (1)	-77.97 (1)
31	9.00	3922.38 (2)	14357.66 (1)	5.11 (1)	22.11 (1)	-58.97 (1)	-257.21 (1)
41	12.00	3982.41 (2)	14149.70 (1)	-3.28 (1)	-14.38 (1)	-61.16 (1)	-266.37 (1)
51	15.00	4042.45 (2)	13941.74 (1)	-5.90 (1)	-25.73 (1)	-46.71 (1)	-203.30 (1)
61	18.00	4102.48 (2)	13733.78 (1)	-5.47 (1)	-23.80 (1)	-29.11 (1)	-126.61 (1)
71	21.00	4162.52 (2)	13525.82 (1)	-3.85 (1)	-16.76 (1)	-14.76 (1)	-64.17 (1)
81	24.00	4222.55 (2)	13317.86 (1)	-2.13 (1)	-9.26 (1)	-5.58 (1)	-24.25 (1)
91	27.00	4282.59 (2)	13109.90 (1)	-0.79 (1)	-3.42 (1)	-1.12 (1)	-4.88 (1)
101	30.00	4342.62 (2)	12922.73 (1)	-0.03 (1)	-0.12 (1)	0.00 (0)	0.00 (1)

Palo n° 2

n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
1	0.00	3654.13 (2)	14981.54 (1)	90.93 (1)	394.35 (1)	307.48 (1)	1331.51 (1)
11	3.00	3715.39 (2)	14773.58 (1)	50.89 (1)	220.55 (1)	93.78 (1)	405.08 (1)
21	6.00	3776.64 (2)	14565.62 (1)	22.47 (1)	97.28 (1)	-17.72 (1)	-77.97 (1)
31	9.00	3837.90 (2)	14357.66 (1)	5.13 (1)	22.11 (1)	-59.17 (1)	-257.21 (1)
41	12.00	3899.16 (2)	14149.70 (1)	-3.29 (1)	-14.38 (1)	-61.36 (1)	-266.37 (1)
51	15.00	3960.42 (2)	13941.74 (1)	-5.92 (1)	-25.73 (1)	-46.87 (1)	-203.30 (1)
61	18.00	4021.67 (2)	13733.78 (1)	-5.48 (1)	-23.80 (1)	-29.20 (1)	-126.61 (1)
71	21.00	4082.93 (2)	13525.82 (1)	-3.87 (1)	-16.76 (1)	-14.81 (1)	-64.17 (1)
81	24.00	4144.19 (2)	13317.86 (1)	-2.14 (1)	-9.26 (1)	-5.60 (1)	-24.25 (1)
91	27.00	4205.45 (2)	13109.90 (1)	-0.79 (1)	-3.42 (1)	-1.13 (1)	-4.88 (1)
101	30.00	4266.70 (2)	12922.73 (1)	-0.03 (1)	-0.12 (1)	0.00 (0)	0.00 (1)

Palo n° 3

n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
1	0.00	3402.43 (2)	14981.54 (1)	91.76 (1)	394.35 (1)	310.28 (1)	1331.51 (1)
11	3.00	3467.18 (2)	14773.58 (1)	51.35 (1)	220.55 (1)	94.63 (1)	405.08 (1)
21	6.00	3531.93 (2)	14565.62 (1)	22.68 (1)	97.28 (1)	-17.88 (1)	-77.97 (1)
31	9.00	3596.68 (2)	14357.66 (1)	5.18 (1)	22.11 (1)	-59.70 (1)	-257.21 (1)
41	12.00	3661.43 (2)	14149.70 (1)	-3.32 (1)	-14.38 (1)	-61.92 (1)	-266.37 (1)
51	15.00	3726.17 (2)	13941.74 (1)	-5.98 (1)	-25.73 (1)	-47.29 (1)	-203.30 (1)
61	18.00	3790.92 (2)	13733.78 (1)	-5.53 (1)	-23.80 (1)	-29.47 (1)	-126.61 (1)
71	21.00	3855.67 (2)	13525.82 (1)	-3.90 (1)	-16.76 (1)	-14.94 (1)	-64.17 (1)
81	24.00	3920.42 (2)	13317.86 (1)	-2.16 (1)	-9.26 (1)	-5.65 (1)	-24.25 (1)
91	27.00	3985.17 (2)	13109.90 (1)	-0.80 (1)	-3.42 (1)	-1.14 (1)	-4.88 (1)
101	30.00	4049.92 (2)	12922.73 (1)	-0.03 (1)	-0.12 (1)	0.00 (0)	0.00 (1)

Palo n° 4

n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
1	0.00	3896.75 (1)	14981.54 (1)	92.94 (1)	394.35 (1)	314.27 (1)	1331.51 (1)
11	3.00	3954.64 (1)	14773.58 (1)	52.01 (1)	220.55 (1)	95.85 (1)	405.08 (1)
21	6.00	4012.54 (1)	14565.62 (1)	22.97 (1)	97.28 (1)	-18.11 (1)	-77.97 (1)
31	9.00	4070.43 (1)	14357.66 (1)	5.24 (1)	22.11 (1)	-60.47 (1)	-257.21 (1)
41	12.00	4128.32 (1)	14149.70 (1)	-3.37 (1)	-14.38 (1)	-62.72 (1)	-266.37 (1)
51	15.00	4186.21 (1)	13941.74 (1)	-6.05 (1)	-25.73 (1)	-47.90 (1)	-203.30 (1)
61	18.00	4244.10 (1)	13733.78 (1)	-5.61 (1)	-23.80 (1)	-29.85 (1)	-126.61 (1)
71	21.00	4302.00 (1)	13525.82 (1)	-3.95 (1)	-16.76 (1)	-15.14 (1)	-64.17 (1)
81	24.00	4359.89 (1)	13317.86 (1)	-2.19 (1)	-9.26 (1)	-5.72 (1)	-24.25 (1)
91	27.00	4417.78 (1)	13109.90 (1)	-0.81 (1)	-3.42 (1)	-1.15 (1)	-4.88 (1)
101	30.00	4475.67 (1)	12922.73 (1)	-0.03 (1)	-0.12 (1)	0.00 (0)	0.00 (1)

Palo n° 5

n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
1	0.00	4213.92 (1)	14981.54 (1)	94.25 (1)	394.35 (1)	318.71 (1)	1331.51 (1)
11	3.00	4267.41 (1)	14773.58 (1)	52.75 (1)	220.55 (1)	97.21 (1)	405.08 (1)



n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
21	6.00	4320.91 (1)	14565.62 (1)	23.29 (1)	97.28 (1)	-18.37 (1)	-77.97 (1)
31	9.00	4374.40 (1)	14357.66 (1)	5.32 (1)	22.11 (1)	-61.33 (1)	-257.21 (1)
41	12.00	4427.89 (1)	14149.70 (1)	-3.42 (1)	-14.38 (1)	-63.60 (1)	-266.37 (1)
51	15.00	4481.38 (1)	13941.74 (1)	-6.14 (1)	-25.73 (1)	-48.58 (1)	-203.30 (1)
61	18.00	4534.88 (1)	13733.78 (1)	-5.68 (1)	-23.80 (1)	-30.27 (1)	-126.61 (1)
71	21.00	4588.37 (1)	13525.82 (1)	-4.01 (1)	-16.76 (1)	-15.35 (1)	-64.17 (1)
81	24.00	4641.86 (1)	13317.86 (1)	-2.22 (1)	-9.26 (1)	-5.80 (1)	-24.25 (1)
91	27.00	4695.35 (1)	13109.90 (1)	-0.82 (1)	-3.42 (1)	-1.17 (1)	-4.88 (1)
101	30.00	4748.85 (1)	12922.73 (1)	-0.03 (1)	-0.12 (1)	0.00 (0)	0.00 (1)

Palo n° 6

n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
1	0.00	4325.46 (1)	14981.54 (1)	95.53 (1)	394.35 (1)	323.03 (1)	1331.51 (1)
11	3.00	4377.40 (1)	14773.58 (1)	53.47 (1)	220.55 (1)	98.52 (1)	405.08 (1)
21	6.00	4429.35 (1)	14565.62 (1)	23.61 (1)	97.28 (1)	-18.62 (1)	-77.97 (1)
31	9.00	4481.29 (1)	14357.66 (1)	5.39 (1)	22.11 (1)	-62.16 (1)	-257.21 (1)
41	12.00	4533.24 (1)	14149.70 (1)	-3.46 (1)	-14.38 (1)	-64.47 (1)	-266.37 (1)
51	15.00	4585.18 (1)	13941.74 (1)	-6.22 (1)	-25.73 (1)	-49.24 (1)	-203.30 (1)
61	18.00	4637.13 (1)	13733.78 (1)	-5.76 (1)	-23.80 (1)	-30.68 (1)	-126.61 (1)
71	21.00	4689.07 (1)	13525.82 (1)	-4.06 (1)	-16.76 (1)	-15.56 (1)	-64.17 (1)
81	24.00	4741.02 (1)	13317.86 (1)	-2.25 (1)	-9.26 (1)	-5.88 (1)	-24.25 (1)
91	27.00	4792.96 (1)	13109.90 (1)	-0.83 (1)	-3.42 (1)	-1.19 (1)	-4.88 (1)
101	30.00	4844.91 (1)	12922.73 (1)	-0.03 (1)	-0.12 (1)	0.00 (0)	0.00 (1)

Palo n° 7

n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
1	0.00	4213.84 (1)	14981.54 (1)	96.62 (1)	394.35 (1)	326.73 (1)	1331.51 (1)
11	3.00	4267.34 (1)	14773.58 (1)	54.08 (1)	220.55 (1)	99.65 (1)	405.08 (1)
21	6.00	4320.83 (1)	14565.62 (1)	23.88 (1)	97.28 (1)	-18.83 (1)	-77.97 (1)
31	9.00	4374.32 (1)	14357.66 (1)	5.45 (1)	22.11 (1)	-62.87 (1)	-257.21 (1)
41	12.00	4427.82 (1)	14149.70 (1)	-3.50 (1)	-14.38 (1)	-65.20 (1)	-266.37 (1)
51	15.00	4481.31 (1)	13941.74 (1)	-6.29 (1)	-25.73 (1)	-49.80 (1)	-203.30 (1)
61	18.00	4534.80 (1)	13733.78 (1)	-5.83 (1)	-23.80 (1)	-31.03 (1)	-126.61 (1)
71	21.00	4588.30 (1)	13525.82 (1)	-4.11 (1)	-16.76 (1)	-15.74 (1)	-64.17 (1)
81	24.00	4641.79 (1)	13317.86 (1)	-2.27 (1)	-9.26 (1)	-5.95 (1)	-24.25 (1)
91	27.00	4695.29 (1)	13109.90 (1)	-0.84 (1)	-3.42 (1)	-1.20 (1)	-4.88 (1)
101	30.00	4748.78 (1)	12922.73 (1)	-0.03 (1)	-0.12 (1)	0.00 (0)	0.00 (1)

Palo n° 8

n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
1	0.00	3896.64 (1)	14981.54 (1)	97.47 (1)	394.35 (1)	329.59 (1)	1331.51 (1)
11	3.00	3954.54 (1)	14773.58 (1)	54.55 (1)	220.55 (1)	100.52 (1)	405.08 (1)
21	6.00	4012.43 (1)	14565.62 (1)	24.09 (1)	97.28 (1)	-19.00 (1)	-77.97 (1)
31	9.00	4070.32 (1)	14357.66 (1)	5.50 (1)	22.11 (1)	-63.42 (1)	-257.21 (1)
41	12.00	4128.22 (1)	14149.70 (1)	-3.53 (1)	-14.38 (1)	-65.77 (1)	-266.37 (1)
51	15.00	4186.11 (1)	13941.74 (1)	-6.35 (1)	-25.73 (1)	-50.24 (1)	-203.30 (1)
61	18.00	4244.01 (1)	13733.78 (1)	-5.88 (1)	-23.80 (1)	-31.30 (1)	-126.61 (1)
71	21.00	4301.90 (1)	13525.82 (1)	-4.14 (1)	-16.76 (1)	-15.88 (1)	-64.17 (1)
81	24.00	4359.79 (1)	13317.86 (1)	-2.29 (1)	-9.26 (1)	-6.00 (1)	-24.25 (1)
91	27.00	4417.69 (1)	13109.90 (1)	-0.85 (1)	-3.42 (1)	-1.21 (1)	-4.88 (1)
101	30.00	4475.58 (1)	12922.73 (1)	-0.03 (1)	-0.12 (1)	0.00 (0)	0.00 (1)

Palo n° 9

n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
1	0.00	3395.52 (1)	14981.54 (1)	98.03 (1)	394.35 (1)	331.50 (1)	1331.51 (1)
11	3.00	3460.36 (1)	14773.58 (1)	54.87 (1)	220.55 (1)	101.11 (1)	405.08 (1)
21	6.00	3525.21 (1)	14565.62 (1)	24.23 (1)	97.28 (1)	-19.11 (1)	-77.97 (1)
31	9.00	3590.05 (1)	14357.66 (1)	5.53 (1)	22.11 (1)	-63.79 (1)	-257.21 (1)
41	12.00	3654.90 (1)	14149.70 (1)	-3.55 (1)	-14.38 (1)	-66.16 (1)	-266.37 (1)
51	15.00	3719.74 (1)	13941.74 (1)	-6.39 (1)	-25.73 (1)	-50.53 (1)	-203.30 (1)
61	18.00	3784.59 (1)	13733.78 (1)	-5.91 (1)	-23.80 (1)	-31.49 (1)	-126.61 (1)
71	21.00	3849.43 (1)	13525.82 (1)	-4.17 (1)	-16.76 (1)	-15.97 (1)	-64.17 (1)
81	24.00	3914.28 (1)	13317.86 (1)	-2.31 (1)	-9.26 (1)	-6.04 (1)	-24.25 (1)
91	27.00	3979.12 (1)	13109.90 (1)	-0.85 (1)	-3.42 (1)	-1.22 (1)	-4.88 (1)
101	30.00	4043.97 (1)	12922.73 (1)	-0.03 (1)	-0.12 (1)	0.00 (0)	0.00 (1)

Palo n° 10

n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
1	0.00	2775.77 (1)	14981.54 (1)	98.35 (1)	394.35 (1)	332.56 (1)	1331.51 (1)
11	3.00	2849.22 (1)	14773.58 (1)	55.04 (1)	220.55 (1)	101.43 (1)	405.08 (1)
21	6.00	2922.66 (1)	14565.62 (1)	24.31 (1)	97.28 (1)	-19.17 (1)	-77.97 (1)
31	9.00	2996.10 (1)	14357.66 (1)	5.55 (1)	22.11 (1)	-63.99 (1)	-257.21 (1)
41	12.00	3069.54 (1)	14149.70 (1)	-3.56 (1)	-14.38 (1)	-66.37 (1)	-266.37 (1)
51	15.00	3142.98 (1)	13941.74 (1)	-6.41 (1)	-25.73 (1)	-50.69 (1)	-203.30 (1)
61	18.00	3216.42 (1)	13733.78 (1)	-5.93 (1)	-23.80 (1)	-31.59 (1)	-126.61 (1)

PARCO EOLICO “SAN CASSANIELLO”	Calcoli Preliminari delle Strutture	EO-SFE-PD-OCV-12
---	--	-------------------------

n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
71	21.00	3289.87 (1)	13525.82 (1)	-4.18 (1)	-16.76 (1)	-16.02 (1)	-64.17 (1)
81	24.00	3363.31 (1)	13317.86 (1)	-2.31 (1)	-9.26 (1)	-6.06 (1)	-24.25 (1)
91	27.00	3436.75 (1)	13109.90 (1)	-0.85 (1)	-3.42 (1)	-1.22 (1)	-4.88 (1)
101	30.00	3510.19 (1)	12922.73 (1)	-0.03 (1)	-0.12 (1)	0.00 (0)	0.00 (1)

Palo n° 11

n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
1	0.00	2102.61 (1)	14981.54 (1)	98.45 (1)	394.35 (1)	332.89 (1)	1331.51 (1)
11	3.00	2185.39 (1)	14773.58 (1)	55.10 (1)	220.55 (1)	101.53 (1)	405.08 (1)
21	6.00	2268.17 (1)	14565.62 (1)	24.33 (1)	97.28 (1)	-19.19 (1)	-77.97 (1)
31	9.00	2350.95 (1)	14357.66 (1)	5.56 (1)	22.11 (1)	-64.06 (1)	-257.21 (1)
41	12.00	2433.73 (1)	14149.70 (1)	-3.57 (1)	-14.38 (1)	-66.43 (1)	-266.37 (1)
51	15.00	2516.50 (1)	13941.74 (1)	-6.41 (1)	-25.73 (1)	-50.74 (1)	-203.30 (1)
61	18.00	2599.28 (1)	13733.78 (1)	-5.94 (1)	-23.80 (1)	-31.62 (1)	-126.61 (1)
71	21.00	2682.06 (1)	13525.82 (1)	-4.18 (1)	-16.76 (1)	-16.03 (1)	-64.17 (1)
81	24.00	2764.84 (1)	13317.86 (1)	-2.31 (1)	-9.26 (1)	-6.06 (1)	-24.25 (1)
91	27.00	2847.62 (1)	13109.90 (1)	-0.86 (1)	-3.42 (1)	-1.22 (1)	-4.88 (1)
101	30.00	2930.40 (1)	12922.73 (1)	-0.03 (1)	-0.12 (1)	0.00 (0)	0.00 (1)

Palo n° 12

n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
1	0.00	1674.11 (4)	14981.54 (1)	98.35 (1)	394.35 (1)	332.56 (1)	1331.51 (1)
11	3.00	1762.84 (4)	14773.58 (1)	55.04 (1)	220.55 (1)	101.43 (1)	405.08 (1)
21	6.00	1851.56 (4)	14565.62 (1)	24.31 (1)	97.28 (1)	-19.17 (1)	-77.97 (1)
31	9.00	1940.28 (4)	14357.66 (1)	5.55 (1)	22.11 (1)	-63.99 (1)	-257.21 (1)
41	12.00	2029.01 (4)	14149.70 (1)	-3.56 (1)	-14.38 (1)	-66.37 (1)	-266.37 (1)
51	15.00	2117.73 (4)	13941.74 (1)	-6.41 (1)	-25.73 (1)	-50.69 (1)	-203.30 (1)
61	18.00	2206.45 (4)	13733.78 (1)	-5.93 (1)	-23.80 (1)	-31.59 (1)	-126.61 (1)
71	21.00	2295.18 (4)	13525.82 (1)	-4.18 (1)	-16.76 (1)	-16.02 (1)	-64.17 (1)
81	24.00	2383.90 (4)	13317.86 (1)	-2.31 (1)	-9.26 (1)	-6.06 (1)	-24.25 (1)
91	27.00	2472.62 (4)	13109.90 (1)	-0.85 (1)	-3.42 (1)	-1.22 (1)	-4.88 (1)
101	30.00	2561.35 (4)	12922.73 (1)	-0.03 (1)	-0.12 (1)	0.00 (0)	0.00 (1)

Palo n° 13

n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
1	0.00	1673.94 (4)	14981.54 (1)	98.03 (1)	394.35 (1)	331.51 (1)	1331.51 (1)
11	3.00	1762.67 (4)	14773.58 (1)	54.87 (1)	220.55 (1)	101.11 (1)	405.08 (1)
21	6.00	1851.39 (4)	14565.62 (1)	24.23 (1)	97.28 (1)	-19.11 (1)	-77.97 (1)
31	9.00	1940.12 (4)	14357.66 (1)	5.53 (1)	22.11 (1)	-63.79 (1)	-257.21 (1)
41	12.00	2028.84 (4)	14149.70 (1)	-3.55 (1)	-14.38 (1)	-66.16 (1)	-266.37 (1)
51	15.00	2117.57 (4)	13941.74 (1)	-6.39 (1)	-25.73 (1)	-50.53 (1)	-203.30 (1)
61	18.00	2206.30 (4)	13733.78 (1)	-5.91 (1)	-23.80 (1)	-31.49 (1)	-126.61 (1)
71	21.00	2295.02 (4)	13525.82 (1)	-4.17 (1)	-16.76 (1)	-15.97 (1)	-64.17 (1)
81	24.00	2383.75 (4)	13317.86 (1)	-2.31 (1)	-9.26 (1)	-6.04 (1)	-24.25 (1)
91	27.00	2472.47 (4)	13109.90 (1)	-0.85 (1)	-3.42 (1)	-1.22 (1)	-4.88 (1)
101	30.00	2561.20 (4)	12922.73 (1)	-0.03 (1)	-0.12 (1)	0.00 (0)	0.00 (1)

Palo n° 14

n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
1	0.00	1673.92 (4)	14981.54 (1)	97.47 (1)	394.35 (1)	329.59 (1)	1331.51 (1)
11	3.00	1762.65 (4)	14773.58 (1)	54.55 (1)	220.55 (1)	100.52 (1)	405.08 (1)
21	6.00	1851.38 (4)	14565.62 (1)	24.09 (1)	97.28 (1)	-19.00 (1)	-77.97 (1)
31	9.00	1940.10 (4)	14357.66 (1)	5.50 (1)	22.11 (1)	-63.42 (1)	-257.21 (1)
41	12.00	2028.83 (4)	14149.70 (1)	-3.53 (1)	-14.38 (1)	-65.77 (1)	-266.37 (1)
51	15.00	2117.55 (4)	13941.74 (1)	-6.35 (1)	-25.73 (1)	-50.24 (1)	-203.30 (1)
61	18.00	2206.28 (4)	13733.78 (1)	-5.88 (1)	-23.80 (1)	-31.30 (1)	-126.61 (1)
71	21.00	2295.01 (4)	13525.82 (1)	-4.14 (1)	-16.76 (1)	-15.88 (1)	-64.17 (1)
81	24.00	2383.73 (4)	13317.86 (1)	-2.29 (1)	-9.26 (1)	-6.00 (1)	-24.25 (1)
91	27.00	2472.46 (4)	13109.90 (1)	-0.85 (1)	-3.42 (1)	-1.21 (1)	-4.88 (1)
101	30.00	2561.18 (4)	12922.73 (1)	-0.03 (1)	-0.12 (1)	0.00 (0)	0.00 (1)

Palo n° 15

n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
1	0.00	1674.11 (4)	14981.54 (1)	96.62 (1)	394.35 (1)	326.72 (1)	1331.51 (1)
11	3.00	1762.83 (4)	14773.58 (1)	54.08 (1)	220.55 (1)	99.65 (1)	405.08 (1)
21	6.00	1851.56 (4)	14565.62 (1)	23.88 (1)	97.28 (1)	-18.83 (1)	-77.97 (1)
31	9.00	1940.28 (4)	14357.66 (1)	5.45 (1)	22.11 (1)	-62.87 (1)	-257.21 (1)
41	12.00	2029.00 (4)	14149.70 (1)	-3.50 (1)	-14.38 (1)	-65.20 (1)	-266.37 (1)
51	15.00	2117.73 (4)	13941.74 (1)	-6.29 (1)	-25.73 (1)	-49.80 (1)	-203.30 (1)
61	18.00	2206.45 (4)	13733.78 (1)	-5.83 (1)	-23.80 (1)	-31.03 (1)	-126.61 (1)
71	21.00	2295.17 (4)	13525.82 (1)	-4.11 (1)	-16.76 (1)	-15.74 (1)	-64.17 (1)
81	24.00	2383.90 (4)	13317.86 (1)	-2.27 (1)	-9.26 (1)	-5.95 (1)	-24.25 (1)
91	27.00	2472.62 (4)	13109.90 (1)	-0.84 (1)	-3.42 (1)	-1.20 (1)	-4.88 (1)
101	30.00	2561.35 (4)	12922.73 (1)	-0.03 (1)	-0.12 (1)	0.00 (0)	0.00 (1)



Palo n° 16

n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
1	0.00	2059.71 (2)	14981.54 (1)	95.53 (1)	394.35 (1)	323.03 (1)	1331.51 (1)
11	3.00	2143.08 (2)	14773.58 (1)	53.46 (1)	220.55 (1)	98.52 (1)	405.08 (1)
21	6.00	2226.46 (2)	14565.62 (1)	23.61 (1)	97.28 (1)	-18.62 (1)	-77.97 (1)
31	9.00	2309.83 (2)	14357.66 (1)	5.39 (1)	22.11 (1)	-22.16 (1)	-257.21 (1)
41	12.00	2393.21 (2)	14149.70 (1)	-3.46 (1)	-14.38 (1)	-64.47 (1)	-266.37 (1)
51	15.00	2476.58 (2)	13941.74 (1)	-6.22 (1)	-25.73 (1)	-49.24 (1)	-203.30 (1)
61	18.00	2559.96 (2)	13733.78 (1)	-5.76 (1)	-23.80 (1)	-30.68 (1)	-126.61 (1)
71	21.00	2643.33 (2)	13525.82 (1)	-4.06 (1)	-16.76 (1)	-15.56 (1)	-64.17 (1)
81	24.00	2726.71 (2)	13317.86 (1)	-2.25 (1)	-9.26 (1)	-5.88 (1)	-24.25 (1)
91	27.00	2810.08 (2)	13109.90 (1)	-0.83 (1)	-3.42 (1)	-1.19 (1)	-4.88 (1)
101	30.00	2893.45 (2)	12922.73 (1)	-0.03 (1)	-0.12 (1)	0.00 (0)	0.00 (1)

Palo n° 17

n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
1	0.00	2562.00 (2)	14981.54 (1)	94.25 (1)	394.35 (1)	318.72 (1)	1331.51 (1)
11	3.00	2638.41 (2)	14773.58 (1)	52.75 (1)	220.55 (1)	97.21 (1)	405.08 (1)
21	6.00	2714.81 (2)	14565.62 (1)	23.29 (1)	97.28 (1)	-18.37 (1)	-77.97 (1)
31	9.00	2791.22 (2)	14357.66 (1)	5.32 (1)	22.11 (1)	-61.33 (1)	-257.21 (1)
41	12.00	2867.63 (2)	14149.70 (1)	-3.42 (1)	-14.38 (1)	-63.60 (1)	-266.37 (1)
51	15.00	2944.04 (2)	13941.74 (1)	-6.14 (1)	-25.73 (1)	-48.58 (1)	-203.30 (1)
61	18.00	3020.44 (2)	13733.78 (1)	-5.68 (1)	-23.80 (1)	-30.27 (1)	-126.61 (1)
71	21.00	3096.85 (2)	13525.82 (1)	-4.01 (1)	-16.76 (1)	-15.35 (1)	-64.17 (1)
81	24.00	3173.26 (2)	13317.86 (1)	-2.22 (1)	-9.26 (1)	-5.81 (1)	-24.25 (1)
91	27.00	3249.66 (2)	13109.90 (1)	-0.82 (1)	-3.42 (1)	-1.17 (1)	-4.88 (1)
101	30.00	3326.07 (2)	12922.73 (1)	-0.03 (1)	-0.12 (1)	0.00 (0)	0.00 (1)

Palo n° 18

n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
1	0.00	3023.62 (2)	14981.54 (1)	92.94 (1)	394.35 (1)	314.26 (1)	1331.51 (1)
11	3.00	3093.63 (2)	14773.58 (1)	52.01 (1)	220.55 (1)	95.85 (1)	405.08 (1)
21	6.00	3163.63 (2)	14565.62 (1)	22.97 (1)	97.28 (1)	-18.11 (1)	-77.97 (1)
31	9.00	3233.63 (2)	14357.66 (1)	5.24 (1)	22.11 (1)	-60.47 (1)	-257.21 (1)
41	12.00	3303.64 (2)	14149.70 (1)	-3.37 (1)	-14.38 (1)	-62.72 (1)	-266.37 (1)
51	15.00	3373.64 (2)	13941.74 (1)	-6.05 (1)	-25.73 (1)	-47.90 (1)	-203.30 (1)
61	18.00	3443.64 (2)	13733.78 (1)	-5.61 (1)	-23.80 (1)	-29.85 (1)	-126.61 (1)
71	21.00	3513.65 (2)	13525.82 (1)	-3.95 (1)	-16.76 (1)	-15.14 (1)	-64.17 (1)
81	24.00	3583.65 (2)	13317.86 (1)	-2.19 (1)	-9.26 (1)	-5.72 (1)	-24.25 (1)
91	27.00	3653.66 (2)	13109.90 (1)	-0.81 (1)	-3.42 (1)	-1.15 (1)	-4.88 (1)
101	30.00	3723.66 (2)	12922.73 (1)	-0.03 (1)	-0.12 (1)	0.00 (0)	0.00 (1)

Palo n° 19

n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
1	0.00	3402.32 (2)	14981.54 (1)	91.76 (1)	394.35 (1)	310.27 (1)	1331.51 (1)
11	3.00	3467.08 (2)	14773.58 (1)	51.35 (1)	220.55 (1)	94.63 (1)	405.08 (1)
21	6.00	3531.83 (2)	14565.62 (1)	22.68 (1)	97.28 (1)	-17.88 (1)	-77.97 (1)
31	9.00	3596.58 (2)	14357.66 (1)	5.18 (1)	22.11 (1)	-59.70 (1)	-257.21 (1)
41	12.00	3661.33 (2)	14149.70 (1)	-3.32 (1)	-14.38 (1)	-61.92 (1)	-266.37 (1)
51	15.00	3726.08 (2)	13941.74 (1)	-5.98 (1)	-25.73 (1)	-47.29 (1)	-203.30 (1)
61	18.00	3790.83 (2)	13733.78 (1)	-5.53 (1)	-23.80 (1)	-29.47 (1)	-126.61 (1)
71	21.00	3855.58 (2)	13525.82 (1)	-3.90 (1)	-16.76 (1)	-14.94 (1)	-64.17 (1)
81	24.00	3920.33 (2)	13317.86 (1)	-2.16 (1)	-9.26 (1)	-5.65 (1)	-24.25 (1)
91	27.00	3985.08 (2)	13109.90 (1)	-0.80 (1)	-3.42 (1)	-1.14 (1)	-4.88 (1)
101	30.00	4049.83 (2)	12922.73 (1)	-0.03 (1)	-0.12 (1)	0.00 (0)	0.00 (1)

Palo n° 20

n°	Y [m]	N [kN]	Nr [kN]	T [kN]	Tr [kN]	M [kNm]	Mr [kNm]
1	0.00	3653.82 (2)	14981.54 (1)	90.93 (1)	394.35 (1)	307.48 (1)	1331.51 (1)
11	3.00	3715.09 (2)	14773.58 (1)	50.89 (1)	220.55 (1)	93.78 (1)	405.08 (1)
21	6.00	3776.35 (2)	14565.62 (1)	22.47 (1)	97.28 (1)	-17.72 (1)	-77.97 (1)
31	9.00	3837.61 (2)	14357.66 (1)	5.13 (1)	22.11 (1)	-59.17 (1)	-257.21 (1)
41	12.00	3898.87 (2)	14149.70 (1)	-3.29 (1)	-14.38 (1)	-61.36 (1)	-266.37 (1)
51	15.00	3960.13 (2)	13941.74 (1)	-5.92 (1)	-25.73 (1)	-46.87 (1)	-203.30 (1)
61	18.00	4021.40 (2)	13733.78 (1)	-5.48 (1)	-23.80 (1)	-29.20 (1)	-126.61 (1)
71	21.00	4082.66 (2)	13525.82 (1)	-3.87 (1)	-16.76 (1)	-14.81 (1)	-64.17 (1)
81	24.00	4143.92 (2)	13317.86 (1)	-2.14 (1)	-9.26 (1)	-5.60 (1)	-24.25 (1)
91	27.00	4205.18 (2)	13109.90 (1)	-0.79 (1)	-3.42 (1)	-1.13 (1)	-4.88 (1)
101	30.00	4266.44 (2)	12922.73 (1)	-0.03 (1)	-0.12 (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	1315.12	21943.88	5.864
3.00	54.29	394.77	21943.88	5.771
6.00	54.29	73.45	21943.88	5.681
9.00	54.29	241.44	21943.88	5.595
12.00	54.29	246.63	21943.88	5.510
15.00	54.29	185.57	21943.88	5.428
18.00	54.29	113.94	21943.88	5.349
21.00	54.29	56.95	21943.88	5.272
24.00	54.29	21.23	21943.88	5.197
27.00	54.29	4.22	21943.88	5.124
30.00	54.29	0.00	21943.88	5.053

Palo n° 2

Y [m]	Af [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	1345.59	21943.88	6.005
3.00	54.29	403.63	21943.88	5.906
6.00	54.29	75.05	21943.88	5.810
9.00	54.29	246.53	21943.88	5.718
12.00	54.29	251.66	21943.88	5.628
15.00	54.29	189.23	21943.88	5.541
18.00	54.29	116.12	21943.88	5.456
21.00	54.29	58.00	21943.88	5.375
24.00	54.29	21.61	21943.88	5.295
27.00	54.29	4.29	21943.88	5.218
30.00	54.29	0.00	21943.88	5.143

Palo n° 3

Y [m]	Af [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	1441.76	21943.88	6.449
3.00	54.29	431.52	21943.88	6.329
6.00	54.29	80.06	21943.88	6.213
9.00	54.29	262.45	21943.88	6.101
12.00	54.29	267.37	21943.88	5.993
15.00	54.29	200.66	21943.88	5.889
18.00	54.29	122.90	21943.88	5.789
21.00	54.29	61.28	21943.88	5.691
24.00	54.29	22.79	21943.88	5.597
27.00	54.29	4.52	21943.88	5.506
30.00	54.29	0.00	21943.88	5.418

Palo n° 4

Y [m]	Af [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	1769.73	21943.88	5.631
3.00	54.29	531.86	21943.88	5.549
6.00	54.29	99.07	21943.88	5.469
9.00	54.29	326.01	21943.88	5.391
12.00	54.29	333.37	21943.88	5.315
15.00	54.29	251.09	21943.88	5.242
18.00	54.29	154.33	21943.88	5.170
21.00	54.29	77.21	21943.88	5.101
24.00	54.29	28.81	21943.88	5.033
27.00	54.29	5.73	21943.88	4.967
30.00	54.29	0.00	21943.88	4.903

Palo n° 5



Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	1659.69	21943.88	5.207
3.00	54.29	499.85	21943.88	5.142
6.00	54.29	93.30	21943.88	5.079
9.00	54.29	307.65	21943.88	5.016
12.00	54.29	315.21	21943.88	4.956
15.00	54.29	237.87	21943.88	4.897
18.00	54.29	146.48	21943.88	4.839
21.00	54.29	73.42	21943.88	4.783
24.00	54.29	27.44	21943.88	4.727
27.00	54.29	5.47	21943.88	4.674
30.00	54.29	0.00	21943.88	4.621

Palo n° 6

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	1638.80	21943.88	5.073
3.00	54.29	493.90	21943.88	5.013
6.00	54.29	92.25	21943.88	4.954
9.00	54.29	304.38	21943.88	4.897
12.00	54.29	312.06	21943.88	4.841
15.00	54.29	235.64	21943.88	4.786
18.00	54.29	145.19	21943.88	4.732
21.00	54.29	72.81	21943.88	4.680
24.00	54.29	27.23	21943.88	4.629
27.00	54.29	5.43	21943.88	4.578
30.00	54.29	0.00	21943.88	4.529

Palo n° 7

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	1701.44	21943.88	5.208
3.00	54.29	512.43	21943.88	5.142
6.00	54.29	95.65	21943.88	5.079
9.00	54.29	315.39	21943.88	5.017
12.00	54.29	323.14	21943.88	4.956
15.00	54.29	243.86	21943.88	4.897
18.00	54.29	150.16	21943.88	4.839
21.00	54.29	75.26	21943.88	4.783
24.00	54.29	28.13	21943.88	4.727
27.00	54.29	5.60	21943.88	4.674
30.00	54.29	0.00	21943.88	4.621

Palo n° 8

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	1856.07	21943.88	5.631
3.00	54.29	557.81	21943.88	5.549
6.00	54.29	103.90	21943.88	5.469
9.00	54.29	341.92	21943.88	5.391
12.00	54.29	349.63	21943.88	5.316
15.00	54.29	263.34	21943.88	5.242
18.00	54.29	161.86	21943.88	5.171
21.00	54.29	80.98	21943.88	5.101
24.00	54.29	30.21	21943.88	5.033
27.00	54.29	6.01	21943.88	4.967
30.00	54.29	0.00	21943.88	4.903

Palo n° 9

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	2142.38	21943.88	6.463
3.00	54.29	641.17	21943.88	6.341
6.00	54.29	118.95	21943.88	6.225
9.00	54.29	389.91	21943.88	6.112
12.00	54.29	397.20	21943.88	6.004
15.00	54.29	298.08	21943.88	5.899
18.00	54.29	182.56	21943.88	5.798
21.00	54.29	91.02	21943.88	5.701
24.00	54.29	33.85	21943.88	5.606
27.00	54.29	6.71	21943.88	5.515
30.00	54.29	0.00	21943.88	5.426

Palo n° 10

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	2564.18	21402.17	7.710
3.00	54.29	781.19	21943.88	7.702
6.00	54.29	143.93	21943.88	7.508
9.00	54.29	468.70	21943.88	7.324
12.00	54.29	474.46	21943.88	7.149

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
15.00	54.29	353.91	21943.88	6.982
18.00	54.29	215.50	21943.88	6.822
21.00	54.29	106.84	21943.88	6.670
24.00	54.29	39.52	21943.88	6.524
27.00	54.29	7.79	21943.88	6.385
30.00	54.29	0.00	21943.88	6.251

Palo n° 11

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	3136.63	19811.45	9.422
3.00	54.29	1019.49	21943.88	10.041
6.00	54.29	185.64	21943.88	9.675
9.00	54.29	597.91	21943.88	9.334
12.00	54.29	599.00	21943.88	9.017
15.00	54.29	442.45	21943.88	8.720
18.00	54.29	266.92	21943.88	8.442
21.00	54.29	131.19	21943.88	8.182
24.00	54.29	48.12	21943.88	7.937
27.00	54.29	9.41	21943.88	7.706
30.00	54.29	0.00	21943.88	7.488

Palo n° 12

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	3931.38	16911.60	11.821
3.00	54.29	0.00	21943.88	12.448
6.00	54.29	0.00	21943.88	11.852
9.00	54.29	0.00	21943.88	11.310
12.00	54.29	0.00	21943.88	10.815
15.00	54.29	0.00	21943.88	10.362
18.00	54.29	0.00	21943.88	9.945
21.00	54.29	0.00	21943.88	9.561
24.00	54.29	0.00	21943.88	9.205
27.00	54.29	0.00	21943.88	8.875
30.00	54.29	0.00	21943.88	8.567

Palo n° 13

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	0.00	21943.88	13.109
3.00	54.29	0.00	21943.88	12.449
6.00	54.29	0.00	21943.88	11.853
9.00	54.29	0.00	21943.88	11.311
12.00	54.29	0.00	21943.88	10.816
15.00	54.29	0.00	21943.88	10.363
18.00	54.29	0.00	21943.88	9.946
21.00	54.29	0.00	21943.88	9.562
24.00	54.29	0.00	21943.88	9.206
27.00	54.29	0.00	21943.88	8.875
30.00	54.29	0.00	21943.88	8.568

Palo n° 14

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	2582.41	2413.35	7.835
3.00	54.29	0.00	21943.88	12.449
6.00	54.29	0.00	21943.88	11.853
9.00	54.29	0.00	21943.88	11.311
12.00	54.29	0.00	21943.88	10.816
15.00	54.29	0.00	21943.88	10.363
18.00	54.29	0.00	21943.88	9.946
21.00	54.29	0.00	21943.88	9.562
24.00	54.29	0.00	21943.88	9.206
27.00	54.29	0.00	21943.88	8.875
30.00	54.29	0.00	21943.88	8.568

Palo n° 15

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	1269.73	-105.59	3.886
3.00	54.29	0.00	21943.88	12.448
6.00	54.29	0.00	21943.88	11.852
9.00	54.29	0.00	21943.88	11.310
12.00	54.29	0.00	21943.88	10.815
15.00	54.29	0.00	21943.88	10.362
18.00	54.29	0.00	21943.88	9.945
21.00	54.29	0.00	21943.88	9.561
24.00	54.29	0.00	21943.88	9.205
27.00	54.29	0.00	21943.88	8.875

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
30.00	54.29	0.00	21943.88	8.567

Palo n° 16

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	1053.21	-473.02	3.260
3.00	54.29	693.60	21943.88	10.239
6.00	54.29	126.18	21943.88	9.856
9.00	54.29	406.01	21943.88	9.500
12.00	54.29	406.40	21943.88	9.169
15.00	54.29	299.95	21943.88	8.861
18.00	54.29	180.82	21943.88	8.572
21.00	54.29	88.81	21943.88	8.302
24.00	54.29	32.55	21943.88	8.048
27.00	54.29	6.36	21943.88	7.809
30.00	54.29	0.00	21943.88	7.584

Palo n° 17

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	1268.84	-107.11	3.981
3.00	54.29	563.93	21943.88	8.317
6.00	54.29	103.58	21943.88	8.083
9.00	54.29	336.31	21943.88	7.862
12.00	54.29	339.50	21943.88	7.652
15.00	54.29	252.57	21943.88	7.454
18.00	54.29	153.40	21943.88	7.265
21.00	54.29	75.87	21943.88	7.086
24.00	54.29	28.00	21943.88	6.915
27.00	54.29	5.51	21943.88	6.753
30.00	54.29	0.00	21943.88	6.598

Palo n° 18

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	1617.47	21943.88	7.257
3.00	54.29	482.16	21943.88	7.093
6.00	54.29	89.11	21943.88	6.936
9.00	54.29	291.03	21943.88	6.786
12.00	54.29	295.43	21943.88	6.642
15.00	54.29	220.96	21943.88	6.505
18.00	54.29	134.89	21943.88	6.372
21.00	54.29	67.04	21943.88	6.245
24.00	54.29	24.86	21943.88	6.123
27.00	54.29	4.91	21943.88	6.006
30.00	54.29	0.00	21943.88	5.893

Palo n° 19

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	1441.80	21943.88	6.450
3.00	54.29	431.53	21943.88	6.329
6.00	54.29	80.06	21943.88	6.213
9.00	54.29	262.45	21943.88	6.101
12.00	54.29	267.38	21943.88	5.993
15.00	54.29	200.67	21943.88	5.889
18.00	54.29	122.91	21943.88	5.789
21.00	54.29	61.28	21943.88	5.691
24.00	54.29	22.79	21943.88	5.597
27.00	54.29	4.52	21943.88	5.507
30.00	54.29	0.00	21943.88	5.418

Palo n° 20

Y [m]	Ar [cmq]	Mu [kNm]	Nu [kN]	FS
0.00	54.29	1345.69	21943.88	6.006
3.00	54.29	403.66	21943.88	5.907
6.00	54.29	75.05	21943.88	5.811
9.00	54.29	246.54	21943.88	5.718
12.00	54.29	251.67	21943.88	5.628
15.00	54.29	189.25	21943.88	5.541
18.00	54.29	116.13	21943.88	5.457
21.00	54.29	58.01	21943.88	5.375
24.00	54.29	21.61	21943.88	5.295
27.00	54.29	4.29	21943.88	5.218
30.00	54.29	0.00	21943.88	5.143

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	2621.86	735.18	735.18	8.112
3.00	2635.11	735.18	735.18	14.493
6.00	2648.36	735.18	735.18	32.821
9.00	2661.61	735.18	735.18	143.749
12.00	2674.86	735.18	735.18	223.864
15.00	2688.10	735.18	735.18	124.524
18.00	2701.35	735.18	735.18	134.488
21.00	2714.60	735.18	735.18	190.838
24.00	2727.85	735.18	735.18	344.951
27.00	2741.10	735.18	735.18	933.947
30.00	2754.35	735.18	735.18	25861.401

Palo n° 2

Y [m]	V_{Rcd} [kN]	V_{Rsd} [kN]	V_{Rd} [kN]	FS
0.00	2621.86	735.18	735.18	8.085
3.00	2635.11	735.18	735.18	14.446
6.00	2648.36	735.18	735.18	32.714
9.00	2661.61	735.18	735.18	143.278
12.00	2674.86	735.18	735.18	223.130
15.00	2688.10	735.18	735.18	124.116
18.00	2701.35	735.18	735.18	134.047
21.00	2714.60	735.18	735.18	190.212
24.00	2727.85	735.18	735.18	343.821
27.00	2741.10	735.18	735.18	930.887
30.00	2754.35	735.18	735.18	25776.664

Palo n° 3

Y [m]	V_{Rcd} [kN]	V_{Rsd} [kN]	V_{Rd} [kN]	FS
0.00	2621.84	735.18	735.18	8.012
3.00	2635.08	735.18	735.18	14.316
6.00	2648.33	735.18	735.18	32.419
9.00	2661.58	735.18	735.18	141.989
12.00	2674.83	735.18	735.18	221.122
15.00	2688.08	735.18	735.18	122.998
18.00	2701.33	735.18	735.18	132.841
21.00	2714.58	735.18	735.18	188.500
24.00	2727.82	735.18	735.18	340.726
27.00	2741.07	735.18	735.18	922.507
30.00	2754.32	735.18	735.18	25544.625

Palo n° 4

Y [m]	V_{Rcd} [kN]	V_{Rsd} [kN]	V_{Rd} [kN]	FS
0.00	2621.82	735.18	735.18	7.911
3.00	2635.07	735.18	735.18	14.134
6.00	2648.32	735.18	735.18	32.007
9.00	2661.57	735.18	735.18	140.186
12.00	2674.82	735.18	735.18	218.314
15.00	2688.07	735.18	735.18	121.437
18.00	2701.32	735.18	735.18	131.154
21.00	2714.56	735.18	735.18	186.107
24.00	2727.81	735.18	735.18	336.400
27.00	2741.06	735.18	735.18	910.794
30.00	2754.31	735.18	735.18	25220.287

Palo n° 5

Y [m]	V_{Rcd} [kN]	V_{Rsd} [kN]	V_{Rd} [kN]	FS
0.00	2621.84	735.18	735.18	7.800
3.00	2635.09	735.18	735.18	13.937
6.00	2648.34	735.18	735.18	31.561
9.00	2661.59	735.18	735.18	138.230



Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
12.00	2674.84	735.18	735.18	215.268
15.00	2688.09	735.18	735.18	119.742
18.00	2701.33	735.18	735.18	129.324
21.00	2714.58	735.18	735.18	183.510
24.00	2727.83	735.18	735.18	331.706
27.00	2741.08	735.18	735.18	898.086
30.00	2754.33	735.18	735.18	24868.383

Palo n° 6

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2621.85	735.18	735.18	7.696
3.00	2635.10	735.18	735.18	13.751
6.00	2648.35	735.18	735.18	31.139
9.00	2661.60	735.18	735.18	136.381
12.00	2674.84	735.18	735.18	212.390
15.00	2688.09	735.18	735.18	118.141
18.00	2701.34	735.18	735.18	127.595
21.00	2714.59	735.18	735.18	181.056
24.00	2727.84	735.18	735.18	327.271
27.00	2741.08	735.18	735.18	886.077
30.00	2754.33	735.18	735.18	24535.865

Palo n° 7

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2621.85	735.18	735.18	7.609
3.00	2635.10	735.18	735.18	13.595
6.00	2648.35	735.18	735.18	30.787
9.00	2661.59	735.18	735.18	134.840
12.00	2674.84	735.18	735.18	209.989
15.00	2688.09	735.18	735.18	116.806
18.00	2701.34	735.18	735.18	126.152
21.00	2714.59	735.18	735.18	179.009
24.00	2727.84	735.18	735.18	323.571
27.00	2741.08	735.18	735.18	876.061
30.00	2754.33	735.18	735.18	24258.509

Palo n° 8

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2621.83	735.18	735.18	7.543
3.00	2635.08	735.18	735.18	13.477
6.00	2648.33	735.18	735.18	30.519
9.00	2661.57	735.18	735.18	133.668
12.00	2674.82	735.18	735.18	208.164
15.00	2688.07	735.18	735.18	115.791
18.00	2701.32	735.18	735.18	125.056
21.00	2714.57	735.18	735.18	177.454
24.00	2727.82	735.18	735.18	320.760
27.00	2741.07	735.18	735.18	868.449
30.00	2754.31	735.18	735.18	24047.736

Palo n° 9

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2621.83	735.18	735.18	7.499
3.00	2635.08	735.18	735.18	13.399
6.00	2648.33	735.18	735.18	30.343
9.00	2661.58	735.18	735.18	132.896
12.00	2674.83	735.18	735.18	206.962
15.00	2688.07	735.18	735.18	115.122
18.00	2701.32	735.18	735.18	124.334
21.00	2714.57	735.18	735.18	176.429
24.00	2727.82	735.18	735.18	318.907
27.00	2741.07	735.18	735.18	863.433
30.00	2754.32	735.18	735.18	23908.844

Palo n° 10

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2621.85	735.18	735.18	7.475
3.00	2635.10	735.18	735.18	13.357
6.00	2648.35	735.18	735.18	30.246
9.00	2661.60	735.18	735.18	132.473
12.00	2674.85	735.18	735.18	206.302
15.00	2688.09	735.18	735.18	114.755
18.00	2701.34	735.18	735.18	123.938
21.00	2714.59	735.18	735.18	175.867
24.00	2727.84	735.18	735.18	317.891

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
27.00	2741.09	735.18	735.18	860.682
30.00	2754.34	735.18	735.18	23832.650

Palo n° 11

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2621.86	735.18	735.18	7.468
3.00	2635.11	735.18	735.18	13.343
6.00	2648.36	735.18	735.18	30.216
9.00	2661.61	735.18	735.18	132.341
12.00	2674.86	735.18	735.18	206.098
15.00	2688.10	735.18	735.18	114.641
18.00	2701.35	735.18	735.18	123.815
21.00	2714.60	735.18	735.18	175.693
24.00	2727.85	735.18	735.18	317.576
27.00	2741.10	735.18	735.18	859.829
30.00	2754.34	735.18	735.18	23809.036

Palo n° 12

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2621.86	735.18	735.18	7.475
3.00	2635.10	735.18	735.18	13.356
6.00	2648.35	735.18	735.18	30.246
9.00	2661.60	735.18	735.18	132.472
12.00	2674.85	735.18	735.18	206.302
15.00	2688.10	735.18	735.18	114.755
18.00	2701.34	735.18	735.18	123.937
21.00	2714.59	735.18	735.18	175.867
24.00	2727.84	735.18	735.18	317.890
27.00	2741.09	735.18	735.18	860.680
30.00	2754.34	735.18	735.18	23832.616

Palo n° 13

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2621.83	735.18	735.18	7.499
3.00	2635.08	735.18	735.18	13.399
6.00	2648.33	735.18	735.18	30.343
9.00	2661.58	735.18	735.18	132.895
12.00	2674.82	735.18	735.18	206.961
15.00	2688.07	735.18	735.18	115.121
18.00	2701.32	735.18	735.18	124.333
21.00	2714.57	735.18	735.18	176.428
24.00	2727.82	735.18	735.18	318.905
27.00	2741.07	735.18	735.18	863.428
30.00	2754.32	735.18	735.18	23908.701

Palo n° 14

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2621.83	735.18	735.18	7.543
3.00	2635.08	735.18	735.18	13.477
6.00	2648.32	735.18	735.18	30.519
9.00	2661.57	735.18	735.18	133.668
12.00	2674.82	735.18	735.18	208.164
15.00	2688.07	735.18	735.18	115.791
18.00	2701.32	735.18	735.18	125.056
21.00	2714.57	735.18	735.18	177.454
24.00	2727.82	735.18	735.18	320.759
27.00	2741.06	735.18	735.18	868.447
30.00	2754.31	735.18	735.18	24047.676

Palo n° 15

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2621.85	735.18	735.18	7.609
3.00	2635.10	735.18	735.18	13.595
6.00	2648.35	735.18	735.18	30.787
9.00	2661.60	735.18	735.18	134.840
12.00	2674.85	735.18	735.18	209.989
15.00	2688.10	735.18	735.18	116.806
18.00	2701.34	735.18	735.18	126.153
21.00	2714.59	735.18	735.18	179.010
24.00	2727.84	735.18	735.18	323.572
27.00	2741.09	735.18	735.18	876.063
30.00	2754.34	735.18	735.18	24258.566

Palo n° 16

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2621.86	735.18	735.18	7.696
3.00	2635.11	735.18	735.18	13.751
6.00	2648.35	735.18	735.18	31.139
9.00	2661.60	735.18	735.18	136.382
12.00	2674.85	735.18	735.18	212.391
15.00	2688.10	735.18	735.18	118.142
18.00	2701.35	735.18	735.18	127.595
21.00	2714.60	735.18	735.18	181.057
24.00	2727.84	735.18	735.18	327.273
27.00	2741.09	735.18	735.18	886.083
30.00	2754.34	735.18	735.18	24536.020

Palo n° 17

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2621.84	735.18	735.18	7.800
3.00	2635.09	735.18	735.18	13.937
6.00	2648.34	735.18	735.18	31.560
9.00	2661.59	735.18	735.18	138.228
12.00	2674.84	735.18	735.18	215.265
15.00	2688.09	735.18	735.18	119.741
18.00	2701.33	735.18	735.18	129.322
21.00	2714.58	735.18	735.18	183.508
24.00	2727.83	735.18	735.18	331.702
27.00	2741.08	735.18	735.18	898.075
30.00	2754.33	735.18	735.18	24868.081

Palo n° 18

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2621.82	735.18	735.18	7.911
3.00	2635.07	735.18	735.18	14.134
6.00	2648.32	735.18	735.18	32.008
9.00	2661.57	735.18	735.18	140.187
12.00	2674.82	735.18	735.18	218.316
15.00	2688.07	735.18	735.18	121.438
18.00	2701.32	735.18	735.18	131.155
21.00	2714.56	735.18	735.18	186.109
24.00	2727.81	735.18	735.18	336.403
27.00	2741.06	735.18	735.18	910.803
30.00	2754.31	735.18	735.18	25220.544

Palo n° 19

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2621.83	735.18	735.18	8.012
3.00	2635.07	735.18	735.18	14.316
6.00	2648.32	735.18	735.18	32.419
9.00	2661.57	735.18	735.18	141.989
12.00	2674.82	735.18	735.18	221.122
15.00	2688.07	735.18	735.18	122.999
18.00	2701.32	735.18	735.18	132.841
21.00	2714.57	735.18	735.18	188.501
24.00	2727.81	735.18	735.18	340.727
27.00	2741.06	735.18	735.18	922.510
30.00	2754.31	735.18	735.18	25544.696

Palo n° 20

Y [m]	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	FS
0.00	2621.85	735.18	735.18	8.085
3.00	2635.10	735.18	735.18	14.446
6.00	2648.35	735.18	735.18	32.714
9.00	2661.60	735.18	735.18	143.279
12.00	2674.85	735.18	735.18	223.131
15.00	2688.09	735.18	735.18	124.116
18.00	2701.34	735.18	735.18	134.047
21.00	2714.59	735.18	735.18	190.213
24.00	2727.84	735.18	735.18	343.821
27.00	2741.09	735.18	735.18	930.888
30.00	2754.34	735.18	735.18	25776.707

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]

FS_v 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]

FS_o Fattore di sicurezza (Vd/V). Tra parentesi l'indice della combinazione con fattore di sicurezza minimo.

n°	Oggetto	N [kN]	Pd [kN]	FS _v	T [kN]	Td [kN]	FS _o
1	Piastra 1	3742.27	5390.27	1.440 (2)	90.63	303.35	3.347 (1)
2	Piastra 1	3654.13	5390.27	1.475 (2)	90.93	303.35	3.336 (1)
3	Piastra 1	3402.43	5390.27	1.584 (2)	91.76	303.35	3.306 (1)
4	Piastra 1	3896.75	5390.27	1.383 (1)	92.94	303.35	3.264 (1)
5	Piastra 1	4213.92	5390.27	1.279 (1)	94.25	303.35	3.218 (1)
6	Piastra 1	4325.46	5390.27	1.246 (1)	95.53	303.35	3.175 (1)
7	Piastra 1	4213.84	5390.27	1.279 (1)	96.62	303.35	3.140 (1)
8	Piastra 1	3896.64	5390.27	1.383 (1)	97.47	303.35	3.112 (1)
9	Piastra 1	3395.52	5390.27	1.587 (1)	98.03	303.35	3.094 (1)
10	Piastra 1	2775.77	5390.27	1.942 (1)	98.35	303.35	3.084 (1)
11	Piastra 1	2102.61	5390.27	2.564 (1)	98.45	303.35	3.081 (1)
12	Piastra 1	1674.11	5390.27	3.220 (4)	98.35	303.35	3.084 (1)
13	Piastra 1	1673.94	5390.27	3.220 (4)	98.03	303.35	3.094 (1)
14	Piastra 1	1673.92	5390.27	3.220 (4)	97.47	303.35	3.112 (1)
15	Piastra 1	1674.11	5390.27	3.220 (4)	96.62	303.35	3.140 (1)
16	Piastra 1	2059.71	5390.27	2.617 (2)	95.53	303.35	3.175 (1)
17	Piastra 1	2562.00	5390.27	2.104 (2)	94.25	303.35	3.218 (1)
18	Piastra 1	3023.62	5390.27	1.783 (2)	92.94	303.35	3.264 (1)
19	Piastra 1	3402.32	5390.27	1.584 (2)	91.76	303.35	3.306 (1)
20	Piastra 1	3653.82	5390.27	1.475 (2)	90.93	303.35	3.336 (1)

