

# PROVINCIA DI MATERA COMUNE DI SAN MAURO FORTE

LOCALITA':

## LOCALITA' SERRA D'ULIVO

PROGETTO:

**PROGETTO DEFINITIVO PER LA REALIZZAZIONE DI UN PARCO AGRI-VOLTAICO A  
TERRA DELLA POTENZA NOMINALE 19,99 MW DENOMINATO "PERSOLAR1"**

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## **Relazione di calcolo**

### **Definizione**

*Per pendio s'intende una porzione di versante naturale il cui profilo originario è stato modificato da interventi artificiali rilevanti rispetto alla stabilità. Per frana s'intende una situazione di instabilità che interessa versanti naturali e coinvolgono volumi considerevoli di terreno.*

### **Introduzione all'analisi di stabilità**

*La risoluzione di un problema di stabilità richiede la presa in conto delle equazioni di campo e dei legami costitutivi. Le prime sono di equilibrio, le seconde descrivono il comportamento del terreno. Tali equazioni risultano particolarmente complesse in quanto i terreni sono dei sistemi multifase, che possono essere ricondotti a sistemi monofase solo in condizioni di terreno secco, o di analisi in condizioni drenate.*

*Nella maggior parte dei casi ci si trova a dover trattare un materiale che se saturo è per lo meno bifase, ciò rende la trattazione delle equazioni di equilibrio notevolmente complicata. Inoltre è praticamente impossibile definire una legge costitutiva di validità generale, in quanto i terreni presentano un comportamento non-lineare già a piccole deformazioni, sono anisotropi ed inoltre il loro comportamento dipende non solo dallo sforzo deviatorico ma anche da quello normale. A causa delle suddette difficoltà vengono introdotte delle ipotesi semplificative:*

1. *Si usano leggi costitutive semplificate: modello rigido perfettamente plastico. Si assume che la resistenza del materiale sia espressa unicamente dai parametri coesione ( $c$ ) e angolo di resistenza al taglio ( $\phi$ ), costanti per il terreno e caratteristici dello stato plastico; quindi si suppone valido il criterio di rottura di Mohr-Coulomb.*
2. *In alcuni casi vengono soddisfatte solo in parte le equazioni di equilibrio.*

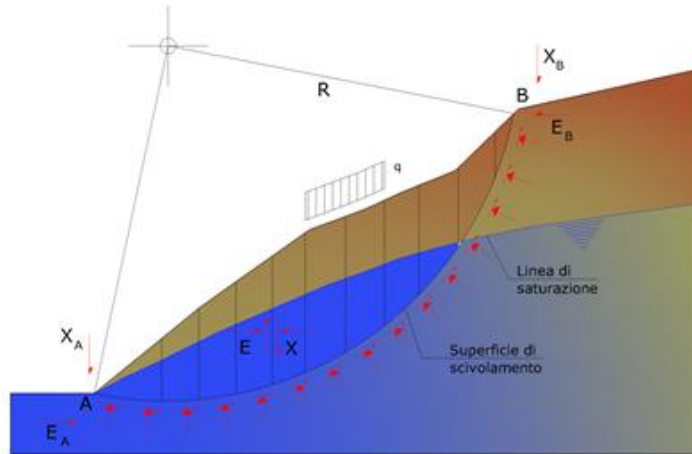
### **Metodo equilibrio limite (LEM)**

*Il metodo dell'equilibrio limite consiste nello studiare l'equilibrio di un corpo rigido, costituito dal pendio e da una superficie di scorrimento di forma qualsiasi (linea retta, arco di cerchio, spirale logaritmica); da tale equilibrio vengono calcolate le tensioni da taglio ( $\tau$ ) e confrontate con la resistenza disponibile ( $\tau_f$ ), valutata secondo il criterio di rottura di Coulomb, da tale confronto ne scaturisce la prima indicazione sulla stabilità attraverso il coefficiente di sicurezza:*

$$F = \tau_f / \tau$$

*Tra i metodi dell'equilibrio limite alcuni considerano l'equilibrio globale del corpo rigido (Culman), altri a causa della non omogeneità dividono il corpo in conci considerando l'equilibrio di ciascuno (Fellenius, Bishop, Janbu ecc.).*

*Di seguito vengono discussi i metodi dell'equilibrio limite dei conci.*

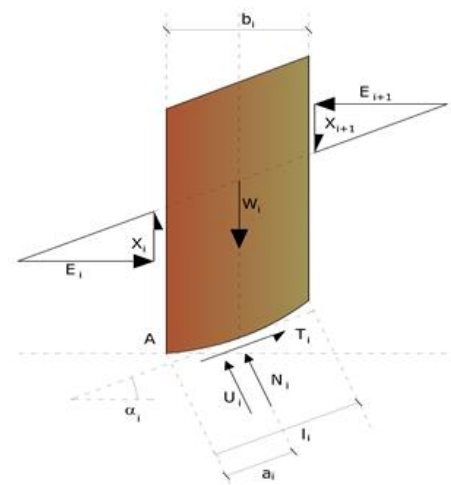


### Metodo di Bishop (1955)

Con tale metodo non viene trascurato nessun contributo di forze agenti sui blocchi e fu il primo a descrivere i problemi legati ai metodi convenzionali. Le equazioni usate per risolvere il problema sono:

$$\sum F_y = 0, \quad \sum M_0 = 0 \quad \text{Criterio di rottura}$$

$$F = \frac{\sum \{c_i \times b_i + (W_i - u_i \times b_i + \Delta X_i) \times \tan \varphi_i\} \times \frac{\sec \alpha_i}{1 + \tan \alpha_i \times \tan \varphi_i / F}}{\sum W_i \times \sin \alpha_i}$$



I valori di  $F$  e di  $\Delta X$  per ogni elemento che soddisfano questa equazione danno una soluzione rigorosa al problema. Come prima approssimazione conviene porre  $\Delta X = 0$  ed iterare per il calcolo del fattore di sicurezza, tale procedimento è noto come metodo di **Bishop ordinario**, gli errori commessi rispetto al metodo completo sono di circa 1 %.

**1 Analisi di stabilità dei pendii con BISHOP lungo la Sezione 1 Ante e Post operam (superfici con fattore di sicurezza inferiore a 1.1)**

Calcolo eseguito secondo	Utente
Numero di strati	2.0
Numero dei conci	50.0
Grado di sicurezza ritenuto accettabile	1.1
Coefficiente parziale resistenza	1.0
Analisi	Condizione drenata
Superficie di forma circolare	

**Maglia dei Centri**

Ascissa vertice sinistro inferiore xi	92.22 m
Ordinata vertice sinistro inferiore yi	186.53 m
Ascissa vertice destro superiore xs	487.65 m
Ordinata vertice destro superiore ys	286.99 m
Passo di ricerca	10.0
Numero di celle lungo x	10.0
Numero di celle lungo y	10.0

**Sisma**

Coefficiente azione sismica orizzontale	0.086
Coefficiente azione sismica verticale	0.043

**Vertici profilo**

Nr	X (m)	y (m)
1	25.54	43.85
2	50.81	48.85
3	69.06	50.85
4	83.1	51.85
5	109.77	56.85
6	123.81	57.85
7	157.51	64.85
8	209.45	77.85
9	219.28	81.85
10	229.1	83.85
11	275.43	97.85
12	288.07	100.85
13	307.72	101.85
14	356.86	113.85
15	391.96	125.85
16	403.19	126.85
17	435.48	137.85
18	442.5	138.85
19	473.39	148.85
20	484.62	151.85
21	549.2	174.85

**Vertici strato .....I**

N	X (m)	y (m)
---	----------	----------

1	25.54	37.23
2	52.38	42.26
3	65.02	44.26
4	80.46	44.26
5	108.54	50.26
6	122.58	50.26
7	146.45	56.26
8	174.52	62.26
9	198.39	68.26
10	209.62	71.26
11	219.45	75.26
12	226.47	75.26
13	267.18	89.26
14	274.2	91.26
15	284.03	94.26
16	295.26	95.26
17	306.49	95.26
18	354.22	107.26
19	370.07	114.55
20	380.2	121.82
21	391.96	125.85
22	403.19	126.85
23	435.48	137.85
24	442.5	138.85
25	473.39	148.85
26	484.62	151.85
27	549.2	174.85

*Coefficienti parziali azioni*

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Sfavorevoli: Permanenti, variabili	1.0	1.0
Favorevoli: Permanenti, variabili	1.0	1.0

=====

*Coefficienti parziali per i parametri geotecnici del terreno*

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Tangente angolo di resistenza al taglio	1.25
Coesione efficace	1.25
Coesione non drenata	1.4
Riduzione parametri geotecnici terreno	No

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*Stratigrafia*

Strato	Coesione (kN/m <sup>2</sup> )	Coesione non drenata (kN/m <sup>2</sup> )	Angolo resistenza al taglio (°)	Peso unità di volume (kN/m <sup>3</sup> )	Peso unità di volume saturo (kN/m <sup>3</sup> )	Litologia	
1	0		20	19.6		Coltre di frana	
2	18.12		25.4	19.6		UG1	

*Risultati analisi pendio [Utente]*

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Fs minimo individuato	0.9
Ascissa centro superficie	171.31 m
Ordinata centro superficie	246.81 m

$$x_c = 171.306 \quad y_c = 186.528 \quad R_c = 120.014 \quad F_s = 0.991$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.45	-2.7	1.5	6.21	0.53	0.27	0.0	20.0	0.0	6.3	2.3
2	1.45	-2.0	1.5	18.25	1.57	0.78	0.0	20.0	0.0	18.5	6.8
3	1.45	-1.3	1.5	29.79	2.56	1.28	0.0	20.0	0.0	30.1	11.0
4	1.45	-0.7	1.5	40.83	3.51	1.76	0.0	20.0	0.0	41.0	15.1
5	1.45	0.0	1.5	51.38	4.42	2.21	0.0	20.0	0.0	51.4	18.9
6	1.45	0.7	1.5	61.42	5.28	2.64	0.0	20.0	0.0	61.1	22.5
7	1.45	1.4	1.5	70.97	6.1	3.05	0.0	20.0	0.0	70.3	25.8
8	1.45	2.1	1.5	80.01	6.88	3.44	0.0	20.0	0.0	79.0	29.0
9	1.45	2.8	1.5	88.56	7.62	3.81	0.0	20.0	0.0	87.1	32.0
10	1.45	3.5	1.5	96.61	8.31	4.15	0.0	20.0	0.0	94.7	34.8
11	1.45	4.2	1.5	104.15	8.96	4.48	0.0	20.0	0.0	101.7	37.4
12	1.45	4.9	1.5	111.19	9.56	4.78	0.0	20.0	0.0	108.2	39.8
13	1.45	5.6	1.5	117.73	10.12	5.06	0.0	20.0	0.0	114.2	42.0
14	1.45	6.3	1.5	123.76	10.64	5.32	0.0	20.0	0.0	119.7	44.0
15	1.45	7.0	1.5	129.29	11.12	5.56	0.0	20.0	0.0	124.6	45.8
16	1.45	7.7	1.5	134.3	11.55	5.78	0.0	20.0	0.0	129.1	47.4
17	1.45	8.4	1.5	138.81	11.94	5.97	0.0	20.0	0.0	133.1	48.9
18	1.45	9.1	1.5	142.8	12.28	6.14	0.0	20.0	0.0	136.6	50.2
19	1.45	9.8	1.5	146.27	12.58	6.29	0.0	20.0	0.0	139.6	51.3
20	1.45	10.5	1.5	149.21	12.83	6.42	0.0	20.0	0.0	142.1	52.2
21	1.45	11.2	1.5	151.64	13.04	6.52	0.0	20.0	0.0	144.1	53.0
22	1.45	11.9	1.5	153.54	13.2	6.6	0.0	20.0	0.0	145.6	53.5
23	1.45	12.6	1.5	154.9	13.32	6.66	0.0	20.0	0.0	146.7	53.9
24	1.45	13.3	1.5	155.73	13.39	6.7	0.0	20.0	0.0	147.2	54.1
25	1.45	14.0	1.5	156.01	13.42	6.71	0.0	20.0	0.0	147.3	54.1
26	1.45	14.7	1.5	155.75	13.39	6.7	0.0	20.0	0.0	146.9	54.0
27	1.45	15.5	1.5	154.95	13.33	6.66	0.0	20.0	0.0	145.9	53.6
28	1.45	16.2	1.5	153.58	13.21	6.6	0.0	20.0	0.0	144.5	53.1
29	1.45	16.9	1.5	151.65	13.04	6.52	0.0	20.0	0.0	142.6	52.4
30	1.45	17.6	1.5	149.15	12.83	6.41	0.0	20.0	0.0	140.1	51.5
31	1.07	18.3	1.1	107.77	9.27	4.63	0.0	20.0	0.0	101.2	37.2
32	1.83	19.0	1.9	185.89	15.99	7.99	0.0	20.0	0.0	174.5	64.1
33	1.45	19.8	1.5	149.57	12.86	6.43	0.0	20.0	0.0	140.4	51.6
34	1.45	20.6	1.5	151.19	13.0	6.5	0.0	20.0	0.0	141.9	52.1
35	1.45	21.3	1.6	152.2	13.09	6.54	0.0	20.0	0.0	142.9	52.5
36	1.45	22.1	1.6	152.59	13.12	6.56	0.0	20.0	0.0	143.3	52.7
37	1.45	22.8	1.6	152.35	13.1	6.55	0.0	20.0	0.0	143.2	52.6
38	0.74	23.4	0.8	77.37	6.65	3.33	0.0	20.0	0.0	72.7	26.7
39	2.16	24.1	2.4	214.8	18.47	9.24	0.0	20.0	0.0	202.1	74.3
40	1.45	25.1	1.6	131.09	11.27	5.64	0.0	20.0	0.0	123.5	45.4
41	1.45	25.8	1.6	119.84	10.31	5.15	0.0	20.0	0.0	113.0	41.5
42	1.45	26.6	1.6	107.92	9.28	4.64	0.0	20.0	0.0	101.9	37.5
43	1.45	27.4	1.6	95.3	8.2	4.1	0.0	20.0	0.0	90.2	33.1
44	1.86	28.3	2.1	102.74	8.84	4.42	0.0	20.0	0.0	97.4	35.8
45	1.04	29.1	1.2	48.17	4.14	2.07	0.0	20.0	0.0	45.8	16.8
46	1.45	29.8	1.7	58.04	4.99	2.5	0.0	20.0	0.0	55.2	20.3
47	1.45	30.6	1.7	46.54	4.0	2.0	0.0	20.0	0.0	44.4	16.3
48	1.45	31.4	1.7	34.26	2.95	1.47	0.0	20.0	0.0	32.8	12.0

49	1.45	32.2	1.7	21.17	1.82	0.91	0.0	20.0	0.0	20.3	7.5
50	1.45	33.0	1.7	7.27	0.63	0.31	0.0	20.0	0.0	7.0	2.6

$$x_c = 191.078 \quad y_c = 191.551 \quad R_c = 117.483 \quad F_s = 0.927$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.13	2.0	1.1	2.71	0.23	0.12	0.0	20.0	0.0	2.7	1.1
2	1.13	2.5	1.1	7.96	0.68	0.34	0.0	20.0	0.0	7.8	3.1
3	1.13	3.1	1.1	12.97	1.12	0.56	0.0	20.0	0.0	12.7	5.0
4	1.13	3.6	1.1	17.74	1.53	0.76	0.0	20.0	0.0	17.3	6.8
5	1.13	4.2	1.1	22.26	1.91	0.96	0.0	20.0	0.0	21.7	8.5
6	1.13	4.7	1.1	26.55	2.28	1.14	0.0	20.0	0.0	25.8	10.1
7	1.13	5.3	1.1	30.6	2.63	1.32	0.0	20.0	0.0	29.7	11.6
8	1.13	5.8	1.1	34.41	2.96	1.48	0.0	20.0	0.0	33.3	13.1
9	1.13	6.4	1.1	37.97	3.27	1.63	0.0	20.0	0.0	36.6	14.4
10	1.13	6.9	1.1	41.29	3.55	1.78	0.0	20.0	0.0	39.7	15.6
11	1.13	7.5	1.1	44.37	3.82	1.91	0.0	20.0	0.0	42.6	16.7
12	1.13	8.0	1.1	47.2	4.06	2.03	0.0	20.0	0.0	45.2	17.7
13	1.37	8.7	1.4	61.1	5.25	2.63	0.0	20.0	0.0	58.3	22.9
14	0.88	9.2	0.9	42.0	3.61	1.81	0.0	20.0	0.0	40.0	15.7
15	1.13	9.7	1.1	59.21	5.09	2.55	0.0	20.0	0.0	56.3	22.1
16	1.13	10.3	1.1	64.95	5.59	2.79	0.0	20.0	0.0	61.6	24.2
17	1.13	10.8	1.1	70.44	6.06	3.03	0.0	20.0	0.0	66.7	26.2
18	1.13	11.4	1.1	75.68	6.51	3.25	0.0	20.0	0.0	71.5	28.1
19	1.13	11.9	1.2	80.66	6.94	3.47	0.0	20.0	0.0	76.1	29.9
20	1.13	12.5	1.2	85.4	7.34	3.67	0.0	20.0	0.0	80.5	31.6
21	1.13	13.1	1.2	89.87	7.73	3.86	0.0	20.0	0.0	84.6	33.2
22	1.07	13.6	1.1	88.89	7.64	3.82	0.0	20.0	0.0	83.5	32.8
23	1.19	14.2	1.2	100.44	8.64	4.32	0.0	20.0	0.0	94.2	37.0
24	1.13	14.8	1.2	93.88	8.07	4.04	0.0	20.0	0.0	88.0	34.5
25	1.13	15.3	1.2	92.25	7.93	3.97	0.0	20.0	0.0	86.4	33.9
26	1.13	15.9	1.2	90.36	7.77	3.89	0.0	20.0	0.0	84.5	33.2
27	1.13	16.5	1.2	88.2	7.59	3.79	0.0	20.0	0.0	82.4	32.4
28	1.13	17.1	1.2	85.77	7.38	3.69	0.0	20.0	0.0	80.1	31.4
29	1.13	17.6	1.2	83.06	7.14	3.57	0.0	20.0	0.0	77.5	30.4
30	1.13	18.2	1.2	80.08	6.89	3.44	0.0	20.0	0.0	74.7	29.3
31	0.76	18.7	0.8	51.93	4.47	2.23	0.0	20.0	0.0	48.4	19.0
32	1.5	19.3	1.6	100.36	8.63	4.32	0.0	20.0	0.0	93.5	36.7
33	1.13	20.0	1.2	73.95	6.36	3.18	0.0	20.0	0.0	68.9	27.0
34	1.13	20.5	1.2	72.3	6.22	3.11	0.0	20.0	0.0	67.3	26.4
35	1.13	21.1	1.2	70.35	6.05	3.03	0.0	20.0	0.0	65.5	25.7
36	1.13	21.7	1.2	68.11	5.86	2.93	0.0	20.0	0.0	63.4	24.9
37	1.13	22.3	1.2	65.57	5.64	2.82	0.0	20.0	0.0	61.0	24.0
38	1.13	22.9	1.2	62.73	5.4	2.7	0.0	20.0	0.0	58.4	22.9
39	1.13	23.5	1.2	59.59	5.12	2.56	0.0	20.0	0.0	55.5	21.8
40	1.13	24.1	1.2	56.14	4.83	2.41	0.0	20.0	0.0	52.3	20.5
41	1.13	24.7	1.2	52.37	4.5	2.25	0.0	20.0	0.0	48.8	19.2
42	1.13	25.3	1.2	48.29	4.15	2.08	0.0	20.0	0.0	45.0	17.7
43	1.13	25.9	1.3	43.88	3.77	1.89	0.0	20.0	0.0	41.0	16.1
44	1.13	26.5	1.3	39.15	3.37	1.68	0.0	20.0	0.0	36.6	14.4
45	1.13	27.1	1.3	34.08	2.93	1.47	0.0	20.0	0.0	31.9	12.5
46	1.13	27.8	1.3	28.67	2.47	1.23	0.0	20.0	0.0	26.9	10.5
47	1.13	28.4	1.3	22.92	1.97	0.99	0.0	20.0	0.0	21.5	8.4



48	1.13	29.0	1.3	16.82	1.45	0.72	0.0	20.0	0.0	15.8	6.2
49	1.13	29.6	1.3	10.37	0.89	0.45	0.0	20.0	0.0	9.7	3.8
50	1.13	30.3	1.3	3.55	0.31	0.15	0.0	20.0	0.0	3.3	1.3

$x_c = 210.849$   $y_c = 186.528$   $R_c = 104.575$   $F_s = 0.90$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.62	7.2	0.6	0.29	0.03	0.01	0.0	20.0	0.0	0.3	0.1
2	0.62	7.6	0.6	0.85	0.07	0.04	0.0	20.0	0.0	0.8	0.3
3	0.62	7.9	0.6	1.36	0.12	0.06	0.0	20.0	0.0	1.3	0.5
4	0.62	8.2	0.6	1.82	0.16	0.08	0.0	20.0	0.0	1.7	0.7
5	0.62	8.6	0.6	2.24	0.19	0.1	0.0	20.0	0.0	2.1	0.9
6	0.62	8.9	0.6	2.61	0.22	0.11	0.0	20.0	0.0	2.5	1.0
7	0.62	9.3	0.6	2.93	0.25	0.13	0.0	20.0	0.0	2.8	1.1
8	0.62	9.6	0.6	3.21	0.28	0.14	0.0	20.0	0.0	3.0	1.2
9	0.47	9.9	0.5	2.57	0.22	0.11	0.0	20.0	0.0	2.4	1.0
10	0.77	10.3	0.8	5.07	0.44	0.22	0.0	20.0	0.0	4.8	1.9
11	0.62	10.7	0.6	5.06	0.44	0.22	0.0	20.0	0.0	4.8	1.9
12	0.62	11.0	0.6	5.89	0.51	0.25	0.0	20.0	0.0	5.6	2.3
13	0.62	11.3	0.6	6.68	0.57	0.29	0.0	20.0	0.0	6.3	2.5
14	0.62	11.7	0.6	7.42	0.64	0.32	0.0	20.0	0.0	7.0	2.8
15	0.62	12.0	0.6	8.11	0.7	0.35	0.0	20.0	0.0	7.6	3.1
16	0.62	12.4	0.6	8.76	0.75	0.38	0.0	20.0	0.0	8.2	3.3
17	0.62	12.7	0.6	9.35	0.8	0.4	0.0	20.0	0.0	8.8	3.6
18	0.62	13.1	0.6	9.9	0.85	0.43	0.0	20.0	0.0	9.3	3.8
19	0.62	13.4	0.6	10.4	0.89	0.45	0.0	20.0	0.0	9.8	3.9
20	0.62	13.8	0.6	10.85	0.93	0.47	0.0	20.0	0.0	10.2	4.1
21	0.62	14.1	0.6	11.26	0.97	0.48	0.0	20.0	0.0	10.5	4.3
22	0.62	14.5	0.6	11.61	1.0	0.5	0.0	20.0	0.0	10.9	4.4
23	0.62	14.8	0.6	11.92	1.02	0.51	0.0	20.0	0.0	11.1	4.5
24	0.62	15.2	0.6	12.17	1.05	0.52	0.0	20.0	0.0	11.4	4.6
25	0.62	15.5	0.6	12.38	1.06	0.53	0.0	20.0	0.0	11.6	4.7
26	0.62	15.9	0.6	12.54	1.08	0.54	0.0	20.0	0.0	11.7	4.7
27	0.62	16.2	0.6	12.64	1.09	0.54	0.0	20.0	0.0	11.8	4.8
28	0.62	16.6	0.6	12.7	1.09	0.55	0.0	20.0	0.0	11.8	4.8
29	0.62	16.9	0.6	12.71	1.09	0.55	0.0	20.0	0.0	11.8	4.8
30	0.62	17.3	0.6	12.66	1.09	0.54	0.0	20.0	0.0	11.8	4.8
31	0.62	17.7	0.6	12.57	1.08	0.54	0.0	20.0	0.0	11.7	4.7
32	0.62	18.0	0.7	12.42	1.07	0.53	0.0	20.0	0.0	11.5	4.7
33	0.62	18.4	0.7	12.22	1.05	0.53	0.0	20.0	0.0	11.4	4.6
34	0.62	18.7	0.7	11.97	1.03	0.51	0.0	20.0	0.0	11.1	4.5
35	0.62	19.1	0.7	11.67	1.0	0.5	0.0	20.0	0.0	10.8	4.4
36	0.62	19.4	0.7	11.31	0.97	0.49	0.0	20.0	0.0	10.5	4.2
37	0.62	19.8	0.7	10.9	0.94	0.47	0.0	20.0	0.0	10.1	4.1
38	0.62	20.2	0.7	10.44	0.9	0.45	0.0	20.0	0.0	9.7	3.9
39	0.62	20.5	0.7	9.93	0.85	0.43	0.0	20.0	0.0	9.2	3.7
40	0.62	20.9	0.7	9.36	0.8	0.4	0.0	20.0	0.0	8.7	3.5
41	0.62	21.3	0.7	8.73	0.75	0.38	0.0	20.0	0.0	8.1	3.3
42	0.62	21.6	0.7	8.05	0.69	0.35	0.0	20.0	0.0	7.5	3.0
43	0.62	22.0	0.7	7.32	0.63	0.31	0.0	20.0	0.0	6.8	2.7
44	0.62	22.3	0.7	6.53	0.56	0.28	0.0	20.0	0.0	6.1	2.4
45	0.62	22.7	0.7	5.68	0.49	0.24	0.0	20.0	0.0	5.3	2.1
46	0.62	23.1	0.7	4.78	0.41	0.21	0.0	20.0	0.0	4.4	1.8

47	0.62	23.5	0.7	3.82	0.33	0.16	0.0	20.0	0.0	3.5	1.4
48	0.62	23.8	0.7	2.8	0.24	0.12	0.0	20.0	0.0	2.6	1.1
49	0.62	24.2	0.7	1.72	0.15	0.07	0.0	20.0	0.0	1.6	0.6
50	0.62	24.6	0.7	0.59	0.05	0.03	0.0	20.0	0.0	0.5	0.2

$$x_c = 230.621 \quad y_c = 191.551 \quad R_c = 108.534 \quad F_s = 0.949$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.3	-2.3	1.3	4.06	0.35	0.17	0.0	20.0	0.0	4.1	1.6
2	1.3	-1.6	1.3	11.9	1.02	0.51	0.0	20.0	0.0	12.0	4.6
3	0.91	-1.0	0.9	12.87	1.11	0.55	0.0	20.0	0.0	13.0	5.0
4	1.68	-0.4	1.7	35.57	3.06	1.53	0.0	20.0	0.0	35.7	13.7
5	1.3	0.4	1.3	38.86	3.34	1.67	0.0	20.0	0.0	38.8	14.9
6	1.3	1.1	1.3	48.37	4.16	2.08	0.0	20.0	0.0	48.0	18.4
7	1.3	1.8	1.3	57.48	4.94	2.47	0.0	20.0	0.0	56.8	21.8
8	1.3	2.5	1.3	66.2	5.69	2.85	0.0	20.0	0.0	65.2	25.0
9	1.3	3.2	1.3	74.53	6.41	3.2	0.0	20.0	0.0	73.1	28.0
10	1.3	3.9	1.3	82.46	7.09	3.55	0.0	20.0	0.0	80.6	30.9
11	1.3	4.5	1.3	89.99	7.74	3.87	0.0	20.0	0.0	87.6	33.6
12	1.3	5.2	1.3	97.13	8.35	4.18	0.0	20.0	0.0	94.2	36.1
13	1.3	5.9	1.3	103.87	8.93	4.47	0.0	20.0	0.0	100.4	38.5
14	1.3	6.6	1.3	110.21	9.48	4.74	0.0	20.0	0.0	106.2	40.8
15	1.3	7.3	1.3	116.15	9.99	4.99	0.0	20.0	0.0	111.6	42.8
16	1.3	8.0	1.3	121.68	10.46	5.23	0.0	20.0	0.0	116.6	44.7
17	1.3	8.7	1.3	126.81	10.91	5.45	0.0	20.0	0.0	121.2	46.5
18	1.3	9.4	1.3	131.54	11.31	5.66	0.0	20.0	0.0	125.4	48.1
19	1.3	10.1	1.3	135.85	11.68	5.84	0.0	20.0	0.0	129.2	49.6
20	1.3	10.8	1.3	139.76	12.02	6.01	0.0	20.0	0.0	132.6	50.9
21	1.3	11.5	1.3	143.24	12.32	6.16	0.0	20.0	0.0	135.6	52.0
22	1.3	12.2	1.3	146.32	12.58	6.29	0.0	20.0	0.0	138.3	53.0
23	1.3	12.9	1.3	148.97	12.81	6.41	0.0	20.0	0.0	140.5	53.9
24	1.3	13.6	1.3	151.19	13.0	6.5	0.0	20.0	0.0	142.4	54.6
25	1.3	14.3	1.3	152.99	13.16	6.58	0.0	20.0	0.0	143.8	55.2
26	1.3	15.0	1.3	154.35	13.27	6.64	0.0	20.0	0.0	144.9	55.6
27	1.3	15.7	1.3	155.28	13.35	6.68	0.0	20.0	0.0	145.6	55.9
28	1.3	16.4	1.4	155.77	13.4	6.7	0.0	20.0	0.0	145.9	56.0
29	1.3	17.1	1.4	155.82	13.4	6.7	0.0	20.0	0.0	145.8	55.9
30	1.3	17.8	1.4	155.41	13.37	6.68	0.0	20.0	0.0	145.3	55.7
31	1.3	18.5	1.4	154.55	13.29	6.65	0.0	20.0	0.0	144.4	55.4
32	1.3	19.3	1.4	153.22	13.18	6.59	0.0	20.0	0.0	143.1	54.9
33	1.3	20.0	1.4	151.43	13.02	6.51	0.0	20.0	0.0	141.4	54.2
34	1.3	20.7	1.4	149.17	12.83	6.41	0.0	20.0	0.0	139.3	53.4
35	1.3	21.5	1.4	146.42	12.59	6.3	0.0	20.0	0.0	136.7	52.4
36	1.3	22.2	1.4	143.19	12.31	6.16	0.0	20.0	0.0	133.7	51.3
37	1.3	22.9	1.4	139.46	11.99	6.0	0.0	20.0	0.0	130.3	50.0
38	1.88	23.8	2.1	194.63	16.74	8.37	0.0	20.0	0.0	181.9	69.8
39	0.71	24.6	0.8	70.79	6.09	3.04	0.0	20.0	0.0	66.2	25.4
40	1.3	25.2	1.4	122.98	10.58	5.29	0.0	20.0	0.0	115.1	44.2
41	1.3	25.9	1.4	115.06	9.89	4.95	0.0	20.0	0.0	107.8	41.4
42	1.3	26.7	1.5	106.59	9.17	4.58	0.0	20.0	0.0	100.0	38.4
43	1.3	27.5	1.5	97.57	8.39	4.2	0.0	20.0	0.0	91.7	35.2
44	1.3	28.2	1.5	87.99	7.57	3.78	0.0	20.0	0.0	82.8	31.8
45	1.3	29.0	1.5	77.83	6.69	3.35	0.0	20.0	0.0	73.4	28.2

46	1.3	29.8	1.5	67.08	5.77	2.88	0.0	20.0	0.0	63.4	24.3
47	1.3	30.6	1.5	55.74	4.79	2.4	0.0	20.0	0.0	52.8	20.2
48	1.55	31.5	1.8	51.02	4.39	2.19	0.0	20.0	0.0	48.4	18.6
49	1.04	32.3	1.2	21.97	1.89	0.94	0.0	20.0	0.0	20.9	8.0
50	1.3	33.0	1.5	9.94	0.86	0.43	0.0	20.0	0.0	9.5	3.6

$x_c = 250.393$   $y_c = 186.528$   $R_c = 95.103$   $F_s = 0.999$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.75	2.7	0.8	1.43	0.12	0.06	0.0	20.0	0.0	1.4	0.5
2	0.75	3.1	0.8	4.21	0.36	0.18	0.0	20.0	0.0	4.1	1.5
3	0.75	3.6	0.8	6.91	0.59	0.3	0.0	20.0	0.0	6.8	2.5
4	0.75	4.0	0.8	9.52	0.82	0.41	0.0	20.0	0.0	9.3	3.4
5	0.75	4.5	0.8	12.04	1.04	0.52	0.0	20.0	0.0	11.7	4.3
6	0.75	5.0	0.8	14.48	1.25	0.62	0.0	20.0	0.0	14.1	5.1
7	0.75	5.4	0.8	16.82	1.45	0.72	0.0	20.0	0.0	16.3	5.9
8	0.75	5.9	0.8	19.08	1.64	0.82	0.0	20.0	0.0	18.5	6.7
9	0.75	6.3	0.8	21.24	1.83	0.91	0.0	20.0	0.0	20.5	7.5
10	0.75	6.8	0.8	23.32	2.01	1.0	0.0	20.0	0.0	22.5	8.2
11	0.75	7.2	0.8	25.31	2.18	1.09	0.0	20.0	0.0	24.4	8.9
12	0.75	7.7	0.8	27.21	2.34	1.17	0.0	20.0	0.0	26.2	9.5
13	0.75	8.2	0.8	29.01	2.5	1.25	0.0	20.0	0.0	27.9	10.1
14	0.75	8.6	0.8	30.73	2.64	1.32	0.0	20.0	0.0	29.5	10.7
15	0.75	9.1	0.8	32.36	2.78	1.39	0.0	20.0	0.0	31.0	11.3
16	0.75	9.5	0.8	33.89	2.91	1.46	0.0	20.0	0.0	32.4	11.8
17	0.75	10.0	0.8	35.34	3.04	1.52	0.0	20.0	0.0	33.7	12.3
18	0.75	10.4	0.8	36.69	3.16	1.58	0.0	20.0	0.0	35.0	12.7
19	0.75	10.9	0.8	37.95	3.26	1.63	0.0	20.0	0.0	36.1	13.2
20	0.75	11.4	0.8	39.12	3.36	1.68	0.0	20.0	0.0	37.2	13.5
21	0.75	11.8	0.8	40.19	3.46	1.73	0.0	20.0	0.0	38.2	13.9
22	0.75	12.3	0.8	41.17	3.54	1.77	0.0	20.0	0.0	39.0	14.2
23	0.75	12.8	0.8	42.06	3.62	1.81	0.0	20.0	0.0	39.8	14.5
24	0.75	13.2	0.8	42.85	3.69	1.84	0.0	20.0	0.0	40.5	14.8
25	0.75	13.7	0.8	43.55	3.75	1.87	0.0	20.0	0.0	41.2	15.0
26	0.75	14.2	0.8	44.15	3.8	1.9	0.0	20.0	0.0	41.7	15.2
27	0.75	14.6	0.8	44.66	3.84	1.92	0.0	20.0	0.0	42.1	15.4
28	0.65	15.1	0.7	38.92	3.35	1.67	0.0	20.0	0.0	36.7	13.4
29	0.85	15.5	0.9	51.06	4.39	2.2	0.0	20.0	0.0	48.1	17.5
30	0.75	16.0	0.8	44.41	3.82	1.91	0.0	20.0	0.0	41.8	15.2
31	0.75	16.5	0.8	43.81	3.77	1.88	0.0	20.0	0.0	41.2	15.0
32	0.75	17.0	0.8	43.11	3.71	1.85	0.0	20.0	0.0	40.6	14.8
33	0.75	17.5	0.8	42.3	3.64	1.82	0.0	20.0	0.0	39.8	14.5
34	0.75	17.9	0.8	41.4	3.56	1.78	0.0	20.0	0.0	38.9	14.2
35	0.75	18.4	0.8	40.39	3.47	1.74	0.0	20.0	0.0	38.0	13.8
36	0.75	18.9	0.8	39.28	3.38	1.69	0.0	20.0	0.0	36.9	13.4
37	0.75	19.4	0.8	38.07	3.27	1.64	0.0	20.0	0.0	35.8	13.0
38	0.75	19.8	0.8	36.75	3.16	1.58	0.0	20.0	0.0	34.5	12.6
39	0.75	20.3	0.8	35.33	3.04	1.52	0.0	20.0	0.0	33.2	12.1
40	0.75	20.8	0.8	33.8	2.91	1.45	0.0	20.0	0.0	31.8	11.6
41	0.75	21.3	0.8	32.16	2.77	1.38	0.0	20.0	0.0	30.2	11.0
42	0.75	21.8	0.8	30.42	2.62	1.31	0.0	20.0	0.0	28.6	10.4
43	0.75	22.3	0.8	28.57	2.46	1.23	0.0	20.0	0.0	26.9	9.8
44	0.75	22.8	0.8	26.6	2.29	1.14	0.0	20.0	0.0	25.0	9.1

45	0.5	23.2	0.5	16.48	1.42	0.71	0.0	20.0	0.0	15.5	5.6
46	1.01	23.7	1.1	28.53	2.45	1.23	0.0	20.0	0.0	26.9	9.8
47	0.75	24.3	0.8	16.23	1.4	0.7	0.0	20.0	0.0	15.3	5.6
48	0.75	24.7	0.8	11.74	1.01	0.5	0.0	20.0	0.0	11.1	4.0
49	0.75	25.2	0.8	7.13	0.61	0.31	0.0	20.0	0.0	6.7	2.5
50	0.75	25.7	0.8	2.41	0.21	0.1	0.0	20.0	0.0	2.3	0.8

$$x_c = 171.306 \quad y_c = 196.574 \quad R_c = 130.044 \quad F_s = 0.985$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.56	-2.5	1.6	7.09	0.61	0.3	0.0	20.0	0.0	7.2	2.7
2	1.56	-1.8	1.6	20.82	1.79	0.9	0.0	20.0	0.0	21.1	7.8
3	1.56	-1.1	1.6	33.99	2.92	1.46	0.0	20.0	0.0	34.2	12.6
4	1.56	-0.4	1.6	46.58	4.01	2.0	0.0	20.0	0.0	46.7	17.3
5	1.56	0.3	1.6	58.6	5.04	2.52	0.0	20.0	0.0	58.5	21.6
6	1.56	0.9	1.6	70.05	6.02	3.01	0.0	20.0	0.0	69.6	25.7
7	1.56	1.6	1.6	80.92	6.96	3.48	0.0	20.0	0.0	80.1	29.6
8	1.56	2.3	1.6	91.22	7.84	3.92	0.0	20.0	0.0	89.9	33.2
9	1.56	3.0	1.6	100.95	8.68	4.34	0.0	20.0	0.0	99.2	36.6
10	1.56	3.7	1.6	110.09	9.47	4.73	0.0	20.0	0.0	107.7	39.8
11	1.56	4.4	1.6	118.67	10.21	5.1	0.0	20.0	0.0	115.7	42.7
12	1.56	5.1	1.6	126.66	10.89	5.45	0.0	20.0	0.0	123.1	45.5
13	1.56	5.8	1.6	134.08	11.53	5.77	0.0	20.0	0.0	129.9	48.0
14	1.56	6.5	1.6	140.91	12.12	6.06	0.0	20.0	0.0	136.1	50.3
15	1.56	7.2	1.6	147.16	12.66	6.33	0.0	20.0	0.0	141.7	52.3
16	1.56	7.8	1.6	152.82	13.14	6.57	0.0	20.0	0.0	146.8	54.2
17	1.56	8.5	1.6	157.89	13.58	6.79	0.0	20.0	0.0	151.3	55.9
18	1.56	9.2	1.6	162.37	13.96	6.98	0.0	20.0	0.0	155.2	57.3
19	1.56	9.9	1.6	166.26	14.3	7.15	0.0	20.0	0.0	158.5	58.6
20	1.56	10.6	1.6	169.54	14.58	7.29	0.0	20.0	0.0	161.3	59.6
21	1.56	11.3	1.6	172.22	14.81	7.41	0.0	20.0	0.0	163.5	60.4
22	1.56	12.0	1.6	174.3	14.99	7.49	0.0	20.0	0.0	165.2	61.0
23	1.56	12.7	1.6	175.76	15.12	7.56	0.0	20.0	0.0	166.3	61.4
24	1.56	13.4	1.6	176.6	15.19	7.59	0.0	20.0	0.0	166.8	61.6
25	1.56	14.2	1.6	176.82	15.21	7.6	0.0	20.0	0.0	166.8	61.6
26	1.56	14.9	1.6	176.41	15.17	7.59	0.0	20.0	0.0	166.2	61.4
27	1.56	15.6	1.6	175.37	15.08	7.54	0.0	20.0	0.0	165.1	61.0
28	1.56	16.3	1.6	173.69	14.94	7.47	0.0	20.0	0.0	163.3	60.3
29	0.88	16.9	0.9	96.81	8.33	4.16	0.0	20.0	0.0	91.0	33.6
30	2.24	17.6	2.4	250.67	21.56	10.78	0.0	20.0	0.0	235.4	86.9
31	1.56	18.5	1.6	179.21	15.41	7.71	0.0	20.0	0.0	168.2	62.1
32	1.56	19.2	1.7	182.38	15.68	7.84	0.0	20.0	0.0	171.1	63.2
33	1.56	19.9	1.7	184.86	15.9	7.95	0.0	20.0	0.0	173.4	64.0
34	1.56	20.6	1.7	186.65	16.05	8.03	0.0	20.0	0.0	175.1	64.7
35	1.34	21.3	1.4	161.36	13.88	6.94	0.0	20.0	0.0	151.4	55.9
36	1.78	22.1	1.9	208.2	17.91	8.95	0.0	20.0	0.0	195.4	72.2
37	1.56	22.9	1.7	171.85	14.78	7.39	0.0	20.0	0.0	161.4	59.6
38	1.56	23.6	1.7	161.07	13.85	6.93	0.0	20.0	0.0	151.3	55.9
39	1.56	24.4	1.7	149.54	12.86	6.43	0.0	20.0	0.0	140.6	51.9
40	1.56	25.1	1.7	137.25	11.8	5.9	0.0	20.0	0.0	129.2	47.7
41	1.8	25.9	2.0	142.38	12.24	6.12	0.0	20.0	0.0	134.2	49.6
42	1.32	26.7	1.5	93.83	8.07	4.03	0.0	20.0	0.0	88.6	32.7
43	1.56	27.4	1.8	102.02	8.77	4.39	0.0	20.0	0.0	96.4	35.6

44	1.56	28.2	1.8	91.26	7.85	3.92	0.0	20.0	0.0	86.4	31.9
45	1.56	29.0	1.8	79.66	6.85	3.43	0.0	20.0	0.0	75.6	27.9
46	1.56	29.8	1.8	67.21	5.78	2.89	0.0	20.0	0.0	63.9	23.6
47	1.56	30.6	1.8	53.88	4.63	2.32	0.0	20.0	0.0	51.4	19.0
48	1.56	31.4	1.8	39.65	3.41	1.71	0.0	20.0	0.0	37.9	14.0
49	1.56	32.2	1.8	24.5	2.11	1.05	0.0	20.0	0.0	23.5	8.7
50	1.56	33.0	1.9	8.41	0.72	0.36	0.0	20.0	0.0	8.1	3.0

$$x_c = 191.078 \quad y_c = 201.597 \quad R_c = 127.509 \quad F_s = 0.927$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.24	1.9	1.2	3.29	0.28	0.14	0.0	20.0	0.0	3.3	1.3
2	1.24	2.4	1.2	9.66	0.83	0.42	0.0	20.0	0.0	9.5	3.7
3	1.24	3.0	1.2	15.73	1.35	0.68	0.0	20.0	0.0	15.4	6.1
4	1.24	3.5	1.2	21.51	1.85	0.93	0.0	20.0	0.0	21.0	8.3
5	1.24	4.1	1.2	27.0	2.32	1.16	0.0	20.0	0.0	26.3	10.3
6	1.24	4.7	1.2	32.2	2.77	1.38	0.0	20.0	0.0	31.3	12.3
7	1.24	5.2	1.2	37.11	3.19	1.6	0.0	20.0	0.0	36.0	14.1
8	1.24	5.8	1.2	41.72	3.59	1.79	0.0	20.0	0.0	40.3	15.8
9	1.24	6.3	1.2	46.04	3.96	1.98	0.0	20.0	0.0	44.4	17.4
10	1.24	6.9	1.2	50.06	4.31	2.15	0.0	20.0	0.0	48.1	18.9
11	1.24	7.4	1.2	53.79	4.63	2.31	0.0	20.0	0.0	51.6	20.3
12	1.23	8.0	1.2	56.85	4.89	2.44	0.0	20.0	0.0	54.4	21.4
13	1.24	8.6	1.3	63.08	5.43	2.71	0.0	20.0	0.0	60.2	23.7
14	1.24	9.1	1.3	70.24	6.04	3.02	0.0	20.0	0.0	66.9	26.3
15	1.24	9.7	1.3	77.46	6.66	3.33	0.0	20.0	0.0	73.6	28.9
16	1.24	10.3	1.3	84.38	7.26	3.63	0.0	20.0	0.0	80.1	31.4
17	1.24	10.8	1.3	90.99	7.83	3.91	0.0	20.0	0.0	86.2	33.9
18	1.24	11.4	1.3	97.3	8.37	4.18	0.0	20.0	0.0	92.0	36.1
19	1.24	12.0	1.3	103.3	8.88	4.44	0.0	20.0	0.0	97.5	38.3
20	1.17	12.5	1.2	103.08	8.87	4.43	0.0	20.0	0.0	97.1	38.2
21	1.3	13.1	1.3	116.89	10.05	5.03	0.0	20.0	0.0	110.0	43.2
22	1.24	13.7	1.3	109.97	9.46	4.73	0.0	20.0	0.0	103.3	40.6
23	1.24	14.2	1.3	108.63	9.34	4.67	0.0	20.0	0.0	101.9	40.0
24	1.24	14.8	1.3	106.97	9.2	4.6	0.0	20.0	0.0	100.2	39.4
25	1.24	15.4	1.3	104.99	9.03	4.51	0.0	20.0	0.0	98.3	38.6
26	1.24	16.0	1.3	102.68	8.83	4.42	0.0	20.0	0.0	96.0	37.7
27	1.24	16.5	1.3	100.05	8.6	4.3	0.0	20.0	0.0	93.5	36.7
28	1.11	17.1	1.2	87.55	7.53	3.76	0.0	20.0	0.0	81.7	32.1
29	1.36	17.7	1.4	105.12	9.04	4.52	0.0	20.0	0.0	98.0	38.5
30	1.24	18.3	1.3	94.89	8.16	4.08	0.0	20.0	0.0	88.5	34.7
31	1.24	18.9	1.3	93.87	8.07	4.04	0.0	20.0	0.0	87.5	34.4
32	1.24	19.5	1.3	92.52	7.96	3.98	0.0	20.0	0.0	86.2	33.8
33	1.24	20.0	1.3	90.81	7.81	3.9	0.0	20.0	0.0	84.5	33.2
34	1.24	20.6	1.3	88.76	7.63	3.82	0.0	20.0	0.0	82.6	32.5
35	1.24	21.2	1.3	86.35	7.43	3.71	0.0	20.0	0.0	80.4	31.6
36	1.24	21.8	1.3	83.59	7.19	3.59	0.0	20.0	0.0	77.8	30.6
37	1.24	22.4	1.3	80.46	6.92	3.46	0.0	20.0	0.0	74.9	29.4
38	1.24	23.0	1.3	76.97	6.62	3.31	0.0	20.0	0.0	71.7	28.2
39	1.24	23.6	1.3	73.1	6.29	3.14	0.0	20.0	0.0	68.1	26.7
40	1.24	24.2	1.4	68.86	5.92	2.96	0.0	20.0	0.0	64.2	25.2
41	1.24	24.9	1.4	64.23	5.52	2.76	0.0	20.0	0.0	59.9	23.5
42	1.24	25.5	1.4	59.22	5.09	2.55	0.0	20.0	0.0	55.3	21.7

43	1.24	26.1	1.4	53.81	4.63	2.31	0.0	20.0	0.0	50.2	19.7
44	1.24	26.7	1.4	48.0	4.13	2.06	0.0	20.0	0.0	44.9	17.6
45	1.24	27.3	1.4	41.78	3.59	1.8	0.0	20.0	0.0	39.1	15.4
46	1.24	28.0	1.4	35.15	3.02	1.51	0.0	20.0	0.0	32.9	12.9
47	1.24	28.6	1.4	28.1	2.42	1.21	0.0	20.0	0.0	26.4	10.4
48	1.24	29.2	1.4	20.62	1.77	0.89	0.0	20.0	0.0	19.4	7.6
49	1.24	29.9	1.4	12.71	1.09	0.55	0.0	20.0	0.0	12.0	4.7
50	1.24	30.5	1.4	4.35	0.37	0.19	0.0	20.0	0.0	4.1	1.6

$x_c = 210.849$   $y_c = 196.574$   $R_c = 114.598$   $F_s = 0.90$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.75	6.4	0.8	0.52	0.04	0.02	0.0	20.0	0.0	0.5	0.2
2	0.75	6.7	0.8	1.49	0.13	0.06	0.0	20.0	0.0	1.4	0.6
3	0.75	7.1	0.8	2.4	0.21	0.1	0.0	20.0	0.0	2.3	0.9
4	0.75	7.5	0.8	3.23	0.28	0.14	0.0	20.0	0.0	3.1	1.3
5	0.75	7.9	0.8	3.98	0.34	0.17	0.0	20.0	0.0	3.8	1.5
6	0.75	8.3	0.8	4.67	0.4	0.2	0.0	20.0	0.0	4.5	1.8
7	0.75	8.6	0.8	5.27	0.45	0.23	0.0	20.0	0.0	5.0	2.0
8	0.66	9.0	0.7	5.04	0.43	0.22	0.0	20.0	0.0	4.8	1.9
9	0.85	9.4	0.9	7.71	0.66	0.33	0.0	20.0	0.0	7.3	3.0
10	0.75	9.8	0.8	8.41	0.72	0.36	0.0	20.0	0.0	8.0	3.2
11	0.75	10.2	0.8	9.81	0.84	0.42	0.0	20.0	0.0	9.3	3.8
12	0.75	10.5	0.8	11.13	0.96	0.48	0.0	20.0	0.0	10.5	4.3
13	0.75	10.9	0.8	12.37	1.06	0.53	0.0	20.0	0.0	11.7	4.7
14	0.75	11.3	0.8	13.54	1.16	0.58	0.0	20.0	0.0	12.8	5.2
15	0.75	11.7	0.8	14.63	1.26	0.63	0.0	20.0	0.0	13.8	5.6
16	0.75	12.1	0.8	15.64	1.35	0.67	0.0	20.0	0.0	14.7	6.0
17	0.75	12.5	0.8	16.58	1.43	0.71	0.0	20.0	0.0	15.6	6.3
18	0.75	12.8	0.8	17.44	1.5	0.75	0.0	20.0	0.0	16.4	6.6
19	0.75	13.2	0.8	18.22	1.57	0.78	0.0	20.0	0.0	17.1	6.9
20	0.75	13.6	0.8	18.92	1.63	0.81	0.0	20.0	0.0	17.7	7.2
21	0.75	14.0	0.8	19.54	1.68	0.84	0.0	20.0	0.0	18.3	7.4
22	0.75	14.4	0.8	20.08	1.73	0.86	0.0	20.0	0.0	18.8	7.6
23	0.75	14.8	0.8	20.55	1.77	0.88	0.0	20.0	0.0	19.2	7.8
24	0.75	15.2	0.8	20.93	1.8	0.9	0.0	20.0	0.0	19.5	7.9
25	0.75	15.6	0.8	21.23	1.83	0.91	0.0	20.0	0.0	19.8	8.0
26	0.75	16.0	0.8	21.45	1.85	0.92	0.0	20.0	0.0	20.0	8.1
27	0.75	16.3	0.8	21.6	1.86	0.93	0.0	20.0	0.0	20.1	8.1
28	0.75	16.7	0.8	21.65	1.86	0.93	0.0	20.0	0.0	20.2	8.2
29	0.75	17.1	0.8	21.63	1.86	0.93	0.0	20.0	0.0	20.1	8.1
30	0.75	17.5	0.8	21.52	1.85	0.93	0.0	20.0	0.0	20.0	8.1
31	0.75	17.9	0.8	21.33	1.83	0.92	0.0	20.0	0.0	19.8	8.0
32	0.75	18.3	0.8	21.06	1.81	0.91	0.0	20.0	0.0	19.6	7.9
33	0.75	18.7	0.8	20.7	1.78	0.89	0.0	20.0	0.0	19.2	7.8
34	0.75	19.1	0.8	20.25	1.74	0.87	0.0	20.0	0.0	18.8	7.6
35	0.75	19.5	0.8	19.72	1.7	0.85	0.0	20.0	0.0	18.3	7.4
36	0.75	19.9	0.8	19.11	1.64	0.82	0.0	20.0	0.0	17.7	7.2
37	0.75	20.3	0.8	18.4	1.58	0.79	0.0	20.0	0.0	17.1	6.9
38	0.75	20.7	0.8	17.61	1.51	0.76	0.0	20.0	0.0	16.3	6.6
39	0.75	21.1	0.8	16.73	1.44	0.72	0.0	20.0	0.0	15.5	6.3
40	0.75	21.5	0.8	15.76	1.36	0.68	0.0	20.0	0.0	14.6	5.9
41	0.75	21.9	0.8	14.7	1.26	0.63	0.0	20.0	0.0	13.6	5.5

42	0.75	22.3	0.8	13.55	1.17	0.58	0.0	20.0	0.0	12.6	5.1
43	0.75	22.7	0.8	12.31	1.06	0.53	0.0	20.0	0.0	11.4	4.6
44	0.75	23.1	0.8	10.98	0.94	0.47	0.0	20.0	0.0	10.2	4.1
45	0.75	23.5	0.8	9.55	0.82	0.41	0.0	20.0	0.0	8.9	3.6
46	0.75	23.9	0.8	8.03	0.69	0.35	0.0	20.0	0.0	7.4	3.0
47	0.75	24.4	0.8	6.42	0.55	0.28	0.0	20.0	0.0	6.0	2.4
48	0.75	24.8	0.8	4.7	0.4	0.2	0.0	20.0	0.0	4.4	1.8
49	0.75	25.2	0.8	2.9	0.25	0.12	0.0	20.0	0.0	2.7	1.1
50	0.75	25.6	0.8	0.99	0.09	0.04	0.0	20.0	0.0	0.9	0.4

$x_c = 250.393$   $y_c = 196.574$   $R_c = 105.121$   $F_s = 1.035$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.8	2.5	0.8	1.64	0.14	0.07	0.0	20.0	0.0	1.6	0.6
2	0.8	2.9	0.8	4.83	0.42	0.21	0.0	20.0	0.0	4.8	1.7
3	0.8	3.4	0.8	7.94	0.68	0.34	0.0	20.0	0.0	7.8	2.7
4	0.8	3.8	0.8	10.94	0.94	0.47	0.0	20.0	0.0	10.7	3.8
5	0.8	4.2	0.8	13.85	1.19	0.6	0.0	20.0	0.0	13.5	4.8
6	0.8	4.7	0.8	16.67	1.43	0.72	0.0	20.0	0.0	16.3	5.7
7	0.8	5.1	0.8	19.38	1.67	0.83	0.0	20.0	0.0	18.9	6.6
8	0.8	5.5	0.8	22.01	1.89	0.95	0.0	20.0	0.0	21.4	7.5
9	0.8	6.0	0.8	24.53	2.11	1.05	0.0	20.0	0.0	23.8	8.4
10	0.8	6.4	0.8	26.96	2.32	1.16	0.0	20.0	0.0	26.1	9.2
11	0.8	6.9	0.8	29.29	2.52	1.26	0.0	20.0	0.0	28.3	9.9
12	0.8	7.3	0.8	31.52	2.71	1.36	0.0	20.0	0.0	30.4	10.7
13	0.8	7.7	0.8	33.66	2.89	1.45	0.0	20.0	0.0	32.4	11.4
14	0.8	8.2	0.8	35.69	3.07	1.53	0.0	20.0	0.0	34.3	12.1
15	0.8	8.6	0.8	37.63	3.24	1.62	0.0	20.0	0.0	36.1	12.7
16	0.8	9.1	0.8	39.47	3.39	1.7	0.0	20.0	0.0	37.8	13.3
17	0.8	9.5	0.8	41.21	3.54	1.77	0.0	20.0	0.0	39.5	13.9
18	0.8	9.9	0.8	42.85	3.69	1.84	0.0	20.0	0.0	41.0	14.4
19	0.8	10.4	0.8	44.39	3.82	1.91	0.0	20.0	0.0	42.4	14.9
20	0.8	10.8	0.8	45.83	3.94	1.97	0.0	20.0	0.0	43.7	15.4
21	0.8	11.3	0.8	47.17	4.06	2.03	0.0	20.0	0.0	45.0	15.8
22	0.8	11.7	0.8	48.41	4.16	2.08	0.0	20.0	0.0	46.1	16.2
23	0.8	12.2	0.8	49.55	4.26	2.13	0.0	20.0	0.0	47.1	16.6
24	0.8	12.6	0.8	50.59	4.35	2.18	0.0	20.0	0.0	48.1	16.9
25	0.8	13.1	0.8	51.52	4.43	2.22	0.0	20.0	0.0	48.9	17.2
26	0.89	13.5	0.9	57.99	4.99	2.49	0.0	20.0	0.0	55.0	19.3
27	0.71	14.0	0.7	47.1	4.05	2.03	0.0	20.0	0.0	44.6	15.7
28	0.8	14.4	0.8	52.56	4.52	2.26	0.0	20.0	0.0	49.8	17.5
29	0.8	14.9	0.8	52.26	4.49	2.25	0.0	20.0	0.0	49.5	17.4
30	0.8	15.3	0.8	51.86	4.46	2.23	0.0	20.0	0.0	49.0	17.2
31	0.8	15.8	0.8	51.35	4.42	2.21	0.0	20.0	0.0	48.5	17.1
32	0.8	16.2	0.8	50.74	4.36	2.18	0.0	20.0	0.0	47.9	16.9
33	0.8	16.7	0.8	50.01	4.3	2.15	0.0	20.0	0.0	47.2	16.6
34	0.8	17.1	0.8	49.18	4.23	2.11	0.0	20.0	0.0	46.4	16.3
35	0.8	17.6	0.8	48.24	4.15	2.07	0.0	20.0	0.0	45.5	16.0
36	0.8	18.0	0.8	47.19	4.06	2.03	0.0	20.0	0.0	44.5	15.7
37	0.8	18.5	0.8	46.02	3.96	1.98	0.0	20.0	0.0	43.4	15.3
38	0.8	19.0	0.8	44.75	3.85	1.92	0.0	20.0	0.0	42.2	14.8
39	0.8	19.4	0.8	43.36	3.73	1.86	0.0	20.0	0.0	40.9	14.4
40	0.8	19.9	0.9	41.86	3.6	1.8	0.0	20.0	0.0	39.5	13.9

41	0.8	20.3	0.9	40.24	3.46	1.73	0.0	20.0	0.0	38.0	13.3
42	0.72	20.8	0.8	34.79	2.99	1.5	0.0	20.0	0.0	32.8	11.5
43	0.88	21.3	0.9	38.97	3.35	1.68	0.0	20.0	0.0	36.8	12.9
44	0.8	21.7	0.9	30.95	2.66	1.33	0.0	20.0	0.0	29.2	10.3
45	0.8	22.2	0.9	26.53	2.28	1.14	0.0	20.0	0.0	25.1	8.8
46	0.8	22.7	0.9	21.98	1.89	0.95	0.0	20.0	0.0	20.8	7.3
47	0.8	23.2	0.9	17.31	1.49	0.74	0.0	20.0	0.0	16.4	5.8
48	0.8	23.6	0.9	12.52	1.08	0.54	0.0	20.0	0.0	11.8	4.2
49	0.8	24.1	0.9	7.61	0.65	0.33	0.0	20.0	0.0	7.2	2.5
50	0.8	24.6	0.9	2.57	0.22	0.11	0.0	20.0	0.0	2.4	0.9

$x_c = 171.306$   $y_c = 206.62$   $R_c = 140.074$   $F_s = 1.012$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.67	-2.3	1.7	8.02	0.69	0.34	0.0	20.0	0.0	8.1	2.9
2	1.67	-1.6	1.7	23.57	2.03	1.01	0.0	20.0	0.0	23.8	8.6
3	1.67	-0.9	1.7	38.46	3.31	1.65	0.0	20.0	0.0	38.7	13.9
4	1.67	-0.2	1.7	52.7	4.53	2.27	0.0	20.0	0.0	52.8	19.0
5	1.67	0.4	1.7	66.29	5.7	2.85	0.0	20.0	0.0	66.1	23.8
6	1.67	1.1	1.7	79.23	6.81	3.41	0.0	20.0	0.0	78.7	28.3
7	1.67	1.8	1.7	91.51	7.87	3.93	0.0	20.0	0.0	90.5	32.5
8	1.67	2.5	1.7	103.14	8.87	4.43	0.0	20.0	0.0	101.6	36.5
9	1.67	3.2	1.7	114.11	9.81	4.91	0.0	20.0	0.0	112.0	40.3
10	1.67	3.9	1.7	124.43	10.7	5.35	0.0	20.0	0.0	121.8	43.8
11	1.67	4.6	1.7	134.1	11.53	5.77	0.0	20.0	0.0	130.8	47.0
12	1.67	5.2	1.7	143.1	12.31	6.15	0.0	20.0	0.0	139.1	50.0
13	1.67	5.9	1.7	151.44	13.02	6.51	0.0	20.0	0.0	146.8	52.8
14	1.67	6.6	1.7	159.12	13.68	6.84	0.0	20.0	0.0	153.8	55.3
15	1.67	7.3	1.7	166.14	14.29	7.14	0.0	20.0	0.0	160.1	57.6
16	1.67	8.0	1.7	172.48	14.83	7.42	0.0	20.0	0.0	165.8	59.6
17	1.67	8.7	1.7	178.16	15.32	7.66	0.0	20.0	0.0	170.8	61.4
18	1.67	9.4	1.7	183.16	15.75	7.88	0.0	20.0	0.0	175.2	63.0
19	1.67	10.1	1.7	187.47	16.12	8.06	0.0	20.0	0.0	179.0	64.3
20	1.67	10.8	1.7	191.11	16.44	8.22	0.0	20.0	0.0	182.1	65.5
21	1.67	11.5	1.7	194.06	16.69	8.34	0.0	20.0	0.0	184.6	66.3
22	1.67	12.2	1.7	196.31	16.88	8.44	0.0	20.0	0.0	186.4	67.0
23	1.67	12.9	1.7	197.87	17.02	8.51	0.0	20.0	0.0	187.6	67.4
24	1.67	13.6	1.7	198.72	17.09	8.54	0.0	20.0	0.0	188.1	67.6
25	1.67	14.3	1.7	198.86	17.1	8.55	0.0	20.0	0.0	188.0	67.6
26	1.67	15.0	1.7	198.29	17.05	8.53	0.0	20.0	0.0	187.3	67.3
27	1.13	15.6	1.2	133.12	11.45	5.72	0.0	20.0	0.0	125.6	45.2
28	2.21	16.3	2.3	266.38	22.91	11.45	0.0	20.0	0.0	251.1	90.3
29	1.67	17.1	1.7	207.84	17.87	8.94	0.0	20.0	0.0	195.8	70.4
30	1.67	17.8	1.8	212.9	18.31	9.15	0.0	20.0	0.0	200.5	72.1
31	1.67	18.5	1.8	217.2	18.68	9.34	0.0	20.0	0.0	204.4	73.5
32	1.67	19.3	1.8	220.74	18.98	9.49	18.12	25.4	0.0	191.4	121.4
33	0.93	19.8	1.0	124.23	10.68	5.34	18.12	25.4	0.0	107.5	68.1
34	2.41	20.6	2.6	313.19	26.93	13.47	0.0	20.0	0.0	294.8	106.0
35	1.67	21.4	1.8	205.02	17.63	8.82	0.0	20.0	0.0	193.0	69.4
36	1.67	22.2	1.8	194.26	16.71	8.35	0.0	20.0	0.0	183.0	65.8
37	1.67	22.9	1.8	182.67	15.71	7.86	0.0	20.0	0.0	172.2	61.9
38	2.4	23.8	2.6	240.99	20.73	10.36	0.0	20.0	0.0	227.4	81.7
39	0.94	24.6	1.0	87.13	7.49	3.75	0.0	20.0	0.0	82.3	29.6



40	1.67	25.2	1.8	148.57	12.78	6.39	0.0	20.0	0.0	140.4	50.5
41	1.67	25.9	1.9	138.95	11.95	5.98	0.0	20.0	0.0	131.5	47.3
42	1.67	26.7	1.9	128.44	11.05	5.52	0.0	20.0	0.0	121.8	43.8
43	1.67	27.5	1.9	117.01	10.06	5.03	0.0	20.0	0.0	111.1	39.9
44	1.67	28.2	1.9	104.65	9.0	4.5	0.0	20.0	0.0	99.6	35.8
45	1.67	29.0	1.9	91.33	7.85	3.93	0.0	20.0	0.0	87.1	31.3
46	1.67	29.8	1.9	77.04	6.63	3.31	0.0	20.0	0.0	73.6	26.5
47	1.67	30.6	1.9	61.75	5.31	2.66	0.0	20.0	0.0	59.2	21.3
48	1.67	31.4	2.0	45.43	3.91	1.95	0.0	20.0	0.0	43.6	15.7
49	1.67	32.2	2.0	28.07	2.41	1.21	0.0	20.0	0.0	27.0	9.7
50	1.67	33.0	2.0	9.63	0.83	0.41	0.0	20.0	0.0	9.3	3.3

$x_c = 191.078$   $y_c = 211.643$   $R_c = 137.536$   $F_s = 0.926$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.34	1.8	1.3	3.92	0.34	0.17	0.0	20.0	0.0	3.9	1.5
2	1.34	2.4	1.3	11.51	0.99	0.5	0.0	20.0	0.0	11.3	4.5
3	1.34	2.9	1.3	18.76	1.61	0.81	0.0	20.0	0.0	18.4	7.2
4	1.34	3.5	1.3	25.65	2.21	1.1	0.0	20.0	0.0	25.1	9.9
5	1.34	4.0	1.3	32.2	2.77	1.38	0.0	20.0	0.0	31.4	12.3
6	1.34	4.6	1.3	38.39	3.3	1.65	0.0	20.0	0.0	37.3	14.7
7	1.34	5.2	1.4	44.24	3.8	1.9	0.0	20.0	0.0	42.9	16.9
8	1.34	5.7	1.4	49.73	4.28	2.14	0.0	20.0	0.0	48.1	18.9
9	1.34	6.3	1.4	54.88	4.72	2.36	0.0	20.0	0.0	52.9	20.8
10	1.34	6.8	1.4	59.67	5.13	2.57	0.0	20.0	0.0	57.4	22.6
11	1.3	7.4	1.3	61.89	5.32	2.66	0.0	20.0	0.0	59.4	23.3
12	1.39	8.0	1.4	73.36	6.31	3.15	0.0	20.0	0.0	70.2	27.6
13	1.34	8.5	1.4	80.43	6.92	3.46	0.0	20.0	0.0	76.8	30.2
14	1.34	9.1	1.4	89.35	7.68	3.84	0.0	20.0	0.0	85.1	33.5
15	1.34	9.7	1.4	97.91	8.42	4.21	0.0	20.0	0.0	93.1	36.6
16	1.34	10.2	1.4	106.11	9.13	4.56	0.0	20.0	0.0	100.7	39.6
17	1.34	10.8	1.4	113.95	9.8	4.9	0.0	20.0	0.0	107.9	42.4
18	1.71	11.5	1.7	156.0	13.42	6.71	0.0	20.0	0.0	147.4	58.0
19	0.98	12.0	1.0	92.06	7.92	3.96	0.0	20.0	0.0	86.8	34.2
20	1.34	12.5	1.4	126.42	10.87	5.44	0.0	20.0	0.0	119.1	46.8
21	1.34	13.1	1.4	125.56	10.8	5.4	0.0	20.0	0.0	118.1	46.4
22	1.34	13.7	1.4	124.33	10.69	5.35	0.0	20.0	0.0	116.8	45.9
23	1.34	14.3	1.4	122.73	10.55	5.28	0.0	20.0	0.0	115.1	45.3
24	1.34	14.8	1.4	120.74	10.38	5.19	0.0	20.0	0.0	113.1	44.5
25	1.34	15.4	1.4	118.37	10.18	5.09	0.0	20.0	0.0	110.8	43.6
26	0.78	15.9	0.8	67.65	5.82	2.91	0.0	20.0	0.0	63.3	24.9
27	1.91	16.5	2.0	163.97	14.1	7.05	0.0	20.0	0.0	153.2	60.2
28	1.34	17.2	1.4	115.63	9.94	4.97	0.0	20.0	0.0	107.9	42.4
29	1.34	17.8	1.4	115.19	9.91	4.95	0.0	20.0	0.0	107.4	42.2
30	1.34	18.3	1.4	114.35	9.83	4.92	0.0	20.0	0.0	106.6	41.9
31	1.34	18.9	1.4	113.1	9.73	4.86	0.0	20.0	0.0	105.4	41.4
32	1.34	19.5	1.4	111.44	9.58	4.79	0.0	20.0	0.0	103.8	40.8
33	1.34	20.1	1.4	109.37	9.41	4.7	0.0	20.0	0.0	101.8	40.0
34	1.34	20.7	1.4	106.88	9.19	4.6	0.0	20.0	0.0	99.5	39.1
35	1.34	21.3	1.4	103.97	8.94	4.47	0.0	20.0	0.0	96.8	38.0
36	1.34	21.9	1.4	100.62	8.65	4.33	0.0	20.0	0.0	93.6	36.8
37	1.34	22.5	1.5	96.84	8.33	4.16	0.0	20.0	0.0	90.1	35.4
38	1.34	23.1	1.5	92.63	7.97	3.98	0.0	20.0	0.0	86.2	33.9

39	1.34	23.8	1.5	87.97	7.56	3.78	0.0	20.0	0.0	81.9	32.2
40	1.34	24.4	1.5	82.85	7.13	3.56	0.0	20.0	0.0	77.2	30.4
41	1.34	25.0	1.5	77.28	6.65	3.32	0.0	20.0	0.0	72.1	28.3
42	1.34	25.6	1.5	71.24	6.13	3.06	0.0	20.0	0.0	66.5	26.1
43	1.34	26.2	1.5	64.73	5.57	2.78	0.0	20.0	0.0	60.4	23.8
44	1.34	26.9	1.5	57.74	4.97	2.48	0.0	20.0	0.0	54.0	21.2
45	1.34	27.5	1.5	50.26	4.32	2.16	0.0	20.0	0.0	47.0	18.5
46	1.34	28.1	1.5	42.28	3.64	1.82	0.0	20.0	0.0	39.6	15.6
47	1.34	28.8	1.5	33.8	2.91	1.45	0.0	20.0	0.0	31.7	12.5
48	1.34	29.4	1.5	24.8	2.13	1.07	0.0	20.0	0.0	23.3	9.2
49	1.34	30.0	1.6	15.28	1.31	0.66	0.0	20.0	0.0	14.4	5.7
50	1.34	30.7	1.6	5.23	0.45	0.22	0.0	20.0	0.0	4.9	1.9

$x_c = 210.849$   $y_c = 206.62$   $R_c = 124.62$   $F_s = 0.90$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.87	5.8	0.9	0.78	0.07	0.03	0.0	20.0	0.0	0.8	0.3
2	0.87	6.2	0.9	2.27	0.2	0.1	0.0	20.0	0.0	2.2	0.9
3	0.87	6.6	0.9	3.65	0.31	0.16	0.0	20.0	0.0	3.5	1.4
4	0.87	7.0	0.9	4.93	0.42	0.21	0.0	20.0	0.0	4.7	1.9
5	0.87	7.4	0.9	6.09	0.52	0.26	0.0	20.0	0.0	5.8	2.4
6	0.87	7.8	0.9	7.15	0.61	0.31	0.0	20.0	0.0	6.8	2.8
7	0.95	8.2	1.0	8.83	0.76	0.38	0.0	20.0	0.0	8.4	3.4
8	0.8	8.6	0.8	8.83	0.76	0.38	0.0	20.0	0.0	8.4	3.4
9	0.87	9.0	0.9	11.77	1.01	0.51	0.0	20.0	0.0	11.2	4.5
10	0.87	9.4	0.9	13.87	1.19	0.6	0.0	20.0	0.0	13.2	5.3
11	0.87	9.8	0.9	15.87	1.36	0.68	0.0	20.0	0.0	15.0	6.1
12	0.87	10.2	0.9	17.75	1.53	0.76	0.0	20.0	0.0	16.8	6.8
13	0.87	10.6	0.9	19.52	1.68	0.84	0.0	20.0	0.0	18.5	7.5
14	0.87	11.0	0.9	21.18	1.82	0.91	0.0	20.0	0.0	20.0	8.1
15	0.87	11.5	0.9	22.73	1.96	0.98	0.0	20.0	0.0	21.4	8.7
16	0.87	11.9	0.9	24.17	2.08	1.04	0.0	20.0	0.0	22.8	9.2
17	0.87	12.3	0.9	25.5	2.19	1.1	0.0	20.0	0.0	24.0	9.7
18	0.87	12.7	0.9	26.71	2.3	1.15	0.0	20.0	0.0	25.1	10.1
19	0.87	13.1	0.9	27.81	2.39	1.2	0.0	20.0	0.0	26.1	10.6
20	0.87	13.5	0.9	28.8	2.48	1.24	0.0	20.0	0.0	27.0	10.9
21	0.87	13.9	0.9	29.67	2.55	1.28	0.0	20.0	0.0	27.8	11.2
22	0.87	14.3	0.9	30.42	2.62	1.31	0.0	20.0	0.0	28.5	11.5
23	0.87	14.8	0.9	31.06	2.67	1.34	0.0	20.0	0.0	29.0	11.7
24	0.87	15.2	0.9	31.59	2.72	1.36	0.0	20.0	0.0	29.5	11.9
25	0.87	15.6	0.9	31.99	2.75	1.38	0.0	20.0	0.0	29.8	12.1
26	0.87	16.0	0.9	32.28	2.78	1.39	0.0	20.0	0.0	30.1	12.2
27	0.87	16.4	0.9	32.45	2.79	1.4	0.0	20.0	0.0	30.2	12.2
28	0.87	16.8	0.9	32.5	2.8	1.4	0.0	20.0	0.0	30.3	12.2
29	0.87	17.3	0.9	32.43	2.79	1.39	0.0	20.0	0.0	30.2	12.2
30	0.87	17.7	0.9	32.24	2.77	1.39	0.0	20.0	0.0	30.0	12.1
31	0.87	18.1	0.9	31.93	2.75	1.37	0.0	20.0	0.0	29.7	12.0
32	0.87	18.5	0.9	31.49	2.71	1.35	0.0	20.0	0.0	29.3	11.8
33	0.87	19.0	0.9	30.93	2.66	1.33	0.0	20.0	0.0	28.7	11.6
34	0.87	19.4	0.9	30.25	2.6	1.3	0.0	20.0	0.0	28.1	11.4
35	0.87	19.8	0.9	29.44	2.53	1.27	0.0	20.0	0.0	27.3	11.0
36	0.87	20.2	0.9	28.51	2.45	1.23	0.0	20.0	0.0	26.4	10.7
37	0.87	20.7	0.9	27.44	2.36	1.18	0.0	20.0	0.0	25.4	10.3

38	0.87	21.1	0.9	26.25	2.26	1.13	0.0	20.0	0.0	24.3	9.8
39	0.87	21.5	0.9	24.93	2.14	1.07	0.0	20.0	0.0	23.1	9.3
40	0.87	22.0	0.9	23.48	2.02	1.01	0.0	20.0	0.0	21.8	8.8
41	0.87	22.4	0.9	21.89	1.88	0.94	0.0	20.0	0.0	20.3	8.2
42	0.87	22.8	0.9	20.18	1.74	0.87	0.0	20.0	0.0	18.7	7.6
43	0.87	23.3	1.0	18.32	1.58	0.79	0.0	20.0	0.0	17.0	6.9
44	0.87	23.7	1.0	16.33	1.4	0.7	0.0	20.0	0.0	15.2	6.1
45	0.87	24.2	1.0	14.21	1.22	0.61	0.0	20.0	0.0	13.2	5.3
46	0.87	24.6	1.0	11.95	1.03	0.51	0.0	20.0	0.0	11.1	4.5
47	0.87	25.0	1.0	9.54	0.82	0.41	0.0	20.0	0.0	8.9	3.6
48	0.87	25.5	1.0	6.99	0.6	0.3	0.0	20.0	0.0	6.5	2.6
49	0.87	25.9	1.0	4.31	0.37	0.19	0.0	20.0	0.0	4.0	1.6
50	0.87	26.4	1.0	1.47	0.13	0.06	0.0	20.0	0.0	1.4	0.6

$x_c = 250.393$   $y_c = 206.62$   $R_c = 115.14$   $F_s = 1.072$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.85	2.3	0.8	1.85	0.16	0.08	0.0	20.0	0.0	1.8	0.6
2	0.85	2.7	0.8	5.46	0.47	0.23	0.0	20.0	0.0	5.4	1.8
3	0.85	3.2	0.8	8.98	0.77	0.39	0.0	20.0	0.0	8.8	3.0
4	0.85	3.6	0.8	12.39	1.07	0.53	0.0	20.0	0.0	12.2	4.1
5	0.85	4.0	0.8	15.7	1.35	0.67	0.0	20.0	0.0	15.4	5.2
6	0.85	4.4	0.8	18.9	1.63	0.81	0.0	20.0	0.0	18.5	6.3
7	0.85	4.8	0.8	22.0	1.89	0.95	0.0	20.0	0.0	21.5	7.3
8	0.85	5.3	0.8	24.99	2.15	1.07	0.0	20.0	0.0	24.3	8.3
9	0.85	5.7	0.8	27.88	2.4	1.2	0.0	20.0	0.0	27.1	9.2
10	0.85	6.1	0.9	30.67	2.64	1.32	0.0	20.0	0.0	29.8	10.1
11	0.85	6.5	0.9	33.35	2.87	1.43	0.0	20.0	0.0	32.3	11.0
12	0.85	7.0	0.9	35.93	3.09	1.54	0.0	20.0	0.0	34.8	11.8
13	0.85	7.4	0.9	38.4	3.3	1.65	0.0	20.0	0.0	37.1	12.6
14	0.85	7.8	0.9	40.77	3.51	1.75	0.0	20.0	0.0	39.3	13.3
15	0.85	8.2	0.9	43.03	3.7	1.85	0.0	20.0	0.0	41.4	14.1
16	0.85	8.7	0.9	45.18	3.89	1.94	0.0	20.0	0.0	43.5	14.7
17	0.85	9.1	0.9	47.23	4.06	2.03	0.0	20.0	0.0	45.4	15.4
18	0.85	9.5	0.9	49.17	4.23	2.11	0.0	20.0	0.0	47.2	16.0
19	0.85	9.9	0.9	51.0	4.39	2.19	0.0	20.0	0.0	48.9	16.6
20	0.85	10.4	0.9	52.73	4.53	2.27	0.0	20.0	0.0	50.5	17.1
21	0.85	10.8	0.9	54.34	4.67	2.34	0.0	20.0	0.0	52.0	17.6
22	0.85	11.2	0.9	55.85	4.8	2.4	0.0	20.0	0.0	53.3	18.1
23	0.85	11.7	0.9	57.25	4.92	2.46	0.0	20.0	0.0	54.6	18.5
24	0.85	12.1	0.9	58.54	5.03	2.52	0.0	20.0	0.0	55.8	18.9
25	0.51	12.4	0.5	35.93	3.09	1.54	0.0	20.0	0.0	34.2	11.6
26	1.18	12.9	1.2	83.7	7.2	3.6	0.0	20.0	0.0	79.7	27.0
27	0.85	13.4	0.9	60.02	5.16	2.58	0.0	20.0	0.0	57.1	19.4
28	0.85	13.8	0.9	59.96	5.16	2.58	0.0	20.0	0.0	57.0	19.3
29	0.85	14.2	0.9	59.79	5.14	2.57	0.0	20.0	0.0	56.8	19.3
30	0.85	14.7	0.9	59.5	5.12	2.56	0.0	20.0	0.0	56.5	19.2
31	0.85	15.1	0.9	59.1	5.08	2.54	0.0	20.0	0.0	56.1	19.0
32	0.85	15.6	0.9	58.58	5.04	2.52	0.0	20.0	0.0	55.6	18.9
33	0.85	16.0	0.9	57.95	4.98	2.49	0.0	20.0	0.0	54.9	18.6
34	0.85	16.4	0.9	57.2	4.92	2.46	0.0	20.0	0.0	54.2	18.4
35	0.85	16.9	0.9	56.34	4.85	2.42	0.0	20.0	0.0	53.4	18.1
36	0.85	17.3	0.9	55.36	4.76	2.38	0.0	20.0	0.0	52.4	17.8

37	0.85	17.8	0.9	54.26	4.67	2.33	0.0	20.0	0.0	51.4	17.4
38	0.85	18.2	0.9	53.04	4.56	2.28	0.0	20.0	0.0	50.2	17.0
39	0.85	18.6	0.9	51.7	4.45	2.22	0.0	20.0	0.0	49.0	16.6
40	0.46	19.0	0.5	27.53	2.37	1.18	0.0	20.0	0.0	26.1	8.8
41	1.23	19.4	1.3	68.61	5.9	2.95	0.0	20.0	0.0	65.0	22.1
42	0.85	20.0	0.9	41.84	3.6	1.8	0.0	20.0	0.0	39.6	13.5
43	0.85	20.4	0.9	37.4	3.22	1.61	0.0	20.0	0.0	35.4	12.0
44	0.85	20.9	0.9	32.83	2.82	1.41	0.0	20.0	0.0	31.1	10.6
45	0.85	21.3	0.9	28.13	2.42	1.21	0.0	20.0	0.0	26.7	9.1
46	0.85	21.8	0.9	23.31	2.0	1.0	0.0	20.0	0.0	22.1	7.5
47	0.85	22.2	0.9	18.36	1.58	0.79	0.0	20.0	0.0	17.4	5.9
48	0.85	22.7	0.9	13.28	1.14	0.57	0.0	20.0	0.0	12.6	4.3
49	0.85	23.1	0.9	8.07	0.69	0.35	0.0	20.0	0.0	7.7	2.6
50	0.85	23.6	0.9	2.72	0.23	0.12	0.0	20.0	0.0	2.6	0.9

$x_c = 151.534$   $y_c = 221.69$   $R_c = 155.821$   $F_s = 0.998$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.15	4.6	1.2	2.23	0.19	0.1	0.0	20.0	0.0	2.2	0.8
2	1.15	5.0	1.2	6.56	0.56	0.28	0.0	20.0	0.0	6.4	2.3
3	1.15	5.4	1.2	10.69	0.92	0.46	0.0	20.0	0.0	10.4	3.8
4	1.15	5.9	1.2	14.62	1.26	0.63	0.0	20.0	0.0	14.2	5.2
5	1.15	6.3	1.2	18.36	1.58	0.79	0.0	20.0	0.0	17.8	6.5
6	1.15	6.7	1.2	21.91	1.88	0.94	0.0	20.0	0.0	21.2	7.7
7	1.15	7.1	1.2	25.26	2.17	1.09	0.0	20.0	0.0	24.3	8.9
8	1.15	7.6	1.2	28.41	2.44	1.22	0.0	20.0	0.0	27.3	10.0
9	1.15	8.0	1.2	31.36	2.7	1.35	0.0	20.0	0.0	30.1	11.0
10	1.15	8.4	1.2	34.12	2.93	1.47	0.0	20.0	0.0	32.7	11.9
11	1.15	8.8	1.2	36.68	3.15	1.58	0.0	20.0	0.0	35.1	12.8
12	1.15	9.3	1.2	39.04	3.36	1.68	0.0	20.0	0.0	37.3	13.6
13	1.15	9.7	1.2	41.2	3.54	1.77	0.0	20.0	0.0	39.3	14.3
14	1.15	10.1	1.2	43.16	3.71	1.86	0.0	20.0	0.0	41.2	15.0
15	1.15	10.6	1.2	44.92	3.86	1.93	0.0	20.0	0.0	42.8	15.6
16	1.15	11.0	1.2	46.48	4.0	2.0	0.0	20.0	0.0	44.2	16.1
17	1.15	11.4	1.2	47.84	4.11	2.06	0.0	20.0	0.0	45.5	16.6
18	1.15	11.9	1.2	48.99	4.21	2.11	0.0	20.0	0.0	46.5	17.0
19	1.15	12.3	1.2	49.93	4.29	2.15	0.0	20.0	0.0	47.3	17.3
20	1.15	12.7	1.2	50.67	4.36	2.18	0.0	20.0	0.0	48.0	17.5
21	1.15	13.2	1.2	51.21	4.4	2.2	0.0	20.0	0.0	48.5	17.7
22	1.15	13.6	1.2	51.53	4.43	2.22	0.0	20.0	0.0	48.7	17.8
23	1.15	14.0	1.2	51.65	4.44	2.22	0.0	20.0	0.0	48.8	17.8
24	1.15	14.5	1.2	51.56	4.43	2.22	0.0	20.0	0.0	48.7	17.7
25	1.15	14.9	1.2	51.25	4.41	2.2	0.0	20.0	0.0	48.3	17.6
26	1.15	15.3	1.2	50.73	4.36	2.18	0.0	20.0	0.0	47.8	17.4
27	1.15	15.8	1.2	50.0	4.3	2.15	0.0	20.0	0.0	47.1	17.2
28	1.15	16.2	1.2	49.06	4.22	2.11	0.0	20.0	0.0	46.2	16.8
29	1.15	16.7	1.2	47.89	4.12	2.06	0.0	20.0	0.0	45.1	16.4
30	1.15	17.1	1.2	46.51	4.0	2.0	0.0	20.0	0.0	43.8	16.0
31	1.15	17.5	1.2	44.91	3.86	1.93	0.0	20.0	0.0	42.2	15.4
32	1.15	18.0	1.2	43.09	3.71	1.85	0.0	20.0	0.0	40.5	14.8
33	1.15	18.4	1.2	41.04	3.53	1.76	0.0	20.0	0.0	38.6	14.1
34	1.15	18.9	1.2	38.77	3.33	1.67	0.0	20.0	0.0	36.4	13.3
35	1.15	19.3	1.2	36.27	3.12	1.56	0.0	20.0	0.0	34.1	12.4

36	1.15	19.8	1.2	33.55	2.89	1.44	0.0	20.0	0.0	31.5	11.5
37	1.15	20.2	1.2	30.59	2.63	1.32	0.0	20.0	0.0	28.7	10.5
38	1.15	20.7	1.2	27.4	2.36	1.18	0.0	20.0	0.0	25.7	9.4
39	1.15	21.1	1.2	23.98	2.06	1.03	0.0	20.0	0.0	22.5	8.2
40	1.16	21.6	1.2	20.4	1.75	0.88	0.0	20.0	0.0	19.2	7.0
41	1.15	22.0	1.2	18.36	1.58	0.79	0.0	20.0	0.0	17.3	6.3
42	1.15	22.5	1.2	18.37	1.58	0.79	0.0	20.0	0.0	17.3	6.3
43	1.15	23.0	1.3	18.06	1.55	0.78	0.0	20.0	0.0	17.0	6.2
44	1.15	23.4	1.3	17.51	1.51	0.75	0.0	20.0	0.0	16.5	6.0
45	1.15	23.9	1.3	16.7	1.44	0.72	0.0	20.0	0.0	15.7	5.7
46	1.15	24.3	1.3	15.65	1.35	0.67	0.0	20.0	0.0	14.7	5.4
47	1.15	24.8	1.3	14.34	1.23	0.62	0.0	20.0	0.0	13.5	4.9
48	1.15	25.3	1.3	12.77	1.1	0.55	0.0	20.0	0.0	12.0	4.4
49	0.62	25.6	0.7	6.16	0.53	0.26	0.0	20.0	0.0	5.8	2.1
50	1.68	26.1	1.9	8.03	0.69	0.35	0.0	20.0	0.0	7.6	2.8

$$x_c = 191.078 \quad y_c = 221.69 \quad R_c = 147.562 \quad F_s = 0.924$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.45	1.7	1.5	4.61	0.4	0.2	0.0	20.0	0.0	4.6	1.8
2	1.45	2.3	1.5	13.53	1.16	0.58	0.0	20.0	0.0	13.3	5.3
3	1.45	2.8	1.5	22.05	1.9	0.95	0.0	20.0	0.0	21.6	8.5
4	1.45	3.4	1.5	30.15	2.59	1.3	0.0	20.0	0.0	29.5	11.6
5	1.45	4.0	1.5	37.84	3.25	1.63	0.0	20.0	0.0	36.9	14.5
6	1.45	4.5	1.5	45.12	3.88	1.94	0.0	20.0	0.0	43.9	17.3
7	1.45	5.1	1.5	51.99	4.47	2.24	0.0	20.0	0.0	50.4	19.9
8	1.45	5.7	1.5	58.44	5.03	2.51	0.0	20.0	0.0	56.5	22.3
9	1.45	6.2	1.5	64.48	5.55	2.77	0.0	20.0	0.0	62.2	24.5
10	1.59	6.8	1.6	76.95	6.62	3.31	0.0	20.0	0.0	74.0	29.1
11	1.32	7.4	1.3	71.14	6.12	3.06	0.0	20.0	0.0	68.2	26.9
12	1.45	8.0	1.5	89.24	7.67	3.84	0.0	20.0	0.0	85.4	33.6
13	1.45	8.5	1.5	100.1	8.61	4.3	0.0	20.0	0.0	95.6	37.6
14	1.45	9.1	1.5	110.54	9.51	4.75	0.0	20.0	0.0	105.3	41.5
15	1.45	9.7	1.5	120.56	10.37	5.18	0.0	20.0	0.0	114.6	45.1
16	1.45	10.2	1.5	130.15	11.19	5.6	0.0	20.0	0.0	123.5	48.6
17	1.24	10.8	1.3	118.32	10.18	5.09	0.0	20.0	0.0	112.1	44.1
18	1.67	11.3	1.7	163.5	14.06	7.03	0.0	20.0	0.0	154.6	60.9
19	1.45	12.0	1.5	142.47	12.25	6.13	0.0	20.0	0.0	134.4	52.9
20	1.45	12.5	1.5	141.9	12.2	6.1	0.0	20.0	0.0	133.7	52.6
21	1.45	13.1	1.5	140.89	12.12	6.06	0.0	20.0	0.0	132.5	52.2
22	1.45	13.7	1.5	139.45	11.99	6.0	0.0	20.0	0.0	131.0	51.6
23	1.45	14.3	1.5	137.55	11.83	5.91	0.0	20.0	0.0	129.0	50.8
24	0.89	14.8	0.9	83.19	7.15	3.58	0.0	20.0	0.0	77.9	30.7
25	2.02	15.3	2.1	188.39	16.2	8.1	0.0	20.0	0.0	176.3	69.4
26	1.45	16.0	1.5	136.88	11.77	5.89	0.0	20.0	0.0	127.9	50.4
27	1.45	16.6	1.5	137.26	11.8	5.9	0.0	20.0	0.0	128.2	50.5
28	1.45	17.2	1.5	137.17	11.8	5.9	0.0	20.0	0.0	128.0	50.4
29	1.45	17.8	1.5	136.62	11.75	5.87	0.0	20.0	0.0	127.4	50.2
30	1.45	18.4	1.5	135.59	11.66	5.83	0.0	20.0	0.0	126.3	49.7
31	1.45	19.0	1.5	134.09	11.53	5.77	0.0	20.0	0.0	124.9	49.2
32	1.45	19.6	1.5	132.1	11.36	5.68	0.0	20.0	0.0	123.0	48.4
33	1.45	20.2	1.5	129.63	11.15	5.57	0.0	20.0	0.0	120.6	47.5
34	1.45	20.8	1.6	126.66	10.89	5.45	0.0	20.0	0.0	117.9	46.4

35	1.45	21.4	1.6	123.19	10.59	5.3	0.0	20.0	0.0	114.6	45.1
36	1.45	22.0	1.6	119.21	10.25	5.13	0.0	20.0	0.0	110.9	43.7
37	1.45	22.6	1.6	114.72	9.87	4.93	0.0	20.0	0.0	106.8	42.0
38	1.45	23.2	1.6	109.72	9.44	4.72	0.0	20.0	0.0	102.1	40.2
39	1.45	23.9	1.6	104.19	8.96	4.48	0.0	20.0	0.0	97.0	38.2
40	1.45	24.5	1.6	98.12	8.44	4.22	0.0	20.0	0.0	91.4	36.0
41	1.45	25.1	1.6	91.52	7.87	3.94	0.0	20.0	0.0	85.3	33.6
42	1.45	25.7	1.6	84.36	7.25	3.63	0.0	20.0	0.0	78.7	31.0
43	1.45	26.3	1.6	76.64	6.59	3.3	0.0	20.0	0.0	71.6	28.2
44	1.45	27.0	1.6	68.36	5.88	2.94	0.0	20.0	0.0	63.9	25.2
45	1.45	27.6	1.6	59.5	5.12	2.56	0.0	20.0	0.0	55.7	21.9
46	1.45	28.3	1.7	50.06	4.31	2.15	0.0	20.0	0.0	46.9	18.5
47	1.45	28.9	1.7	40.02	3.44	1.72	0.0	20.0	0.0	37.5	14.8
48	1.45	29.5	1.7	29.37	2.53	1.26	0.0	20.0	0.0	27.6	10.9
49	1.45	30.2	1.7	18.1	1.56	0.78	0.0	20.0	0.0	17.0	6.7
50	1.45	30.8	1.7	6.19	0.53	0.27	0.0	20.0	0.0	5.8	2.3

$x_c = 210.849$   $y_c = 216.667$   $R_c = 134.643$   $F_s = 0.90$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.99	5.3	1.0	1.1	0.09	0.05	0.0	20.0	0.0	1.1	0.4
2	0.99	5.7	1.0	3.18	0.27	0.14	0.0	20.0	0.0	3.1	1.2
3	0.99	6.1	1.0	5.12	0.44	0.22	0.0	20.0	0.0	4.9	2.0
4	0.99	6.6	1.0	6.91	0.59	0.3	0.0	20.0	0.0	6.6	2.7
5	0.99	7.0	1.0	8.55	0.74	0.37	0.0	20.0	0.0	8.2	3.3
6	1.4	7.5	1.4	14.56	1.25	0.63	0.0	20.0	0.0	13.9	5.6
7	0.59	7.9	0.6	7.24	0.62	0.31	0.0	20.0	0.0	6.9	2.8
8	0.99	8.3	1.0	14.7	1.26	0.63	0.0	20.0	0.0	14.0	5.7
9	0.99	8.7	1.0	17.67	1.52	0.76	0.0	20.0	0.0	16.8	6.8
10	0.99	9.1	1.0	20.5	1.76	0.88	0.0	20.0	0.0	19.5	7.9
11	0.99	9.5	1.0	23.17	1.99	1.0	0.0	20.0	0.0	22.0	8.9
12	0.99	10.0	1.0	25.69	2.21	1.1	0.0	20.0	0.0	24.4	9.8
13	0.99	10.4	1.0	28.07	2.41	1.21	0.0	20.0	0.0	26.6	10.7
14	0.99	10.8	1.0	30.29	2.61	1.3	0.0	20.0	0.0	28.6	11.6
15	0.99	11.3	1.0	32.36	2.78	1.39	0.0	20.0	0.0	30.5	12.3
16	0.99	11.7	1.0	34.29	2.95	1.47	0.0	20.0	0.0	32.3	13.1
17	0.99	12.1	1.0	36.05	3.1	1.55	0.0	20.0	0.0	33.9	13.7
18	0.99	12.6	1.0	37.67	3.24	1.62	0.0	20.0	0.0	35.4	14.3
19	0.99	13.0	1.0	39.13	3.37	1.68	0.0	20.0	0.0	36.7	14.9
20	0.99	13.4	1.0	40.44	3.48	1.74	0.0	20.0	0.0	37.9	15.3
21	0.99	13.9	1.0	41.59	3.58	1.79	0.0	20.0	0.0	38.9	15.7
22	0.99	14.3	1.0	42.58	3.66	1.83	0.0	20.0	0.0	39.8	16.1
23	0.99	14.7	1.0	43.42	3.73	1.87	0.0	20.0	0.0	40.6	16.4
24	0.99	15.2	1.0	44.1	3.79	1.9	0.0	20.0	0.0	41.2	16.6
25	0.99	15.6	1.0	44.61	3.84	1.92	0.0	20.0	0.0	41.6	16.8
26	0.99	16.1	1.0	44.97	3.87	1.93	0.0	20.0	0.0	41.9	16.9
27	0.99	16.5	1.0	45.17	3.88	1.94	0.0	20.0	0.0	42.1	17.0
28	0.99	16.9	1.0	45.2	3.89	1.94	0.0	20.0	0.0	42.1	17.0
29	0.99	17.4	1.0	45.07	3.88	1.94	0.0	20.0	0.0	41.9	17.0
30	0.99	17.8	1.0	44.78	3.85	1.93	0.0	20.0	0.0	41.6	16.8
31	0.99	18.3	1.0	44.32	3.81	1.91	0.0	20.0	0.0	41.2	16.6
32	0.99	18.7	1.1	43.69	3.76	1.88	0.0	20.0	0.0	40.6	16.4
33	0.99	19.2	1.1	42.9	3.69	1.84	0.0	20.0	0.0	39.8	16.1

34	0.99	19.6	1.1	41.93	3.61	1.8	0.0	20.0	0.0	38.9	15.7
35	0.99	20.1	1.1	40.8	3.51	1.75	0.0	20.0	0.0	37.8	15.3
36	0.99	20.5	1.1	39.48	3.4	1.7	0.0	20.0	0.0	36.6	14.8
37	0.99	21.0	1.1	38.0	3.27	1.63	0.0	20.0	0.0	35.2	14.2
38	0.99	21.4	1.1	36.34	3.13	1.56	0.0	20.0	0.0	33.7	13.6
39	0.99	21.9	1.1	34.5	2.97	1.48	0.0	20.0	0.0	32.0	12.9
40	0.99	22.3	1.1	32.49	2.79	1.4	0.0	20.0	0.0	30.1	12.2
41	0.99	22.8	1.1	30.29	2.6	1.3	0.0	20.0	0.0	28.1	11.4
42	0.99	23.3	1.1	27.91	2.4	1.2	0.0	20.0	0.0	25.9	10.5
43	0.99	23.7	1.1	25.34	2.18	1.09	0.0	20.0	0.0	23.5	9.5
44	0.99	24.2	1.1	22.59	1.94	0.97	0.0	20.0	0.0	21.0	8.5
45	0.99	24.6	1.1	19.65	1.69	0.84	0.0	20.0	0.0	18.2	7.4
46	0.99	25.1	1.1	16.51	1.42	0.71	0.0	20.0	0.0	15.3	6.2
47	0.99	25.6	1.1	13.19	1.13	0.57	0.0	20.0	0.0	12.3	5.0
48	0.99	26.0	1.1	9.67	0.83	0.42	0.0	20.0	0.0	9.0	3.6
49	0.99	26.5	1.1	5.95	0.51	0.26	0.0	20.0	0.0	5.5	2.2
50	0.99	27.0	1.1	2.03	0.17	0.09	0.0	20.0	0.0	1.9	0.8

$$x_c = 309.708 \quad y_c = 221.69 \quad R_c = 121.356 \quad F_s = 1.059$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.64	-6.5	1.6	4.42	0.38	0.19	0.0	20.0	0.0	4.6	1.6
2	1.64	-5.7	1.6	12.73	1.09	0.55	0.0	20.0	0.0	13.2	4.6
3	1.64	-4.9	1.6	20.31	1.75	0.87	0.0	20.0	0.0	21.0	7.2
4	1.64	-4.2	1.6	27.18	2.34	1.17	0.0	20.0	0.0	27.9	9.6
5	1.64	-3.4	1.6	33.32	2.87	1.43	0.0	20.0	0.0	34.1	11.7
6	1.64	-2.6	1.6	38.76	3.33	1.67	0.0	20.0	0.0	39.4	13.6
7	1.64	-1.8	1.6	43.48	3.74	1.87	0.0	20.0	0.0	44.0	15.1
8	1.08	-1.2	1.1	31.0	2.67	1.33	0.0	20.0	0.0	31.2	10.7
9	2.19	-0.4	2.2	76.41	6.57	3.29	0.0	20.0	0.0	76.6	26.3
10	1.64	0.5	1.6	72.08	6.2	3.1	0.0	20.0	0.0	71.9	24.7
11	1.64	1.3	1.6	84.13	7.24	3.62	0.0	20.0	0.0	83.5	28.7
12	1.64	2.0	1.6	95.47	8.21	4.11	0.0	20.0	0.0	94.4	32.4
13	1.64	2.8	1.6	106.1	9.12	4.56	0.0	20.0	0.0	104.5	35.9
14	1.64	3.6	1.6	116.02	9.98	4.99	0.0	20.0	0.0	113.8	39.1
15	1.64	4.4	1.6	125.22	10.77	5.38	0.0	20.0	0.0	122.4	42.1
16	1.64	5.1	1.6	133.7	11.5	5.75	0.0	20.0	0.0	130.2	44.8
17	1.64	5.9	1.6	141.47	12.17	6.08	0.0	20.0	0.0	137.3	47.2
18	1.64	6.7	1.6	148.51	12.77	6.39	0.0	20.0	0.0	143.7	49.4
19	1.64	7.5	1.7	154.83	13.32	6.66	0.0	20.0	0.0	149.4	51.4
20	1.64	8.3	1.7	160.41	13.8	6.9	0.0	20.0	0.0	154.4	53.1
21	1.64	9.0	1.7	165.27	14.21	7.11	0.0	20.0	0.0	158.7	54.5
22	1.64	9.8	1.7	169.38	14.57	7.28	0.0	20.0	0.0	162.3	55.8
23	1.64	10.6	1.7	172.76	14.86	7.43	0.0	20.0	0.0	165.1	56.8
24	1.64	11.4	1.7	175.38	15.08	7.54	0.0	20.0	0.0	167.3	57.5
25	1.64	12.2	1.7	177.25	15.24	7.62	0.0	20.0	0.0	168.8	58.0
26	1.64	13.0	1.7	178.37	15.34	7.67	0.0	20.0	0.0	169.6	58.3
27	1.64	13.8	1.7	178.71	15.37	7.68	0.0	20.0	0.0	169.7	58.3
28	1.64	14.6	1.7	178.27	15.33	7.67	0.0	20.0	0.0	169.1	58.1
29	1.64	15.4	1.7	177.05	15.23	7.61	0.0	20.0	0.0	167.8	57.7
30	1.64	16.2	1.7	175.04	15.05	7.53	0.0	20.0	0.0	165.7	57.0
31	1.64	17.0	1.7	172.23	14.81	7.41	0.0	20.0	0.0	163.0	56.0
32	1.64	17.8	1.7	168.61	14.5	7.25	0.0	20.0	0.0	159.5	54.8

33	1.64	18.6	1.7	164.16	14.12	7.06	0.0	20.0	0.0	155.2	53.4
34	1.64	19.4	1.7	158.87	13.66	6.83	0.0	20.0	0.0	150.2	51.7
35	1.64	20.2	1.7	152.74	13.14	6.57	0.0	20.0	0.0	144.5	49.7
36	1.64	21.1	1.8	145.75	12.53	6.27	0.0	20.0	0.0	137.9	47.4
37	1.64	21.9	1.8	137.89	11.86	5.93	0.0	20.0	0.0	130.6	44.9
38	1.06	22.6	1.1	84.62	7.28	3.64	0.0	20.0	0.0	80.2	27.6
39	2.22	23.4	2.4	168.71	14.51	7.25	0.0	20.0	0.0	160.0	55.0
40	1.64	24.4	1.8	118.41	10.18	5.09	0.0	20.0	0.0	112.5	38.7
41	1.64	25.3	1.8	112.02	9.63	4.82	0.0	20.0	0.0	106.6	36.6
42	1.64	26.1	1.8	104.68	9.0	4.5	0.0	20.0	0.0	99.8	34.3
43	1.64	27.0	1.8	96.35	8.29	4.14	0.0	20.0	0.0	92.0	31.6
44	1.64	27.9	1.9	87.01	7.48	3.74	0.0	20.0	0.0	83.3	28.6
45	1.64	28.8	1.9	76.65	6.59	3.3	0.0	20.0	0.0	73.6	25.3
46	1.64	29.6	1.9	65.23	5.61	2.8	0.0	20.0	0.0	62.8	21.6
47	1.64	30.5	1.9	52.73	4.53	2.27	0.0	20.0	0.0	50.9	17.5
48	1.64	31.4	1.9	39.11	3.36	1.68	0.0	20.0	0.0	37.9	13.0
49	1.64	32.3	1.9	24.36	2.09	1.05	0.0	20.0	0.0	23.7	8.1
50	1.64	33.3	2.0	8.42	0.72	0.36	0.0	20.0	0.0	8.2	2.8

$x_c = 131.762$   $y_c = 226.713$   $R_c = 167.87$   $F_s = 1.088$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.61	-0.8	1.6	5.68	0.49	0.24	0.0	20.0	0.0	5.7	1.9
2	1.61	-0.2	1.6	16.66	1.43	0.72	0.0	20.0	0.0	16.7	5.6
3	1.61	0.3	1.6	27.16	2.34	1.17	0.0	20.0	0.0	27.1	9.1
4	1.61	0.9	1.6	37.17	3.2	1.6	0.0	20.0	0.0	37.0	12.4
5	1.61	1.4	1.6	46.69	4.02	2.01	0.0	20.0	0.0	46.3	15.5
6	1.61	2.0	1.6	55.72	4.79	2.4	0.0	20.0	0.0	55.1	18.4
7	1.61	2.5	1.6	64.27	5.53	2.76	0.0	20.0	0.0	63.4	21.2
8	1.61	3.1	1.6	72.33	6.22	3.11	0.0	20.0	0.0	71.1	23.8
9	1.61	3.6	1.6	79.89	6.87	3.44	0.0	20.0	0.0	78.4	26.2
10	1.61	4.2	1.6	86.97	7.48	3.74	0.0	20.0	0.0	85.1	28.5
11	1.61	4.7	1.6	93.56	8.05	4.02	0.0	20.0	0.0	91.3	30.6
12	1.61	5.3	1.6	99.65	8.57	4.29	0.0	20.0	0.0	97.1	32.5
13	1.61	5.8	1.6	105.25	9.05	4.53	0.0	20.0	0.0	102.3	34.2
14	1.61	6.4	1.6	110.36	9.49	4.75	0.0	20.0	0.0	107.0	35.8
15	1.61	7.0	1.6	114.96	9.89	4.94	0.0	20.0	0.0	111.3	37.2
16	1.61	7.5	1.6	119.07	10.24	5.12	0.0	20.0	0.0	115.0	38.5
17	1.61	8.1	1.6	122.68	10.55	5.28	0.0	20.0	0.0	118.3	39.6
18	1.39	8.6	1.4	108.69	9.35	4.67	0.0	20.0	0.0	104.6	35.0
19	1.83	9.1	1.9	146.89	12.63	6.32	0.0	20.0	0.0	141.2	47.2
20	1.61	9.7	1.6	134.02	11.53	5.76	0.0	20.0	0.0	128.6	43.0
21	1.61	10.3	1.6	137.77	11.85	5.92	0.0	20.0	0.0	132.0	44.2
22	1.61	10.8	1.6	141.0	12.13	6.06	0.0	20.0	0.0	134.9	45.1
23	1.61	11.4	1.6	143.72	12.36	6.18	0.0	20.0	0.0	137.3	46.0
24	1.61	12.0	1.6	145.93	12.55	6.27	0.0	20.0	0.0	139.3	46.6
25	1.61	12.5	1.6	147.61	12.69	6.35	0.0	20.0	0.0	140.7	47.1
26	1.61	13.1	1.7	148.77	12.79	6.4	0.0	20.0	0.0	141.7	47.4
27	1.61	13.7	1.7	149.4	12.85	6.42	0.0	20.0	0.0	142.2	47.6
28	1.61	14.2	1.7	149.5	12.86	6.43	0.0	20.0	0.0	142.2	47.6
29	1.61	14.8	1.7	149.07	12.82	6.41	0.0	20.0	0.0	141.7	47.4
30	1.61	15.4	1.7	148.1	12.74	6.37	0.0	20.0	0.0	140.7	47.1
31	1.61	15.9	1.7	146.58	12.61	6.3	0.0	20.0	0.0	139.1	46.6



32	1.61	16.5	1.7	144.51	12.43	6.21	0.0	20.0	0.0	137.1	45.9
33	1.61	17.1	1.7	141.89	12.2	6.1	0.0	20.0	0.0	134.6	45.0
34	1.61	17.7	1.7	138.72	11.93	5.96	0.0	20.0	0.0	131.6	44.0
35	1.61	18.2	1.7	134.98	11.61	5.8	0.0	20.0	0.0	128.0	42.8
36	1.61	18.8	1.7	130.67	11.24	5.62	0.0	20.0	0.0	123.9	41.5
37	1.61	19.4	1.7	125.78	10.82	5.41	0.0	20.0	0.0	119.3	39.9
38	1.61	20.0	1.7	120.32	10.35	5.17	0.0	20.0	0.0	114.1	38.2
39	1.61	20.6	1.7	114.27	9.83	4.91	0.0	20.0	0.0	108.4	36.3
40	1.61	21.2	1.7	107.62	9.26	4.63	0.0	20.0	0.0	102.2	34.2
41	1.61	21.7	1.7	100.37	8.63	4.32	0.0	20.0	0.0	95.3	31.9
42	1.61	22.3	1.7	92.52	7.96	3.98	0.0	20.0	0.0	87.9	29.4
43	1.61	22.9	1.7	84.05	7.23	3.61	0.0	20.0	0.0	79.9	26.7
44	1.61	23.5	1.8	74.95	6.45	3.22	0.0	20.0	0.0	71.4	23.9
45	1.61	24.1	1.8	65.22	5.61	2.8	0.0	20.0	0.0	62.2	20.8
46	1.61	24.7	1.8	54.86	4.72	2.36	0.0	20.0	0.0	52.3	17.5
47	1.61	25.3	1.8	43.84	3.77	1.88	0.0	20.0	0.0	41.9	14.0
48	1.61	26.0	1.8	32.16	2.77	1.38	0.0	20.0	0.0	30.8	10.3
49	1.61	26.6	1.8	19.81	1.7	0.85	0.0	20.0	0.0	19.0	6.3
50	1.61	27.2	1.8	6.78	0.58	0.29	0.0	20.0	0.0	6.5	2.2

$$x_c = 151.534 \quad y_c = 231.736 \quad R_c = 165.852 \quad F_s = 0.978$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.23	4.3	1.2	2.63	0.23	0.11	0.0	20.0	0.0	2.6	1.0
2	1.23	4.7	1.2	7.72	0.66	0.33	0.0	20.0	0.0	7.5	2.8
3	1.23	5.1	1.2	12.6	1.08	0.54	0.0	20.0	0.0	12.2	4.6
4	1.23	5.6	1.2	17.24	1.48	0.74	0.0	20.0	0.0	16.7	6.2
5	1.23	6.0	1.2	21.67	1.86	0.93	0.0	20.0	0.0	21.0	7.8
6	1.23	6.4	1.2	25.87	2.22	1.11	0.0	20.0	0.0	25.0	9.3
7	1.23	6.9	1.2	29.84	2.57	1.28	0.0	20.0	0.0	28.8	10.7
8	1.23	7.3	1.2	33.59	2.89	1.44	0.0	20.0	0.0	32.3	12.0
9	1.23	7.7	1.2	37.12	3.19	1.6	0.0	20.0	0.0	35.7	13.3
10	1.23	8.1	1.2	40.41	3.48	1.74	0.0	20.0	0.0	38.8	14.4
11	1.23	8.6	1.2	43.48	3.74	1.87	0.0	20.0	0.0	41.6	15.5
12	1.23	9.0	1.2	46.33	3.98	1.99	0.0	20.0	0.0	44.3	16.5
13	1.23	9.4	1.2	48.94	4.21	2.1	0.0	20.0	0.0	46.7	17.4
14	1.23	9.9	1.2	51.32	4.41	2.21	0.0	20.0	0.0	48.9	18.2
15	1.23	10.3	1.3	53.47	4.6	2.3	0.0	20.0	0.0	50.9	18.9
16	1.23	10.7	1.3	55.4	4.76	2.38	0.0	20.0	0.0	52.7	19.6
17	1.23	11.2	1.3	57.08	4.91	2.45	0.0	20.0	0.0	54.2	20.2
18	1.23	11.6	1.3	58.54	5.03	2.52	0.0	20.0	0.0	55.5	20.7
19	1.23	12.0	1.3	59.76	5.14	2.57	0.0	20.0	0.0	56.6	21.1
20	1.23	12.5	1.3	60.74	5.22	2.61	0.0	20.0	0.0	57.5	21.4
21	1.23	12.9	1.3	61.49	5.29	2.64	0.0	20.0	0.0	58.1	21.6
22	1.23	13.3	1.3	62.0	5.33	2.67	0.0	20.0	0.0	58.6	21.8
23	1.23	13.8	1.3	62.27	5.36	2.68	0.0	20.0	0.0	58.8	21.9
24	1.23	14.2	1.3	62.3	5.36	2.68	0.0	20.0	0.0	58.7	21.9
25	1.23	14.7	1.3	62.09	5.34	2.67	0.0	20.0	0.0	58.5	21.8
26	1.23	15.1	1.3	61.63	5.3	2.65	0.0	20.0	0.0	58.0	21.6
27	1.23	15.5	1.3	60.93	5.24	2.62	0.0	20.0	0.0	57.3	21.3
28	1.23	16.0	1.3	59.99	5.16	2.58	0.0	20.0	0.0	56.4	21.0
29	1.23	16.4	1.3	58.79	5.06	2.53	0.0	20.0	0.0	55.2	20.6
30	1.23	16.9	1.3	57.34	4.93	2.47	0.0	20.0	0.0	53.8	20.0

31	1.23	17.3	1.3	55.65	4.79	2.39	0.0	20.0	0.0	52.2	19.4
32	1.23	17.8	1.3	53.7	4.62	2.31	0.0	20.0	0.0	50.4	18.7
33	1.23	18.2	1.3	51.49	4.43	2.21	0.0	20.0	0.0	48.3	18.0
34	1.23	18.7	1.3	49.03	4.22	2.11	0.0	20.0	0.0	46.0	17.1
35	1.23	19.1	1.3	46.3	3.98	1.99	0.0	20.0	0.0	43.4	16.2
36	1.23	19.6	1.3	43.32	3.73	1.86	0.0	20.0	0.0	40.6	15.1
37	1.8	20.1	1.9	57.36	4.93	2.47	0.0	20.0	0.0	53.8	20.0
38	0.66	20.6	0.7	19.96	1.72	0.86	0.0	20.0	0.0	18.7	7.0
39	1.23	20.9	1.3	37.62	3.24	1.62	0.0	20.0	0.0	35.3	13.1
40	1.23	21.4	1.3	38.23	3.29	1.64	0.0	20.0	0.0	35.8	13.3
41	1.23	21.8	1.3	38.56	3.32	1.66	0.0	20.0	0.0	36.1	13.4
42	1.23	22.3	1.3	38.61	3.32	1.66	0.0	20.0	0.0	36.2	13.5
43	1.23	22.7	1.3	38.39	3.3	1.65	0.0	20.0	0.0	36.0	13.4
44	1.23	23.2	1.3	37.89	3.26	1.63	0.0	20.0	0.0	35.6	13.2
45	1.78	23.8	1.9	53.21	4.58	2.29	0.0	20.0	0.0	50.0	18.6
46	0.69	24.2	0.8	18.99	1.63	0.82	0.0	20.0	0.0	17.8	6.6
47	1.23	24.6	1.4	28.27	2.43	1.22	0.0	20.0	0.0	26.6	9.9
48	1.23	25.1	1.4	20.57	1.77	0.88	0.0	20.0	0.0	19.3	7.2
49	1.23	25.5	1.4	12.56	1.08	0.54	0.0	20.0	0.0	11.8	4.4
50	1.23	26.0	1.4	4.26	0.37	0.18	0.0	20.0	0.0	4.0	1.5

$$x_c = 191.078 \quad y_c = 231.736 \quad R_c = 157.589 \quad F_s = 0.923$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.56	1.7	1.6	5.36	0.46	0.23	0.0	20.0	0.0	5.3	2.1
2	1.56	2.2	1.6	15.72	1.35	0.68	0.0	20.0	0.0	15.5	6.1
3	1.56	2.8	1.6	25.6	2.2	1.1	0.0	20.0	0.0	25.1	9.9
4	1.56	3.4	1.6	35.0	3.01	1.51	0.0	20.0	0.0	34.3	13.5
5	1.56	3.9	1.6	43.93	3.78	1.89	0.0	20.0	0.0	42.9	16.9
6	1.56	4.5	1.6	52.38	4.5	2.25	0.0	20.0	0.0	51.0	20.1
7	1.56	5.1	1.6	60.35	5.19	2.6	0.0	20.0	0.0	58.5	23.1
8	1.56	5.6	1.6	67.84	5.83	2.92	0.0	20.0	0.0	65.6	25.9
9	2.1	6.3	2.1	102.04	8.78	4.39	0.0	20.0	0.0	98.4	38.8
10	1.03	6.9	1.0	55.83	4.8	2.4	0.0	20.0	0.0	53.7	21.2
11	1.56	7.4	1.6	96.11	8.27	4.13	0.0	20.0	0.0	92.2	36.4
12	1.56	7.9	1.6	109.17	9.39	4.69	0.0	20.0	0.0	104.5	41.2
13	1.56	8.5	1.6	121.74	10.47	5.23	0.0	20.0	0.0	116.2	45.8
14	1.56	9.1	1.6	133.82	11.51	5.75	0.0	20.0	0.0	127.5	50.3
15	1.56	9.7	1.6	145.4	12.5	6.25	0.0	20.0	0.0	138.2	54.5
16	0.99	10.1	1.0	97.48	8.38	4.19	0.0	20.0	0.0	92.5	36.5
17	2.14	10.7	2.2	216.99	18.66	9.33	0.0	20.0	0.0	205.5	81.0
18	1.56	11.4	1.6	158.97	13.67	6.84	0.0	20.0	0.0	150.2	59.2
19	1.56	12.0	1.6	158.82	13.66	6.83	0.0	20.0	0.0	149.8	59.1
20	1.56	12.6	1.6	158.16	13.6	6.8	0.0	20.0	0.0	149.0	58.7
21	1.56	13.1	1.6	156.99	13.5	6.75	0.0	20.0	0.0	147.6	58.2
22	1.44	13.7	1.5	142.87	12.29	6.14	0.0	20.0	0.0	134.2	52.9
23	1.69	14.3	1.7	168.28	14.47	7.24	0.0	20.0	0.0	157.8	62.2
24	1.56	14.9	1.6	157.84	13.57	6.79	0.0	20.0	0.0	147.8	58.3
25	1.56	15.5	1.6	159.31	13.7	6.85	0.0	20.0	0.0	149.0	58.8
26	1.56	16.1	1.6	160.25	13.78	6.89	0.0	20.0	0.0	149.8	59.0
27	1.56	16.7	1.6	160.66	13.82	6.91	0.0	20.0	0.0	150.0	59.1
28	1.56	17.3	1.6	160.53	13.81	6.9	0.0	20.0	0.0	149.8	59.0
29	1.56	17.9	1.6	159.85	13.75	6.87	0.0	20.0	0.0	149.0	58.7

30	1.56	18.5	1.6	158.62	13.64	6.82	0.0	20.0	0.0	147.8	58.3
31	1.56	19.1	1.7	156.84	13.49	6.74	0.0	20.0	0.0	146.0	57.6
32	1.56	19.7	1.7	154.49	13.29	6.64	0.0	20.0	0.0	143.8	56.7
33	1.56	20.3	1.7	151.58	13.04	6.52	0.0	20.0	0.0	141.0	55.6
34	1.56	20.9	1.7	148.09	12.74	6.37	0.0	20.0	0.0	137.8	54.3
35	1.56	21.5	1.7	144.02	12.39	6.19	0.0	20.0	0.0	134.0	52.8
36	1.56	22.1	1.7	139.36	11.98	5.99	0.0	20.0	0.0	129.7	51.1
37	1.56	22.7	1.7	134.1	11.53	5.77	0.0	20.0	0.0	124.8	49.2
38	1.56	23.3	1.7	128.24	11.03	5.51	0.0	20.0	0.0	119.4	47.1
39	1.56	23.9	1.7	121.76	10.47	5.24	0.0	20.0	0.0	113.4	44.7
40	1.56	24.6	1.7	114.67	9.86	4.93	0.0	20.0	0.0	106.8	42.1
41	1.56	25.2	1.7	106.94	9.2	4.6	0.0	20.0	0.0	99.7	39.3
42	1.56	25.8	1.7	98.57	8.48	4.24	0.0	20.0	0.0	92.0	36.3
43	1.56	26.4	1.7	89.55	7.7	3.85	0.0	20.0	0.0	83.6	33.0
44	1.56	27.1	1.8	79.87	6.87	3.43	0.0	20.0	0.0	74.7	29.4
45	1.56	27.7	1.8	69.52	5.98	2.99	0.0	20.0	0.0	65.1	25.7
46	1.56	28.4	1.8	58.48	5.03	2.51	0.0	20.0	0.0	54.8	21.6
47	1.56	29.0	1.8	46.75	4.02	2.01	0.0	20.0	0.0	43.9	17.3
48	1.56	29.7	1.8	34.31	2.95	1.48	0.0	20.0	0.0	32.2	12.7
49	1.56	30.3	1.8	21.14	1.82	0.91	0.0	20.0	0.0	19.9	7.8
50	1.56	31.0	1.8	7.23	0.62	0.31	0.0	20.0	0.0	6.8	2.7

$x_c = 210.849$   $y_c = 226.713$   $R_c = 144.665$   $F_s = 0.901$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.1	4.9	1.1	1.42	0.12	0.06	0.0	20.0	0.0	1.4	0.6
2	1.1	5.3	1.1	4.12	0.35	0.18	0.0	20.0	0.0	4.0	1.6
3	1.1	5.8	1.1	6.64	0.57	0.29	0.0	20.0	0.0	6.4	2.6
4	1.1	6.2	1.1	8.98	0.77	0.39	0.0	20.0	0.0	8.7	3.5
5	1.1	6.6	1.1	11.13	0.96	0.48	0.0	20.0	0.0	10.7	4.3
6	0.98	7.1	1.0	11.65	1.0	0.5	0.0	20.0	0.0	11.2	4.5
7	1.21	7.5	1.2	17.77	1.53	0.76	0.0	20.0	0.0	17.0	6.9
8	1.1	8.0	1.1	20.24	1.74	0.87	0.0	20.0	0.0	19.3	7.8
9	1.1	8.4	1.1	23.99	2.06	1.03	0.0	20.0	0.0	22.9	9.2
10	1.1	8.8	1.1	27.56	2.37	1.19	0.0	20.0	0.0	26.2	10.6
11	1.1	9.3	1.1	30.94	2.66	1.33	0.0	20.0	0.0	29.4	11.9
12	1.1	9.7	1.1	34.14	2.94	1.47	0.0	20.0	0.0	32.4	13.1
13	1.1	10.2	1.1	37.14	3.19	1.6	0.0	20.0	0.0	35.2	14.2
14	1.1	10.6	1.1	39.96	3.44	1.72	0.0	20.0	0.0	37.8	15.3
15	1.1	11.0	1.1	42.59	3.66	1.83	0.0	20.0	0.0	40.2	16.2
16	1.1	11.5	1.1	45.03	3.87	1.94	0.0	20.0	0.0	42.5	17.1
17	1.1	11.9	1.1	47.27	4.07	2.03	0.0	20.0	0.0	44.5	18.0
18	1.1	12.4	1.1	49.33	4.24	2.12	0.0	20.0	0.0	46.4	18.7
19	1.1	12.8	1.1	51.19	4.4	2.2	0.0	20.0	0.0	48.1	19.4
20	1.1	13.3	1.1	52.86	4.55	2.27	0.0	20.0	0.0	49.6	20.0
21	1.1	13.7	1.1	54.33	4.67	2.34	0.0	20.0	0.0	50.9	20.6
22	1.1	14.2	1.1	55.61	4.78	2.39	0.0	20.0	0.0	52.0	21.0
23	1.1	14.6	1.1	56.68	4.87	2.44	0.0	20.0	0.0	53.0	21.4
24	1.1	15.1	1.1	57.57	4.95	2.48	0.0	20.0	0.0	53.8	21.7
25	1.1	15.5	1.1	58.25	5.01	2.5	0.0	20.0	0.0	54.4	22.0
26	1.1	16.0	1.1	58.73	5.05	2.53	0.0	20.0	0.0	54.8	22.1
27	1.1	16.4	1.1	59.01	5.07	2.54	0.0	20.0	0.0	55.0	22.2
28	1.1	16.9	1.1	59.08	5.08	2.54	0.0	20.0	0.0	55.0	22.2

29	1.1	17.3	1.2	58.95	5.07	2.53	0.0	20.0	0.0	54.8	22.1
30	1.1	17.8	1.2	58.61	5.04	2.52	0.0	20.0	0.0	54.5	22.0
31	1.1	18.2	1.2	58.07	4.99	2.5	0.0	20.0	0.0	54.0	21.8
32	1.1	18.7	1.2	57.31	4.93	2.46	0.0	20.0	0.0	53.2	21.5
33	1.1	19.2	1.2	56.34	4.85	2.42	0.0	20.0	0.0	52.3	21.1
34	1.1	19.6	1.2	55.16	4.74	2.37	0.0	20.0	0.0	51.2	20.7
35	1.1	20.1	1.2	53.76	4.62	2.31	0.0	20.0	0.0	49.9	20.1
36	1.1	20.6	1.2	52.15	4.49	2.24	0.0	20.0	0.0	48.4	19.5
37	1.1	21.0	1.2	50.32	4.33	2.16	0.0	20.0	0.0	46.7	18.8
38	1.1	21.5	1.2	48.27	4.15	2.08	0.0	20.0	0.0	44.8	18.1
39	1.1	22.0	1.2	45.99	3.96	1.98	0.0	20.0	0.0	42.6	17.2
40	1.1	22.4	1.2	43.49	3.74	1.87	0.0	20.0	0.0	40.3	16.3
41	1.1	22.9	1.2	40.76	3.51	1.75	0.0	20.0	0.0	37.8	15.3
42	1.1	23.4	1.2	37.8	3.25	1.63	0.0	20.0	0.0	35.1	14.2
43	1.1	23.8	1.2	34.61	2.98	1.49	0.0	20.0	0.0	32.1	13.0
44	1.1	24.3	1.2	31.18	2.68	1.34	0.0	20.0	0.0	28.9	11.7
45	1.1	24.8	1.2	27.52	2.37	1.18	0.0	20.0	0.0	25.5	10.3
46	1.1	25.3	1.2	23.61	2.03	1.02	0.0	20.0	0.0	21.9	8.9
47	1.1	25.8	1.2	19.46	1.67	0.84	0.0	20.0	0.0	18.1	7.3
48	1.16	26.3	1.3	15.74	1.35	0.68	0.0	20.0	0.0	14.6	5.9
49	1.04	26.7	1.2	9.06	0.78	0.39	0.0	20.0	0.0	8.4	3.4
50	1.1	27.2	1.2	3.31	0.28	0.14	0.0	20.0	0.0	3.1	1.2

$x_c = 309.708$   $y_c = 231.736$   $R_c = 130.884$   $F_s = 1.077$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.66	-4.7	1.7	3.69	0.32	0.16	0.0	20.0	0.0	3.8	1.3
2	1.66	-4.0	1.7	10.56	0.91	0.45	0.0	20.0	0.0	10.8	3.7
3	1.66	-3.2	1.7	16.73	1.44	0.72	0.0	20.0	0.0	17.1	5.8
4	1.66	-2.5	1.7	22.21	1.91	0.96	0.0	20.0	0.0	22.6	7.6
5	1.66	-1.8	1.7	26.99	2.32	1.16	0.0	20.0	0.0	27.3	9.2
6	1.22	-1.1	1.2	22.39	1.93	0.96	0.0	20.0	0.0	22.5	7.6
7	2.11	-0.4	2.1	51.63	4.44	2.22	0.0	20.0	0.0	51.8	17.5
8	1.66	0.4	1.7	55.76	4.8	2.4	0.0	20.0	0.0	55.6	18.8
9	1.66	1.1	1.7	68.28	5.87	2.94	0.0	20.0	0.0	67.8	22.9
10	1.66	1.9	1.7	80.11	6.89	3.44	0.0	20.0	0.0	79.3	26.8
11	1.66	2.6	1.7	91.25	7.85	3.92	0.0	20.0	0.0	90.0	30.4
12	1.66	3.3	1.7	101.69	8.75	4.37	0.0	20.0	0.0	99.9	33.8
13	1.66	4.1	1.7	111.44	9.58	4.79	0.0	20.0	0.0	109.1	36.9
14	1.66	4.8	1.7	120.49	10.36	5.18	0.0	20.0	0.0	117.6	39.8
15	1.66	5.5	1.7	128.85	11.08	5.54	0.0	20.0	0.0	125.3	42.4
16	1.66	6.3	1.7	136.5	11.74	5.87	0.0	20.0	0.0	132.4	44.8
17	1.66	7.0	1.7	143.46	12.34	6.17	0.0	20.0	0.0	138.8	46.9
18	1.66	7.7	1.7	149.7	12.87	6.44	0.0	20.0	0.0	144.4	48.8
19	1.66	8.5	1.7	155.24	13.35	6.68	0.0	20.0	0.0	149.4	50.5
20	1.66	9.2	1.7	160.06	13.77	6.88	0.0	20.0	0.0	153.7	52.0
21	1.66	9.9	1.7	164.16	14.12	7.06	0.0	20.0	0.0	157.3	53.2
22	1.66	10.7	1.7	167.54	14.41	7.2	0.0	20.0	0.0	160.3	54.2
23	1.66	11.4	1.7	170.2	14.64	7.32	0.0	20.0	0.0	162.5	55.0
24	1.66	12.2	1.7	172.12	14.8	7.4	0.0	20.0	0.0	164.1	55.5
25	1.66	12.9	1.7	173.3	14.9	7.45	0.0	20.0	0.0	165.0	55.8
26	1.66	13.7	1.7	173.74	14.94	7.47	0.0	20.0	0.0	165.2	55.9
27	1.66	14.4	1.7	173.41	14.91	7.46	0.0	20.0	0.0	164.7	55.7

28	1.66	15.2	1.7	172.34	14.82	7.41	0.0	20.0	0.0	163.6	55.3
29	1.66	15.9	1.7	170.49	14.66	7.33	0.0	20.0	0.0	161.7	54.7
30	1.66	16.7	1.7	167.87	14.44	7.22	0.0	20.0	0.0	159.1	53.8
31	1.66	17.4	1.7	164.46	14.14	7.07	0.0	20.0	0.0	155.8	52.7
32	1.66	18.2	1.8	160.25	13.78	6.89	0.0	20.0	0.0	151.8	51.3
33	1.66	19.0	1.8	155.24	13.35	6.68	0.0	20.0	0.0	147.1	49.7
34	1.66	19.8	1.8	149.42	12.85	6.42	0.0	20.0	0.0	141.6	47.9
35	2.08	20.6	2.2	177.56	15.27	7.64	0.0	20.0	0.0	168.3	56.9
36	1.25	21.4	1.3	101.96	8.77	4.38	0.0	20.0	0.0	96.7	32.7
37	1.66	22.1	1.8	133.53	11.48	5.74	0.0	20.0	0.0	126.7	42.8
38	1.66	22.9	1.8	129.62	11.15	5.57	0.0	20.0	0.0	123.1	41.6
39	1.66	23.7	1.8	124.82	10.73	5.37	0.0	20.0	0.0	118.7	40.1
40	1.66	24.5	1.8	119.12	10.24	5.12	0.0	20.0	0.0	113.4	38.3
41	1.66	25.3	1.8	112.51	9.68	4.84	0.0	20.0	0.0	107.3	36.3
42	1.66	26.1	1.9	104.96	9.03	4.51	0.0	20.0	0.0	100.3	33.9
43	1.66	26.9	1.9	96.46	8.3	4.15	0.0	20.0	0.0	92.3	31.2
44	1.66	27.7	1.9	86.99	7.48	3.74	0.0	20.0	0.0	83.4	28.2
45	1.66	28.5	1.9	76.51	6.58	3.29	0.0	20.0	0.0	73.6	24.9
46	1.66	29.4	1.9	65.03	5.59	2.8	0.0	20.0	0.0	62.7	21.2
47	1.66	30.2	1.9	52.49	4.51	2.26	0.0	20.0	0.0	50.8	17.2
48	1.66	31.1	1.9	38.89	3.34	1.67	18.12	25.4	0.0	20.3	41.7
49	1.66	31.9	2.0	24.18	2.08	1.04	18.12	25.4	0.0	6.2	35.8
50	1.66	32.8	2.0	8.35	0.72	0.36	18.12	25.4	0.0	-9.0	29.4

$$x_c = 131.762 \quad y_c = 236.759 \quad R_c = 177.904 \quad F_s = 1.073$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.81	-0.7	1.8	7.1	0.61	0.31	0.0	20.0	0.0	7.1	2.4
2	1.81	-0.1	1.8	20.82	1.79	0.9	0.0	20.0	0.0	20.8	7.1
3	1.81	0.5	1.8	33.89	2.91	1.46	0.0	20.0	0.0	33.8	11.5
4	1.81	1.1	1.8	46.3	3.98	1.99	0.0	20.0	0.0	46.0	15.6
5	1.81	1.7	1.8	58.07	4.99	2.5	0.0	20.0	0.0	57.5	19.5
6	1.81	2.2	1.8	69.18	5.95	2.97	0.0	20.0	0.0	68.3	23.2
7	1.81	2.8	1.8	79.65	6.85	3.42	0.0	20.0	0.0	78.4	26.6
8	1.81	3.4	1.8	89.46	7.69	3.85	0.0	20.0	0.0	87.8	29.8
9	1.81	4.0	1.8	98.62	8.48	4.24	0.0	20.0	0.0	96.6	32.8
10	1.81	4.6	1.8	107.12	9.21	4.61	0.0	20.0	0.0	104.6	35.5
11	1.81	5.2	1.8	114.97	9.89	4.94	0.0	20.0	0.0	112.0	38.0
12	1.81	5.7	1.8	122.16	10.51	5.25	0.0	20.0	0.0	118.7	40.3
13	1.81	6.3	1.8	128.69	11.07	5.53	0.0	20.0	0.0	124.8	42.3
14	1.81	6.9	1.8	134.55	11.57	5.79	0.0	20.0	0.0	130.2	44.1
15	1.81	7.5	1.8	139.75	12.02	6.01	0.0	20.0	0.0	134.9	45.8
16	1.62	8.1	1.6	128.79	11.08	5.54	0.0	20.0	0.0	124.1	42.1
17	2.0	8.6	2.0	165.32	14.22	7.11	0.0	20.0	0.0	159.0	53.9
18	1.81	9.3	1.8	155.72	13.39	6.7	0.0	20.0	0.0	149.5	50.7
19	1.81	9.9	1.8	160.95	13.84	6.92	0.0	20.0	0.0	154.3	52.3
20	1.81	10.4	1.8	165.51	14.23	7.12	0.0	20.0	0.0	158.4	53.7
21	1.81	11.0	1.8	169.39	14.57	7.28	0.0	20.0	0.0	161.9	54.9
22	1.81	11.6	1.8	172.57	14.84	7.42	0.0	20.0	0.0	164.7	55.9
23	1.81	12.2	1.8	175.07	15.06	7.53	0.0	20.0	0.0	166.9	56.6
24	1.81	12.8	1.9	176.86	15.21	7.61	0.0	20.0	0.0	168.4	57.1
25	1.81	13.4	1.9	177.96	15.3	7.65	0.0	20.0	0.0	169.3	57.4
26	1.81	14.0	1.9	178.35	15.34	7.67	0.0	20.0	0.0	169.5	57.5

27	1.81	14.6	1.9	178.03	15.31	7.66	0.0	20.0	0.0	169.0	57.3
28	1.81	15.2	1.9	176.99	15.22	7.61	0.0	20.0	0.0	167.9	56.9
29	1.81	15.8	1.9	175.23	15.07	7.53	0.0	20.0	0.0	166.2	56.3
30	1.81	16.4	1.9	172.74	14.86	7.43	0.0	20.0	0.0	163.7	55.5
31	1.81	17.0	1.9	169.51	14.58	7.29	0.0	20.0	0.0	160.6	54.5
32	1.81	17.7	1.9	165.53	14.24	7.12	0.0	20.0	0.0	156.8	53.2
33	1.81	18.3	1.9	160.81	13.83	6.91	0.0	20.0	0.0	152.3	51.6
34	1.81	18.9	1.9	155.32	13.36	6.68	0.0	20.0	0.0	147.1	49.9
35	1.81	19.5	1.9	149.07	12.82	6.41	0.0	20.0	0.0	141.2	47.9
36	1.81	20.1	1.9	142.05	12.22	6.11	0.0	20.0	0.0	134.6	45.6
37	1.81	20.7	1.9	134.23	11.54	5.77	0.0	20.0	0.0	127.2	43.1
38	1.81	21.4	1.9	125.63	10.8	5.4	0.0	20.0	0.0	119.1	40.4
39	1.81	22.0	1.9	116.22	9.99	5.0	0.0	20.0	0.0	110.2	37.4
40	1.81	22.6	2.0	105.99	9.12	4.56	0.0	20.0	0.0	100.6	34.1
41	1.81	23.2	2.0	94.94	8.16	4.08	0.0	20.0	0.0	90.2	30.6
42	1.81	23.9	2.0	83.05	7.14	3.57	0.0	20.0	0.0	79.0	26.8
43	1.81	24.5	2.0	70.3	6.05	3.02	0.0	20.0	0.0	66.9	22.7
44	1.81	25.2	2.0	56.7	4.88	2.44	0.0	20.0	0.0	54.0	18.3
45	1.16	25.7	1.3	28.74	2.47	1.24	0.0	20.0	0.0	27.4	9.3
46	2.46	26.3	2.7	49.63	4.27	2.13	0.0	20.0	0.0	47.4	16.1
47	1.81	27.1	2.0	29.23	2.51	1.26	0.0	20.0	0.0	28.0	9.5
48	1.81	27.8	2.0	22.06	1.9	0.95	0.0	20.0	0.0	21.2	7.2
49	1.81	28.4	2.1	13.96	1.2	0.6	0.0	20.0	0.0	13.4	4.5
50	1.81	29.1	2.1	4.9	0.42	0.21	0.0	20.0	0.0	4.7	1.6

$x_c = 151.534$   $y_c = 241.782$   $R_c = 175.882$   $F_s = 0.973$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.31	4.0	1.3	3.05	0.26	0.13	0.0	20.0	0.0	3.0	1.1
2	1.31	4.5	1.3	8.97	0.77	0.39	0.0	20.0	0.0	8.7	3.3
3	1.31	4.9	1.3	14.64	1.26	0.63	0.0	20.0	0.0	14.2	5.3
4	1.31	5.3	1.3	20.05	1.72	0.86	0.0	20.0	0.0	19.5	7.3
5	1.31	5.8	1.3	25.2	2.17	1.08	0.0	20.0	0.0	24.4	9.1
6	1.31	6.2	1.3	30.1	2.59	1.29	0.0	20.0	0.0	29.1	10.9
7	1.31	6.6	1.3	34.75	2.99	1.49	0.0	20.0	0.0	33.5	12.5
8	1.31	7.0	1.3	39.14	3.37	1.68	0.0	20.0	0.0	37.7	14.1
9	1.31	7.5	1.3	43.27	3.72	1.86	0.0	20.0	0.0	41.6	15.6
10	1.31	7.9	1.3	47.15	4.05	2.03	0.0	20.0	0.0	45.3	16.9
11	1.31	8.3	1.3	50.77	4.37	2.18	0.0	20.0	0.0	48.6	18.2
12	1.31	8.8	1.3	54.13	4.66	2.33	0.0	20.0	0.0	51.8	19.4
13	1.31	9.2	1.3	57.23	4.92	2.46	0.0	20.0	0.0	54.7	20.4
14	1.31	9.6	1.3	60.07	5.17	2.58	0.0	20.0	0.0	57.3	21.4
15	1.31	10.1	1.3	62.64	5.39	2.69	0.0	20.0	0.0	59.7	22.3
16	1.31	10.5	1.3	64.96	5.59	2.79	0.0	20.0	0.0	61.8	23.1
17	1.31	10.9	1.3	67.01	5.76	2.88	0.0	20.0	0.0	63.6	23.8
18	1.31	11.4	1.3	68.8	5.92	2.96	0.0	20.0	0.0	65.3	24.4
19	1.31	11.8	1.3	70.31	6.05	3.02	0.0	20.0	0.0	66.6	24.9
20	1.31	12.2	1.3	71.57	6.15	3.08	0.0	20.0	0.0	67.7	25.3
21	1.31	12.7	1.3	72.55	6.24	3.12	0.0	20.0	0.0	68.6	25.7
22	1.31	13.1	1.3	73.26	6.3	3.15	0.0	20.0	0.0	69.2	25.9
23	1.31	13.6	1.3	73.7	6.34	3.17	0.0	20.0	0.0	69.5	26.0
24	1.31	14.0	1.4	73.87	6.35	3.18	0.0	20.0	0.0	69.6	26.1
25	1.31	14.4	1.4	73.77	6.34	3.17	0.0	20.0	0.0	69.5	26.0

26	1.31	14.9	1.4	73.39	6.31	3.16	0.0	20.0	0.0	69.1	25.8
27	1.31	15.3	1.4	72.72	6.25	3.13	0.0	20.0	0.0	68.4	25.6
28	1.31	15.8	1.4	71.79	6.17	3.09	0.0	20.0	0.0	67.5	25.2
29	1.31	16.2	1.4	70.56	6.07	3.03	0.0	20.0	0.0	66.3	24.8
30	1.31	16.7	1.4	69.06	5.94	2.97	0.0	20.0	0.0	64.8	24.3
31	1.31	17.1	1.4	67.27	5.79	2.89	0.0	20.0	0.0	63.1	23.6
32	1.31	17.6	1.4	65.19	5.61	2.8	0.0	20.0	0.0	61.1	22.9
33	1.31	18.0	1.4	62.83	5.4	2.7	0.0	20.0	0.0	58.9	22.0
34	1.31	18.4	1.4	60.17	5.17	2.59	0.0	20.0	0.0	56.4	21.1
35	1.61	18.9	1.7	69.68	5.99	3.0	0.0	20.0	0.0	65.3	24.4
36	1.02	19.4	1.1	43.09	3.71	1.85	0.0	20.0	0.0	40.4	15.1
37	1.31	19.8	1.4	57.15	4.91	2.46	0.0	20.0	0.0	53.5	20.0
38	1.31	20.3	1.4	58.58	5.04	2.52	0.0	20.0	0.0	54.9	20.5
39	1.31	20.7	1.4	59.7	5.13	2.57	0.0	20.0	0.0	55.9	20.9
40	1.31	21.2	1.4	60.52	5.21	2.6	0.0	20.0	0.0	56.7	21.2
41	1.31	21.6	1.4	61.03	5.25	2.62	0.0	20.0	0.0	57.2	21.4
42	1.31	22.1	1.4	61.23	5.27	2.63	0.0	20.0	0.0	57.4	21.5
43	0.95	22.5	1.0	44.29	3.81	1.9	0.0	20.0	0.0	41.5	15.5
44	1.67	22.9	1.8	71.93	6.19	3.09	0.0	20.0	0.0	67.4	25.2
45	1.31	23.5	1.4	47.75	4.11	2.05	0.0	20.0	0.0	44.8	16.8
46	1.31	23.9	1.4	39.82	3.42	1.71	0.0	20.0	0.0	37.4	14.0
47	1.31	24.4	1.4	31.56	2.71	1.36	0.0	20.0	0.0	29.6	11.1
48	1.31	24.9	1.4	22.96	1.97	0.99	0.0	20.0	0.0	21.6	8.1
49	1.31	25.4	1.5	14.03	1.21	0.6	0.0	20.0	0.0	13.2	4.9
50	1.31	25.8	1.5	4.76	0.41	0.2	0.0	20.0	0.0	4.5	1.7

$$x_c = 191.078 \quad y_c = 241.782 \quad R_c = 167.615 \quad F_s = 0.923$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.66	1.6	1.7	6.08	0.52	0.26	0.0	20.0	0.0	6.0	2.4
2	1.66	2.2	1.7	17.83	1.53	0.77	0.0	20.0	0.0	17.6	6.9
3	1.66	2.7	1.7	29.05	2.5	1.25	0.0	20.0	0.0	28.5	11.3
4	1.66	3.3	1.7	39.73	3.42	1.71	0.0	20.0	0.0	38.9	15.4
5	1.66	3.9	1.7	49.87	4.29	2.14	0.0	20.0	0.0	48.7	19.2
6	1.66	4.4	1.7	59.47	5.11	2.56	0.0	20.0	0.0	57.9	22.8
7	1.66	5.0	1.7	68.53	5.89	2.95	0.0	20.0	0.0	66.5	26.2
8	1.66	5.6	1.7	77.05	6.63	3.31	0.0	20.0	0.0	74.5	29.4
9	1.24	6.1	1.2	62.63	5.39	2.69	0.0	20.0	0.0	60.4	23.8
10	2.08	6.7	2.1	121.53	10.45	5.23	0.0	20.0	0.0	117.0	46.1
11	1.66	7.3	1.7	114.21	9.82	4.91	0.0	20.0	0.0	109.6	43.2
12	1.66	7.9	1.7	129.02	11.1	5.55	0.0	20.0	0.0	123.5	48.7
13	1.66	8.4	1.7	143.28	12.32	6.16	0.0	20.0	0.0	136.8	54.0
14	1.66	9.0	1.7	156.98	13.5	6.75	0.0	20.0	0.0	149.6	59.0
15	1.1	9.5	1.1	111.21	9.56	4.78	0.0	20.0	0.0	105.8	41.7
16	2.22	10.1	2.3	231.81	19.94	9.97	0.0	20.0	0.0	220.0	86.8
17	1.66	10.7	1.7	174.53	15.01	7.5	0.0	20.0	0.0	165.3	65.2
18	1.66	11.3	1.7	174.98	15.05	7.52	0.0	20.0	0.0	165.4	65.3
19	1.66	11.9	1.7	174.87	15.04	7.52	0.0	20.0	0.0	165.0	65.1
20	1.66	12.5	1.7	174.19	14.98	7.49	0.0	20.0	0.0	164.1	64.7
21	0.96	12.9	1.0	100.32	8.63	4.31	0.0	20.0	0.0	94.4	37.2
22	2.36	13.5	2.4	249.13	21.42	10.71	0.0	20.0	0.0	234.0	92.3
23	1.66	14.2	1.7	178.93	15.39	7.69	0.0	20.0	0.0	167.8	66.2
24	1.66	14.8	1.7	181.26	15.59	7.79	0.0	20.0	0.0	169.8	67.0

25	1.66	15.4	1.7	182.99	15.74	7.87	0.0	20.0	0.0	171.2	67.5
26	1.66	16.0	1.7	184.13	15.83	7.92	0.0	20.0	0.0	172.1	67.9
27	1.66	16.6	1.7	184.66	15.88	7.94	0.0	20.0	0.0	172.4	68.0
28	1.66	17.2	1.7	184.58	15.87	7.94	0.0	20.0	0.0	172.2	67.9
29	1.66	17.8	1.7	183.89	15.81	7.91	0.0	20.0	0.0	171.4	67.6
30	1.66	18.4	1.8	182.58	15.7	7.85	0.0	20.0	0.0	170.1	67.1
31	1.66	19.0	1.8	180.64	15.54	7.77	0.0	20.0	0.0	168.2	66.4
32	1.66	19.6	1.8	178.07	15.31	7.66	0.0	20.0	0.0	165.7	65.4
33	1.66	20.2	1.8	174.86	15.04	7.52	0.0	20.0	0.0	162.7	64.2
34	1.66	20.8	1.8	171.0	14.71	7.35	0.0	20.0	0.0	159.1	62.8
35	1.66	21.4	1.8	166.48	14.32	7.16	0.0	20.0	0.0	154.9	61.1
36	1.66	22.0	1.8	161.3	13.87	6.94	0.0	20.0	0.0	150.1	59.2
37	1.66	22.6	1.8	155.45	13.37	6.68	0.0	20.0	0.0	144.6	57.1
38	1.66	23.2	1.8	148.92	12.81	6.4	0.0	20.0	0.0	138.6	54.7
39	1.66	23.9	1.8	141.69	12.19	6.09	0.0	20.0	0.0	131.9	52.0
40	1.66	24.5	1.8	133.77	11.5	5.75	0.0	20.0	0.0	124.6	49.2
41	1.66	25.1	1.8	125.14	10.76	5.38	0.0	20.0	0.0	116.6	46.0
42	1.66	25.7	1.8	115.78	9.96	4.98	0.0	20.0	0.0	108.0	42.6
43	1.66	26.4	1.9	105.69	9.09	4.54	0.0	20.0	0.0	98.7	38.9
44	1.66	27.0	1.9	94.86	8.16	4.08	0.0	20.0	0.0	88.6	35.0
45	1.66	27.6	1.9	83.26	7.16	3.58	0.0	20.0	0.0	77.9	30.7
46	1.66	28.3	1.9	70.9	6.1	3.05	0.0	20.0	0.0	66.4	26.2
47	1.66	28.9	1.9	57.76	4.97	2.48	0.0	20.0	0.0	54.2	21.4
48	2.45	29.7	2.8	59.5	5.12	2.56	0.0	20.0	0.0	55.9	22.1
49	0.88	30.4	1.0	12.92	1.11	0.56	0.0	20.0	0.0	12.2	4.8
50	1.66	30.9	1.9	9.86	0.85	0.42	0.0	20.0	0.0	9.3	3.7

$$x_c = 210.849 \quad y_c = 236.759 \quad R_c = 154.688 \quad F_s = 0.907$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.19	4.6	1.2	1.74	0.15	0.07	0.0	20.0	0.0	1.7	0.7
2	1.19	5.0	1.2	5.06	0.43	0.22	0.0	20.0	0.0	4.9	2.0
3	1.19	5.4	1.2	8.16	0.7	0.35	0.0	20.0	0.0	7.9	3.2
4	1.19	5.9	1.2	11.04	0.95	0.47	0.0	20.0	0.0	10.7	4.3
5	1.78	6.4	1.8	21.52	1.85	0.93	0.0	20.0	0.0	20.7	8.3
6	0.59	6.9	0.6	8.72	0.75	0.37	0.0	20.0	0.0	8.4	3.4
7	1.19	7.2	1.2	21.13	1.82	0.91	0.0	20.0	0.0	20.3	8.1
8	1.19	7.7	1.2	25.88	2.23	1.11	0.0	20.0	0.0	24.8	9.9
9	1.19	8.1	1.2	30.42	2.62	1.31	0.0	20.0	0.0	29.1	11.7
10	1.19	8.6	1.2	34.73	2.99	1.49	0.0	20.0	0.0	33.1	13.3
11	1.19	9.0	1.2	38.82	3.34	1.67	0.0	20.0	0.0	37.0	14.8
12	1.19	9.4	1.2	42.69	3.67	1.84	0.0	20.0	0.0	40.6	16.3
13	1.19	9.9	1.2	46.34	3.99	1.99	0.0	20.0	0.0	44.0	17.6
14	1.19	10.3	1.2	49.77	4.28	2.14	0.0	20.0	0.0	47.1	18.9
15	1.19	10.8	1.2	52.97	4.56	2.28	0.0	20.0	0.0	50.1	20.1
16	1.19	11.2	1.2	55.95	4.81	2.41	0.0	20.0	0.0	52.8	21.2
17	1.19	11.7	1.2	58.7	5.05	2.52	0.0	20.0	0.0	55.4	22.2
18	1.19	12.1	1.2	61.23	5.27	2.63	0.0	20.0	0.0	57.7	23.1
19	1.19	12.6	1.2	63.53	5.46	2.73	0.0	20.0	0.0	59.7	24.0
20	1.19	13.0	1.2	65.6	5.64	2.82	0.0	20.0	0.0	61.6	24.7
21	1.19	13.5	1.2	67.44	5.8	2.9	0.0	20.0	0.0	63.3	25.4
22	1.19	13.9	1.2	69.05	5.94	2.97	0.0	20.0	0.0	64.7	26.0
23	1.19	14.4	1.2	70.43	6.06	3.03	0.0	20.0	0.0	65.9	26.5



24	1.19	14.9	1.2	71.57	6.15	3.08	0.0	20.0	0.0	66.9	26.9
25	1.19	15.3	1.2	72.47	6.23	3.12	0.0	20.0	0.0	67.7	27.2
26	1.19	15.8	1.2	73.15	6.29	3.15	0.0	20.0	0.0	68.3	27.4
27	1.19	16.2	1.2	73.58	6.33	3.16	0.0	20.0	0.0	68.6	27.5
28	1.19	16.7	1.2	73.77	6.34	3.17	0.0	20.0	0.0	68.7	27.6
29	1.19	17.1	1.2	73.71	6.34	3.17	0.0	20.0	0.0	68.6	27.5
30	1.19	17.6	1.2	73.42	6.31	3.16	0.0	20.0	0.0	68.3	27.4
31	1.19	18.1	1.3	72.88	6.27	3.13	0.0	20.0	0.0	67.8	27.2
32	1.19	18.5	1.3	72.09	6.2	3.1	0.0	20.0	0.0	67.0	26.9
33	1.19	19.0	1.3	71.05	6.11	3.06	0.0	20.0	0.0	66.0	26.5
34	1.19	19.5	1.3	69.76	6.0	3.0	0.0	20.0	0.0	64.8	26.0
35	1.19	19.9	1.3	68.22	5.87	2.93	0.0	20.0	0.0	63.3	25.4
36	1.19	20.4	1.3	66.42	5.71	2.86	0.0	20.0	0.0	61.7	24.7
37	1.19	20.9	1.3	64.36	5.53	2.77	0.0	20.0	0.0	59.7	24.0
38	1.19	21.3	1.3	62.04	5.34	2.67	0.0	20.0	0.0	57.6	23.1
39	1.19	21.8	1.3	59.46	5.11	2.56	0.0	20.0	0.0	55.2	22.1
40	1.19	22.3	1.3	56.61	4.87	2.43	0.0	20.0	0.0	52.5	21.1
41	1.19	22.8	1.3	53.49	4.6	2.3	0.0	20.0	0.0	49.6	19.9
42	1.19	23.2	1.3	50.1	4.31	2.15	0.0	20.0	0.0	46.5	18.7
43	1.19	23.7	1.3	46.44	3.99	2.0	0.0	20.0	0.0	43.1	17.3
44	1.76	24.3	1.9	61.35	5.28	2.64	0.0	20.0	0.0	57.0	22.9
45	0.62	24.8	0.7	19.19	1.65	0.83	0.0	20.0	0.0	17.8	7.2
46	1.19	25.2	1.3	31.94	2.75	1.37	0.0	20.0	0.0	29.7	11.9
47	1.19	25.7	1.3	25.36	2.18	1.09	0.0	20.0	0.0	23.6	9.5
48	1.19	26.2	1.3	18.48	1.59	0.79	0.0	20.0	0.0	17.2	6.9
49	1.19	26.6	1.3	11.31	0.97	0.49	0.0	20.0	0.0	10.5	4.2
50	1.19	27.1	1.3	3.85	0.33	0.17	0.0	20.0	0.0	3.6	1.4

$$x_c = 131.762 \quad y_c = 246.805 \quad R_c = 187.939 \quad F_s = 1.055$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.89	-0.6	1.9	7.72	0.66	0.33	0.0	20.0	0.0	7.8	2.7
2	1.89	0.0	1.9	22.65	1.95	0.97	0.0	20.0	0.0	22.7	7.8
3	1.89	0.5	1.9	36.86	3.17	1.59	0.0	20.0	0.0	36.7	12.7
4	1.89	1.1	1.9	50.38	4.33	2.17	0.0	20.0	0.0	50.1	17.3
5	1.89	1.7	1.9	63.19	5.43	2.72	0.0	20.0	0.0	62.6	21.6
6	1.89	2.3	1.9	75.3	6.48	3.24	0.0	20.0	0.0	74.3	25.7
7	1.89	2.9	1.9	86.7	7.46	3.73	0.0	20.0	0.0	85.3	29.4
8	1.89	3.4	1.9	97.4	8.38	4.19	0.0	20.0	0.0	95.6	33.0
9	1.89	4.0	1.9	107.39	9.24	4.62	0.0	20.0	0.0	105.1	36.3
10	1.89	4.6	1.9	116.67	10.03	5.02	0.0	20.0	0.0	113.9	39.3
11	1.89	5.2	1.9	125.24	10.77	5.39	0.0	20.0	0.0	121.9	42.1
12	1.89	5.7	1.9	133.1	11.45	5.72	0.0	20.0	0.0	129.3	44.6
13	1.89	6.3	1.9	140.24	12.06	6.03	0.0	20.0	0.0	135.9	46.9
14	1.89	6.9	1.9	146.67	12.61	6.31	0.0	20.0	0.0	141.8	48.9
15	2.22	7.5	2.2	179.83	15.47	7.73	0.0	20.0	0.0	173.5	59.9
16	1.56	8.1	1.6	130.93	11.26	5.63	0.0	20.0	0.0	126.1	43.5
17	1.89	8.6	1.9	165.57	14.24	7.12	0.0	20.0	0.0	159.1	54.9
18	1.89	9.2	1.9	172.08	14.8	7.4	0.0	20.0	0.0	165.1	57.0
19	1.89	9.8	1.9	177.86	15.3	7.65	0.0	20.0	0.0	170.3	58.8
20	1.89	10.4	1.9	182.9	15.73	7.86	0.0	20.0	0.0	174.9	60.3
21	1.89	11.0	1.9	187.2	16.1	8.05	0.0	20.0	0.0	178.7	61.7
22	1.89	11.6	1.9	190.76	16.41	8.2	0.0	20.0	0.0	181.9	62.8

23	1.89	12.2	1.9	193.58	16.65	8.32	0.0	20.0	0.0	184.3	63.6
24	1.89	12.7	1.9	195.64	16.82	8.41	0.0	20.0	0.0	186.1	64.2
25	1.89	13.3	1.9	196.94	16.94	8.47	0.0	20.0	0.0	187.1	64.6
26	1.89	13.9	1.9	197.48	16.98	8.49	0.0	20.0	0.0	187.4	64.7
27	1.89	14.5	2.0	197.25	16.96	8.48	0.0	20.0	0.0	187.0	64.5
28	1.89	15.1	2.0	196.24	16.88	8.44	0.0	20.0	0.0	185.9	64.2
29	1.89	15.7	2.0	194.45	16.72	8.36	0.0	20.0	0.0	184.1	63.5
30	1.89	16.3	2.0	191.88	16.5	8.25	0.0	20.0	0.0	181.6	62.7
31	1.89	16.9	2.0	188.5	16.21	8.11	0.0	20.0	0.0	178.3	61.5
32	1.89	17.5	2.0	184.33	15.85	7.93	0.0	20.0	0.0	174.3	60.2
33	1.89	18.1	2.0	179.34	15.42	7.71	0.0	20.0	0.0	169.6	58.5
34	1.89	18.7	2.0	173.54	14.92	7.46	0.0	20.0	0.0	164.0	56.6
35	1.89	19.3	2.0	166.9	14.35	7.18	0.0	20.0	0.0	157.8	54.4
36	1.89	20.0	2.0	159.43	13.71	6.86	0.0	20.0	0.0	150.7	52.0
37	1.89	20.6	2.0	151.11	13.0	6.5	0.0	20.0	0.0	142.9	49.3
38	1.89	21.2	2.0	141.94	12.21	6.1	0.0	20.0	0.0	134.3	46.3
39	1.89	21.8	2.0	131.9	11.34	5.67	0.0	20.0	0.0	124.8	43.1
40	1.89	22.4	2.0	120.98	10.4	5.2	0.0	20.0	0.0	114.6	39.5
41	1.89	23.1	2.1	109.16	9.39	4.69	0.0	20.0	0.0	103.4	35.7
42	1.89	23.7	2.1	96.45	8.29	4.15	0.0	20.0	0.0	91.5	31.6
43	1.27	24.2	1.4	57.09	4.91	2.45	0.0	20.0	0.0	54.2	18.7
44	2.51	24.8	2.8	103.71	8.92	4.46	0.0	20.0	0.0	98.5	34.0
45	1.89	25.6	2.1	72.82	6.26	3.13	0.0	20.0	0.0	69.3	23.9
46	1.89	26.2	2.1	67.32	5.79	2.89	0.0	20.0	0.0	64.1	22.1
47	1.89	26.9	2.1	60.86	5.23	2.62	0.0	20.0	0.0	58.1	20.0
48	1.65	27.5	1.9	47.01	4.04	2.02	0.0	20.0	0.0	44.9	15.5
49	2.13	28.1	2.4	42.26	3.63	1.82	0.0	20.0	0.0	40.5	14.0
50	1.89	28.8	2.2	12.26	1.05	0.53	0.0	20.0	0.0	11.8	4.1

$$x_c = 151.534 \quad y_c = 251.828 \quad R_c = 185.912 \quad F_s = 0.971$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.43	3.8	1.4	3.7	0.32	0.16	0.0	20.0	0.0	3.6	1.4
2	1.43	4.3	1.4	10.85	0.93	0.47	0.0	20.0	0.0	10.6	4.0
3	1.43	4.7	1.4	17.7	1.52	0.76	0.0	20.0	0.0	17.2	6.5
4	1.43	5.2	1.4	24.24	2.08	1.04	0.0	20.0	0.0	23.5	8.8
5	1.43	5.6	1.4	30.47	2.62	1.31	0.0	20.0	0.0	29.5	11.1
6	1.43	6.0	1.4	36.39	3.13	1.56	0.0	20.0	0.0	35.2	13.2
7	1.43	6.5	1.4	42.0	3.61	1.81	0.0	20.0	0.0	40.5	15.2
8	1.43	6.9	1.4	47.29	4.07	2.03	0.0	20.0	0.0	45.6	17.1
9	1.43	7.4	1.4	52.28	4.5	2.25	0.0	20.0	0.0	50.3	18.8
10	1.43	7.8	1.4	56.94	4.9	2.45	0.0	20.0	0.0	54.7	20.5
11	1.43	8.3	1.4	61.3	5.27	2.64	0.0	20.0	0.0	58.7	22.0
12	1.43	8.7	1.4	65.33	5.62	2.81	0.0	20.0	0.0	62.5	23.4
13	1.43	9.2	1.4	69.05	5.94	2.97	0.0	20.0	0.0	66.0	24.7
14	1.43	9.6	1.4	72.45	6.23	3.12	0.0	20.0	0.0	69.1	25.9
15	1.43	10.0	1.4	75.54	6.5	3.25	0.0	20.0	0.0	71.9	27.0
16	1.43	10.5	1.5	78.3	6.73	3.37	0.0	20.0	0.0	74.5	27.9
17	1.43	10.9	1.5	80.73	6.94	3.47	0.0	20.0	0.0	76.7	28.7
18	1.43	11.4	1.5	82.85	7.13	3.56	0.0	20.0	0.0	78.6	29.5
19	1.43	11.8	1.5	84.64	7.28	3.64	0.0	20.0	0.0	80.2	30.1
20	1.43	12.3	1.5	86.1	7.4	3.7	0.0	20.0	0.0	81.5	30.5
21	1.43	12.7	1.5	87.24	7.5	3.75	0.0	20.0	0.0	82.5	30.9

22	1.43	13.2	1.5	88.04	7.57	3.79	0.0	20.0	0.0	83.1	31.2
23	1.43	13.6	1.5	88.51	7.61	3.81	0.0	20.0	0.0	83.5	31.3
24	1.43	14.1	1.5	88.65	7.62	3.81	0.0	20.0	0.0	83.5	31.3
25	1.43	14.5	1.5	88.45	7.61	3.8	0.0	20.0	0.0	83.3	31.2
26	1.43	15.0	1.5	87.92	7.56	3.78	0.0	20.0	0.0	82.7	31.0
27	1.43	15.5	1.5	87.04	7.49	3.74	0.0	20.0	0.0	81.8	30.7
28	1.43	15.9	1.5	85.83	7.38	3.69	0.0	20.0	0.0	80.6	30.2
29	1.43	16.4	1.5	84.26	7.25	3.62	0.0	20.0	0.0	79.1	29.7
30	1.43	16.8	1.5	82.36	7.08	3.54	0.0	20.0	0.0	77.3	29.0
31	1.43	17.3	1.5	80.1	6.89	3.44	0.0	20.0	0.0	75.1	28.2
32	1.95	17.8	2.1	105.41	9.07	4.53	0.0	20.0	0.0	98.8	37.0
33	0.9	18.3	0.9	47.86	4.12	2.06	0.0	20.0	0.0	44.8	16.8
34	1.43	18.7	1.5	78.27	6.73	3.37	0.0	20.0	0.0	73.3	27.5
35	1.43	19.1	1.5	80.85	6.95	3.48	0.0	20.0	0.0	75.7	28.4
36	1.43	19.6	1.5	83.06	7.14	3.57	0.0	20.0	0.0	77.8	29.2
37	1.43	20.1	1.5	84.9	7.3	3.65	0.0	20.0	0.0	79.5	29.8
38	1.43	20.5	1.5	86.38	7.43	3.71	0.0	20.0	0.0	80.9	30.3
39	1.79	21.1	1.9	110.04	9.46	4.73	0.0	20.0	0.0	103.0	38.6
40	1.06	21.5	1.1	63.41	5.45	2.73	0.0	20.0	0.0	59.4	22.3
41	1.43	22.0	1.5	78.45	6.75	3.37	0.0	20.0	0.0	73.5	27.5
42	1.43	22.4	1.5	70.29	6.04	3.02	0.0	20.0	0.0	65.9	24.7
43	1.43	22.9	1.5	61.74	5.31	2.65	0.0	20.0	0.0	57.9	21.7
44	1.43	23.4	1.6	52.79	4.54	2.27	0.0	20.0	0.0	49.5	18.6
45	1.43	23.9	1.6	43.46	3.74	1.87	0.0	20.0	0.0	40.8	15.3
46	1.63	24.4	1.8	37.72	3.24	1.62	0.0	20.0	0.0	35.4	13.3
47	1.22	24.9	1.3	21.02	1.81	0.9	0.0	20.0	0.0	19.7	7.4
48	1.43	25.3	1.6	18.37	1.58	0.79	0.0	20.0	0.0	17.3	6.5
49	1.43	25.8	1.6	11.33	0.97	0.49	0.0	20.0	0.0	10.7	4.0
50	1.43	26.3	1.6	3.88	0.33	0.17	0.0	20.0	0.0	3.7	1.4

$$x_c = 191.078 \quad y_c = 251.828 \quad R_c = 177.642 \quad F_s = 0.924$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.75	1.5	1.8	6.78	0.58	0.29	0.0	20.0	0.0	6.7	2.6
2	1.75	2.1	1.8	19.89	1.71	0.86	0.0	20.0	0.0	19.6	7.7
3	1.75	2.7	1.8	32.4	2.79	1.39	0.0	20.0	0.0	31.9	12.5
4	1.75	3.2	1.8	44.32	3.81	1.91	0.0	20.0	0.0	43.4	17.1
5	1.75	3.8	1.8	55.65	4.79	2.39	0.0	20.0	0.0	54.4	21.4
6	1.75	4.4	1.8	66.38	5.71	2.85	0.0	20.0	0.0	64.6	25.4
7	1.75	4.9	1.8	76.52	6.58	3.29	0.0	20.0	0.0	74.3	29.2
8	2.2	5.6	2.2	109.49	9.42	4.71	0.0	20.0	0.0	105.9	41.7
9	1.3	6.1	1.3	74.18	6.38	3.19	0.0	20.0	0.0	71.6	28.2
10	1.75	6.6	1.8	115.05	9.89	4.95	0.0	20.0	0.0	110.7	43.6
11	1.75	7.2	1.8	132.19	11.37	5.68	0.0	20.0	0.0	126.9	50.0
12	1.75	7.8	1.8	148.73	12.79	6.4	0.0	20.0	0.0	142.4	56.1
13	1.75	8.4	1.8	164.66	14.16	7.08	0.0	20.0	0.0	157.3	62.0
14	1.52	8.9	1.5	155.7	13.39	6.7	0.0	20.0	0.0	148.5	58.5
15	1.98	9.5	2.0	211.16	18.16	9.08	0.0	20.0	0.0	200.9	79.1
16	1.75	10.1	1.8	188.85	16.24	8.12	0.0	20.0	0.0	179.3	70.6
17	1.75	10.6	1.8	190.1	16.35	8.17	0.0	20.0	0.0	180.1	70.9
18	1.75	11.2	1.8	190.73	16.4	8.2	0.0	20.0	0.0	180.4	71.0
19	2.6	11.9	2.7	282.99	24.34	12.17	0.0	20.0	0.0	267.0	105.1
20	0.9	12.5	0.9	98.66	8.48	4.24	0.0	20.0	0.0	92.9	36.6

21	1.75	12.9	1.8	194.85	16.76	8.38	0.0	20.0	0.0	183.3	72.2
22	1.75	13.5	1.8	198.86	17.1	8.55	0.0	20.0	0.0	186.8	73.6
23	1.75	14.1	1.8	202.24	17.39	8.7	0.0	20.0	0.0	189.7	74.7
24	1.75	14.7	1.8	204.97	17.63	8.81	0.0	20.0	0.0	192.1	75.6
25	1.75	15.3	1.8	207.04	17.81	8.9	0.0	20.0	0.0	193.8	76.3
26	1.75	15.9	1.8	208.45	17.93	8.96	0.0	20.0	0.0	194.9	76.7
27	1.75	16.5	1.8	209.2	17.99	9.0	0.0	20.0	0.0	195.4	76.9
28	1.75	17.0	1.8	209.28	18.0	9.0	0.0	20.0	0.0	195.3	76.9
29	1.75	17.6	1.8	208.68	17.95	8.97	0.0	20.0	0.0	194.6	76.6
30	1.75	18.2	1.8	207.4	17.84	8.92	0.0	20.0	0.0	193.3	76.1
31	1.75	18.8	1.8	205.43	17.67	8.83	0.0	20.0	0.0	191.4	75.3
32	1.75	19.4	1.9	202.76	17.44	8.72	0.0	20.0	0.0	188.8	74.3
33	1.75	20.0	1.9	199.38	17.15	8.57	0.0	20.0	0.0	185.6	73.1
34	1.75	20.6	1.9	195.29	16.8	8.4	0.0	20.0	0.0	181.7	71.6
35	1.75	21.2	1.9	190.48	16.38	8.19	0.0	20.0	0.0	177.2	69.8
36	1.75	21.8	1.9	184.94	15.9	7.95	0.0	20.0	0.0	172.1	67.8
37	1.75	22.4	1.9	178.66	15.36	7.68	0.0	20.0	0.0	166.3	65.5
38	1.75	23.1	1.9	171.63	14.76	7.38	0.0	20.0	0.0	159.8	62.9
39	1.75	23.7	1.9	163.84	14.09	7.05	0.0	20.0	0.0	152.6	60.1
40	1.75	24.3	1.9	155.28	13.35	6.68	0.0	20.0	0.0	144.7	57.0
41	1.75	24.9	1.9	145.94	12.55	6.28	0.0	20.0	0.0	136.0	53.6
42	1.75	25.5	1.9	135.81	11.68	5.84	0.0	20.0	0.0	126.7	49.9
43	1.75	26.2	2.0	124.86	10.74	5.37	0.0	20.0	0.0	116.6	45.9
44	1.75	26.8	2.0	113.11	9.73	4.86	0.0	20.0	0.0	105.7	41.6
45	1.75	27.4	2.0	100.52	8.64	4.32	0.0	20.0	0.0	94.0	37.0
46	1.67	28.0	1.9	83.33	7.17	3.58	0.0	20.0	0.0	78.0	30.7
47	1.83	28.7	2.1	74.41	6.4	3.2	0.0	20.0	0.0	69.8	27.5
48	1.75	29.3	2.0	51.6	4.44	2.22	0.0	20.0	0.0	48.5	19.1
49	1.75	30.0	2.0	31.65	2.72	1.36	0.0	20.0	0.0	29.8	11.7
50	1.75	30.7	2.0	10.78	0.93	0.46	0.0	20.0	0.0	10.2	4.0

$$x_c = 210.849 \quad y_c = 246.805 \quad R_c = 164.71 \quad F_s = 0.915$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.28	4.3	1.3	2.09	0.18	0.09	0.0	20.0	0.0	2.0	0.8
2	1.28	4.7	1.3	6.07	0.52	0.26	0.0	20.0	0.0	5.9	2.3
3	1.28	5.2	1.3	9.8	0.84	0.42	0.0	20.0	0.0	9.5	3.8
4	1.28	5.6	1.3	13.28	1.14	0.57	0.0	20.0	0.0	12.8	5.1
5	1.45	6.1	1.5	19.01	1.64	0.82	0.0	20.0	0.0	18.3	7.3
6	1.1	6.6	1.1	18.17	1.56	0.78	0.0	20.0	0.0	17.5	7.0
7	1.28	7.0	1.3	26.52	2.28	1.14	0.0	20.0	0.0	25.5	10.1
8	1.28	7.4	1.3	32.15	2.76	1.38	0.0	20.0	0.0	30.8	12.3
9	1.28	7.9	1.3	37.52	3.23	1.61	0.0	20.0	0.0	35.9	14.3
10	1.28	8.3	1.3	42.64	3.67	1.83	0.0	20.0	0.0	40.7	16.2
11	1.28	8.8	1.3	47.5	4.08	2.04	0.0	20.0	0.0	45.3	18.0
12	1.28	9.2	1.3	52.1	4.48	2.24	0.0	20.0	0.0	49.6	19.7
13	1.28	9.7	1.3	56.45	4.85	2.43	0.0	20.0	0.0	53.6	21.3
14	1.28	10.1	1.3	60.54	5.21	2.6	0.0	20.0	0.0	57.4	22.8
15	1.28	10.6	1.3	64.36	5.54	2.77	0.0	20.0	0.0	61.0	24.2
16	1.28	11.0	1.3	67.93	5.84	2.92	0.0	20.0	0.0	64.2	25.5
17	1.28	11.5	1.3	71.23	6.13	3.06	0.0	20.0	0.0	67.3	26.7
18	1.28	11.9	1.3	74.27	6.39	3.19	0.0	20.0	0.0	70.0	27.8
19	1.28	12.4	1.3	77.05	6.63	3.31	0.0	20.0	0.0	72.5	28.8

20	1.28	12.8	1.3	79.56	6.84	3.42	0.0	20.0	0.0	74.8	29.7
21	1.28	13.3	1.3	81.8	7.03	3.52	0.0	20.0	0.0	76.8	30.6
22	1.28	13.8	1.3	83.77	7.2	3.6	0.0	20.0	0.0	78.6	31.3
23	1.28	14.2	1.3	85.47	7.35	3.68	0.0	20.0	0.0	80.1	31.9
24	1.28	14.7	1.3	86.9	7.47	3.74	0.0	20.0	0.0	81.4	32.4
25	1.28	15.1	1.3	88.05	7.57	3.79	0.0	20.0	0.0	82.4	32.8
26	1.28	15.6	1.3	88.93	7.65	3.82	0.0	20.0	0.0	83.1	33.0
27	1.28	16.1	1.3	89.53	7.7	3.85	0.0	20.0	0.0	83.6	33.2
28	1.28	16.5	1.3	89.85	7.73	3.86	0.0	20.0	0.0	83.8	33.3
29	1.28	17.0	1.3	89.9	7.73	3.87	0.0	20.0	0.0	83.8	33.3
30	1.28	17.4	1.3	89.65	7.71	3.85	0.0	20.0	0.0	83.5	33.2
31	1.28	17.9	1.3	89.12	7.66	3.83	0.0	20.0	0.0	83.0	33.0
32	1.28	18.4	1.3	88.3	7.59	3.8	0.0	20.0	0.0	82.2	32.7
33	1.28	18.8	1.3	87.2	7.5	3.75	0.0	20.0	0.0	81.1	32.3
34	1.28	19.3	1.4	85.8	7.38	3.69	0.0	20.0	0.0	79.8	31.7
35	1.28	19.8	1.4	84.1	7.23	3.62	0.0	20.0	0.0	78.2	31.1
36	1.28	20.3	1.4	82.1	7.06	3.53	0.0	20.0	0.0	76.3	30.3
37	1.28	20.7	1.4	79.81	6.86	3.43	0.0	20.0	0.0	74.2	29.5
38	1.28	21.2	1.4	77.21	6.64	3.32	0.0	20.0	0.0	71.8	28.5
39	1.28	21.7	1.4	74.31	6.39	3.2	0.0	20.0	0.0	69.0	27.5
40	1.28	22.2	1.4	71.09	6.11	3.06	0.0	20.0	0.0	66.1	26.3
41	1.79	22.7	1.9	93.59	8.05	4.02	0.0	20.0	0.0	87.0	34.6
42	0.77	23.2	0.8	37.35	3.21	1.61	0.0	20.0	0.0	34.7	13.8
43	1.28	23.6	1.4	57.29	4.93	2.46	0.0	20.0	0.0	53.3	21.2
44	1.28	24.1	1.4	50.74	4.36	2.18	0.0	20.0	0.0	47.2	18.8
45	1.28	24.6	1.4	43.85	3.77	1.89	0.0	20.0	0.0	40.8	16.2
46	1.28	25.1	1.4	36.64	3.15	1.58	0.0	20.0	0.0	34.1	13.6
47	1.28	25.6	1.4	29.1	2.5	1.25	0.0	20.0	0.0	27.1	10.8
48	1.28	26.1	1.4	21.22	1.82	0.91	0.0	20.0	0.0	19.8	7.9
49	1.28	26.6	1.4	12.99	1.12	0.56	0.0	20.0	0.0	12.1	4.8
50	1.28	27.1	1.4	4.42	0.38	0.19	0.0	20.0	0.0	4.1	1.6

$$x_c = 131.762 \quad y_c = 256.851 \quad R_c = 197.973 \quad F_s = 1.044$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.97	-0.5	2.0	8.36	0.72	0.36	0.0	20.0	0.0	8.4	2.9
2	1.97	0.0	2.0	24.51	2.11	1.05	0.0	20.0	0.0	24.5	8.5
3	1.97	0.6	2.0	39.9	3.43	1.72	0.0	20.0	0.0	39.8	13.9
4	1.97	1.2	2.0	54.53	4.69	2.34	0.0	20.0	0.0	54.2	18.9
5	1.97	1.7	2.0	68.41	5.88	2.94	0.0	20.0	0.0	67.7	23.6
6	1.97	2.3	2.0	81.53	7.01	3.51	0.0	20.0	0.0	80.5	28.1
7	1.97	2.9	2.0	93.89	8.07	4.04	0.0	20.0	0.0	92.4	32.2
8	1.97	3.4	2.0	105.5	9.07	4.54	0.0	20.0	0.0	103.5	36.1
9	1.97	4.0	2.0	116.34	10.0	5.0	0.0	20.0	0.0	113.8	39.7
10	1.97	4.6	2.0	126.42	10.87	5.44	0.0	20.0	0.0	123.4	43.0
11	1.97	5.2	2.0	135.73	11.67	5.84	0.0	20.0	0.0	132.1	46.1
12	1.97	5.7	2.0	144.28	12.41	6.2	0.0	20.0	0.0	140.1	48.9
13	1.97	6.3	2.0	152.06	13.08	6.54	0.0	20.0	0.0	147.3	51.4
14	1.97	6.9	2.0	159.07	13.68	6.84	0.0	20.0	0.0	153.8	53.6
15	1.05	7.3	1.1	87.34	7.51	3.76	0.0	20.0	0.0	84.3	29.4
16	2.89	7.9	2.9	252.27	21.7	10.85	0.0	20.0	0.0	242.9	84.7
17	1.97	8.6	2.0	181.82	15.64	7.82	0.0	20.0	0.0	174.7	60.9
18	1.97	9.2	2.0	188.95	16.25	8.12	0.0	20.0	0.0	181.2	63.2

19	1.97	9.8	2.0	195.3	16.8	8.4	0.0	20.0	0.0	187.0	65.2
20	1.97	10.3	2.0	200.85	17.27	8.64	0.0	20.0	0.0	192.0	66.9
21	1.97	10.9	2.0	205.62	17.68	8.84	0.0	20.0	0.0	196.2	68.4
22	1.97	11.5	2.0	209.58	18.02	9.01	0.0	20.0	0.0	199.7	69.6
23	1.97	12.1	2.0	212.74	18.3	9.15	0.0	20.0	0.0	202.4	70.6
24	1.97	12.7	2.0	215.08	18.5	9.25	0.0	20.0	0.0	204.4	71.3
25	1.97	13.2	2.0	216.62	18.63	9.31	0.0	20.0	0.0	205.7	71.7
26	1.97	13.8	2.0	217.33	18.69	9.35	0.0	20.0	0.0	206.1	71.9
27	1.97	14.4	2.0	217.22	18.68	9.34	0.0	20.0	0.0	205.8	71.8
28	1.97	15.0	2.0	216.28	18.6	9.3	0.0	20.0	0.0	204.8	71.4
29	1.97	15.6	2.0	214.49	18.45	9.22	0.0	20.0	0.0	202.9	70.8
30	1.97	16.2	2.1	211.86	18.22	9.11	0.0	20.0	0.0	200.3	69.9
31	1.97	16.8	2.1	208.37	17.92	8.96	0.0	20.0	0.0	196.9	68.7
32	1.97	17.4	2.1	204.02	17.55	8.77	0.0	20.0	0.0	192.7	67.2
33	1.97	18.0	2.1	198.8	17.1	8.55	0.0	20.0	0.0	187.8	65.5
34	1.97	18.6	2.1	192.71	16.57	8.29	0.0	20.0	0.0	182.0	63.5
35	1.97	19.2	2.1	185.72	15.97	7.99	0.0	20.0	0.0	175.4	61.1
36	1.97	19.8	2.1	177.83	15.29	7.65	0.0	20.0	0.0	167.9	58.6
37	1.97	20.4	2.1	169.04	14.54	7.27	0.0	20.0	0.0	159.6	55.7
38	1.97	21.0	2.1	159.33	13.7	6.85	0.0	20.0	0.0	150.5	52.5
39	1.97	21.6	2.1	148.69	12.79	6.39	0.0	20.0	0.0	140.5	49.0
40	1.97	22.2	2.1	137.1	11.79	5.9	0.0	20.0	0.0	129.6	45.2
41	1.78	22.8	1.9	113.26	9.74	4.87	0.0	20.0	0.0	107.2	37.4
42	2.16	23.4	2.4	129.52	11.14	5.57	0.0	20.0	0.0	122.6	42.8
43	1.97	24.1	2.2	115.59	9.94	4.97	0.0	20.0	0.0	109.5	38.2
44	1.97	24.7	2.2	112.03	9.63	4.82	0.0	20.0	0.0	106.3	37.1
45	1.97	25.4	2.2	107.46	9.24	4.62	0.0	20.0	0.0	102.1	35.6
46	1.76	26.0	2.0	91.36	7.86	3.93	0.0	20.0	0.0	86.9	30.3
47	2.18	26.6	2.4	96.27	8.28	4.14	0.0	20.0	0.0	91.7	32.0
48	1.97	27.3	2.2	62.68	5.39	2.7	0.0	20.0	0.0	59.8	20.8
49	1.97	27.9	2.2	38.43	3.31	1.65	0.0	20.0	0.0	36.7	12.8
50	1.97	28.6	2.2	13.09	1.13	0.56	0.0	20.0	0.0	12.5	4.4

$$x_c = 151.534 \quad y_c = 261.875 \quad R_c = 195.943 \quad F_s = 0.968$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.54	3.7	1.5	4.41	0.38	0.19	0.0	20.0	0.0	4.3	1.6
2	1.54	4.1	1.5	12.94	1.11	0.56	0.0	20.0	0.0	12.6	4.8
3	1.54	4.6	1.5	21.11	1.82	0.91	0.0	20.0	0.0	20.6	7.7
4	1.54	5.0	1.6	28.9	2.49	1.24	0.0	20.0	0.0	28.1	10.6
5	1.54	5.5	1.6	36.32	3.12	1.56	0.0	20.0	0.0	35.2	13.2
6	1.54	5.9	1.6	43.36	3.73	1.86	0.0	20.0	0.0	42.0	15.8
7	1.54	6.4	1.6	50.03	4.3	2.15	0.0	20.0	0.0	48.3	18.2
8	1.54	6.8	1.6	56.32	4.84	2.42	0.0	20.0	0.0	54.3	20.4
9	1.54	7.3	1.6	62.24	5.35	2.68	0.0	20.0	0.0	59.9	22.5
10	1.54	7.7	1.6	67.78	5.83	2.91	0.0	20.0	0.0	65.1	24.5
11	1.54	8.2	1.6	72.94	6.27	3.14	0.0	20.0	0.0	69.9	26.3
12	1.54	8.7	1.6	77.72	6.68	3.34	0.0	20.0	0.0	74.4	28.0
13	1.54	9.1	1.6	82.12	7.06	3.53	0.0	20.0	0.0	78.4	29.5
14	1.54	9.6	1.6	86.13	7.41	3.7	0.0	20.0	0.0	82.1	30.9
15	1.54	10.0	1.6	89.77	7.72	3.86	0.0	20.0	0.0	85.5	32.2
16	1.54	10.5	1.6	93.01	8.0	4.0	0.0	20.0	0.0	88.4	33.3
17	1.54	10.9	1.6	95.87	8.24	4.12	0.0	20.0	0.0	91.0	34.2

18	1.54	11.4	1.6	98.33	8.46	4.23	0.0	20.0	0.0	93.2	35.1
19	1.54	11.9	1.6	100.41	8.64	4.32	0.0	20.0	0.0	95.1	35.8
20	1.54	12.3	1.6	102.09	8.78	4.39	0.0	20.0	0.0	96.6	36.3
21	1.54	12.8	1.6	103.38	8.89	4.45	0.0	20.0	0.0	97.7	36.7
22	1.54	13.3	1.6	104.27	8.97	4.48	0.0	20.0	0.0	98.4	37.0
23	1.54	13.7	1.6	104.76	9.01	4.5	0.0	20.0	0.0	98.8	37.1
24	1.54	14.2	1.6	104.84	9.02	4.51	0.0	20.0	0.0	98.8	37.1
25	1.54	14.6	1.6	104.52	8.99	4.49	0.0	20.0	0.0	98.4	37.0
26	1.54	15.1	1.6	103.8	8.93	4.46	0.0	20.0	0.0	97.6	36.7
27	1.54	15.6	1.6	102.66	8.83	4.41	0.0	20.0	0.0	96.5	36.3
28	1.54	16.1	1.6	101.12	8.7	4.35	0.0	20.0	0.0	94.9	35.7
29	1.54	16.5	1.6	99.15	8.53	4.26	0.0	20.0	0.0	93.0	35.0
30	1.41	17.0	1.5	88.34	7.6	3.8	0.0	20.0	0.0	82.9	31.2
31	1.68	17.4	1.8	106.74	9.18	4.59	0.0	20.0	0.0	100.1	37.6
32	1.54	17.9	1.6	102.38	8.8	4.4	0.0	20.0	0.0	95.9	36.1
33	1.54	18.4	1.6	106.06	9.12	4.56	0.0	20.0	0.0	99.3	37.4
34	1.54	18.9	1.6	109.3	9.4	4.7	0.0	20.0	0.0	102.4	38.5
35	1.54	19.4	1.6	112.11	9.64	4.82	0.0	20.0	0.0	105.0	39.5
36	1.97	19.9	2.1	146.14	12.57	6.28	0.0	20.0	0.0	136.8	51.5
37	1.12	20.4	1.2	82.24	7.07	3.54	0.0	20.0	0.0	77.0	29.0
38	1.54	20.8	1.7	106.21	9.13	4.57	0.0	20.0	0.0	99.4	37.4
39	1.54	21.3	1.7	97.72	8.4	4.2	0.0	20.0	0.0	91.5	34.4
40	1.54	21.8	1.7	88.77	7.63	3.82	0.0	20.0	0.0	83.1	31.3
41	1.54	22.3	1.7	79.36	6.82	3.41	0.0	20.0	0.0	74.3	28.0
42	1.54	22.8	1.7	69.48	5.98	2.99	0.0	20.0	0.0	65.1	24.5
43	0.98	23.2	1.1	38.76	3.33	1.67	0.0	20.0	0.0	36.3	13.7
44	2.11	23.7	2.3	73.01	6.28	3.14	0.0	20.0	0.0	68.4	25.7
45	1.54	24.2	1.7	45.63	3.92	1.96	0.0	20.0	0.0	42.8	16.1
46	1.54	24.7	1.7	38.46	3.31	1.65	0.0	20.0	0.0	36.1	13.6
47	1.54	25.2	1.7	30.79	2.65	1.32	0.0	20.0	0.0	28.9	10.9
48	1.54	25.7	1.7	22.63	1.95	0.97	0.0	20.0	0.0	21.3	8.0
49	1.54	26.2	1.7	13.96	1.2	0.6	0.0	20.0	0.0	13.1	4.9
50	1.54	26.7	1.7	4.78	0.41	0.21	0.0	20.0	0.0	4.5	1.7

$x_c = 171.306$   $y_c = 256.851$   $R_c = 183.532$   $F_s = 0.906$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.86	9.5	0.9	0.62	0.05	0.03	0.0	20.0	0.0	0.6	0.2
2	0.86	9.7	0.9	1.79	0.15	0.08	0.0	20.0	0.0	1.7	0.7
3	0.86	10.0	0.9	2.9	0.25	0.12	0.0	20.0	0.0	2.7	1.1
4	0.86	10.3	0.9	3.93	0.34	0.17	0.0	20.0	0.0	3.7	1.5
5	0.86	10.6	0.9	4.9	0.42	0.21	0.0	20.0	0.0	4.6	1.9
6	0.86	10.8	0.9	5.79	0.5	0.25	0.0	20.0	0.0	5.5	2.2
7	0.86	11.1	0.9	6.61	0.57	0.28	0.0	20.0	0.0	6.2	2.5
8	0.86	11.4	0.9	7.35	0.63	0.32	0.0	20.0	0.0	6.9	2.8
9	0.86	11.7	0.9	8.03	0.69	0.35	0.0	20.0	0.0	7.6	3.0
10	0.62	11.9	0.6	6.19	0.53	0.27	0.0	20.0	0.0	5.8	2.3
11	1.1	12.2	1.1	13.45	1.16	0.58	0.0	20.0	0.0	12.7	5.1
12	0.86	12.5	0.9	13.66	1.17	0.59	0.0	20.0	0.0	12.8	5.2
13	0.86	12.8	0.9	16.32	1.4	0.7	0.0	20.0	0.0	15.3	6.2
14	0.86	13.0	0.9	18.91	1.63	0.81	0.0	20.0	0.0	17.8	7.1
15	0.86	13.3	0.9	21.42	1.84	0.92	0.0	20.0	0.0	20.1	8.1
16	0.86	13.6	0.9	23.86	2.05	1.03	0.0	20.0	0.0	22.4	9.0

17	0.86	13.9	0.9	26.23	2.26	1.13	0.0	20.0	0.0	24.6	9.9
18	0.86	14.1	0.9	28.52	2.45	1.23	0.0	20.0	0.0	26.7	10.7
19	0.86	14.4	0.9	30.73	2.64	1.32	0.0	20.0	0.0	28.8	11.6
20	0.86	14.7	0.9	32.88	2.83	1.41	0.0	20.0	0.0	30.7	12.3
21	0.98	15.0	1.0	39.89	3.43	1.72	0.0	20.0	0.0	37.3	15.0
22	0.74	15.3	0.8	30.88	2.66	1.33	0.0	20.0	0.0	28.8	11.6
23	0.86	15.5	0.9	34.81	2.99	1.5	0.0	20.0	0.0	32.5	13.1
24	0.86	15.8	0.9	33.7	2.9	1.45	0.0	20.0	0.0	31.4	12.6
25	0.86	16.1	0.9	32.5	2.79	1.4	0.0	20.0	0.0	30.3	12.2
26	0.86	16.4	0.9	31.23	2.69	1.34	0.0	20.0	0.0	29.1	11.7
27	0.86	16.7	0.9	29.88	2.57	1.28	0.0	20.0	0.0	27.8	11.2
28	0.86	16.9	0.9	28.45	2.45	1.22	0.0	20.0	0.0	26.5	10.6
29	0.86	17.2	0.9	26.94	2.32	1.16	0.0	20.0	0.0	25.1	10.1
30	0.86	17.5	0.9	25.36	2.18	1.09	0.0	20.0	0.0	23.6	9.5
31	0.86	17.8	0.9	23.7	2.04	1.02	0.0	20.0	0.0	22.0	8.9
32	0.86	18.1	0.9	21.95	1.89	0.94	0.0	20.0	0.0	20.4	8.2
33	0.47	18.3	0.5	11.3	0.97	0.49	0.0	20.0	0.0	10.5	4.2
34	1.25	18.6	1.3	28.58	2.46	1.23	0.0	20.0	0.0	26.6	10.7
35	0.86	18.9	0.9	19.05	1.64	0.82	0.0	20.0	0.0	17.7	7.1
36	0.86	19.2	0.9	18.42	1.58	0.79	0.0	20.0	0.0	17.1	6.9
37	0.86	19.5	0.9	17.71	1.52	0.76	0.0	20.0	0.0	16.5	6.6
38	0.86	19.8	0.9	16.92	1.46	0.73	0.0	20.0	0.0	15.7	6.3
39	0.86	20.1	0.9	16.05	1.38	0.69	0.0	20.0	0.0	14.9	6.0
40	0.86	20.3	0.9	15.1	1.3	0.65	0.0	20.0	0.0	14.0	5.6
41	0.86	20.6	0.9	14.06	1.21	0.6	0.0	20.0	0.0	13.1	5.2
42	0.86	20.9	0.9	12.94	1.11	0.56	0.0	20.0	0.0	12.0	4.8
43	0.86	21.2	0.9	11.74	1.01	0.5	0.0	20.0	0.0	10.9	4.4
44	0.86	21.5	0.9	10.45	0.9	0.45	0.0	20.0	0.0	9.7	3.9
45	0.86	21.8	0.9	9.08	0.78	0.39	0.0	20.0	0.0	8.4	3.4
46	0.86	22.1	0.9	7.62	0.66	0.33	0.0	20.0	0.0	7.1	2.8
47	0.86	22.4	0.9	6.08	0.52	0.26	0.0	20.0	0.0	5.6	2.3
48	0.86	22.6	0.9	4.45	0.38	0.19	0.0	20.0	0.0	4.1	1.7
49	0.86	22.9	0.9	2.74	0.24	0.12	0.0	20.0	0.0	2.5	1.0
50	0.86	23.2	0.9	0.93	0.08	0.04	0.0	20.0	0.0	0.9	0.3

$$x_c = 191.078 \quad y_c = 261.875 \quad R_c = 187.668 \quad F_s = 0.928$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.84	1.5	1.8	7.51	0.65	0.32	0.0	20.0	0.0	7.4	2.9
2	1.84	2.1	1.8	22.05	1.9	0.95	0.0	20.0	0.0	21.8	8.5
3	1.84	2.6	1.8	35.93	3.09	1.54	0.0	20.0	0.0	35.3	13.9
4	1.84	3.2	1.8	49.16	4.23	2.11	0.0	20.0	0.0	48.2	18.9
5	1.84	3.8	1.8	61.74	5.31	2.65	0.0	20.0	0.0	60.3	23.7
6	1.84	4.3	1.8	73.66	6.33	3.17	0.0	20.0	0.0	71.7	28.1
7	1.84	4.9	1.8	84.93	7.3	3.65	0.0	20.0	0.0	82.5	32.4
8	1.5	5.4	1.5	76.91	6.61	3.31	0.0	20.0	0.0	74.5	29.2
9	2.18	6.0	2.2	131.44	11.3	5.65	0.0	20.0	0.0	127.0	49.8
10	1.84	6.6	1.9	132.31	11.38	5.69	0.0	20.0	0.0	127.4	50.0
11	1.84	7.1	1.9	151.34	13.02	6.51	0.0	20.0	0.0	145.4	57.0
12	1.84	7.7	1.9	169.69	14.59	7.3	0.0	20.0	0.0	162.6	63.8
13	2.13	8.3	2.1	218.1	18.76	9.38	0.0	20.0	0.0	208.5	81.8
14	1.55	8.9	1.6	168.88	14.52	7.26	0.0	20.0	0.0	161.1	63.2
15	1.84	9.4	1.9	202.61	17.42	8.71	0.0	20.0	0.0	192.8	75.6



16	1.84	10.0	1.9	204.77	17.61	8.81	0.0	20.0	0.0	194.5	76.3
17	1.84	10.5	1.9	206.27	17.74	8.87	0.0	20.0	0.0	195.5	76.7
18	2.76	11.3	2.8	310.32	26.69	13.34	0.0	20.0	0.0	293.5	115.1
19	0.92	11.8	0.9	104.81	9.01	4.51	0.0	20.0	0.0	99.0	38.8
20	1.84	12.3	1.9	213.17	18.33	9.17	0.0	20.0	0.0	201.0	78.9
21	1.84	12.8	1.9	218.45	18.79	9.39	0.0	20.0	0.0	205.7	80.7
22	1.84	13.4	1.9	223.02	19.18	9.59	0.0	20.0	0.0	209.7	82.2
23	1.84	14.0	1.9	226.88	19.51	9.76	0.0	20.0	0.0	213.0	83.6
24	1.84	14.6	1.9	230.04	19.78	9.89	0.0	20.0	0.0	215.7	84.6
25	1.84	15.2	1.9	232.47	19.99	10.0	0.0	20.0	0.0	217.7	85.4
26	1.84	15.7	1.9	234.19	20.14	10.07	0.0	20.0	0.0	219.1	85.9
27	1.84	16.3	1.9	235.17	20.22	10.11	0.0	20.0	0.0	219.8	86.2
28	1.84	16.9	1.9	235.42	20.25	10.12	0.0	20.0	0.0	219.8	86.2
29	1.84	17.5	1.9	234.92	20.2	10.1	0.0	20.0	0.0	219.2	86.0
30	1.84	18.1	1.9	233.68	20.1	10.05	0.0	20.0	0.0	217.9	85.5
31	1.84	18.7	1.9	231.68	19.92	9.96	0.0	20.0	0.0	215.9	84.7
32	1.84	19.3	1.9	228.92	19.69	9.84	0.0	20.0	0.0	213.3	83.7
33	1.84	19.9	2.0	225.38	19.38	9.69	0.0	20.0	0.0	209.9	82.3
34	1.84	20.5	2.0	221.06	19.01	9.51	0.0	20.0	0.0	205.8	80.7
35	1.84	21.1	2.0	215.95	18.57	9.29	0.0	20.0	0.0	201.0	78.9
36	1.84	21.7	2.0	210.04	18.06	9.03	0.0	20.0	0.0	195.5	76.7
37	1.84	22.3	2.0	203.32	17.49	8.74	0.0	20.0	0.0	189.3	74.3
38	1.84	22.9	2.0	195.78	16.84	8.42	0.0	20.0	0.0	182.3	71.5
39	1.84	23.5	2.0	187.41	16.12	8.06	0.0	20.0	0.0	174.6	68.5
40	1.84	24.1	2.0	178.19	15.32	7.66	0.0	20.0	0.0	166.1	65.1
41	1.84	24.7	2.0	168.13	14.46	7.23	0.0	20.0	0.0	156.8	61.5
42	1.84	25.3	2.0	157.19	13.52	6.76	0.0	20.0	0.0	146.7	57.5
43	1.84	26.0	2.0	145.37	12.5	6.25	0.0	20.0	0.0	135.8	53.3
44	1.26	26.5	1.4	92.04	7.92	3.96	0.0	20.0	0.0	86.0	33.7
45	2.42	27.1	2.7	155.95	13.41	6.71	0.0	20.0	0.0	145.9	57.2
46	1.84	27.9	2.1	96.68	8.31	4.16	0.0	20.0	0.0	90.6	35.5
47	1.84	28.5	2.1	76.9	6.61	3.31	0.0	20.0	0.0	72.1	28.3
48	1.84	29.1	2.1	56.16	4.83	2.41	0.0	20.0	0.0	52.8	20.7
49	1.84	29.8	2.1	34.44	2.96	1.48	0.0	20.0	0.0	32.4	12.7
50	1.84	30.4	2.1	11.73	1.01	0.5	0.0	20.0	0.0	11.1	4.3

$x_c = 210.849$   $y_c = 256.851$   $R_c = 174.733$   $F_s = 0.926$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.34	4.1	1.3	2.38	0.2	0.1	0.0	20.0	0.0	2.3	0.9
2	1.34	4.5	1.3	6.93	0.6	0.3	0.0	20.0	0.0	6.7	2.7
3	1.34	4.9	1.3	11.21	0.96	0.48	0.0	20.0	0.0	10.9	4.3
4	1.34	5.4	1.3	15.22	1.31	0.65	0.0	20.0	0.0	14.7	5.8
5	1.19	5.8	1.2	16.59	1.43	0.71	0.0	20.0	0.0	16.0	6.3
6	1.5	6.2	1.5	26.92	2.32	1.16	0.0	20.0	0.0	26.0	10.2
7	1.34	6.7	1.4	31.21	2.68	1.34	0.0	20.0	0.0	30.0	11.8
8	1.34	7.2	1.4	37.59	3.23	1.62	0.0	20.0	0.0	36.1	14.2
9	1.34	7.6	1.4	43.7	3.76	1.88	0.0	20.0	0.0	41.9	16.5
10	1.34	8.0	1.4	49.53	4.26	2.13	0.0	20.0	0.0	47.4	18.6
11	1.34	8.5	1.4	55.08	4.74	2.37	0.0	20.0	0.0	52.6	20.7
12	1.34	8.9	1.4	60.35	5.19	2.6	0.0	20.0	0.0	57.5	22.6
13	1.34	9.4	1.4	65.34	5.62	2.81	0.0	20.0	0.0	62.2	24.5
14	1.34	9.8	1.4	70.04	6.02	3.01	0.0	20.0	0.0	66.6	26.2

15	1.34	10.3	1.4	74.46	6.4	3.2	0.0	20.0	0.0	70.6	27.8
16	1.34	10.7	1.4	78.59	6.76	3.38	0.0	20.0	0.0	74.4	29.3
17	1.34	11.2	1.4	82.44	7.09	3.54	0.0	20.0	0.0	78.0	30.7
18	1.34	11.6	1.4	86.0	7.4	3.7	0.0	20.0	0.0	81.2	31.9
19	1.34	12.1	1.4	89.27	7.68	3.84	0.0	20.0	0.0	84.2	33.1
20	1.34	12.5	1.4	92.24	7.93	3.97	0.0	20.0	0.0	86.9	34.2
21	1.34	13.0	1.4	94.93	8.16	4.08	0.0	20.0	0.0	89.3	35.1
22	1.34	13.4	1.4	97.32	8.37	4.18	0.0	20.0	0.0	91.5	36.0
23	1.34	13.9	1.4	99.42	8.55	4.28	0.0	20.0	0.0	93.3	36.7
24	1.34	14.3	1.4	101.22	8.7	4.35	0.0	20.0	0.0	94.9	37.3
25	1.34	14.8	1.4	102.72	8.83	4.42	0.0	20.0	0.0	96.2	37.8
26	1.34	15.2	1.4	103.92	8.94	4.47	0.0	20.0	0.0	97.3	38.3
27	1.34	15.7	1.4	104.81	9.01	4.51	0.0	20.0	0.0	98.0	38.6
28	1.34	16.2	1.4	105.4	9.06	4.53	0.0	20.0	0.0	98.5	38.7
29	1.34	16.6	1.4	105.69	9.09	4.54	0.0	20.0	0.0	98.7	38.8
30	1.34	17.1	1.4	105.66	9.09	4.54	0.0	20.0	0.0	98.6	38.8
31	1.34	17.5	1.4	105.32	9.06	4.53	0.0	20.0	0.0	98.2	38.6
32	1.34	18.0	1.4	104.67	9.0	4.5	0.0	20.0	0.0	97.6	38.4
33	1.34	18.5	1.4	103.71	8.92	4.46	0.0	20.0	0.0	96.6	38.0
34	1.34	18.9	1.4	102.42	8.81	4.4	0.0	20.0	0.0	95.4	37.5
35	1.34	19.4	1.4	100.81	8.67	4.33	0.0	20.0	0.0	93.9	36.9
36	1.34	19.9	1.4	98.88	8.5	4.25	0.0	20.0	0.0	92.1	36.2
37	1.34	20.3	1.4	96.63	8.31	4.15	0.0	20.0	0.0	89.9	35.4
38	1.34	20.8	1.4	94.04	8.09	4.04	0.0	20.0	0.0	87.5	34.4
39	1.84	21.4	2.0	123.97	10.66	5.33	0.0	20.0	0.0	115.4	45.4
40	0.85	21.8	0.9	54.56	4.69	2.35	0.0	20.0	0.0	50.8	20.0
41	1.34	22.2	1.5	81.67	7.02	3.51	0.0	20.0	0.0	76.0	29.9
42	1.34	22.7	1.5	75.44	6.49	3.24	0.0	20.0	0.0	70.2	27.6
43	1.34	23.2	1.5	68.86	5.92	2.96	0.0	20.0	0.0	64.1	25.2
44	1.34	23.7	1.5	61.94	5.33	2.66	0.0	20.0	0.0	57.7	22.7
45	1.34	24.1	1.5	54.65	4.7	2.35	0.0	20.0	0.0	50.9	20.0
46	1.34	24.6	1.5	47.02	4.04	2.02	0.0	20.0	0.0	43.8	17.2
47	1.34	25.1	1.5	39.01	3.36	1.68	0.0	20.0	0.0	36.4	14.3
48	1.34	25.6	1.5	30.65	2.64	1.32	0.0	20.0	0.0	28.6	11.2
49	1.04	26.0	1.2	17.73	1.53	0.76	0.0	20.0	0.0	16.6	6.5
50	1.65	26.5	1.8	12.01	1.03	0.52	0.0	20.0	0.0	11.2	4.4

$x_c = 230.621$   $y_c = 261.875$   $R_c = 171.469$   $F_s = 0.973$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.63	9.4	0.6	0.54	0.05	0.02	0.0	20.0	0.0	0.5	0.2
2	0.63	9.6	0.6	1.6	0.14	0.07	0.0	20.0	0.0	1.5	0.6
3	0.63	9.8	0.6	2.63	0.23	0.11	0.0	20.0	0.0	2.5	0.9
4	0.63	10.0	0.6	3.63	0.31	0.16	0.0	20.0	0.0	3.5	1.3
5	0.63	10.2	0.6	4.6	0.4	0.2	0.0	20.0	0.0	4.4	1.6
6	0.63	10.4	0.6	5.53	0.48	0.24	0.0	20.0	0.0	5.3	2.0
7	0.63	10.6	0.6	6.44	0.55	0.28	0.0	20.0	0.0	6.1	2.3
8	0.63	10.9	0.6	7.32	0.63	0.31	0.0	20.0	0.0	7.0	2.6
9	0.63	11.1	0.6	8.17	0.7	0.35	0.0	20.0	0.0	7.8	2.9
10	0.63	11.3	0.6	8.98	0.77	0.39	0.0	20.0	0.0	8.5	3.2
11	0.63	11.5	0.6	9.77	0.84	0.42	0.0	20.0	0.0	9.3	3.5
12	0.63	11.7	0.6	10.52	0.91	0.45	0.0	20.0	0.0	10.0	3.7
13	0.63	11.9	0.6	11.25	0.97	0.48	0.0	20.0	0.0	10.7	4.0

14	0.63	12.2	0.6	11.94	1.03	0.51	0.0	20.0	0.0	11.3	4.2
15	0.63	12.4	0.6	12.61	1.08	0.54	0.0	20.0	0.0	11.9	4.5
16	0.63	12.6	0.6	13.24	1.14	0.57	0.0	20.0	0.0	12.5	4.7
17	0.63	12.8	0.6	13.84	1.19	0.6	0.0	20.0	0.0	13.1	4.9
18	0.63	13.0	0.6	14.41	1.24	0.62	0.0	20.0	0.0	13.6	5.1
19	0.63	13.2	0.6	14.95	1.29	0.64	0.0	20.0	0.0	14.1	5.3
20	0.63	13.5	0.6	15.46	1.33	0.66	0.0	20.0	0.0	14.6	5.5
21	0.63	13.7	0.7	15.94	1.37	0.69	0.0	20.0	0.0	15.0	5.6
22	0.63	13.9	0.7	16.38	1.41	0.7	0.0	20.0	0.0	15.4	5.8
23	0.63	14.1	0.7	16.79	1.44	0.72	0.0	20.0	0.0	15.8	5.9
24	0.63	14.3	0.7	17.18	1.48	0.74	0.0	20.0	0.0	16.2	6.1
25	0.63	14.5	0.7	17.53	1.51	0.75	0.0	20.0	0.0	16.5	6.2
26	0.63	14.8	0.7	17.85	1.53	0.77	0.0	20.0	0.0	16.8	6.3
27	0.81	15.0	0.8	23.45	2.02	1.01	0.0	20.0	0.0	22.1	8.3
28	0.45	15.2	0.5	12.95	1.11	0.56	0.0	20.0	0.0	12.2	4.6
29	0.63	15.4	0.7	18.0	1.55	0.77	0.0	20.0	0.0	16.9	6.3
30	0.63	15.6	0.7	17.68	1.52	0.76	0.0	20.0	0.0	16.6	6.2
31	0.63	15.9	0.7	17.34	1.49	0.75	0.0	20.0	0.0	16.3	6.1
32	0.63	16.1	0.7	16.96	1.46	0.73	0.0	20.0	0.0	15.9	6.0
33	0.63	16.3	0.7	16.54	1.42	0.71	0.0	20.0	0.0	15.5	5.8
34	0.63	16.5	0.7	16.1	1.38	0.69	0.0	20.0	0.0	15.1	5.7
35	0.63	16.7	0.7	15.62	1.34	0.67	0.0	20.0	0.0	14.7	5.5
36	0.63	17.0	0.7	15.11	1.3	0.65	0.0	20.0	0.0	14.2	5.3
37	0.63	17.2	0.7	14.57	1.25	0.63	0.0	20.0	0.0	13.7	5.1
38	0.63	17.4	0.7	13.99	1.2	0.6	0.0	20.0	0.0	13.1	4.9
39	0.63	17.6	0.7	13.38	1.15	0.58	0.0	20.0	0.0	12.5	4.7
40	0.63	17.8	0.7	12.74	1.1	0.55	0.0	20.0	0.0	11.9	4.5
41	0.63	18.1	0.7	12.06	1.04	0.52	0.0	20.0	0.0	11.3	4.2
42	0.63	18.3	0.7	11.35	0.98	0.49	0.0	20.0	0.0	10.6	4.0
43	0.63	18.5	0.7	10.61	0.91	0.46	0.0	20.0	0.0	9.9	3.7
44	0.63	18.7	0.7	9.83	0.85	0.42	0.0	20.0	0.0	9.2	3.4
45	0.63	18.9	0.7	9.02	0.78	0.39	0.0	20.0	0.0	8.5	3.2
46	0.63	19.2	0.7	8.17	0.7	0.35	0.0	20.0	0.0	7.7	2.9
47	0.82	19.4	0.9	9.28	0.8	0.4	0.0	20.0	0.0	8.7	3.2
48	0.45	19.7	0.5	4.04	0.35	0.17	0.0	20.0	0.0	3.8	1.4
49	0.63	19.8	0.7	3.68	0.32	0.16	0.0	20.0	0.0	3.4	1.3
50	0.63	20.1	0.7	1.23	0.11	0.05	0.0	20.0	0.0	1.2	0.4

$x_c = 131.762$   $y_c = 266.898$   $R_c = 208.007$   $F_s = 1.037$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	2.07	-0.5	2.1	9.18	0.79	0.39	0.0	20.0	0.0	9.2	3.2
2	2.07	0.1	2.1	26.9	2.31	1.16	0.0	20.0	0.0	26.9	9.4
3	2.07	0.6	2.1	43.8	3.77	1.88	0.0	20.0	0.0	43.6	15.3
4	2.07	1.2	2.1	59.86	5.15	2.57	0.0	20.0	0.0	59.4	20.9
5	2.07	1.8	2.1	75.08	6.46	3.23	0.0	20.0	0.0	74.3	26.1
6	2.07	2.4	2.1	89.47	7.69	3.85	0.0	20.0	0.0	88.3	31.0
7	2.07	2.9	2.1	103.03	8.86	4.43	0.0	20.0	0.0	101.3	35.6
8	2.07	3.5	2.1	115.74	9.95	4.98	0.0	20.0	0.0	113.5	39.8
9	2.07	4.1	2.1	127.62	10.98	5.49	0.0	20.0	0.0	124.8	43.8
10	2.07	4.6	2.1	138.66	11.92	5.96	0.0	20.0	0.0	135.3	47.5
11	2.07	5.2	2.1	148.86	12.8	6.4	0.0	20.0	0.0	144.8	50.8
12	2.07	5.8	2.1	158.21	13.61	6.8	0.0	20.0	0.0	153.6	53.9

13	2.07	6.4	2.1	166.72	14.34	7.17	0.0	20.0	0.0	161.4	56.7
14	1.69	6.9	1.7	141.79	12.19	6.1	0.0	20.0	0.0	137.0	48.1
15	2.45	7.4	2.5	216.27	18.6	9.3	0.0	20.0	0.0	208.5	73.2
16	2.07	8.1	2.1	193.13	16.61	8.3	0.0	20.0	0.0	185.8	65.2
17	2.07	8.7	2.1	201.78	17.35	8.68	0.0	20.0	0.0	193.8	68.0
18	2.07	9.2	2.1	209.58	18.02	9.01	0.0	20.0	0.0	200.9	70.5
19	2.07	9.8	2.1	216.5	18.62	9.31	0.0	20.0	0.0	207.1	72.7
20	2.07	10.4	2.1	222.55	19.14	9.57	0.0	20.0	0.0	212.6	74.6
21	2.07	11.0	2.1	227.73	19.59	9.79	0.0	20.0	0.0	217.2	76.2
22	2.07	11.5	2.1	232.03	19.95	9.98	0.0	20.0	0.0	221.0	77.6
23	2.07	12.1	2.1	235.44	20.25	10.12	0.0	20.0	0.0	223.9	78.6
24	2.07	12.7	2.1	237.96	20.46	10.23	0.0	20.0	0.0	226.0	79.3
25	2.07	13.3	2.1	239.58	20.6	10.3	0.0	20.0	0.0	227.3	79.8
26	2.07	13.9	2.1	240.29	20.67	10.33	0.0	20.0	0.0	227.8	79.9
27	2.07	14.5	2.1	240.1	20.65	10.32	0.0	20.0	0.0	227.4	79.8
28	2.07	15.1	2.1	238.98	20.55	10.28	0.0	20.0	0.0	226.1	79.4
29	2.07	15.7	2.1	236.94	20.38	10.19	0.0	20.0	0.0	224.0	78.6
30	2.07	16.2	2.2	233.97	20.12	10.06	0.0	20.0	0.0	221.1	77.6
31	2.07	16.8	2.2	230.05	19.78	9.89	0.0	20.0	0.0	217.3	76.3
32	2.07	17.4	2.2	225.18	19.37	9.68	0.0	20.0	0.0	212.6	74.6
33	2.07	18.0	2.2	219.36	18.86	9.43	0.0	20.0	0.0	207.0	72.7
34	2.07	18.6	2.2	212.56	18.28	9.14	0.0	20.0	0.0	200.6	70.4
35	2.07	19.2	2.2	204.79	17.61	8.81	0.0	20.0	0.0	193.2	67.8
36	2.07	19.8	2.2	196.02	16.86	8.43	0.0	20.0	0.0	185.0	64.9
37	2.07	20.4	2.2	186.25	16.02	8.01	0.0	20.0	0.0	175.8	61.7
38	2.07	21.1	2.2	175.47	15.09	7.55	0.0	20.0	0.0	165.6	58.1
39	1.93	21.6	2.1	152.8	13.14	6.57	0.0	20.0	0.0	144.3	50.6
40	2.21	22.3	2.4	169.18	14.55	7.27	0.0	20.0	0.0	159.8	56.1
41	2.07	22.9	2.2	157.53	13.55	6.77	0.0	20.0	0.0	148.9	52.3
42	2.07	23.5	2.3	155.71	13.39	6.7	0.0	20.0	0.0	147.3	51.7
43	2.07	24.1	2.3	152.81	13.14	6.57	0.0	20.0	0.0	144.7	50.8
44	1.41	24.7	1.6	102.08	8.78	4.39	0.0	20.0	0.0	96.7	34.0
45	2.72	25.3	3.0	175.64	15.11	7.55	0.0	20.0	0.0	166.6	58.5
46	2.07	26.0	2.3	106.44	9.15	4.58	0.0	20.0	0.0	101.1	35.5
47	2.07	26.7	2.3	81.98	7.05	3.53	0.0	20.0	0.0	78.0	27.4
48	2.97	27.4	3.3	72.62	6.25	3.12	0.0	20.0	0.0	69.2	24.3
49	1.17	28.1	1.3	14.65	1.26	0.63	0.0	20.0	0.0	14.0	4.9
50	2.07	28.6	2.4	10.34	0.89	0.44	0.0	20.0	0.0	9.9	3.5

$$x_c = 151.534 \quad y_c = 271.921 \quad R_c = 205.973 \quad F_s = 0.964$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.66	3.5	1.7	5.17	0.45	0.22	0.0	20.0	0.0	5.1	1.9
2	1.66	4.0	1.7	15.2	1.31	0.65	0.0	20.0	0.0	14.8	5.6
3	1.66	4.4	1.7	24.78	2.13	1.07	0.0	20.0	0.0	24.1	9.1
4	1.66	4.9	1.7	33.92	2.92	1.46	0.0	20.0	0.0	33.0	12.5
5	1.66	5.3	1.7	42.62	3.67	1.83	0.0	20.0	0.0	41.3	15.6
6	1.66	5.8	1.7	50.88	4.38	2.19	0.0	20.0	0.0	49.2	18.6
7	1.66	6.3	1.7	58.69	5.05	2.52	0.0	20.0	0.0	56.7	21.4
8	1.66	6.7	1.7	66.06	5.68	2.84	0.0	20.0	0.0	63.7	24.1
9	1.66	7.2	1.7	72.99	6.28	3.14	0.0	20.0	0.0	70.2	26.5
10	1.66	7.7	1.7	79.47	6.83	3.42	0.0	20.0	0.0	76.3	28.8
11	1.66	8.1	1.7	85.5	7.35	3.68	0.0	20.0	0.0	81.9	31.0

12	1.66	8.6	1.7	91.08	7.83	3.92	0.0	20.0	0.0	87.1	32.9
13	1.66	9.1	1.7	96.21	8.27	4.14	0.0	20.0	0.0	91.9	34.7
14	1.66	9.5	1.7	100.88	8.68	4.34	0.0	20.0	0.0	96.2	36.3
15	1.66	10.0	1.7	105.1	9.04	4.52	0.0	20.0	0.0	100.1	37.8
16	1.66	10.5	1.7	108.87	9.36	4.68	0.0	20.0	0.0	103.5	39.1
17	1.66	10.9	1.7	112.17	9.65	4.82	0.0	20.0	0.0	106.5	40.2
18	1.66	11.4	1.7	115.02	9.89	4.95	0.0	20.0	0.0	109.0	41.2
19	1.66	11.9	1.7	117.4	10.1	5.05	0.0	20.0	0.0	111.1	42.0
20	1.66	12.4	1.7	119.32	10.26	5.13	0.0	20.0	0.0	112.8	42.6
21	1.66	12.8	1.7	120.76	10.39	5.19	0.0	20.0	0.0	114.0	43.1
22	1.66	13.3	1.7	121.74	10.47	5.23	0.0	20.0	0.0	114.8	43.4
23	1.66	13.8	1.7	122.24	10.51	5.26	0.0	20.0	0.0	115.2	43.5
24	1.66	14.3	1.7	122.27	10.52	5.26	0.0	20.0	0.0	115.1	43.5
25	1.66	14.7	1.7	121.82	10.48	5.24	0.0	20.0	0.0	114.6	43.3
26	1.66	15.2	1.7	120.89	10.4	5.2	0.0	20.0	0.0	113.6	42.9
27	1.66	15.7	1.7	119.47	10.27	5.14	0.0	20.0	0.0	112.2	42.4
28	1.36	16.1	1.4	96.47	8.3	4.15	0.0	20.0	0.0	90.5	34.2
29	1.96	16.6	2.0	142.16	12.23	6.11	0.0	20.0	0.0	133.3	50.4
30	1.66	17.1	1.7	126.51	10.88	5.44	0.0	20.0	0.0	118.6	44.8
31	1.66	17.6	1.7	131.59	11.32	5.66	0.0	20.0	0.0	123.3	46.6
32	1.66	18.1	1.7	136.17	11.71	5.86	0.0	20.0	0.0	127.5	48.2
33	1.66	18.6	1.8	140.24	12.06	6.03	0.0	20.0	0.0	131.3	49.6
34	1.22	19.0	1.3	105.35	9.06	4.53	0.0	20.0	0.0	98.6	37.2
35	2.1	19.5	2.2	176.48	15.18	7.59	0.0	20.0	0.0	165.1	62.4
36	1.66	20.1	1.8	129.93	11.17	5.59	0.0	20.0	0.0	121.6	45.9
37	1.66	20.6	1.8	120.91	10.4	5.2	0.0	20.0	0.0	113.1	42.7
38	1.66	21.1	1.8	111.36	9.58	4.79	0.0	20.0	0.0	104.2	39.4
39	1.66	21.6	1.8	101.28	8.71	4.35	0.0	20.0	0.0	94.8	35.8
40	1.08	22.0	1.2	60.2	5.18	2.59	0.0	20.0	0.0	56.3	21.3
41	2.24	22.5	2.4	114.8	9.87	4.94	0.0	20.0	0.0	107.4	40.6
42	1.66	23.0	1.8	77.62	6.68	3.34	0.0	20.0	0.0	72.7	27.5
43	1.66	23.6	1.8	70.67	6.08	3.04	0.0	20.0	0.0	66.2	25.0
44	1.66	24.1	1.8	63.15	5.43	2.72	0.0	20.0	0.0	59.2	22.4
45	1.66	24.6	1.8	55.06	4.74	2.37	0.0	20.0	0.0	51.6	19.5
46	1.66	25.1	1.8	46.39	3.99	1.99	0.0	20.0	0.0	43.5	16.4
47	1.66	25.6	1.8	37.13	3.19	1.6	0.0	20.0	0.0	34.9	13.2
48	1.66	26.1	1.8	27.28	2.35	1.17	0.0	20.0	0.0	25.6	9.7
49	1.66	26.6	1.9	16.83	1.45	0.72	0.0	20.0	0.0	15.8	6.0
50	1.66	27.1	1.9	5.76	0.5	0.25	0.0	20.0	0.0	5.4	2.0

$x_c = 171.306$   $y_c = 266.898$   $R_c = 193.558$   $F_s = 0.909$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.01	8.7	1.0	1.0	0.09	0.04	0.0	20.0	0.0	1.0	0.4
2	1.01	9.0	1.0	2.92	0.25	0.13	0.0	20.0	0.0	2.8	1.1
3	1.01	9.3	1.0	4.73	0.41	0.2	0.0	20.0	0.0	4.5	1.8
4	1.01	9.6	1.0	6.43	0.55	0.28	0.0	20.0	0.0	6.1	2.4
5	1.01	9.9	1.0	8.01	0.69	0.34	0.0	20.0	0.0	7.6	3.0
6	1.01	10.2	1.0	9.49	0.82	0.41	0.0	20.0	0.0	9.0	3.6
7	1.01	10.5	1.0	10.86	0.93	0.47	0.0	20.0	0.0	10.3	4.1
8	1.01	10.8	1.0	12.11	1.04	0.52	0.0	20.0	0.0	11.5	4.6
9	1.36	11.2	1.4	18.03	1.55	0.78	0.0	20.0	0.0	17.0	6.8
10	0.67	11.5	0.7	10.2	0.88	0.44	0.0	20.0	0.0	9.6	3.9

11	1.01	11.7	1.0	18.87	1.62	0.81	0.0	20.0	0.0	17.8	7.1
12	1.01	12.0	1.0	22.84	1.96	0.98	0.0	20.0	0.0	21.5	8.6
13	1.01	12.3	1.0	26.7	2.3	1.15	0.0	20.0	0.0	25.1	10.1
14	1.01	12.6	1.0	30.44	2.62	1.31	0.0	20.0	0.0	28.6	11.5
15	1.01	12.9	1.0	34.07	2.93	1.46	0.0	20.0	0.0	32.0	12.8
16	1.01	13.3	1.0	37.58	3.23	1.62	0.0	20.0	0.0	35.3	14.1
17	1.01	13.6	1.0	40.98	3.52	1.76	0.0	20.0	0.0	38.4	15.4
18	1.01	13.9	1.0	44.27	3.81	1.9	0.0	20.0	0.0	41.5	16.6
19	1.04	14.2	1.1	48.84	4.2	2.1	0.0	20.0	0.0	45.7	18.3
20	0.99	14.5	1.0	47.15	4.06	2.03	0.0	20.0	0.0	44.1	17.7
21	1.01	14.8	1.0	47.39	4.08	2.04	0.0	20.0	0.0	44.3	17.8
22	1.01	15.1	1.1	46.1	3.96	1.98	0.0	20.0	0.0	43.1	17.3
23	1.01	15.4	1.1	44.7	3.84	1.92	0.0	20.0	0.0	41.8	16.7
24	1.01	15.7	1.1	43.18	3.71	1.86	0.0	20.0	0.0	40.3	16.1
25	1.01	16.1	1.1	41.54	3.57	1.79	0.0	20.0	0.0	38.8	15.5
26	1.01	16.4	1.1	39.78	3.42	1.71	0.0	20.0	0.0	37.1	14.9
27	1.01	16.7	1.1	37.9	3.26	1.63	0.0	20.0	0.0	35.3	14.1
28	1.01	17.0	1.1	35.9	3.09	1.54	0.0	20.0	0.0	33.4	13.4
29	0.73	17.3	0.8	24.39	2.1	1.05	0.0	20.0	0.0	22.7	9.1
30	1.3	17.6	1.4	42.58	3.66	1.83	0.0	20.0	0.0	39.6	15.9
31	1.01	17.9	1.1	32.73	2.81	1.41	0.0	20.0	0.0	30.5	12.2
32	1.01	18.3	1.1	32.24	2.77	1.39	0.0	20.0	0.0	30.0	12.0
33	1.01	18.6	1.1	31.62	2.72	1.36	0.0	20.0	0.0	29.4	11.8
34	1.01	18.9	1.1	30.87	2.66	1.33	0.0	20.0	0.0	28.7	11.5
35	1.01	19.2	1.1	30.01	2.58	1.29	0.0	20.0	0.0	27.9	11.2
36	1.01	19.5	1.1	29.01	2.5	1.25	0.0	20.0	0.0	27.0	10.8
37	1.01	19.8	1.1	27.89	2.4	1.2	0.0	20.0	0.0	25.9	10.4
38	1.01	20.2	1.1	26.65	2.29	1.15	0.0	20.0	0.0	24.7	9.9
39	1.01	20.5	1.1	25.27	2.17	1.09	0.0	20.0	0.0	23.5	9.4
40	1.01	20.8	1.1	23.77	2.04	1.02	0.0	20.0	0.0	22.1	8.8
41	1.01	21.1	1.1	22.13	1.9	0.95	0.0	20.0	0.0	20.5	8.2
42	1.01	21.4	1.1	20.37	1.75	0.88	0.0	20.0	0.0	18.9	7.6
43	1.01	21.8	1.1	18.48	1.59	0.79	0.0	20.0	0.0	17.2	6.9
44	1.01	22.1	1.1	16.45	1.41	0.71	0.0	20.0	0.0	15.3	6.1
45	1.01	22.4	1.1	14.29	1.23	0.61	0.0	20.0	0.0	13.3	5.3
46	1.01	22.7	1.1	12.0	1.03	0.52	0.0	20.0	0.0	11.1	4.5
47	1.01	23.1	1.1	9.57	0.82	0.41	0.0	20.0	0.0	8.9	3.6
48	1.01	23.4	1.1	7.01	0.6	0.3	0.0	20.0	0.0	6.5	2.6
49	1.01	23.7	1.1	4.31	0.37	0.19	0.0	20.0	0.0	4.0	1.6
50	1.01	24.1	1.1	1.47	0.13	0.06	0.0	20.0	0.0	1.4	0.5

$$x_c = 210.849 \quad y_c = 266.898 \quad R_c = 184.755 \quad F_s = 0.94$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.39	3.8	1.4	2.63	0.23	0.11	0.0	20.0	0.0	2.6	1.0
2	1.39	4.3	1.4	7.68	0.66	0.33	0.0	20.0	0.0	7.5	2.9
3	1.39	4.7	1.4	12.44	1.07	0.53	0.0	20.0	0.0	12.1	4.7
4	1.39	5.2	1.4	16.9	1.45	0.73	0.0	20.0	0.0	16.4	6.3
5	0.97	5.5	1.0	14.19	1.22	0.61	0.0	20.0	0.0	13.7	5.3
6	1.82	6.0	1.8	35.06	3.02	1.51	0.0	20.0	0.0	33.9	13.1
7	1.39	6.5	1.4	35.35	3.04	1.52	0.0	20.0	0.0	34.1	13.2
8	1.39	6.9	1.4	42.41	3.65	1.82	0.0	20.0	0.0	40.8	15.8
9	1.39	7.3	1.4	49.17	4.23	2.11	0.0	20.0	0.0	47.2	18.3

10	1.39	7.8	1.4	55.64	4.79	2.39	0.0	20.0	0.0	53.3	20.7
11	1.39	8.2	1.4	61.82	5.32	2.66	0.0	20.0	0.0	59.2	22.9
12	1.39	8.6	1.4	67.7	5.82	2.91	0.0	20.0	0.0	64.7	25.0
13	1.39	9.1	1.4	73.28	6.3	3.15	0.0	20.0	0.0	69.9	27.1
14	1.39	9.5	1.4	78.56	6.76	3.38	0.0	20.0	0.0	74.8	29.0
15	1.39	10.0	1.4	83.54	7.18	3.59	0.0	20.0	0.0	79.4	30.7
16	1.39	10.4	1.4	88.22	7.59	3.79	0.0	20.0	0.0	83.7	32.4
17	1.39	10.8	1.4	92.59	7.96	3.98	0.0	20.0	0.0	87.8	34.0
18	1.39	11.3	1.4	96.67	8.31	4.16	0.0	20.0	0.0	91.5	35.4
19	1.39	11.7	1.4	100.44	8.64	4.32	0.0	20.0	0.0	95.0	36.8
20	1.39	12.2	1.4	103.9	8.94	4.47	0.0	20.0	0.0	98.1	38.0
21	1.39	12.6	1.4	107.05	9.21	4.6	0.0	20.0	0.0	101.0	39.1
22	1.39	13.0	1.4	109.9	9.45	4.73	0.0	20.0	0.0	103.5	40.1
23	1.39	13.5	1.4	112.43	9.67	4.83	0.0	20.0	0.0	105.8	41.0
24	1.39	13.9	1.4	114.65	9.86	4.93	0.0	20.0	0.0	107.8	41.7
25	1.39	14.4	1.4	116.56	10.02	5.01	0.0	20.0	0.0	109.5	42.4
26	1.39	14.8	1.4	118.15	10.16	5.08	0.0	20.0	0.0	110.9	42.9
27	1.39	15.3	1.4	119.41	10.27	5.13	0.0	20.0	0.0	112.0	43.3
28	1.39	15.7	1.4	120.37	10.35	5.18	0.0	20.0	0.0	112.8	43.7
29	1.39	16.2	1.5	120.99	10.41	5.2	0.0	20.0	0.0	113.3	43.8
30	1.39	16.6	1.5	121.29	10.43	5.22	0.0	20.0	0.0	113.5	43.9
31	1.39	17.1	1.5	121.27	10.43	5.21	0.0	20.0	0.0	113.4	43.9
32	1.39	17.5	1.5	120.91	10.4	5.2	0.0	20.0	0.0	113.0	43.7
33	1.39	18.0	1.5	120.23	10.34	5.17	0.0	20.0	0.0	112.3	43.5
34	1.39	18.4	1.5	119.21	10.25	5.13	0.0	20.0	0.0	111.3	43.1
35	1.39	18.9	1.5	117.85	10.14	5.07	0.0	20.0	0.0	110.0	42.6
36	1.39	19.4	1.5	116.15	9.99	4.99	0.0	20.0	0.0	108.4	42.0
37	1.39	19.8	1.5	114.12	9.81	4.91	0.0	20.0	0.0	106.4	41.2
38	1.27	20.3	1.4	102.14	8.78	4.39	0.0	20.0	0.0	95.3	36.9
39	1.52	20.7	1.6	117.12	10.07	5.04	0.0	20.0	0.0	109.2	42.3
40	1.39	21.2	1.5	101.99	8.77	4.39	0.0	20.0	0.0	95.1	36.8
41	1.39	21.7	1.5	96.08	8.26	4.13	0.0	20.0	0.0	89.6	34.7
42	1.39	22.1	1.5	89.81	7.72	3.86	0.0	20.0	0.0	83.8	32.4
43	1.39	22.6	1.5	83.19	7.15	3.58	0.0	20.0	0.0	77.6	30.0
44	1.39	23.1	1.5	76.19	6.55	3.28	0.0	20.0	0.0	71.1	27.5
45	1.39	23.5	1.5	68.82	5.92	2.96	0.0	20.0	0.0	64.2	24.9
46	1.39	24.0	1.5	61.09	5.25	2.63	0.0	20.0	0.0	57.0	22.1
47	1.36	24.5	1.5	51.65	4.44	2.22	0.0	20.0	0.0	48.3	18.7
48	1.43	25.0	1.6	42.03	3.61	1.81	0.0	20.0	0.0	39.3	15.2
49	1.39	25.4	1.5	24.73	2.13	1.06	0.0	20.0	0.0	23.1	9.0
50	1.39	25.9	1.6	8.34	0.72	0.36	0.0	20.0	0.0	7.8	3.0

$$x_c = 230.621 \quad y_c = 271.921 \quad R_c = 181.488 \quad F_s = 1.002$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.68	8.6	0.7	0.69	0.06	0.03	0.0	20.0	0.0	0.7	0.2
2	0.68	8.9	0.7	2.05	0.18	0.09	0.0	20.0	0.0	2.0	0.7
3	0.68	9.1	0.7	3.37	0.29	0.15	0.0	20.0	0.0	3.2	1.2
4	0.68	9.3	0.7	4.66	0.4	0.2	0.0	20.0	0.0	4.5	1.6
5	0.68	9.5	0.7	5.91	0.51	0.25	0.0	20.0	0.0	5.6	2.1
6	0.68	9.7	0.7	7.12	0.61	0.31	0.0	20.0	0.0	6.8	2.5
7	0.68	10.0	0.7	8.3	0.71	0.36	0.0	20.0	0.0	7.9	2.9
8	0.68	10.2	0.7	9.45	0.81	0.41	0.0	20.0	0.0	9.0	3.3

9	0.68	10.4	0.7	10.55	0.91	0.45	0.0	20.0	0.0	10.1	3.7
10	0.68	10.6	0.7	11.62	1.0	0.5	0.0	20.0	0.0	11.1	4.0
11	0.68	10.8	0.7	12.66	1.09	0.54	0.0	20.0	0.0	12.0	4.4
12	0.68	11.1	0.7	13.65	1.17	0.59	0.0	20.0	0.0	13.0	4.7
13	0.68	11.3	0.7	14.61	1.26	0.63	0.0	20.0	0.0	13.9	5.0
14	0.68	11.5	0.7	15.54	1.34	0.67	0.0	20.0	0.0	14.8	5.4
15	0.68	11.7	0.7	16.42	1.41	0.71	0.0	20.0	0.0	15.6	5.7
16	0.68	11.9	0.7	17.27	1.49	0.74	0.0	20.0	0.0	16.4	6.0
17	0.68	12.2	0.7	18.09	1.56	0.78	0.0	20.0	0.0	17.2	6.2
18	0.68	12.4	0.7	18.87	1.62	0.81	0.0	20.0	0.0	17.9	6.5
19	0.68	12.6	0.7	19.61	1.69	0.84	0.0	20.0	0.0	18.6	6.7
20	0.68	12.8	0.7	20.31	1.75	0.87	0.0	20.0	0.0	19.2	7.0
21	0.68	13.0	0.7	20.97	1.8	0.9	0.0	20.0	0.0	19.9	7.2
22	0.68	13.3	0.7	21.6	1.86	0.93	0.0	20.0	0.0	20.4	7.4
23	0.68	13.5	0.7	22.19	1.91	0.95	0.0	20.0	0.0	21.0	7.6
24	0.68	13.7	0.7	22.75	1.96	0.98	0.0	20.0	0.0	21.5	7.8
25	0.68	13.9	0.7	23.26	2.0	1.0	0.0	20.0	0.0	22.0	8.0
26	0.79	14.2	0.8	27.47	2.36	1.18	0.0	20.0	0.0	26.0	9.4
27	0.58	14.4	0.6	20.23	1.74	0.87	0.0	20.0	0.0	19.1	6.9
28	0.68	14.6	0.7	23.78	2.05	1.02	0.0	20.0	0.0	22.5	8.2
29	0.68	14.8	0.7	23.55	2.03	1.01	0.0	20.0	0.0	22.2	8.1
30	0.68	15.0	0.7	23.29	2.0	1.0	0.0	20.0	0.0	22.0	8.0
31	0.68	15.3	0.7	22.98	1.98	0.99	0.0	20.0	0.0	21.7	7.9
32	0.68	15.5	0.7	22.64	1.95	0.97	0.0	20.0	0.0	21.3	7.8
33	0.68	15.7	0.7	22.25	1.91	0.96	0.0	20.0	0.0	21.0	7.6
34	0.68	15.9	0.7	21.83	1.88	0.94	0.0	20.0	0.0	20.6	7.5
35	0.68	16.2	0.7	21.37	1.84	0.92	0.0	20.0	0.0	20.1	7.3
36	0.68	16.4	0.7	20.87	1.79	0.9	0.0	20.0	0.0	19.7	7.1
37	0.68	16.6	0.7	20.33	1.75	0.87	0.0	20.0	0.0	19.1	7.0
38	0.68	16.8	0.7	19.76	1.7	0.85	0.0	20.0	0.0	18.6	6.8
39	0.68	17.1	0.7	19.14	1.65	0.82	0.0	20.0	0.0	18.0	6.5
40	0.68	17.3	0.7	18.48	1.59	0.79	0.0	20.0	0.0	17.4	6.3
41	0.68	17.5	0.7	17.79	1.53	0.76	0.0	20.0	0.0	16.7	6.1
42	0.68	17.7	0.7	17.05	1.47	0.73	0.0	20.0	0.0	16.0	5.8
43	0.68	18.0	0.7	16.28	1.4	0.7	0.0	20.0	0.0	15.3	5.6
44	0.68	18.2	0.7	15.46	1.33	0.66	0.0	20.0	0.0	14.5	5.3
45	0.44	18.4	0.5	9.4	0.81	0.4	0.0	20.0	0.0	8.8	3.2
46	0.93	18.6	1.0	17.32	1.49	0.74	0.0	20.0	0.0	16.3	5.9
47	0.68	18.9	0.7	9.58	0.82	0.41	0.0	20.0	0.0	9.0	3.3
48	0.68	19.1	0.7	6.9	0.59	0.3	0.0	20.0	0.0	6.5	2.4
49	0.68	19.3	0.7	4.17	0.36	0.18	0.0	20.0	0.0	3.9	1.4
50	0.68	19.6	0.7	1.4	0.12	0.06	0.0	20.0	0.0	1.3	0.5

$$x_c = 111.99 \quad y_c = 281.967 \quad R_c = 223.585 \quad F_s = 1.087$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.29	4.7	1.3	2.05	0.18	0.09	0.0	20.0	0.0	2.0	0.7
2	1.29	5.1	1.3	6.0	0.52	0.26	0.0	20.0	0.0	5.8	2.0
3	1.29	5.4	1.3	9.76	0.84	0.42	0.0	20.0	0.0	9.5	3.2
4	1.29	5.7	1.3	13.33	1.15	0.57	0.0	20.0	0.0	13.0	4.3
5	1.29	6.1	1.3	16.72	1.44	0.72	0.0	20.0	0.0	16.2	5.4
6	1.29	6.4	1.3	19.91	1.71	0.86	0.0	20.0	0.0	19.3	6.5
7	1.29	6.7	1.3	22.92	1.97	0.99	0.0	20.0	0.0	22.2	7.4



8	1.29	7.1	1.3	25.73	2.21	1.11	0.0	20.0	0.0	24.9	8.3
9	1.29	7.4	1.3	28.36	2.44	1.22	0.0	20.0	0.0	27.4	9.2
10	1.29	7.7	1.3	30.79	2.65	1.32	0.0	20.0	0.0	29.7	10.0
11	1.29	8.1	1.3	33.04	2.84	1.42	0.0	20.0	0.0	31.9	10.7
12	1.29	8.4	1.3	35.09	3.02	1.51	0.0	20.0	0.0	33.8	11.3
13	1.29	8.7	1.3	36.94	3.18	1.59	0.0	20.0	0.0	35.6	11.9
14	1.29	9.1	1.3	38.61	3.32	1.66	0.0	20.0	0.0	37.1	12.4
15	1.29	9.4	1.3	40.08	3.45	1.72	0.0	20.0	0.0	38.5	12.9
16	1.29	9.7	1.3	41.36	3.56	1.78	0.0	20.0	0.0	39.7	13.3
17	1.29	10.1	1.3	42.44	3.65	1.82	0.0	20.0	0.0	40.7	13.6
18	1.29	10.4	1.3	43.33	3.73	1.86	0.0	20.0	0.0	41.5	13.9
19	1.29	10.7	1.3	44.02	3.79	1.89	0.0	20.0	0.0	42.1	14.1
20	1.29	11.1	1.3	44.52	3.83	1.91	0.0	20.0	0.0	42.6	14.3
21	1.29	11.4	1.3	44.82	3.85	1.93	0.0	20.0	0.0	42.8	14.3
22	0.69	11.7	0.7	24.13	2.08	1.04	0.0	20.0	0.0	23.0	7.7
23	1.88	12.0	1.9	67.09	5.77	2.88	0.0	20.0	0.0	64.0	21.4
24	1.29	12.4	1.3	47.23	4.06	2.03	0.0	20.0	0.0	45.0	15.1
25	1.29	12.7	1.3	48.11	4.14	2.07	0.0	20.0	0.0	45.9	15.3
26	1.29	13.1	1.3	48.79	4.2	2.1	0.0	20.0	0.0	46.5	15.6
27	1.29	13.4	1.3	49.26	4.24	2.12	0.0	20.0	0.0	46.9	15.7
28	1.29	13.8	1.3	49.54	4.26	2.13	0.0	20.0	0.0	47.1	15.8
29	1.29	14.1	1.3	49.61	4.27	2.13	0.0	20.0	0.0	47.2	15.8
30	1.29	14.4	1.3	49.48	4.26	2.13	0.0	20.0	0.0	47.0	15.7
31	1.29	14.8	1.3	49.14	4.23	2.11	0.0	20.0	0.0	46.7	15.6
32	1.29	15.1	1.3	48.6	4.18	2.09	0.0	20.0	0.0	46.2	15.5
33	1.29	15.5	1.3	47.85	4.12	2.06	0.0	20.0	0.0	45.4	15.2
34	1.29	15.8	1.3	46.89	4.03	2.02	0.0	20.0	0.0	44.5	14.9
35	1.29	16.1	1.3	45.73	3.93	1.97	0.0	20.0	0.0	43.4	14.5
36	1.29	16.5	1.3	44.35	3.81	1.91	0.0	20.0	0.0	42.1	14.1
37	1.29	16.8	1.3	42.76	3.68	1.84	0.0	20.0	0.0	40.6	13.6
38	1.29	17.2	1.3	40.96	3.52	1.76	0.0	20.0	0.0	38.9	13.0
39	1.29	17.5	1.3	38.95	3.35	1.67	0.0	20.0	0.0	36.9	12.4
40	1.29	17.9	1.4	36.72	3.16	1.58	0.0	20.0	0.0	34.8	11.7
41	1.29	18.2	1.4	34.27	2.95	1.47	0.0	20.0	0.0	32.5	10.9
42	1.29	18.6	1.4	31.61	2.72	1.36	0.0	20.0	0.0	30.0	10.0
43	1.29	18.9	1.4	28.73	2.47	1.24	0.0	20.0	0.0	27.2	9.1
44	1.29	19.3	1.4	25.62	2.2	1.1	0.0	20.0	0.0	24.3	8.1
45	1.29	19.6	1.4	22.3	1.92	0.96	0.0	20.0	0.0	21.2	7.1
46	1.29	20.0	1.4	18.76	1.61	0.81	0.0	20.0	0.0	17.8	6.0
47	1.29	20.3	1.4	14.99	1.29	0.64	0.0	20.0	0.0	14.2	4.8
48	1.29	20.7	1.4	10.99	0.95	0.47	0.0	20.0	0.0	10.4	3.5
49	1.29	21.0	1.4	6.77	0.58	0.29	0.0	20.0	0.0	6.4	2.1
50	1.29	21.4	1.4	2.31	0.2	0.1	0.0	20.0	0.0	2.2	0.7

$$x_c = 131.762 \quad y_c = 276.944 \quad R_c = 218.042 \quad F_s = 1.03$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	2.18	-0.4	2.2	10.16	0.87	0.44	0.0	20.0	0.0	10.2	3.6
2	2.18	0.1	2.2	29.77	2.56	1.28	0.0	20.0	0.0	29.7	10.5
3	2.18	0.7	2.2	48.46	4.17	2.08	0.0	20.0	0.0	48.3	17.0
4	2.18	1.3	2.2	66.21	5.69	2.85	0.0	20.0	0.0	65.7	23.2
5	2.18	1.8	2.2	83.03	7.14	3.57	0.0	20.0	0.0	82.1	29.0
6	2.18	2.4	2.2	98.92	8.51	4.25	0.0	20.0	0.0	97.5	34.5

7	2.18	3.0	2.2	113.87	9.79	4.9	0.0	20.0	0.0	112.0	39.6
8	2.18	3.6	2.2	127.88	11.0	5.5	0.0	20.0	0.0	125.4	44.3
9	2.18	4.1	2.2	140.96	12.12	6.06	0.0	20.0	0.0	137.8	48.7
10	2.18	4.7	2.2	153.1	13.17	6.58	0.0	20.0	0.0	149.3	52.7
11	2.18	5.3	2.2	164.3	14.13	7.07	0.0	20.0	0.0	159.8	56.5
12	2.18	5.9	2.2	174.56	15.01	7.51	0.0	20.0	0.0	169.3	59.8
13	2.36	6.5	2.4	199.54	17.16	8.58	0.0	20.0	0.0	193.1	68.2
14	2.0	7.0	2.0	178.22	15.33	7.66	0.0	20.0	0.0	172.1	60.8
15	2.18	7.6	2.2	205.24	17.65	8.83	0.0	20.0	0.0	197.7	69.9
16	2.18	8.2	2.2	215.65	18.55	9.27	0.0	20.0	0.0	207.3	73.3
17	2.18	8.8	2.2	225.1	19.36	9.68	0.0	20.0	0.0	216.0	76.3
18	2.18	9.3	2.2	233.59	20.09	10.04	0.0	20.0	0.0	223.7	79.1
19	2.18	9.9	2.2	241.1	20.73	10.37	0.0	20.0	0.0	230.5	81.5
20	2.18	10.5	2.2	247.64	21.3	10.65	0.0	20.0	0.0	236.4	83.5
21	2.18	11.1	2.2	253.2	21.78	10.89	0.0	20.0	0.0	241.3	85.3
22	2.18	11.7	2.2	257.77	22.17	11.08	0.0	20.0	0.0	245.3	86.7
23	2.18	12.3	2.2	261.35	22.48	11.24	0.0	20.0	0.0	248.4	87.8
24	2.18	12.8	2.2	263.94	22.7	11.35	0.0	20.0	0.0	250.5	88.5
25	2.18	13.4	2.2	265.51	22.83	11.42	0.0	20.0	0.0	251.7	88.9
26	2.18	14.0	2.2	266.08	22.88	11.44	0.0	20.0	0.0	252.0	89.0
27	2.18	14.6	2.3	265.62	22.84	11.42	0.0	20.0	0.0	251.3	88.8
28	2.18	15.2	2.3	264.13	22.72	11.36	0.0	20.0	0.0	249.7	88.2
29	2.18	15.8	2.3	261.62	22.5	11.25	0.0	20.0	0.0	247.2	87.3
30	2.18	16.4	2.3	258.05	22.19	11.1	0.0	20.0	0.0	243.7	86.1
31	2.18	17.0	2.3	253.43	21.79	10.9	0.0	20.0	0.0	239.2	84.5
32	2.18	17.6	2.3	247.74	21.31	10.65	0.0	20.0	0.0	233.7	82.6
33	2.18	18.2	2.3	240.97	20.72	10.36	0.0	20.0	0.0	227.3	80.3
34	2.18	18.8	2.3	233.12	20.05	10.02	0.0	20.0	0.0	219.8	77.7
35	2.18	19.4	2.3	224.17	19.28	9.64	0.0	20.0	0.0	211.4	74.7
36	2.18	20.0	2.3	214.12	18.41	9.21	0.0	20.0	0.0	201.9	71.3
37	1.98	20.6	2.1	184.47	15.86	7.93	0.0	20.0	0.0	174.0	61.5
38	2.38	21.2	2.6	217.81	18.73	9.37	0.0	20.0	0.0	205.5	72.6
39	2.18	21.9	2.3	200.42	17.24	8.62	0.0	20.0	0.0	189.1	66.8
40	2.18	22.5	2.4	200.39	17.23	8.62	0.0	20.0	0.0	189.2	66.9
41	3.08	23.2	3.4	281.02	24.17	12.08	0.0	20.0	0.0	265.5	93.8
42	1.28	23.8	1.4	111.72	9.61	4.8	0.0	20.0	0.0	105.6	37.3
43	2.18	24.3	2.4	172.55	14.84	7.42	0.0	20.0	0.0	163.3	57.7
44	2.18	25.0	2.4	148.74	12.79	6.4	0.0	20.0	0.0	140.9	49.8
45	2.18	25.6	2.4	123.67	10.64	5.32	0.0	20.0	0.0	117.3	41.4
46	2.01	26.2	2.2	90.61	7.79	3.9	0.0	20.0	0.0	86.0	30.4
47	2.35	26.9	2.6	81.77	7.03	3.52	0.0	20.0	0.0	77.7	27.5
48	2.18	27.5	2.5	55.27	4.75	2.38	0.0	20.0	0.0	52.6	18.6
49	2.18	28.2	2.5	34.19	2.94	1.47	0.0	20.0	0.0	32.6	11.5
50	2.18	28.8	2.5	11.74	1.01	0.5	0.0	20.0	0.0	11.2	4.0

$$x_c = 151.534 \quad y_c = 281.967 \quad R_c = 216.004 \quad F_s = 0.959$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.78	3.3	1.8	6.0	0.52	0.26	0.0	20.0	0.0	5.9	2.2
2	1.78	3.8	1.8	17.61	1.51	0.76	0.0	20.0	0.0	17.2	6.5
3	1.78	4.3	1.8	28.72	2.47	1.23	0.0	20.0	0.0	28.0	10.6
4	1.78	4.8	1.8	39.31	3.38	1.69	0.0	20.0	0.0	38.2	14.5
5	1.78	5.2	1.8	49.38	4.25	2.12	0.0	20.0	0.0	47.9	18.2

6	1.78	5.7	1.8	58.94	5.07	2.53	0.0	20.0	0.0	57.1	21.7
7	1.78	6.2	1.8	67.98	5.85	2.92	0.0	20.0	0.0	65.7	24.9
8	1.78	6.7	1.8	76.51	6.58	3.29	0.0	20.0	0.0	73.8	28.0
9	1.78	7.1	1.8	84.52	7.27	3.63	0.0	20.0	0.0	81.3	30.9
10	1.78	7.6	1.8	92.0	7.91	3.96	0.0	20.0	0.0	88.3	33.5
11	1.78	8.1	1.8	98.97	8.51	4.26	0.0	20.0	0.0	94.8	36.0
12	1.78	8.6	1.8	105.4	9.06	4.53	0.0	20.0	0.0	100.8	38.3
13	1.78	9.0	1.8	111.32	9.57	4.79	0.0	20.0	0.0	106.3	40.3
14	1.78	9.5	1.8	116.7	10.04	5.02	0.0	20.0	0.0	111.3	42.2
15	1.78	10.0	1.8	121.55	10.45	5.23	0.0	20.0	0.0	115.7	43.9
16	1.78	10.5	1.8	125.87	10.83	5.41	0.0	20.0	0.0	119.6	45.4
17	1.78	10.9	1.8	129.66	11.15	5.58	0.0	20.0	0.0	123.0	46.7
18	1.78	11.4	1.8	132.91	11.43	5.72	0.0	20.0	0.0	125.9	47.8
19	1.78	11.9	1.8	135.62	11.66	5.83	0.0	20.0	0.0	128.3	48.7
20	1.78	12.4	1.8	137.78	11.85	5.92	0.0	20.0	0.0	130.2	49.4
21	1.78	12.9	1.8	139.4	11.99	5.99	0.0	20.0	0.0	131.6	49.9
22	1.78	13.4	1.8	140.47	12.08	6.04	0.0	20.0	0.0	132.4	50.3
23	1.78	13.8	1.8	140.99	12.12	6.06	0.0	20.0	0.0	132.8	50.4
24	1.78	14.3	1.8	140.95	12.12	6.06	0.0	20.0	0.0	132.6	50.3
25	1.78	14.8	1.8	140.35	12.07	6.03	0.0	20.0	0.0	131.9	50.1
26	1.8	15.3	1.9	140.8	12.11	6.05	0.0	20.0	0.0	132.2	50.2
27	1.76	15.8	1.8	140.58	12.09	6.04	0.0	20.0	0.0	131.9	50.1
28	1.78	16.3	1.9	149.59	12.86	6.43	0.0	20.0	0.0	140.3	53.2
29	1.78	16.8	1.9	156.41	13.45	6.73	0.0	20.0	0.0	146.6	55.6
30	1.78	17.3	1.9	162.66	13.99	6.99	0.0	20.0	0.0	152.4	57.8
31	1.78	17.8	1.9	168.31	14.47	7.24	0.0	20.0	0.0	157.6	59.8
32	0.96	18.1	1.0	93.56	8.05	4.02	0.0	20.0	0.0	87.6	33.2
33	2.59	18.6	2.7	244.35	21.01	10.51	0.0	20.0	0.0	228.6	86.7
34	1.78	19.3	1.9	157.1	13.51	6.76	0.0	20.0	0.0	146.9	55.7
35	1.78	19.8	1.9	147.78	12.71	6.35	0.0	20.0	0.0	138.2	52.4
36	1.78	20.3	1.9	137.85	11.85	5.93	0.0	20.0	0.0	128.9	48.9
37	1.91	20.8	2.0	136.36	11.73	5.86	0.0	20.0	0.0	127.5	48.4
38	1.64	21.3	1.8	109.69	9.43	4.72	0.0	20.0	0.0	102.6	38.9
39	1.78	21.8	1.9	113.04	9.72	4.86	0.0	20.0	0.0	105.7	40.1
40	1.78	22.3	1.9	106.71	9.18	4.59	0.0	20.0	0.0	99.8	37.9
41	1.78	22.8	1.9	99.74	8.58	4.29	0.0	20.0	0.0	93.3	35.4
42	1.78	23.3	1.9	92.12	7.92	3.96	0.0	20.0	0.0	86.2	32.7
43	1.78	23.8	1.9	83.84	7.21	3.61	0.0	20.0	0.0	78.5	29.8
44	1.78	24.3	1.9	74.9	6.44	3.22	0.0	20.0	0.0	70.2	26.6
45	1.78	24.8	2.0	65.29	5.61	2.81	0.0	20.0	0.0	61.2	23.2
46	1.78	25.4	2.0	55.0	4.73	2.36	0.0	20.0	0.0	51.6	19.6
47	1.78	25.9	2.0	44.01	3.79	1.89	0.0	20.0	0.0	41.3	15.7
48	1.78	26.4	2.0	32.33	2.78	1.39	0.0	20.0	0.0	30.4	11.5
49	1.78	26.9	2.0	19.94	1.71	0.86	0.0	20.0	0.0	18.7	7.1
50	1.78	27.5	2.0	6.83	0.59	0.29	0.0	20.0	0.0	6.4	2.4

$x_c = 171.306$   $y_c = 276.944$   $R_c = 203.584$   $F_s = 0.909$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.16	8.0	1.2	1.45	0.12	0.06	0.0	20.0	0.0	1.4	0.6
2	1.16	8.4	1.2	4.23	0.36	0.18	0.0	20.0	0.0	4.0	1.6
3	1.16	8.7	1.2	6.86	0.59	0.3	0.0	20.0	0.0	6.5	2.6
4	1.16	9.0	1.2	9.34	0.8	0.4	0.0	20.0	0.0	8.9	3.6

5	1.16	9.4	1.2	11.66	1.0	0.5	0.0	20.0	0.0	11.1	4.4
6	1.16	9.7	1.2	13.82	1.19	0.59	0.0	20.0	0.0	13.1	5.3
7	1.16	10.0	1.2	15.83	1.36	0.68	0.0	20.0	0.0	15.0	6.0
8	1.16	10.3	1.2	17.69	1.52	0.76	0.0	20.0	0.0	16.8	6.7
9	1.01	10.7	1.0	16.86	1.45	0.72	0.0	20.0	0.0	15.9	6.4
10	1.3	11.0	1.3	26.06	2.24	1.12	0.0	20.0	0.0	24.6	9.9
11	1.16	11.3	1.2	28.99	2.49	1.25	0.0	20.0	0.0	27.4	11.0
12	1.16	11.7	1.2	34.32	2.95	1.48	0.0	20.0	0.0	32.4	13.0
13	1.16	12.0	1.2	39.5	3.4	1.7	0.0	20.0	0.0	37.2	14.9
14	1.16	12.3	1.2	44.52	3.83	1.91	0.0	20.0	0.0	41.9	16.8
15	1.16	12.7	1.2	49.38	4.25	2.12	0.0	20.0	0.0	46.4	18.6
16	1.16	13.0	1.2	54.07	4.65	2.33	0.0	20.0	0.0	50.8	20.3
17	1.59	13.4	1.6	81.51	7.01	3.51	0.0	20.0	0.0	76.5	30.6
18	0.73	13.7	0.7	39.03	3.36	1.68	0.0	20.0	0.0	36.6	14.7
19	1.16	14.0	1.2	61.17	5.26	2.63	0.0	20.0	0.0	57.3	22.9
20	1.16	14.3	1.2	59.89	5.15	2.58	0.0	20.0	0.0	56.1	22.4
21	1.16	14.7	1.2	58.44	5.03	2.51	0.0	20.0	0.0	54.7	21.9
22	1.16	15.0	1.2	56.82	4.89	2.44	0.0	20.0	0.0	53.1	21.3
23	1.16	15.4	1.2	55.04	4.73	2.37	0.0	20.0	0.0	51.4	20.6
24	1.16	15.7	1.2	53.1	4.57	2.28	0.0	20.0	0.0	49.6	19.8
25	1.16	16.0	1.2	50.98	4.38	2.19	0.0	20.0	0.0	47.6	19.0
26	1.0	16.3	1.0	42.45	3.65	1.83	0.0	20.0	0.0	39.6	15.8
27	1.31	16.7	1.4	54.16	4.66	2.33	0.0	20.0	0.0	50.5	20.2
28	1.16	17.0	1.2	47.86	4.12	2.06	0.0	20.0	0.0	44.6	17.8
29	1.16	17.4	1.2	47.65	4.1	2.05	0.0	20.0	0.0	44.4	17.8
30	1.16	17.7	1.2	47.28	4.07	2.03	0.0	20.0	0.0	44.0	17.6
31	1.16	18.1	1.2	46.73	4.02	2.01	0.0	20.0	0.0	43.5	17.4
32	1.16	18.4	1.2	46.01	3.96	1.98	0.0	20.0	0.0	42.8	17.1
33	1.16	18.8	1.2	45.12	3.88	1.94	0.0	20.0	0.0	41.9	16.8
34	1.16	19.1	1.2	44.05	3.79	1.89	0.0	20.0	0.0	40.9	16.4
35	1.16	19.4	1.2	42.81	3.68	1.84	0.0	20.0	0.0	39.8	15.9
36	1.16	19.8	1.2	41.38	3.56	1.78	0.0	20.0	0.0	38.4	15.4
37	1.16	20.1	1.2	39.78	3.42	1.71	0.0	20.0	0.0	36.9	14.8
38	1.16	20.5	1.2	38.0	3.27	1.63	0.0	20.0	0.0	35.3	14.1
39	1.16	20.8	1.2	36.03	3.1	1.55	0.0	20.0	0.0	33.5	13.4
40	1.16	21.2	1.2	33.89	2.91	1.46	0.0	20.0	0.0	31.5	12.6
41	1.16	21.5	1.2	31.56	2.71	1.36	0.0	20.0	0.0	29.3	11.7
42	1.16	21.9	1.2	29.05	2.5	1.25	0.0	20.0	0.0	27.0	10.8
43	1.16	22.2	1.2	26.34	2.27	1.13	0.0	20.0	0.0	24.5	9.8
44	1.16	22.6	1.3	23.46	2.02	1.01	0.0	20.0	0.0	21.8	8.7
45	1.16	22.9	1.3	20.38	1.75	0.88	0.0	20.0	0.0	18.9	7.6
46	1.16	23.3	1.3	17.11	1.47	0.74	0.0	20.0	0.0	15.9	6.4
47	1.16	23.6	1.3	13.65	1.17	0.59	0.0	20.0	0.0	12.7	5.1
48	1.16	24.0	1.3	9.99	0.86	0.43	0.0	20.0	0.0	9.3	3.7
49	1.16	24.4	1.3	6.14	0.53	0.26	0.0	20.0	0.0	5.7	2.3
50	1.16	24.7	1.3	2.1	0.18	0.09	0.0	20.0	0.0	2.0	0.8

$x_c = 210.849$   $y_c = 276.944$   $R_c = 194.778$   $F_s = 0.957$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.44	3.7	1.4	2.89	0.25	0.12	0.0	20.0	0.0	2.8	1.1
2	1.44	4.1	1.4	8.43	0.73	0.36	0.0	20.0	0.0	8.2	3.1
3	1.44	4.5	1.4	13.68	1.18	0.59	0.0	20.0	0.0	13.3	5.1

4	1.44	4.9	1.4	18.61	1.6	0.8	0.0	20.0	0.0	18.1	6.9
5	0.74	5.3	0.7	11.29	0.97	0.49	0.0	20.0	0.0	11.0	4.2
6	2.15	5.7	2.2	44.0	3.78	1.89	0.0	20.0	0.0	42.6	16.2
7	1.44	6.2	1.5	39.6	3.41	1.7	0.0	20.0	0.0	38.2	14.5
8	1.44	6.7	1.5	47.34	4.07	2.04	0.0	20.0	0.0	45.6	17.4
9	1.44	7.1	1.5	54.77	4.71	2.36	0.0	20.0	0.0	52.7	20.0
10	1.44	7.5	1.5	61.89	5.32	2.66	0.0	20.0	0.0	59.4	22.6
11	1.44	7.9	1.5	68.7	5.91	2.95	0.0	20.0	0.0	65.9	25.0
12	1.44	8.4	1.5	75.19	6.47	3.23	0.0	20.0	0.0	72.0	27.4
13	1.44	8.8	1.5	81.37	7.0	3.5	0.0	20.0	0.0	77.8	29.6
14	1.44	9.2	1.5	87.24	7.5	3.75	0.0	20.0	0.0	83.2	31.7
15	1.44	9.7	1.5	92.8	7.98	3.99	0.0	20.0	0.0	88.4	33.6
16	1.44	10.1	1.5	98.03	8.43	4.22	0.0	20.0	0.0	93.3	35.5
17	1.44	10.5	1.5	102.95	8.85	4.43	0.0	20.0	0.0	97.8	37.2
18	1.44	11.0	1.5	107.55	9.25	4.62	0.0	20.0	0.0	102.0	38.8
19	1.44	11.4	1.5	111.83	9.62	4.81	0.0	20.0	0.0	106.0	40.3
20	1.44	11.8	1.5	115.79	9.96	4.98	0.0	20.0	0.0	109.6	41.7
21	1.44	12.3	1.5	119.43	10.27	5.14	0.0	20.0	0.0	112.9	42.9
22	1.44	12.7	1.5	122.74	10.56	5.28	0.0	20.0	0.0	115.9	44.1
23	1.44	13.1	1.5	125.72	10.81	5.41	0.0	20.0	0.0	118.6	45.1
24	1.44	13.6	1.5	128.38	11.04	5.52	0.0	20.0	0.0	121.0	46.0
25	1.44	14.0	1.5	130.7	11.24	5.62	0.0	20.0	0.0	123.0	46.8
26	1.44	14.4	1.5	132.7	11.41	5.71	0.0	20.0	0.0	124.8	47.5
27	1.44	14.9	1.5	134.36	11.55	5.78	0.0	20.0	0.0	126.3	48.0
28	1.44	15.3	1.5	135.68	11.67	5.83	0.0	20.0	0.0	127.4	48.4
29	1.44	15.8	1.5	136.67	11.75	5.88	0.0	20.0	0.0	128.2	48.8
30	1.44	16.2	1.5	137.31	11.81	5.9	0.0	20.0	0.0	128.8	49.0
31	1.44	16.6	1.5	137.62	11.83	5.92	0.0	20.0	0.0	129.0	49.0
32	1.44	17.1	1.5	137.57	11.83	5.92	0.0	20.0	0.0	128.9	49.0
33	1.44	17.5	1.5	137.19	11.8	5.9	0.0	20.0	0.0	128.4	48.8
34	1.44	18.0	1.5	136.45	11.73	5.87	0.0	20.0	0.0	127.7	48.6
35	1.44	18.4	1.5	135.36	11.64	5.82	0.0	20.0	0.0	126.6	48.2
36	1.44	18.9	1.5	133.91	11.52	5.76	0.0	20.0	0.0	125.2	47.6
37	0.85	19.2	0.9	77.9	6.7	3.35	0.0	20.0	0.0	72.8	27.7
38	2.04	19.7	2.2	181.53	15.61	7.81	0.0	20.0	0.0	169.7	64.5
39	1.44	20.2	1.5	122.36	10.52	5.26	0.0	20.0	0.0	114.4	43.5
40	1.44	20.7	1.5	116.81	10.05	5.02	0.0	20.0	0.0	109.2	41.5
41	1.44	21.1	1.5	110.9	9.54	4.77	0.0	20.0	0.0	103.7	39.4
42	1.44	21.6	1.6	104.62	9.0	4.5	0.0	20.0	0.0	97.8	37.2
43	1.44	22.1	1.6	97.95	8.42	4.21	0.0	20.0	0.0	91.6	34.8
44	1.44	22.5	1.6	90.91	7.82	3.91	0.0	20.0	0.0	85.0	32.3
45	1.93	23.0	2.1	109.84	9.45	4.72	0.0	20.0	0.0	102.7	39.1
46	0.96	23.5	1.0	47.63	4.1	2.05	0.0	20.0	0.0	44.6	16.9
47	1.44	23.9	1.6	58.58	5.04	2.52	0.0	20.0	0.0	54.8	20.9
48	1.44	24.4	1.6	42.35	3.64	1.82	0.0	20.0	0.0	39.7	15.1
49	1.44	24.8	1.6	25.71	2.21	1.11	0.0	20.0	0.0	24.1	9.2
50	1.44	25.3	1.6	8.67	0.75	0.37	0.0	20.0	0.0	8.1	3.1

$$x_c = 230.621 \quad y_c = 281.967 \quad R_c = 191.506 \quad F_s = 1.032$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.73	8.0	0.7	0.85	0.07	0.04	0.0	20.0	0.0	0.8	0.3
2	0.73	8.3	0.7	2.52	0.22	0.11	0.0	20.0	0.0	2.4	0.9

3	0.73	8.5	0.7	4.14	0.36	0.18	0.0	20.0	0.0	4.0	1.4
4	0.73	8.7	0.7	5.72	0.49	0.25	0.0	20.0	0.0	5.5	1.9
5	0.73	8.9	0.7	7.27	0.62	0.31	0.0	20.0	0.0	7.0	2.5
6	0.73	9.2	0.7	8.77	0.75	0.38	0.0	20.0	0.0	8.4	3.0
7	0.73	9.4	0.7	10.23	0.88	0.44	0.0	20.0	0.0	9.8	3.5
8	0.73	9.6	0.7	11.64	1.0	0.5	0.0	20.0	0.0	11.1	3.9
9	0.73	9.8	0.7	13.02	1.12	0.56	0.0	20.0	0.0	12.5	4.4
10	0.73	10.0	0.7	14.35	1.23	0.62	0.0	20.0	0.0	13.7	4.8
11	0.73	10.3	0.7	15.64	1.35	0.67	0.0	20.0	0.0	14.9	5.3
12	0.73	10.5	0.7	16.89	1.45	0.73	0.0	20.0	0.0	16.1	5.7
13	0.73	10.7	0.7	18.1	1.56	0.78	0.0	20.0	0.0	17.3	6.1
14	0.73	10.9	0.7	19.27	1.66	0.83	0.0	20.0	0.0	18.4	6.5
15	0.73	11.2	0.7	20.39	1.75	0.88	0.0	20.0	0.0	19.4	6.9
16	0.73	11.4	0.7	21.47	1.85	0.92	0.0	20.0	0.0	20.4	7.2
17	0.73	11.6	0.7	22.51	1.94	0.97	0.0	20.0	0.0	21.4	7.6
18	0.73	11.8	0.7	23.5	2.02	1.01	0.0	20.0	0.0	22.4	7.9
19	0.73	12.1	0.7	24.45	2.1	1.05	0.0	20.0	0.0	23.3	8.2
20	0.73	12.3	0.7	25.36	2.18	1.09	0.0	20.0	0.0	24.1	8.5
21	0.73	12.5	0.7	26.23	2.26	1.13	0.0	20.0	0.0	24.9	8.8
22	0.73	12.7	0.8	27.05	2.33	1.16	0.0	20.0	0.0	25.7	9.1
23	0.73	12.9	0.8	27.83	2.39	1.2	0.0	20.0	0.0	26.4	9.3
24	0.73	13.2	0.8	28.57	2.46	1.23	0.0	20.0	0.0	27.1	9.6
25	0.81	13.4	0.8	32.36	2.78	1.39	0.0	20.0	0.0	30.7	10.8
26	0.66	13.6	0.7	26.55	2.28	1.14	0.0	20.0	0.0	25.2	8.9
27	0.73	13.8	0.8	29.57	2.54	1.27	0.0	20.0	0.0	28.0	9.9
28	0.73	14.1	0.8	29.46	2.53	1.27	0.0	20.0	0.0	27.9	9.8
29	0.73	14.3	0.8	29.29	2.52	1.26	0.0	20.0	0.0	27.7	9.8
30	0.73	14.5	0.8	29.09	2.5	1.25	0.0	20.0	0.0	27.5	9.7
31	0.73	14.8	0.8	28.84	2.48	1.24	0.0	20.0	0.0	27.3	9.6
32	0.73	15.0	0.8	28.55	2.45	1.23	0.0	20.0	0.0	27.0	9.5
33	0.73	15.2	0.8	28.21	2.43	1.21	0.0	20.0	0.0	26.7	9.4
34	0.73	15.4	0.8	27.83	2.39	1.2	0.0	20.0	0.0	26.3	9.3
35	0.73	15.7	0.8	27.4	2.36	1.18	0.0	20.0	0.0	25.9	9.1
36	0.73	15.9	0.8	26.93	2.32	1.16	0.0	20.0	0.0	25.4	9.0
37	0.73	16.1	0.8	26.41	2.27	1.14	0.0	20.0	0.0	24.9	8.8
38	0.73	16.3	0.8	25.85	2.22	1.11	0.0	20.0	0.0	24.4	8.6
39	0.73	16.6	0.8	25.24	2.17	1.09	0.0	20.0	0.0	23.8	8.4
40	0.73	16.8	0.8	24.58	2.11	1.06	0.0	20.0	0.0	23.2	8.2
41	0.73	17.0	0.8	23.88	2.05	1.03	0.0	20.0	0.0	22.5	8.0
42	1.0	17.3	1.1	31.57	2.72	1.36	0.0	20.0	0.0	29.8	10.5
43	0.46	17.5	0.5	13.53	1.16	0.58	0.0	20.0	0.0	12.8	4.5
44	0.73	17.7	0.8	19.31	1.66	0.83	0.0	20.0	0.0	18.2	6.4
45	0.73	17.9	0.8	16.46	1.42	0.71	0.0	20.0	0.0	15.5	5.5
46	0.73	18.2	0.8	13.58	1.17	0.58	0.0	20.0	0.0	12.8	4.5
47	0.73	18.4	0.8	10.64	0.92	0.46	0.0	20.0	0.0	10.0	3.5
48	0.73	18.6	0.8	7.66	0.66	0.33	0.0	20.0	0.0	7.2	2.5
49	0.73	18.9	0.8	4.63	0.4	0.2	0.0	20.0	0.0	4.4	1.5
50	0.73	19.1	0.8	1.56	0.13	0.07	0.0	20.0	0.0	1.5	0.5

$x_c = 131.762$   $y_c = 286.99$   $R_c = 228.076$   $F_s = 1.023$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	2.29	-0.4	2.3	11.19	0.96	0.48	0.0	20.0	0.0	11.2	4.0

2	2.29	0.2	2.3	32.78	2.82	1.41	0.0	20.0	0.0	32.7	11.6
3	2.29	0.8	2.3	53.34	4.59	2.29	0.0	20.0	0.0	53.1	18.9
4	2.29	1.3	2.3	72.86	6.27	3.13	0.0	20.0	0.0	72.3	25.7
5	2.29	1.9	2.3	91.35	7.86	3.93	0.0	20.0	0.0	90.3	32.1
6	2.29	2.5	2.3	108.8	9.36	4.68	0.0	20.0	0.0	107.2	38.2
7	2.29	3.1	2.3	125.21	10.77	5.38	0.0	20.0	0.0	123.0	43.8
8	2.29	3.6	2.3	140.58	12.09	6.05	0.0	20.0	0.0	137.8	49.0
9	2.29	4.2	2.3	154.91	13.32	6.66	0.0	20.0	0.0	151.4	53.9
10	2.29	4.8	2.3	168.2	14.47	7.23	0.0	20.0	0.0	163.9	58.3
11	2.29	5.4	2.3	180.44	15.52	7.76	0.0	20.0	0.0	175.4	62.4
12	3.26	6.1	3.3	275.87	23.72	11.86	0.0	20.0	0.0	267.3	95.1
13	1.32	6.6	1.3	118.33	10.18	5.09	0.0	20.0	0.0	114.4	40.7
14	2.29	7.1	2.3	215.58	18.54	9.27	0.0	20.0	0.0	208.0	74.0
15	2.29	7.7	2.3	227.99	19.61	9.8	0.0	20.0	0.0	219.5	78.1
16	2.29	8.3	2.3	239.33	20.58	10.29	0.0	20.0	0.0	230.0	81.8
17	2.29	8.8	2.3	249.6	21.47	10.73	0.0	20.0	0.0	239.4	85.2
18	2.29	9.4	2.3	258.81	22.26	11.13	0.0	20.0	0.0	247.7	88.1
19	2.29	10.0	2.3	266.93	22.96	11.48	0.0	20.0	0.0	255.0	90.7
20	2.29	10.6	2.3	273.97	23.56	11.78	0.0	20.0	0.0	261.3	93.0
21	2.29	11.2	2.3	279.92	24.07	12.04	0.0	20.0	0.0	266.6	94.8
22	2.29	11.8	2.3	284.77	24.49	12.25	0.0	20.0	0.0	270.8	96.3
23	2.29	12.4	2.3	288.52	24.81	12.41	0.0	20.0	0.0	274.0	97.5
24	2.29	13.0	2.4	291.16	25.04	12.52	0.0	20.0	0.0	276.2	98.2
25	2.29	13.5	2.4	292.68	25.17	12.59	0.0	20.0	0.0	277.3	98.6
26	2.29	14.1	2.4	293.08	25.2	12.6	0.0	20.0	0.0	277.4	98.7
27	2.29	14.7	2.4	292.33	25.14	12.57	0.0	20.0	0.0	276.4	98.3
28	2.29	15.3	2.4	290.45	24.98	12.49	0.0	20.0	0.0	274.4	97.6
29	2.29	15.9	2.4	287.41	24.72	12.36	0.0	20.0	0.0	271.3	96.5
30	2.29	16.5	2.4	283.21	24.36	12.18	0.0	20.0	0.0	267.2	95.1
31	2.29	17.1	2.4	277.83	23.89	11.95	0.0	20.0	0.0	262.0	93.2
32	2.29	17.7	2.4	271.27	23.33	11.66	0.0	20.0	0.0	255.7	91.0
33	2.29	18.3	2.4	263.51	22.66	11.33	0.0	20.0	0.0	248.3	88.3
34	2.29	18.9	2.4	254.54	21.89	10.95	0.0	20.0	0.0	239.8	85.3
35	2.49	19.6	2.6	264.52	22.75	11.37	0.0	20.0	0.0	249.2	88.7
36	2.1	20.2	2.2	219.5	18.88	9.44	0.0	20.0	0.0	206.8	73.6
37	2.29	20.8	2.5	243.08	20.9	10.45	0.0	20.0	0.0	229.1	81.5
38	2.29	21.4	2.5	245.27	21.09	10.55	0.0	20.0	0.0	231.2	82.3
39	3.14	22.1	3.4	337.79	29.05	14.53	0.0	20.0	0.0	318.6	113.3
40	1.44	22.8	1.6	150.09	12.91	6.45	0.0	20.0	0.0	141.6	50.4
41	2.29	23.3	2.5	220.45	18.96	9.48	0.0	20.0	0.0	208.1	74.0
42	2.29	23.9	2.5	196.45	16.9	8.45	0.0	20.0	0.0	185.6	66.0
43	2.29	24.5	2.5	171.1	14.71	7.36	0.0	20.0	0.0	161.8	57.6
44	1.51	25.1	1.7	98.26	8.45	4.23	0.0	20.0	0.0	93.0	33.1
45	3.07	25.7	3.4	171.55	14.75	7.38	0.0	20.0	0.0	162.5	57.8
46	2.29	26.4	2.6	105.42	9.07	4.53	0.0	20.0	0.0	100.0	35.6
47	2.29	27.1	2.6	84.6	7.28	3.64	0.0	20.0	0.0	80.4	28.6
48	2.29	27.7	2.6	62.31	5.36	2.68	0.0	20.0	0.0	59.3	21.1
49	2.29	28.4	2.6	38.53	3.31	1.66	0.0	20.0	0.0	36.7	13.1
50	2.29	29.0	2.6	13.23	1.14	0.57	0.0	20.0	0.0	12.6	4.5

$x_c = 171.306$   $y_c = 286.99$   $R_c = 213.611$   $F_s = 0.909$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
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1	1.29	7.5	1.3	1.96	0.17	0.08	0.0	20.0	0.0	1.9	0.8
2	1.29	7.9	1.3	5.73	0.49	0.25	0.0	20.0	0.0	5.5	2.2
3	1.29	8.2	1.3	9.29	0.8	0.4	0.0	20.0	0.0	8.9	3.6
4	1.29	8.6	1.3	12.65	1.09	0.54	0.0	20.0	0.0	12.1	4.8
5	1.29	8.9	1.3	15.8	1.36	0.68	0.0	20.0	0.0	15.1	6.0
6	1.29	9.3	1.3	18.76	1.61	0.81	0.0	20.0	0.0	17.8	7.1
7	1.29	9.6	1.3	21.5	1.85	0.92	0.0	20.0	0.0	20.4	8.2
8	1.82	10.0	1.8	34.48	2.97	1.48	0.0	20.0	0.0	32.7	13.1
9	0.77	10.4	0.8	16.84	1.45	0.72	0.0	20.0	0.0	15.9	6.4
10	1.29	10.7	1.3	34.1	2.93	1.47	0.0	20.0	0.0	32.3	12.9
11	1.29	11.0	1.3	41.14	3.54	1.77	0.0	20.0	0.0	38.9	15.6
12	1.29	11.4	1.3	47.97	4.13	2.06	0.0	20.0	0.0	45.3	18.1
13	1.29	11.7	1.3	54.59	4.7	2.35	0.0	20.0	0.0	51.5	20.6
14	1.29	12.1	1.3	61.0	5.25	2.62	0.0	20.0	0.0	57.5	23.0
15	1.29	12.4	1.3	67.2	5.78	2.89	0.0	20.0	0.0	63.2	25.3
16	1.31	12.8	1.3	74.42	6.4	3.2	0.0	20.0	0.0	70.0	28.0
17	1.27	13.2	1.3	74.52	6.41	3.2	0.0	20.0	0.0	70.0	28.0
18	1.29	13.5	1.3	74.66	6.42	3.21	0.0	20.0	0.0	70.0	28.0
19	1.29	13.9	1.3	73.35	6.31	3.15	0.0	20.0	0.0	68.8	27.5
20	1.29	14.2	1.3	71.83	6.18	3.09	0.0	20.0	0.0	67.3	26.9
21	1.29	14.6	1.3	70.09	6.03	3.01	0.0	20.0	0.0	65.6	26.3
22	1.29	14.9	1.3	68.13	5.86	2.93	0.0	20.0	0.0	63.7	25.5
23	1.29	15.3	1.3	65.96	5.67	2.84	0.0	20.0	0.0	61.6	24.7
24	0.81	15.6	0.8	40.1	3.45	1.72	0.0	20.0	0.0	37.4	15.0
25	1.77	15.9	1.8	87.45	7.52	3.76	0.0	20.0	0.0	81.6	32.7
26	1.29	16.4	1.3	64.14	5.52	2.76	0.0	20.0	0.0	59.8	24.0
27	1.29	16.7	1.3	64.31	5.53	2.77	0.0	20.0	0.0	59.9	24.0
28	1.29	17.1	1.4	64.24	5.52	2.76	0.0	20.0	0.0	59.8	24.0
29	1.29	17.5	1.4	63.95	5.5	2.75	0.0	20.0	0.0	59.5	23.8
30	1.29	17.8	1.4	63.43	5.46	2.73	0.0	20.0	0.0	59.0	23.6
31	1.29	18.2	1.4	62.69	5.39	2.7	0.0	20.0	0.0	58.3	23.3
32	1.29	18.6	1.4	61.71	5.31	2.65	0.0	20.0	0.0	57.4	23.0
33	1.29	18.9	1.4	60.5	5.2	2.6	0.0	20.0	0.0	56.2	22.5
34	1.29	19.3	1.4	59.06	5.08	2.54	0.0	20.0	0.0	54.9	22.0
35	1.29	19.7	1.4	57.38	4.93	2.47	0.0	20.0	0.0	53.3	21.3
36	1.29	20.0	1.4	55.47	4.77	2.39	0.0	20.0	0.0	51.5	20.6
37	1.29	20.4	1.4	53.31	4.59	2.29	0.0	20.0	0.0	49.5	19.8
38	1.29	20.8	1.4	50.92	4.38	2.19	0.0	20.0	0.0	47.3	18.9
39	1.29	21.1	1.4	48.29	4.15	2.08	0.0	20.0	0.0	44.8	18.0
40	1.29	21.5	1.4	45.41	3.91	1.95	0.0	20.0	0.0	42.2	16.9
41	1.29	21.9	1.4	42.29	3.64	1.82	0.0	20.0	0.0	39.3	15.7
42	1.29	22.2	1.4	38.92	3.35	1.67	0.0	20.0	0.0	36.1	14.5
43	1.29	22.6	1.4	35.3	3.04	1.52	0.0	20.0	0.0	32.8	13.1
44	1.29	23.0	1.4	31.43	2.7	1.35	0.0	20.0	0.0	29.2	11.7
45	1.29	23.4	1.4	27.31	2.35	1.17	0.0	20.0	0.0	25.4	10.2
46	1.29	23.8	1.4	22.93	1.97	0.99	0.0	20.0	0.0	21.3	8.5
47	1.29	24.1	1.4	18.29	1.57	0.79	0.0	20.0	0.0	17.0	6.8
48	1.29	24.5	1.4	13.39	1.15	0.58	0.0	20.0	0.0	12.4	5.0
49	1.29	24.9	1.4	8.24	0.71	0.35	0.0	20.0	0.0	7.7	3.1
50	1.29	25.3	1.4	2.81	0.24	0.12	0.0	20.0	0.0	2.6	1.0

$x_c = 210.849$   $y_c = 286.99$   $R_c = 204.80$   $F_s = 0.975$

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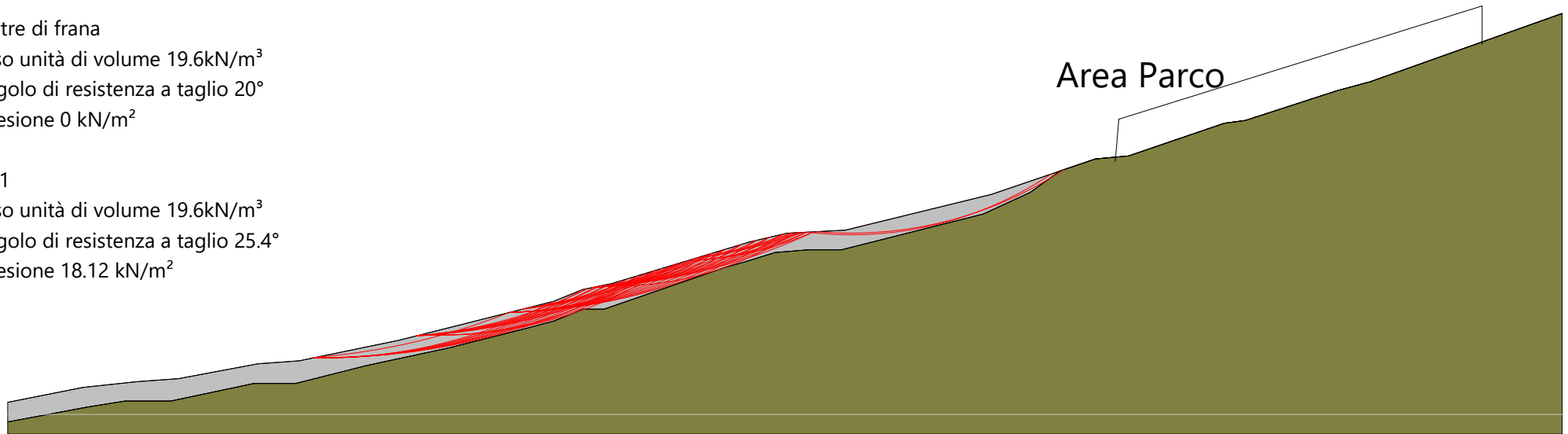
Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
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1	1.49	3.5	1.5	3.14	0.27	0.14	0.0	20.0	0.0	3.1	1.1
2	1.49	3.9	1.5	9.19	0.79	0.4	0.0	20.0	0.0	9.0	3.4
3	1.49	4.3	1.5	14.92	1.28	0.64	0.0	20.0	0.0	14.6	5.4
4	1.99	4.8	2.0	28.31	2.43	1.22	0.0	20.0	0.0	27.5	10.3
5	0.99	5.3	1.0	18.4	1.58	0.79	0.0	20.0	0.0	17.9	6.7
6	1.49	5.6	1.5	35.2	3.03	1.51	0.0	20.0	0.0	34.1	12.7
7	1.49	6.0	1.5	43.95	3.78	1.89	0.0	20.0	0.0	42.5	15.9
8	1.49	6.4	1.5	52.38	4.5	2.25	0.0	20.0	0.0	50.6	18.9
9	1.49	6.9	1.5	60.48	5.2	2.6	0.0	20.0	0.0	58.3	21.8
10	1.49	7.3	1.5	68.26	5.87	2.94	0.0	20.0	0.0	65.7	24.5
11	1.49	7.7	1.5	75.71	6.51	3.26	0.0	20.0	0.0	72.7	27.1
12	1.49	8.1	1.5	82.83	7.12	3.56	0.0	20.0	0.0	79.4	29.6
13	1.49	8.5	1.5	89.63	7.71	3.85	0.0	20.0	0.0	85.8	32.0
14	1.49	9.0	1.5	96.09	8.26	4.13	0.0	20.0	0.0	91.9	34.3
15	1.49	9.4	1.5	102.23	8.79	4.4	0.0	20.0	0.0	97.6	36.4
16	1.49	9.8	1.5	108.04	9.29	4.65	0.0	20.0	0.0	103.0	38.4
17	1.49	10.2	1.5	113.51	9.76	4.88	0.0	20.0	0.0	108.1	40.3
18	1.49	10.7	1.5	118.65	10.2	5.1	0.0	20.0	0.0	112.8	42.1
19	1.49	11.1	1.5	123.45	10.62	5.31	0.0	20.0	0.0	117.2	43.7
20	1.49	11.5	1.5	127.92	11.0	5.5	0.0	20.0	0.0	121.3	45.3
21	1.49	11.9	1.5	132.05	11.36	5.68	0.0	20.0	0.0	125.1	46.7
22	1.49	12.4	1.5	135.84	11.68	5.84	0.0	20.0	0.0	128.5	48.0
23	1.49	12.8	1.5	139.28	11.98	5.99	0.0	20.0	0.0	131.7	49.1
24	1.49	13.2	1.5	142.38	12.25	6.12	0.0	20.0	0.0	134.5	50.2
25	1.49	13.7	1.5	145.14	12.48	6.24	0.0	20.0	0.0	137.0	51.1
26	1.49	14.1	1.5	147.56	12.69	6.34	0.0	20.0	0.0	139.1	51.9
27	1.49	14.5	1.5	149.62	12.87	6.43	0.0	20.0	0.0	140.9	52.6
28	1.49	14.9	1.5	151.33	13.01	6.51	0.0	20.0	0.0	142.4	53.1
29	1.49	15.4	1.5	152.69	13.13	6.57	0.0	20.0	0.0	143.6	53.6
30	1.49	15.8	1.6	153.69	13.22	6.61	0.0	20.0	0.0	144.5	53.9
31	1.49	16.3	1.6	154.34	13.27	6.64	0.0	20.0	0.0	145.0	54.1
32	1.49	16.7	1.6	154.63	13.3	6.65	0.0	20.0	0.0	145.2	54.2
33	1.49	17.1	1.6	154.55	13.29	6.65	0.0	20.0	0.0	145.0	54.1
34	1.49	17.6	1.6	154.12	13.25	6.63	0.0	20.0	0.0	144.6	53.9
35	2.05	18.1	2.2	210.45	18.1	9.05	0.0	20.0	0.0	197.3	73.6
36	0.93	18.5	1.0	94.45	8.12	4.06	0.0	20.0	0.0	88.5	33.0
37	1.49	18.9	1.6	147.4	12.68	6.34	0.0	20.0	0.0	138.2	51.6
38	1.49	19.3	1.6	142.65	12.27	6.13	0.0	20.0	0.0	133.7	49.9
39	1.49	19.8	1.6	137.52	11.83	5.91	0.0	20.0	0.0	128.9	48.1
40	1.49	20.2	1.6	132.01	11.35	5.68	0.0	20.0	0.0	123.7	46.1
41	1.49	20.7	1.6	126.11	10.85	5.42	0.0	20.0	0.0	118.2	44.1
42	1.49	21.1	1.6	119.82	10.3	5.15	0.0	20.0	0.0	112.3	41.9
43	1.49	21.5	1.6	113.14	9.73	4.87	0.0	20.0	0.0	106.0	39.6
44	1.25	22.0	1.4	89.56	7.7	3.85	0.0	20.0	0.0	83.9	31.3
45	1.73	22.4	1.9	109.63	9.43	4.71	0.0	20.0	0.0	102.8	38.3
46	1.49	22.9	1.6	77.2	6.64	3.32	0.0	20.0	0.0	72.4	27.0
47	1.49	23.4	1.6	60.77	5.23	2.61	0.0	20.0	0.0	57.0	21.3
48	1.49	23.8	1.6	43.93	3.78	1.89	0.0	20.0	0.0	41.2	15.4
49	1.49	24.3	1.6	26.67	2.29	1.15	0.0	20.0	0.0	25.0	9.3
50	1.49	24.7	1.6	9.0	0.77	0.39	0.0	20.0	0.0	8.5	3.2

1.29		1.02		0.91		0.98		1.29		1.18		1.52		1.46		1.44		2.76	
1.31	1.09	1.03	0.96	0.91	1.21	0.96	1.03	1.28	1.54	1.18	1.34	1.53	1.49	1.47	1.45	1.44	1.44	1.52	
1.33	1.1	1.04	0.96	0.91	1.1	0.94	1	1.27	1.59	1.21	1.32	1.54	1.5	1.48	1.46	1.46	1.44	1.7	
1.35	1.11	1.04	0.97	0.91	0.93	0.93	0.97	1.24	1.61	1.25	1.28	1.5	1.51	1.49	1.48	1.48	1.45	1.58	
1.37	1.12	1.04	0.97	0.9	0.92	0.93	1.55	1.24	1.63	1.28	1.2	1.5	1.52	1.49	1.5	1.48	1.47	1.58	2.39
1.4	1.14	1.05	0.97	0.9	0.92	0.92	1.5	1.21	1.69	1.28	1.15	1.47	1.53	1.51	1.5	1.5	1.5	1.46	1.5
1.4	1.16	1.07	0.98	1.16	0.92	0.91	1.45	1.18	1.71	1.3	1.08	1.46	1.54	1.53	1.54	1.53	1.52	1.5	1.47
1.42	1.16	1.09	0.98	1.13	0.92	0.9	1.45	1.14	1.71	1.33	1.08	1.43	1.54	1.53	1.54	1.56	1.52	1.47	1.63
1.43	1.53	1.09	1	1.1	0.92	0.9	1.38	1.14	1.73	1.33	1.06	1.43	1.55	1.55	1.55	1.56	1.55	1.53	1.53
1.43	1.48	1.09	1	1.1	0.92	0.9	1.38	1.11	1.73	1.33	1.06	1.43	1.55	1.55	1.55	1.56	1.55	1.53	1.53
1.45	1.48	1.1	1.54	1.01	0.93	0.9	1.32	1.07	1.71	1.69	1.1	1.42	1.57	1.55	1.59	1.58	1.58	1.52	1.53
1.45	1.38	1.1	1.48	1.01	0.93	0.9	1.32	1.07	1.71	1.69	1.1	1.43	1.57	1.56	1.59	1.63	1.58	1.59	1.53
1.47	1.38	1.11	1.48	0.99	0.93	0.9	1.17	1.07	1.71	1.69	1.14	1.43	1.55	1.56	1.62	1.62	1.62	1.58	1.59
1.47	1.32	1.11	1.47	0.99	0.93	0.9	0.95	1.04	1.71	1.69	1.14	1.4	1.55	1.59	1.62	1.67	1.65	1.58	1.59
1.49	1.32	1.11	1.47	0.99	0.93	0.9	0.95	1	1.71	1.77	1.37	1.38	1.51	1.59	1.65	1.67	1.65	1.64	1.67

- Coltre di frana  
 Peso unità di volume 19.6kN/m<sup>3</sup>  
 Angolo di resistenza a taglio 20°  
 Coesione 0 kN/m<sup>2</sup>
  
- UG1  
 Peso unità di volume 19.6kN/m<sup>3</sup>  
 Angolo di resistenza a taglio 25.4°  
 Coesione 18.12 kN/m<sup>2</sup>



SEZIONE 1 ANTE / POST OPERAM (sup con fattore inferiore a 1.1)

**2 Analisi di stabilità dei pendii con BISHOP lungo la Sezione 2 Ante e Post operam (superfici con fattore di sicurezza inferiore a 1.1)**

=====	
Calcolo eseguito secondo	Utente
Numero di strati	2.0
Numero dei conci	50.0
Grado di sicurezza ritenuto accettabile	1.1
Coefficiente parziale resistenza	1.0
Analisi	Condizione drenata
Superficie di forma circolare	
=====	

**Maglia dei Centri**

=====	
Ascissa vertice sinistro inferiore xi	41.05 m
Ordinata vertice sinistro inferiore yi	160.02 m
Ascissa vertice destro superiore xs	456.02 m
Ordinata vertice destro superiore ys	312.13 m
Passo di ricerca	10.0
Numero di celle lungo x	10.0
Numero di celle lungo y	10.0
=====	

**Sisma**

=====	
Coefficiente azione sismica orizzontale	0.086
Coefficiente azione sismica verticale	0.043
=====	

**Vertici profilo**

Nr	X (m)	y (m)
1	-6.38	8.19
2	28.81	13.19
3	43.89	14.19
4	71.53	20.19
5	104.21	29.19
6	143.16	39.19
7	165.78	42.19
8	183.38	44.19
9	221.07	55.19
10	253.75	63.19
11	270.08	69.19
12	281.39	72.19
13	292.7	74.19
14	314.07	79.19
15	345.48	89.19
16	366.84	95.19
17	388.21	102.19
18	402.03	107.19
19	417.11	109.19
20	424.65	111.19
21	447.27	119.19
22	456.07	121.19
23	486.23	132.19
24	497.19	136.19

Vertici strato .....1

N	X (m)	y (m)
1	-6.38	8.19
2	28.81	13.19
3	28.81	13.19
4	43.89	14.19
5	71.53	20.19
6	104.21	29.19
7	143.16	39.19
8	180.85	36.78
9	217.29	46.78
10	252.31	56.78
11	262.19	66.29
12	270.08	69.19
13	281.39	72.19
14	292.7	74.19
15	314.07	79.19
16	345.48	89.19
17	366.84	95.19
18	388.21	102.19
19	402.03	107.19
20	417.11	109.19
21	424.65	111.19
22	447.27	119.19
23	456.07	121.19
24	486.23	132.19
25	497.19	136.19

*Coefficienti parziali azioni*

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Sfavorevoli: Permanenti, variabili	1.0	1.0
Favorevoli: Permanenti, variabili	1.0	1.0

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*Coefficienti parziali per i parametri geotecnici del terreno*

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Tangente angolo di resistenza al taglio	1.25
Coesione efficace	1.25
Coesione non drenata	1.4
Riduzione parametri geotecnici terreno	No

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*Stratigrafia*

Strato	Coesione (kN/m <sup>2</sup> )	Coesione non drenata (kN/m <sup>2</sup> )	Angolo resistenza al taglio (°)	Peso unità di volume (kN/m <sup>3</sup> )	Peso unità di volume saturo (kN/m <sup>3</sup> )	Litologia	
1	0		20	19.6		Coltre di Frana	
2	18.12		25.4	19.6		UG1	

*Risultati analisi pendio [Utente]*

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Fs minimo individuato	0.94
Ascissa centro superficie	186.29 m
Ordinata centro superficie	167.63 m

B: Larghezza del concio; Alfa: Angolo di inclinazione della base del concio; Li: Lunghezza della base del concio; Wi: Peso del concio ; Ui: Forze derivanti dalle pressioni neutre; Ni: forze agenti normalmente alla direzione di scivolamento; Ti: forze agenti parallelamente alla superficie di scivolamento; Fi: Angolo di attrito; c: coesione.

$$x_c = 186.288 \quad y_c = 167.626 \quad R_c = 118.345 \quad F_s = 0.944$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.42	10.3	0.4	0.19	0.02	0.01	0.0	20.0	0.0	0.2	0.1
2	0.42	10.5	0.4	0.55	0.05	0.02	0.0	20.0	0.0	0.5	0.2
3	0.42	10.7	0.4	0.91	0.08	0.04	0.0	20.0	0.0	0.9	0.3
4	0.42	10.9	0.4	1.25	0.11	0.05	0.0	20.0	0.0	1.2	0.5
5	0.42	11.1	0.4	1.58	0.14	0.07	0.0	20.0	0.0	1.5	0.6
6	0.42	11.3	0.4	1.89	0.16	0.08	0.0	20.0	0.0	1.8	0.7
7	0.42	11.5	0.4	2.2	0.19	0.09	0.0	20.0	0.0	2.1	0.8
8	0.42	11.7	0.4	2.49	0.21	0.11	0.0	20.0	0.0	2.4	0.9
9	0.42	11.9	0.4	2.77	0.24	0.12	0.0	20.0	0.0	2.6	1.0
10	0.42	12.2	0.4	3.03	0.26	0.13	0.0	20.0	0.0	2.9	1.1
11	0.42	12.4	0.4	3.28	0.28	0.14	0.0	20.0	0.0	3.1	1.2
12	0.42	12.6	0.4	3.52	0.3	0.15	0.0	20.0	0.0	3.3	1.3
13	0.42	12.8	0.4	3.75	0.32	0.16	0.0	20.0	0.0	3.5	1.4
14	0.42	13.0	0.4	3.96	0.34	0.17	0.0	20.0	0.0	3.7	1.4
15	0.42	13.2	0.4	4.17	0.36	0.18	0.0	20.0	0.0	3.9	1.5
16	0.42	13.4	0.4	4.35	0.37	0.19	0.0	20.0	0.0	4.1	1.6
17	0.42	13.6	0.4	4.53	0.39	0.19	0.0	20.0	0.0	4.3	1.6
18	0.42	13.8	0.4	4.69	0.4	0.2	0.0	20.0	0.0	4.4	1.7
19	0.42	14.0	0.4	4.84	0.42	0.21	0.0	20.0	0.0	4.6	1.8
20	0.42	14.2	0.4	4.98	0.43	0.21	0.0	20.0	0.0	4.7	1.8
21	0.42	14.4	0.4	5.1	0.44	0.22	0.0	20.0	0.0	4.8	1.8
22	0.42	14.6	0.4	5.21	0.45	0.22	0.0	20.0	0.0	4.9	1.9
23	0.42	14.8	0.4	5.31	0.46	0.23	0.0	20.0	0.0	5.0	1.9
24	0.42	15.1	0.4	5.39	0.46	0.23	0.0	20.0	0.0	5.1	2.0
25	0.42	15.3	0.4	5.46	0.47	0.23	0.0	20.0	0.0	5.1	2.0
26	0.42	15.5	0.4	5.52	0.47	0.24	0.0	20.0	0.0	5.2	2.0
27	0.42	15.7	0.4	5.56	0.48	0.24	0.0	20.0	0.0	5.2	2.0
28	0.42	15.9	0.4	5.6	0.48	0.24	0.0	20.0	0.0	5.2	2.0
29	0.42	16.1	0.4	5.61	0.48	0.24	0.0	20.0	0.0	5.3	2.0
30	0.42	16.3	0.4	5.62	0.48	0.24	0.0	20.0	0.0	5.3	2.0
31	0.42	16.5	0.4	5.61	0.48	0.24	0.0	20.0	0.0	5.2	2.0
32	0.42	16.7	0.4	5.58	0.48	0.24	0.0	20.0	0.0	5.2	2.0
33	0.52	17.0	0.5	6.87	0.59	0.3	0.0	20.0	0.0	6.4	2.5
34	0.32	17.2	0.3	4.13	0.36	0.18	0.0	20.0	0.0	3.9	1.5
35	0.42	17.4	0.4	5.23	0.45	0.23	0.0	20.0	0.0	4.9	1.9
36	0.42	17.6	0.4	5.0	0.43	0.21	0.0	20.0	0.0	4.7	1.8
37	0.42	17.8	0.4	4.75	0.41	0.2	0.0	20.0	0.0	4.4	1.7
38	0.42	18.0	0.4	4.48	0.39	0.19	0.0	20.0	0.0	4.2	1.6
39	0.42	18.2	0.4	4.21	0.36	0.18	0.0	20.0	0.0	3.9	1.5
40	0.42	18.4	0.4	3.91	0.34	0.17	0.0	20.0	0.0	3.7	1.4
41	0.42	18.6	0.4	3.61	0.31	0.16	0.0	20.0	0.0	3.4	1.3
42	0.42	18.8	0.4	3.29	0.28	0.14	0.0	20.0	0.0	3.1	1.2
43	0.42	19.1	0.4	2.96	0.25	0.13	0.0	20.0	0.0	2.8	1.1

44	0.42	19.3	0.4	2.61	0.22	0.11	0.0	20.0	0.0	2.4	0.9
45	0.42	19.5	0.4	2.25	0.19	0.1	0.0	20.0	0.0	2.1	0.8
46	0.42	19.7	0.4	1.87	0.16	0.08	0.0	20.0	0.0	1.7	0.7
47	0.42	19.9	0.4	1.48	0.13	0.06	0.0	20.0	0.0	1.4	0.5
48	0.42	20.1	0.4	1.07	0.09	0.05	0.0	20.0	0.0	1.0	0.4
49	0.42	20.3	0.4	0.66	0.06	0.03	0.0	20.0	0.0	0.6	0.2
50	0.42	20.6	0.4	0.22	0.02	0.01	0.0	20.0	0.0	0.2	0.1

$$x_c = 207.037 \quad y_c = 160.021 \quad R_c = 109.142 \quad F_s = 1.082$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.16	-0.1	1.2	3.87	0.33	0.17	0.0	20.0	0.0	3.9	1.3
2	1.16	0.5	1.2	11.41	0.98	0.49	0.0	20.0	0.0	11.4	3.8
3	1.16	1.1	1.2	18.67	1.61	0.8	0.0	20.0	0.0	18.5	6.2
4	1.16	1.7	1.2	25.65	2.21	1.1	0.0	20.0	0.0	25.4	8.5
5	1.16	2.4	1.2	32.35	2.78	1.39	0.0	20.0	0.0	31.9	10.7
6	1.16	3.0	1.2	38.78	3.33	1.67	0.0	20.0	0.0	38.2	12.8
7	1.16	3.6	1.2	44.92	3.86	1.93	0.0	20.0	0.0	44.1	14.8
8	1.16	4.2	1.2	50.79	4.37	2.18	0.0	20.0	0.0	49.7	16.7
9	1.16	4.8	1.2	56.38	4.85	2.42	0.0	20.0	0.0	55.0	18.5
10	1.16	5.4	1.2	61.68	5.3	2.65	0.0	20.0	0.0	60.1	20.2
11	1.16	6.0	1.2	66.71	5.74	2.87	0.0	20.0	0.0	64.8	21.8
12	1.16	6.6	1.2	71.46	6.15	3.07	0.0	20.0	0.0	69.2	23.3
13	0.88	7.2	0.9	57.57	4.95	2.48	0.0	20.0	0.0	55.7	18.7
14	1.43	7.8	1.4	97.51	8.39	4.19	0.0	20.0	0.0	94.1	31.7
15	1.16	8.5	1.2	81.85	7.04	3.52	0.0	20.0	0.0	78.8	26.5
16	1.16	9.1	1.2	84.23	7.24	3.62	0.0	20.0	0.0	80.9	27.2
17	1.16	9.7	1.2	86.32	7.42	3.71	0.0	20.0	0.0	82.8	27.9
18	1.16	10.3	1.2	88.12	7.58	3.79	0.0	20.0	0.0	84.4	28.4
19	1.16	10.9	1.2	89.62	7.71	3.85	0.0	20.0	0.0	85.7	28.8
20	1.16	11.5	1.2	90.84	7.81	3.91	0.0	20.0	0.0	86.8	29.2
21	1.16	12.2	1.2	91.76	7.89	3.95	0.0	20.0	0.0	87.5	29.4
22	1.16	12.8	1.2	92.38	7.95	3.97	0.0	20.0	0.0	88.0	29.6
23	1.16	13.4	1.2	92.71	7.97	3.99	0.0	20.0	0.0	88.2	29.7
24	1.16	14.0	1.2	92.73	7.97	3.99	0.0	20.0	0.0	88.2	29.7
25	1.16	14.7	1.2	92.45	7.95	3.98	0.0	20.0	0.0	87.8	29.5
26	1.16	15.3	1.2	91.86	7.9	3.95	0.0	20.0	0.0	87.2	29.3
27	1.16	15.9	1.2	90.96	7.82	3.91	0.0	20.0	0.0	86.3	29.0
28	1.16	16.5	1.2	89.76	7.72	3.86	0.0	20.0	0.0	85.1	28.6
29	1.16	17.2	1.2	88.23	7.59	3.79	0.0	20.0	0.0	83.7	28.1
30	1.16	17.8	1.2	86.39	7.43	3.71	0.0	20.0	0.0	81.9	27.6
31	1.16	18.4	1.2	84.23	7.24	3.62	0.0	20.0	0.0	79.8	26.9
32	1.16	19.1	1.2	81.74	7.03	3.51	0.0	20.0	0.0	77.5	26.1
33	1.16	19.7	1.2	78.93	6.79	3.39	0.0	20.0	0.0	74.8	25.2
34	1.16	20.4	1.2	75.78	6.52	3.26	0.0	20.0	0.0	71.9	24.2
35	1.16	21.0	1.2	72.29	6.22	3.11	0.0	20.0	0.0	68.6	23.1
36	1.16	21.7	1.2	68.47	5.89	2.94	0.0	20.0	0.0	65.0	21.9
37	1.16	22.3	1.2	64.29	5.53	2.76	0.0	20.0	0.0	61.1	20.5
38	1.16	23.0	1.3	59.77	5.14	2.57	0.0	20.0	0.0	56.8	19.1
39	1.16	23.7	1.3	54.89	4.72	2.36	0.0	20.0	0.0	52.2	17.6
40	1.16	24.3	1.3	49.65	4.27	2.14	0.0	20.0	0.0	47.3	15.9
41	1.19	25.0	1.3	45.24	3.89	1.95	0.0	20.0	0.0	43.2	14.5
42	1.12	25.7	1.2	38.39	3.3	1.65	0.0	20.0	0.0	36.7	12.3

43	1.16	26.3	1.3	36.43	3.13	1.57	0.0	20.0	0.0	34.8	11.7
44	1.16	27.0	1.3	32.89	2.83	1.41	0.0	20.0	0.0	31.5	10.6
45	1.16	27.7	1.3	28.97	2.49	1.25	0.0	20.0	0.0	27.8	9.4
46	1.16	28.4	1.3	24.64	2.12	1.06	0.0	20.0	0.0	23.7	8.0
47	1.16	29.1	1.3	19.9	1.71	0.86	0.0	20.0	0.0	19.2	6.5
48	1.16	29.8	1.3	14.75	1.27	0.63	18.12	25.4	0.0	3.4	23.8
49	1.16	30.5	1.3	9.18	0.79	0.39	18.12	25.4	0.0	-2.0	21.6
50	1.16	31.2	1.4	3.17	0.27	0.14	18.12	25.4	0.0	-7.9	19.2

$x_c = 165.54$   $y_c = 175.232$   $R_c = 134.797$   $F_s = 1.078$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.53	-4.0	1.5	4.67	0.4	0.2	0.0	20.0	0.0	4.8	1.6
2	1.53	-3.3	1.5	13.63	1.17	0.59	0.0	20.0	0.0	13.9	4.7
3	1.53	-2.7	1.5	22.06	1.9	0.95	0.0	20.0	0.0	22.4	7.6
4	1.53	-2.0	1.5	29.98	2.58	1.29	0.0	20.0	0.0	30.4	10.3
5	1.53	-1.4	1.5	37.38	3.22	1.61	0.0	20.0	0.0	37.7	12.7
6	1.53	-0.7	1.5	44.27	3.81	1.9	0.0	20.0	0.0	44.5	15.0
7	1.19	-0.2	1.2	39.11	3.36	1.68	0.0	20.0	0.0	39.1	13.2
8	1.86	0.5	1.9	67.39	5.8	2.9	0.0	20.0	0.0	67.2	22.7
9	1.53	1.2	1.5	60.35	5.19	2.59	0.0	20.0	0.0	59.9	20.2
10	1.53	1.9	1.5	64.3	5.53	2.77	0.0	20.0	0.0	63.6	21.5
11	1.53	2.5	1.5	67.75	5.83	2.91	0.0	20.0	0.0	66.8	22.6
12	1.53	3.2	1.5	70.67	6.08	3.04	0.0	20.0	0.0	69.5	23.5
13	1.53	3.8	1.5	73.07	6.28	3.14	0.0	20.0	0.0	71.6	24.2
14	1.53	4.5	1.5	74.96	6.45	3.22	0.0	20.0	0.0	73.3	24.7
15	1.53	5.1	1.5	76.32	6.56	3.28	0.0	20.0	0.0	74.4	25.1
16	1.53	5.8	1.5	77.16	6.64	3.32	0.0	20.0	0.0	75.0	25.3
17	1.53	6.4	1.5	77.48	6.66	3.33	0.0	20.0	0.0	75.1	25.4
18	2.01	7.2	2.0	101.67	8.74	4.37	0.0	20.0	0.0	98.3	33.2
19	1.04	7.8	1.1	54.06	4.65	2.32	0.0	20.0	0.0	52.1	17.6
20	1.53	8.4	1.5	84.88	7.3	3.65	0.0	20.0	0.0	81.7	27.6
21	1.53	9.0	1.5	91.21	7.84	3.92	0.0	20.0	0.0	87.6	29.6
22	1.53	9.7	1.5	96.99	8.34	4.17	0.0	20.0	0.0	93.0	31.4
23	1.53	10.3	1.6	102.24	8.79	4.4	0.0	20.0	0.0	97.9	33.0
24	1.53	11.0	1.6	106.95	9.2	4.6	0.0	20.0	0.0	102.2	34.5
25	1.53	11.7	1.6	111.11	9.56	4.78	0.0	20.0	0.0	106.1	35.8
26	1.53	12.3	1.6	114.72	9.87	4.93	0.0	20.0	0.0	109.4	36.9
27	1.53	13.0	1.6	117.78	10.13	5.06	0.0	20.0	0.0	112.1	37.9
28	1.53	13.7	1.6	120.28	10.34	5.17	0.0	20.0	0.0	114.4	38.6
29	1.53	14.3	1.6	122.22	10.51	5.26	0.0	20.0	0.0	116.1	39.2
30	1.53	15.0	1.6	123.59	10.63	5.31	0.0	20.0	0.0	117.3	39.6
31	1.53	15.7	1.6	124.39	10.7	5.35	0.0	20.0	0.0	118.0	39.8
32	1.53	16.3	1.6	124.6	10.72	5.36	0.0	20.0	0.0	118.2	39.9
33	1.53	17.0	1.6	124.24	10.68	5.34	0.0	20.0	0.0	117.8	39.8
34	1.53	17.7	1.6	123.29	10.6	5.3	0.0	20.0	0.0	116.8	39.4
35	1.53	18.4	1.6	121.74	10.47	5.23	0.0	20.0	0.0	115.3	38.9
36	1.53	19.1	1.6	119.58	10.28	5.14	0.0	20.0	0.0	113.3	38.2
37	1.53	19.8	1.6	116.82	10.05	5.02	0.0	20.0	0.0	110.7	37.4
38	1.53	20.4	1.6	113.43	9.75	4.88	0.0	20.0	0.0	107.5	36.3
39	1.53	21.1	1.6	109.42	9.41	4.7	0.0	20.0	0.0	103.8	35.0
40	1.53	21.8	1.6	104.77	9.01	4.51	0.0	20.0	0.0	99.4	33.6
41	1.53	22.5	1.7	99.48	8.55	4.28	0.0	20.0	0.0	94.5	31.9

42	1.53	23.2	1.7	93.53	8.04	4.02	0.0	20.0	0.0	88.9	30.0
43	1.58	24.0	1.7	89.71	7.72	3.86	0.0	20.0	0.0	85.4	28.8
44	1.47	24.7	1.6	75.83	6.52	3.26	0.0	20.0	0.0	72.2	24.4
45	1.53	25.4	1.7	68.51	5.89	2.95	0.0	20.0	0.0	65.4	22.1
46	1.53	26.1	1.7	57.69	4.96	2.48	0.0	20.0	0.0	55.1	18.6
47	1.53	26.8	1.7	46.16	3.97	1.99	0.0	20.0	0.0	44.2	14.9
48	1.53	27.6	1.7	33.91	2.92	1.46	0.0	20.0	0.0	32.5	11.0
49	1.53	28.3	1.7	20.91	1.8	0.9	0.0	20.0	0.0	20.1	6.8
50	1.53	29.0	1.7	7.16	0.62	0.31	0.0	20.0	0.0	6.9	2.3

$x_c = 186.288$   $y_c = 182.838$   $R_c = 133.477$   $F_s = 0.973$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.58	8.7	0.6	0.46	0.04	0.02	0.0	20.0	0.0	0.4	0.2
2	0.58	9.0	0.6	1.35	0.12	0.06	0.0	20.0	0.0	1.3	0.5
3	0.58	9.2	0.6	2.21	0.19	0.1	0.0	20.0	0.0	2.1	0.8
4	0.58	9.5	0.6	3.05	0.26	0.13	0.0	20.0	0.0	2.9	1.1
5	0.58	9.7	0.6	3.85	0.33	0.17	0.0	20.0	0.0	3.7	1.4
6	0.58	10.0	0.6	4.62	0.4	0.2	0.0	20.0	0.0	4.4	1.6
7	0.58	10.2	0.6	5.37	0.46	0.23	0.0	20.0	0.0	5.1	1.9
8	0.58	10.5	0.6	6.08	0.52	0.26	0.0	20.0	0.0	5.8	2.2
9	0.58	10.7	0.6	6.77	0.58	0.29	0.0	20.0	0.0	6.4	2.4
10	0.58	11.0	0.6	7.42	0.64	0.32	0.0	20.0	0.0	7.0	2.6
11	0.58	11.3	0.6	8.04	0.69	0.35	0.0	20.0	0.0	7.6	2.9
12	0.58	11.5	0.6	8.64	0.74	0.37	0.0	20.0	0.0	8.2	3.1
13	0.58	11.8	0.6	9.2	0.79	0.4	0.0	20.0	0.0	8.7	3.3
14	0.58	12.0	0.6	9.74	0.84	0.42	0.0	20.0	0.0	9.2	3.5
15	0.58	12.3	0.6	10.24	0.88	0.44	0.0	20.0	0.0	9.7	3.6
16	0.58	12.5	0.6	10.71	0.92	0.46	0.0	20.0	0.0	10.1	3.8
17	0.58	12.8	0.6	11.15	0.96	0.48	0.0	20.0	0.0	10.5	3.9
18	0.58	13.0	0.6	11.57	0.99	0.5	0.0	20.0	0.0	10.9	4.1
19	0.58	13.3	0.6	11.95	1.03	0.51	0.0	20.0	0.0	11.3	4.2
20	0.58	13.5	0.6	12.3	1.06	0.53	0.0	20.0	0.0	11.6	4.3
21	0.58	13.8	0.6	12.61	1.08	0.54	0.0	20.0	0.0	11.9	4.5
22	0.58	14.1	0.6	12.9	1.11	0.55	0.0	20.0	0.0	12.2	4.6
23	0.58	14.3	0.6	13.16	1.13	0.57	0.0	20.0	0.0	12.4	4.6
24	0.58	14.6	0.6	13.38	1.15	0.58	0.0	20.0	0.0	12.6	4.7
25	0.58	14.8	0.6	13.58	1.17	0.58	0.0	20.0	0.0	12.8	4.8
26	0.35	15.0	0.4	8.21	0.71	0.35	0.0	20.0	0.0	7.7	2.9
27	0.81	15.3	0.8	19.1	1.64	0.82	0.0	20.0	0.0	18.0	6.7
28	0.58	15.6	0.6	13.38	1.15	0.58	0.0	20.0	0.0	12.6	4.7
29	0.58	15.9	0.6	13.14	1.13	0.57	0.0	20.0	0.0	12.3	4.6
30	0.58	16.1	0.6	12.87	1.11	0.55	0.0	20.0	0.0	12.1	4.5
31	0.58	16.4	0.6	12.56	1.08	0.54	0.0	20.0	0.0	11.8	4.4
32	0.58	16.6	0.6	12.23	1.05	0.53	0.0	20.0	0.0	11.5	4.3
33	0.58	16.9	0.6	11.86	1.02	0.51	0.0	20.0	0.0	11.1	4.2
34	0.58	17.2	0.6	11.46	0.99	0.49	0.0	20.0	0.0	10.7	4.0
35	0.58	17.4	0.6	11.02	0.95	0.47	0.0	20.0	0.0	10.3	3.9
36	0.58	17.7	0.6	10.55	0.91	0.45	0.0	20.0	0.0	9.9	3.7
37	0.58	17.9	0.6	10.05	0.86	0.43	0.0	20.0	0.0	9.4	3.5
38	0.58	18.2	0.6	9.52	0.82	0.41	0.0	20.0	0.0	8.9	3.3
39	0.58	18.5	0.6	8.95	0.77	0.38	0.0	20.0	0.0	8.4	3.1
40	0.58	18.7	0.6	8.35	0.72	0.36	0.0	20.0	0.0	7.8	2.9



41	0.58	19.0	0.6	7.72	0.66	0.33	0.0	20.0	0.0	7.2	2.7
42	0.58	19.2	0.6	7.05	0.61	0.3	0.0	20.0	0.0	6.6	2.5
43	0.58	19.5	0.6	6.35	0.55	0.27	0.0	20.0	0.0	5.9	2.2
44	0.58	19.8	0.6	5.62	0.48	0.24	0.0	20.0	0.0	5.3	2.0
45	0.58	20.0	0.6	4.85	0.42	0.21	0.0	20.0	0.0	4.5	1.7
46	0.58	20.3	0.6	4.04	0.35	0.17	0.0	20.0	0.0	3.8	1.4
47	0.58	20.6	0.6	3.21	0.28	0.14	0.0	20.0	0.0	3.0	1.1
48	0.58	20.8	0.6	2.33	0.2	0.1	0.0	20.0	0.0	2.2	0.8
49	0.58	21.1	0.6	1.43	0.12	0.06	0.0	20.0	0.0	1.3	0.5
50	0.58	21.4	0.6	0.48	0.04	0.02	0.0	20.0	0.0	0.5	0.2

$x_c = 165.54$   $y_c = 190.443$   $R_c = 149.943$   $F_s = 1.061$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.66	-3.5	1.7	5.3	0.46	0.23	0.0	20.0	0.0	5.4	1.9
2	1.66	-2.9	1.7	15.44	1.33	0.66	0.0	20.0	0.0	15.7	5.4
3	1.66	-2.2	1.7	24.99	2.15	1.07	0.0	20.0	0.0	25.3	8.7
4	1.66	-1.6	1.7	33.94	2.92	1.46	0.0	20.0	0.0	34.3	11.8
5	1.66	-1.0	1.7	42.29	3.64	1.82	0.0	20.0	0.0	42.5	14.6
6	1.91	-0.3	1.9	58.37	5.02	2.51	0.0	20.0	0.0	58.5	20.1
7	1.4	0.4	1.4	48.5	4.17	2.09	0.0	20.0	0.0	48.4	16.6
8	1.66	0.9	1.7	62.38	5.36	2.68	0.0	20.0	0.0	62.0	21.3
9	1.66	1.6	1.7	67.32	5.79	2.89	0.0	20.0	0.0	66.7	22.9
10	1.66	2.2	1.7	71.67	6.16	3.08	0.0	20.0	0.0	70.8	24.3
11	1.66	2.8	1.7	75.41	6.49	3.24	0.0	20.0	0.0	74.2	25.5
12	1.66	3.5	1.7	78.56	6.76	3.38	0.0	20.0	0.0	77.1	26.4
13	1.66	4.1	1.7	81.11	6.98	3.49	0.0	20.0	0.0	79.4	27.2
14	1.66	4.8	1.7	83.05	7.14	3.57	0.0	20.0	0.0	81.0	27.8
15	1.66	5.4	1.7	84.4	7.26	3.63	0.0	20.0	0.0	82.1	28.2
16	1.66	6.0	1.7	85.14	7.32	3.66	0.0	20.0	0.0	82.6	28.3
17	1.26	6.6	1.3	64.77	5.57	2.79	0.0	20.0	0.0	62.7	21.5
18	2.06	7.2	2.1	112.69	9.69	4.85	0.0	20.0	0.0	108.9	37.3
19	1.66	7.9	1.7	100.42	8.64	4.32	0.0	20.0	0.0	96.8	33.2
20	1.66	8.6	1.7	108.32	9.32	4.66	0.0	20.0	0.0	104.2	35.7
21	1.66	9.2	1.7	115.61	9.94	4.97	0.0	20.0	0.0	110.9	38.1
22	1.66	9.9	1.7	122.28	10.52	5.26	0.0	20.0	0.0	117.1	40.2
23	1.66	10.5	1.7	128.32	11.04	5.52	0.0	20.0	0.0	122.7	42.1
24	1.66	11.2	1.7	133.73	11.5	5.75	0.0	20.0	0.0	127.7	43.8
25	1.66	11.8	1.7	138.51	11.91	5.96	0.0	20.0	0.0	132.0	45.3
26	1.66	12.5	1.7	142.66	12.27	6.13	0.0	20.0	0.0	135.8	46.6
27	1.66	13.1	1.7	146.16	12.57	6.29	0.0	20.0	0.0	139.0	47.7
28	1.66	13.8	1.7	149.02	12.82	6.41	0.0	20.0	0.0	141.5	48.6
29	1.66	14.4	1.7	151.23	13.01	6.5	0.0	20.0	0.0	143.5	49.2
30	1.66	15.1	1.7	152.78	13.14	6.57	0.0	20.0	0.0	144.8	49.7
31	1.66	15.7	1.7	153.67	13.22	6.61	0.0	20.0	0.0	145.6	49.9
32	1.66	16.4	1.7	153.89	13.23	6.62	0.0	20.0	0.0	145.7	50.0
33	1.66	17.0	1.7	153.43	13.2	6.6	0.0	20.0	0.0	145.2	49.8
34	1.66	17.7	1.7	152.3	13.1	6.55	0.0	20.0	0.0	144.1	49.4
35	1.66	18.4	1.7	150.47	12.94	6.47	0.0	20.0	0.0	142.3	48.8
36	1.66	19.0	1.8	147.94	12.72	6.36	0.0	20.0	0.0	139.9	48.0
37	1.66	19.7	1.8	144.71	12.44	6.22	0.0	20.0	0.0	136.9	47.0
38	1.66	20.4	1.8	140.76	12.11	6.05	0.0	20.0	0.0	133.2	45.7
39	2.47	21.2	2.6	200.49	17.24	8.62	0.0	20.0	0.0	189.8	65.1

40	0.85	21.9	0.9	65.99	5.67	2.84	0.0	20.0	0.0	62.5	21.4
41	1.66	22.4	1.8	121.97	10.49	5.24	0.0	20.0	0.0	115.6	39.6
42	1.66	23.1	1.8	112.53	9.68	4.84	0.0	20.0	0.0	106.7	36.6
43	1.66	23.8	1.8	102.33	8.8	4.4	0.0	20.0	0.0	97.1	33.3
44	1.66	24.5	1.8	91.34	7.86	3.93	0.0	20.0	0.0	86.8	29.8
45	1.66	25.2	1.8	79.57	6.84	3.42	0.0	20.0	0.0	75.7	26.0
46	1.66	25.9	1.8	66.99	5.76	2.88	0.0	20.0	0.0	63.8	21.9
47	1.66	26.6	1.9	53.58	4.61	2.3	0.0	20.0	0.0	51.1	17.5
48	1.66	27.3	1.9	39.35	3.38	1.69	0.0	20.0	0.0	37.6	12.9
49	1.66	28.0	1.9	24.26	2.09	1.04	0.0	20.0	0.0	23.2	8.0
50	1.66	28.8	1.9	8.31	0.71	0.36	0.0	20.0	0.0	8.0	2.7

$x_c = 186.288$   $y_c = 198.049$   $R_c = 148.609$   $F_s = 0.991$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.73	7.7	0.7	0.82	0.07	0.04	0.0	20.0	0.0	0.8	0.3
2	0.73	8.0	0.7	2.43	0.21	0.1	0.0	20.0	0.0	2.3	0.9
3	0.73	8.2	0.7	3.98	0.34	0.17	0.0	20.0	0.0	3.8	1.4
4	0.73	8.5	0.7	5.48	0.47	0.24	0.0	20.0	0.0	5.3	1.9
5	0.73	8.8	0.7	6.93	0.6	0.3	0.0	20.0	0.0	6.6	2.4
6	0.73	9.1	0.7	8.32	0.72	0.36	0.0	20.0	0.0	8.0	2.9
7	0.73	9.4	0.7	9.66	0.83	0.42	0.0	20.0	0.0	9.2	3.4
8	0.73	9.7	0.7	10.95	0.94	0.47	0.0	20.0	0.0	10.5	3.8
9	0.73	10.0	0.7	12.19	1.05	0.52	0.0	20.0	0.0	11.6	4.3
10	0.73	10.2	0.7	13.37	1.15	0.57	0.0	20.0	0.0	12.7	4.7
11	0.73	10.5	0.7	14.5	1.25	0.62	0.0	20.0	0.0	13.8	5.1
12	0.73	10.8	0.7	15.58	1.34	0.67	0.0	20.0	0.0	14.8	5.4
13	0.73	11.1	0.7	16.6	1.43	0.71	0.0	20.0	0.0	15.8	5.8
14	0.73	11.4	0.7	17.57	1.51	0.76	0.0	20.0	0.0	16.7	6.1
15	0.73	11.7	0.7	18.48	1.59	0.79	0.0	20.0	0.0	17.5	6.4
16	0.73	12.0	0.7	19.34	1.66	0.83	0.0	20.0	0.0	18.3	6.7
17	0.73	12.2	0.7	20.14	1.73	0.87	0.0	20.0	0.0	19.1	7.0
18	0.73	12.5	0.7	20.89	1.8	0.9	0.0	20.0	0.0	19.8	7.3
19	0.73	12.8	0.7	21.59	1.86	0.93	0.0	20.0	0.0	20.4	7.5
20	0.73	13.1	0.7	22.23	1.91	0.96	0.0	20.0	0.0	21.0	7.7
21	0.73	13.4	0.7	22.73	1.95	0.98	0.0	20.0	0.0	21.5	7.9
22	0.73	13.7	0.8	23.19	1.99	1.0	0.0	20.0	0.0	21.9	8.0
23	0.73	14.0	0.8	23.09	1.99	0.99	0.0	20.0	0.0	21.8	8.0
24	0.73	14.3	0.8	23.02	1.98	0.99	0.0	20.0	0.0	21.7	8.0
25	0.73	14.6	0.8	22.89	1.97	0.98	0.0	20.0	0.0	21.6	7.9
26	0.73	14.8	0.8	22.71	1.95	0.98	0.0	20.0	0.0	21.4	7.9
27	0.73	15.1	0.8	22.47	1.93	0.97	0.0	20.0	0.0	21.2	7.8
28	0.73	15.4	0.8	22.18	1.91	0.95	0.0	20.0	0.0	20.9	7.7
29	0.73	15.7	0.8	21.83	1.88	0.94	0.0	20.0	0.0	20.6	7.5
30	0.73	16.0	0.8	21.42	1.84	0.92	0.0	20.0	0.0	20.2	7.4
31	0.73	16.3	0.8	20.95	1.8	0.9	0.0	20.0	0.0	19.7	7.2
32	0.73	16.6	0.8	20.43	1.76	0.88	0.0	20.0	0.0	19.2	7.1
33	0.73	16.9	0.8	19.85	1.71	0.85	0.0	20.0	0.0	18.7	6.9
34	0.73	17.2	0.8	19.21	1.65	0.83	0.0	20.0	0.0	18.1	6.6
35	0.73	17.5	0.8	18.51	1.59	0.8	0.0	20.0	0.0	17.4	6.4
36	0.73	17.8	0.8	17.76	1.53	0.76	0.0	20.0	0.0	16.7	6.1
37	0.73	18.1	0.8	16.94	1.46	0.73	0.0	20.0	0.0	15.9	5.8
38	0.73	18.4	0.8	16.07	1.38	0.69	0.0	20.0	0.0	15.1	5.5

39	0.73	18.7	0.8	15.13	1.3	0.65	0.0	20.0	0.0	14.2	5.2
40	0.73	19.0	0.8	14.14	1.22	0.61	0.0	20.0	0.0	13.3	4.9
41	0.73	19.2	0.8	13.08	1.13	0.56	0.0	20.0	0.0	12.3	4.5
42	0.73	19.5	0.8	11.97	1.03	0.51	0.0	20.0	0.0	11.2	4.1
43	0.73	19.8	0.8	10.79	0.93	0.46	0.0	20.0	0.0	10.1	3.7
44	0.73	20.1	0.8	9.56	0.82	0.41	0.0	20.0	0.0	9.0	3.3
45	0.73	20.4	0.8	8.26	0.71	0.36	0.0	20.0	0.0	7.8	2.8
46	0.73	20.7	0.8	6.9	0.59	0.3	0.0	20.0	0.0	6.5	2.4
47	0.73	21.0	0.8	5.48	0.47	0.24	0.0	20.0	0.0	5.1	1.9
48	0.73	21.3	0.8	3.99	0.34	0.17	0.0	20.0	0.0	3.7	1.4
49	0.73	21.6	0.8	2.44	0.21	0.1	0.0	20.0	0.0	2.3	0.8
50	0.73	21.9	0.8	0.83	0.07	0.04	0.0	20.0	0.0	0.8	0.3

$x_c = 165.54$   $y_c = 205.654$   $R_c = 165.088$   $F_s = 1.051$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.79	-3.1	1.8	5.95	0.51	0.26	0.0	20.0	0.0	6.1	2.1
2	1.79	-2.5	1.8	17.34	1.49	0.75	0.0	20.0	0.0	17.6	6.1
3	1.79	-1.8	1.8	28.04	2.41	1.21	0.0	20.0	0.0	28.4	9.8
4	1.79	-1.2	1.8	38.06	3.27	1.64	0.0	20.0	0.0	38.3	13.3
5	1.79	-0.6	1.8	47.39	4.08	2.04	0.0	20.0	0.0	47.6	16.5
6	1.07	-0.1	1.1	32.36	2.78	1.39	0.0	20.0	0.0	32.4	11.2
7	2.52	0.5	2.5	86.55	7.44	3.72	0.0	20.0	0.0	86.3	29.9
8	1.79	1.3	1.8	69.04	5.94	2.97	0.0	20.0	0.0	68.5	23.7
9	1.79	1.9	1.8	74.45	6.4	3.2	0.0	20.0	0.0	73.7	25.5
10	1.79	2.5	1.8	79.18	6.81	3.4	0.0	20.0	0.0	78.1	27.0
11	1.79	3.1	1.8	83.23	7.16	3.58	0.0	20.0	0.0	81.8	28.3
12	1.79	3.8	1.8	86.59	7.45	3.72	0.0	20.0	0.0	84.9	29.4
13	1.79	4.4	1.8	89.27	7.68	3.84	0.0	20.0	0.0	87.2	30.2
14	1.79	5.0	1.8	91.26	7.85	3.92	0.0	20.0	0.0	88.9	30.8
15	2.54	5.8	2.6	131.48	11.31	5.65	0.0	20.0	0.0	127.7	44.2
16	1.04	6.4	1.0	56.15	4.83	2.41	0.0	20.0	0.0	54.4	18.8
17	1.79	6.9	1.8	105.19	9.05	4.52	0.0	20.0	0.0	101.7	35.2
18	1.79	7.5	1.8	115.6	9.94	4.97	0.0	20.0	0.0	111.5	38.6
19	1.79	8.1	1.8	125.31	10.78	5.39	0.0	20.0	0.0	120.6	41.8
20	1.79	8.8	1.8	134.32	11.55	5.78	0.0	20.0	0.0	129.0	44.7
21	1.79	9.4	1.8	142.62	12.27	6.13	0.0	20.0	0.0	136.7	47.3
22	1.79	10.0	1.8	150.21	12.92	6.46	0.0	20.0	0.0	143.7	49.8
23	1.79	10.7	1.8	157.09	13.51	6.75	0.0	20.0	0.0	150.1	52.0
24	1.79	11.3	1.8	163.25	14.04	7.02	0.0	20.0	0.0	155.7	53.9
25	1.79	11.9	1.8	168.68	14.51	7.25	0.0	20.0	0.0	160.7	55.6
26	1.79	12.6	1.8	173.39	14.91	7.46	0.0	20.0	0.0	164.9	57.1
27	1.79	13.2	1.8	177.36	15.25	7.63	0.0	20.0	0.0	168.5	58.3
28	1.79	13.8	1.8	180.6	15.53	7.77	0.0	20.0	0.0	171.4	59.3
29	1.79	14.5	1.8	183.08	15.75	7.87	0.0	20.0	0.0	173.6	60.1
30	1.79	15.1	1.9	184.82	15.89	7.95	0.0	20.0	0.0	175.1	60.6
31	1.79	15.8	1.9	185.8	15.98	7.99	0.0	20.0	0.0	175.9	60.9
32	1.79	16.4	1.9	186.02	16.0	8.0	0.0	20.0	0.0	176.0	60.9
33	1.79	17.1	1.9	185.46	15.95	7.97	0.0	20.0	0.0	175.4	60.7
34	1.79	17.7	1.9	184.11	15.83	7.92	0.0	20.0	0.0	174.0	60.3
35	1.79	18.4	1.9	181.99	15.65	7.83	0.0	20.0	0.0	172.0	59.5
36	2.63	19.2	2.8	261.28	22.47	11.24	0.0	20.0	0.0	246.9	85.5
37	0.96	19.8	1.0	92.72	7.97	3.99	0.0	20.0	0.0	87.6	30.3

38	1.79	20.3	1.9	167.72	14.42	7.21	0.0	20.0	0.0	158.5	54.9
39	1.79	21.0	1.9	159.39	13.71	6.85	0.0	20.0	0.0	150.7	52.2
40	1.79	21.7	1.9	150.22	12.92	6.46	0.0	20.0	0.0	142.1	49.2
41	1.79	22.3	1.9	140.2	12.06	6.03	0.0	20.0	0.0	132.7	45.9
42	1.79	23.0	1.9	129.32	11.12	5.56	0.0	20.0	0.0	122.5	42.4
43	1.79	23.7	2.0	117.56	10.11	5.06	0.0	20.0	0.0	111.4	38.6
44	1.79	24.4	2.0	104.92	9.02	4.51	0.0	20.0	0.0	99.6	34.5
45	1.79	25.1	2.0	91.37	7.86	3.93	0.0	20.0	0.0	86.8	30.1
46	1.79	25.7	2.0	76.9	6.61	3.31	0.0	20.0	0.0	73.2	25.3
47	1.79	26.4	2.0	61.5	5.29	2.64	0.0	20.0	0.0	58.6	20.3
48	1.79	27.1	2.0	45.15	3.88	1.94	0.0	20.0	0.0	43.1	14.9
49	1.79	27.8	2.0	27.83	2.39	1.2	0.0	20.0	0.0	26.6	9.2
50	1.79	28.5	2.0	9.53	0.82	0.41	0.0	20.0	0.0	9.1	3.2

$x_c = 186.288$   $y_c = 213.26$   $R_c = 163.741$   $F_s = 1.005$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.87	6.9	0.9	1.28	0.11	0.06	0.0	20.0	0.0	1.2	0.4
2	0.87	7.2	0.9	3.78	0.32	0.16	0.0	20.0	0.0	3.6	1.3
3	0.87	7.5	0.9	6.19	0.53	0.27	0.0	20.0	0.0	6.0	2.2
4	0.87	7.8	0.9	8.53	0.73	0.37	0.0	20.0	0.0	8.2	3.0
5	0.87	8.1	0.9	10.78	0.93	0.46	0.0	20.0	0.0	10.4	3.8
6	0.87	8.4	0.9	12.96	1.11	0.56	0.0	20.0	0.0	12.4	4.5
7	0.87	8.8	0.9	15.05	1.29	0.65	0.0	20.0	0.0	14.4	5.2
8	0.87	9.1	0.9	17.06	1.47	0.73	0.0	20.0	0.0	16.3	5.9
9	0.87	9.4	0.9	18.98	1.63	0.82	0.0	20.0	0.0	18.2	6.6
10	0.87	9.7	0.9	20.83	1.79	0.9	0.0	20.0	0.0	19.9	7.2
11	0.87	10.0	0.9	22.59	1.94	0.97	0.0	20.0	0.0	21.6	7.8
12	0.87	10.3	0.9	24.27	2.09	1.04	0.0	20.0	0.0	23.1	8.4
13	0.87	10.6	0.9	25.86	2.22	1.11	0.0	20.0	0.0	24.6	8.9
14	0.87	10.9	0.9	27.37	2.35	1.18	0.0	20.0	0.0	26.1	9.4
15	0.87	11.2	0.9	28.8	2.48	1.24	0.0	20.0	0.0	27.4	9.9
16	0.87	11.5	0.9	30.15	2.59	1.3	0.0	20.0	0.0	28.7	10.4
17	0.87	11.9	0.9	31.41	2.7	1.35	0.0	20.0	0.0	29.8	10.8
18	0.71	12.1	0.7	26.58	2.29	1.14	0.0	20.0	0.0	25.2	9.1
19	1.03	12.5	1.1	39.19	3.37	1.69	0.0	20.0	0.0	37.2	13.5
20	0.87	12.8	0.9	33.51	2.88	1.44	0.0	20.0	0.0	31.7	11.5
21	0.87	13.1	0.9	33.73	2.9	1.45	0.0	20.0	0.0	31.9	11.6
22	0.87	13.4	0.9	33.87	2.91	1.46	0.0	20.0	0.0	32.0	11.6
23	0.87	13.7	0.9	33.92	2.92	1.46	0.0	20.0	0.0	32.1	11.6
24	0.87	14.0	0.9	33.88	2.91	1.46	0.0	20.0	0.0	32.0	11.6
25	0.87	14.4	0.9	33.76	2.9	1.45	0.0	20.0	0.0	31.9	11.6
26	0.87	14.7	0.9	33.55	2.89	1.44	0.0	20.0	0.0	31.7	11.5
27	0.87	15.0	0.9	33.25	2.86	1.43	0.0	20.0	0.0	31.4	11.4
28	0.87	15.3	0.9	32.87	2.83	1.41	0.0	20.0	0.0	31.0	11.2
29	0.87	15.6	0.9	32.4	2.79	1.39	0.0	20.0	0.0	30.5	11.1
30	0.87	15.9	0.9	31.83	2.74	1.37	0.0	20.0	0.0	30.0	10.9
31	0.87	16.3	0.9	31.18	2.68	1.34	0.0	20.0	0.0	29.4	10.6
32	0.87	16.6	0.9	30.44	2.62	1.31	0.0	20.0	0.0	28.7	10.4
33	0.87	16.9	0.9	29.61	2.55	1.27	0.0	20.0	0.0	27.9	10.1
34	0.87	17.2	0.9	28.69	2.47	1.23	0.0	20.0	0.0	27.0	9.8
35	0.87	17.5	0.9	27.68	2.38	1.19	0.0	20.0	0.0	26.0	9.4
36	0.87	17.9	0.9	26.58	2.29	1.14	0.0	20.0	0.0	25.0	9.1

37	0.87	18.2	0.9	25.39	2.18	1.09	0.0	20.0	0.0	23.9	8.7
38	0.87	18.5	0.9	24.1	2.07	1.04	0.0	20.0	0.0	22.7	8.2
39	0.87	18.8	0.9	22.72	1.95	0.98	0.0	20.0	0.0	21.4	7.7
40	0.87	19.1	0.9	21.25	1.83	0.91	0.0	20.0	0.0	20.0	7.2
41	0.87	19.5	0.9	19.68	1.69	0.85	0.0	20.0	0.0	18.5	6.7
42	0.87	19.8	0.9	18.02	1.55	0.77	0.0	20.0	0.0	16.9	6.1
43	0.87	20.1	0.9	16.26	1.4	0.7	0.0	20.0	0.0	15.3	5.5
44	0.87	20.4	0.9	14.41	1.24	0.62	0.0	20.0	0.0	13.5	4.9
45	0.87	20.8	0.9	12.46	1.07	0.54	0.0	20.0	0.0	11.7	4.2
46	0.87	21.1	0.9	10.42	0.9	0.45	0.0	20.0	0.0	9.8	3.5
47	0.87	21.4	0.9	8.28	0.71	0.36	0.0	20.0	0.0	7.8	2.8
48	0.87	21.7	0.9	6.03	0.52	0.26	0.0	20.0	0.0	5.7	2.1
49	0.87	22.1	0.9	3.7	0.32	0.16	0.0	20.0	0.0	3.5	1.3
50	0.87	22.4	0.9	1.26	0.11	0.05	0.0	20.0	0.0	1.2	0.4

$x_c = 165.54$   $y_c = 220.865$   $R_c = 180.233$   $F_s = 1.045$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.92	-2.7	1.9	6.63	0.57	0.29	0.0	20.0	0.0	6.8	2.4
2	1.92	-2.1	1.9	19.31	1.66	0.83	0.0	20.0	0.0	19.6	6.8
3	1.92	-1.5	1.9	31.22	2.68	1.34	0.0	20.0	0.0	31.5	11.0
4	1.92	-0.9	1.9	42.35	3.64	1.82	0.0	20.0	0.0	42.6	14.8
5	2.11	-0.3	2.1	58.34	5.02	2.51	0.0	20.0	0.0	58.4	20.3
6	1.74	0.4	1.7	56.1	4.82	2.41	0.0	20.0	0.0	56.0	19.5
7	1.92	0.9	1.9	69.18	5.95	2.97	0.0	20.0	0.0	68.8	24.0
8	1.92	1.5	1.9	75.85	6.52	3.26	0.0	20.0	0.0	75.2	26.2
9	1.92	2.2	1.9	81.74	7.03	3.51	0.0	20.0	0.0	80.7	28.1
10	1.92	2.8	1.9	86.86	7.47	3.73	0.0	20.0	0.0	85.5	29.8
11	1.92	3.4	1.9	91.2	7.84	3.92	0.0	20.0	0.0	89.5	31.2
12	1.92	4.0	1.9	94.77	8.15	4.08	0.0	20.0	0.0	92.7	32.3
13	1.92	4.6	1.9	97.56	8.39	4.2	0.0	20.0	0.0	95.2	33.1
14	2.4	5.3	2.4	124.47	10.7	5.35	0.0	20.0	0.0	121.1	42.2
15	1.45	5.9	1.5	79.55	6.84	3.42	0.0	20.0	0.0	77.2	26.9
16	1.92	6.4	1.9	117.39	10.1	5.05	0.0	20.0	0.0	113.7	39.6
17	1.92	7.1	1.9	129.95	11.18	5.59	0.0	20.0	0.0	125.5	43.7
18	1.92	7.7	1.9	141.71	12.19	6.09	0.0	20.0	0.0	136.6	47.5
19	1.92	8.3	1.9	152.68	13.13	6.57	0.0	20.0	0.0	146.8	51.1
20	1.92	8.9	1.9	162.86	14.01	7.0	0.0	20.0	0.0	156.3	54.4
21	1.92	9.5	1.9	172.23	14.81	7.41	0.0	20.0	0.0	165.0	57.4
22	1.92	10.2	2.0	180.79	15.55	7.77	0.0	20.0	0.0	172.9	60.2
23	1.92	10.8	2.0	188.55	16.22	8.11	0.0	20.0	0.0	180.0	62.7
24	1.92	11.4	2.0	195.49	16.81	8.41	0.0	20.0	0.0	186.3	64.9
25	1.92	12.0	2.0	201.61	17.34	8.67	0.0	20.0	0.0	191.9	66.8
26	1.92	12.6	2.0	206.9	17.79	8.9	0.0	20.0	0.0	196.7	68.5
27	1.92	13.3	2.0	211.37	18.18	9.09	0.0	20.0	0.0	200.7	69.9
28	1.92	13.9	2.0	214.99	18.49	9.24	0.0	20.0	0.0	203.9	71.0
29	1.92	14.5	2.0	217.77	18.73	9.36	0.0	20.0	0.0	206.3	71.8
30	1.92	15.2	2.0	219.7	18.89	9.45	0.0	20.0	0.0	208.0	72.4
31	1.92	15.8	2.0	220.76	18.99	9.49	0.0	20.0	0.0	208.9	72.7
32	1.92	16.4	2.0	220.96	19.0	9.5	0.0	20.0	0.0	208.9	72.7
33	1.92	17.1	2.0	220.29	18.94	9.47	0.0	20.0	0.0	208.2	72.5
34	1.65	17.7	1.7	187.5	16.12	8.06	0.0	20.0	0.0	177.1	61.7
35	2.2	18.3	2.3	245.29	21.09	10.55	0.0	20.0	0.0	231.7	80.7

36	1.92	19.0	2.0	207.33	17.83	8.92	0.0	20.0	0.0	195.8	68.2
37	1.92	19.7	2.0	199.65	17.17	8.59	0.0	20.0	0.0	188.6	65.6
38	1.92	20.3	2.0	191.06	16.43	8.22	0.0	20.0	0.0	180.5	62.8
39	1.92	21.0	2.1	181.52	15.61	7.81	0.0	20.0	0.0	171.5	59.7
40	1.92	21.6	2.1	171.04	14.71	7.35	0.0	20.0	0.0	161.7	56.3
41	1.92	22.3	2.1	159.59	13.72	6.86	0.0	20.0	0.0	150.9	52.5
42	1.92	22.9	2.1	147.17	12.66	6.33	0.0	20.0	0.0	139.3	48.5
43	1.92	23.6	2.1	133.76	11.5	5.75	0.0	20.0	0.0	126.7	44.1
44	1.92	24.3	2.1	119.35	10.26	5.13	0.0	20.0	0.0	113.2	39.4
45	1.92	24.9	2.1	103.91	8.94	4.47	0.0	20.0	0.0	98.6	34.3
46	1.92	25.6	2.1	87.44	7.52	3.76	0.0	20.0	0.0	83.1	28.9
47	1.92	26.3	2.1	69.91	6.01	3.01	0.0	20.0	0.0	66.5	23.2
48	1.92	27.0	2.2	51.32	4.41	2.21	0.0	20.0	0.0	48.9	17.0
49	1.92	27.7	2.2	31.63	2.72	1.36	0.0	20.0	0.0	30.2	10.5
50	1.92	28.4	2.2	10.83	0.93	0.47	0.0	20.0	0.0	10.4	3.6

$x_c = 186.288$   $y_c = 228.471$   $R_c = 178.873$   $F_s = 1.009$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.09	6.3	1.1	2.12	0.18	0.09	0.0	20.0	0.0	2.0	0.7
2	1.09	6.7	1.1	6.25	0.54	0.27	0.0	20.0	0.0	6.0	2.2
3	1.09	7.0	1.1	10.23	0.88	0.44	0.0	20.0	0.0	9.9	3.6
4	1.09	7.4	1.1	14.07	1.21	0.61	0.0	20.0	0.0	13.6	4.9
5	1.09	7.7	1.1	17.77	1.53	0.76	0.0	20.0	0.0	17.1	6.2
6	1.09	8.1	1.1	21.32	1.83	0.92	0.0	20.0	0.0	20.5	7.4
7	1.09	8.4	1.1	24.73	2.13	1.06	0.0	20.0	0.0	23.7	8.6
8	1.09	8.8	1.1	27.99	2.41	1.2	0.0	20.0	0.0	26.8	9.7
9	1.09	9.1	1.1	31.1	2.67	1.34	0.0	20.0	0.0	29.8	10.7
10	1.09	9.5	1.1	34.06	2.93	1.46	0.0	20.0	0.0	32.6	11.7
11	1.09	9.8	1.1	36.88	3.17	1.59	0.0	20.0	0.0	35.2	12.7
12	1.09	10.2	1.1	39.55	3.4	1.7	0.0	20.0	0.0	37.7	13.6
13	1.09	10.6	1.1	42.08	3.62	1.81	0.0	20.0	0.0	40.1	14.5
14	1.47	11.0	1.5	60.52	5.2	2.6	0.0	20.0	0.0	57.6	20.8
15	0.71	11.3	0.7	30.38	2.61	1.31	0.0	20.0	0.0	28.9	10.4
16	1.09	11.6	1.1	47.49	4.08	2.04	0.0	20.0	0.0	45.1	16.3
17	1.09	12.0	1.1	48.33	4.16	2.08	0.0	20.0	0.0	45.9	16.6
18	1.09	12.3	1.1	49.01	4.21	2.11	0.0	20.0	0.0	46.5	16.8
19	1.09	12.7	1.1	49.54	4.26	2.13	0.0	20.0	0.0	47.0	16.9
20	1.09	13.1	1.1	49.92	4.29	2.15	0.0	20.0	0.0	47.3	17.1
21	1.09	13.4	1.1	50.15	4.31	2.16	0.0	20.0	0.0	47.5	17.1
22	1.09	13.8	1.1	50.22	4.32	2.16	0.0	20.0	0.0	47.5	17.1
23	1.09	14.1	1.1	50.14	4.31	2.16	0.0	20.0	0.0	47.4	17.1
24	1.09	14.5	1.1	49.9	4.29	2.15	0.0	20.0	0.0	47.1	17.0
25	1.09	14.8	1.1	49.51	4.26	2.13	0.0	20.0	0.0	46.8	16.9
26	1.09	15.2	1.1	48.96	4.21	2.11	0.0	20.0	0.0	46.2	16.7
27	1.09	15.6	1.1	48.26	4.15	2.08	0.0	20.0	0.0	45.5	16.4
28	1.09	15.9	1.1	47.39	4.08	2.04	0.0	20.0	0.0	44.7	16.1
29	1.09	16.3	1.1	46.37	3.99	1.99	0.0	20.0	0.0	43.7	15.8
30	1.09	16.7	1.1	45.19	3.89	1.94	0.0	20.0	0.0	42.6	15.4
31	1.09	17.0	1.1	43.85	3.77	1.89	0.0	20.0	0.0	41.3	14.9
32	1.09	17.4	1.1	42.34	3.64	1.82	0.0	20.0	0.0	39.9	14.4
33	1.09	17.8	1.1	40.67	3.5	1.75	0.0	20.0	0.0	38.3	13.8
34	1.09	18.1	1.1	38.84	3.34	1.67	0.0	20.0	0.0	36.6	13.2

35	1.09	18.5	1.1	36.84	3.17	1.58	0.0	20.0	0.0	34.7	12.5
36	1.09	18.9	1.2	34.68	2.98	1.49	0.0	20.0	0.0	32.6	11.8
37	1.09	19.2	1.2	32.35	2.78	1.39	0.0	20.0	0.0	30.4	11.0
38	1.09	19.6	1.2	29.86	2.57	1.28	0.0	20.0	0.0	28.1	10.1
39	1.09	20.0	1.2	27.19	2.34	1.17	0.0	20.0	0.0	25.6	9.2
40	1.09	20.3	1.2	24.36	2.09	1.05	0.0	20.0	0.0	22.9	8.3
41	1.09	20.7	1.2	21.35	1.84	0.92	0.0	20.0	0.0	20.1	7.2
42	1.09	21.1	1.2	18.17	1.56	0.78	0.0	20.0	0.0	17.1	6.2
43	1.09	21.5	1.2	14.82	1.27	0.64	0.0	20.0	0.0	13.9	5.0
44	1.49	21.9	1.6	14.49	1.25	0.62	0.0	20.0	0.0	13.6	4.9
45	0.69	22.3	0.7	4.95	0.43	0.21	0.0	20.0	0.0	4.7	1.7
46	1.09	22.6	1.2	6.93	0.6	0.3	0.0	20.0	0.0	6.5	2.4
47	1.09	23.0	1.2	5.71	0.49	0.25	0.0	20.0	0.0	5.4	1.9
48	1.09	23.3	1.2	4.31	0.37	0.19	0.0	20.0	0.0	4.1	1.5
49	1.09	23.7	1.2	2.72	0.23	0.12	0.0	20.0	0.0	2.6	0.9
50	1.09	24.1	1.2	0.95	0.08	0.04	0.0	20.0	0.0	0.9	0.3

$$x_c = 165.54 \quad y_c = 236.076 \quad R_c = 195.378 \quad F_s = 1.037$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	2.12	-2.4	2.1	7.82	0.67	0.34	0.0	20.0	0.0	7.9	2.8
2	2.12	-1.8	2.1	22.74	1.96	0.98	0.0	20.0	0.0	23.0	8.1
3	2.12	-1.2	2.1	36.7	3.16	1.58	0.0	20.0	0.0	37.0	13.0
4	2.12	-0.6	2.1	49.71	4.28	2.14	0.0	20.0	0.0	49.9	17.5
5	1.06	-0.1	1.1	29.52	2.54	1.27	0.0	20.0	0.0	29.5	10.4
6	3.18	0.5	3.2	103.28	8.88	4.44	0.0	20.0	0.0	102.9	36.1
7	2.12	1.3	2.1	79.66	6.85	3.43	0.0	20.0	0.0	79.0	27.8
8	2.12	1.9	2.1	87.18	7.5	3.75	0.0	20.0	0.0	86.2	30.3
9	2.12	2.6	2.1	93.74	8.06	4.03	0.0	20.0	0.0	92.4	32.4
10	2.12	3.2	2.1	99.33	8.54	4.27	0.0	20.0	0.0	97.6	34.3
11	2.12	3.8	2.1	103.97	8.94	4.47	0.0	20.0	0.0	101.8	35.7
12	2.12	4.4	2.1	107.65	9.26	4.63	0.0	20.0	0.0	105.1	36.9
13	1.7	5.0	1.7	88.22	7.59	3.79	0.0	20.0	0.0	85.9	30.2
14	2.54	5.6	2.6	145.53	12.52	6.26	0.0	20.0	0.0	141.4	49.6
15	2.12	6.3	2.1	139.54	12.0	6.0	0.0	20.0	0.0	135.1	47.4
16	2.12	6.9	2.1	155.03	13.33	6.67	0.0	20.0	0.0	149.8	52.6
17	2.12	7.6	2.1	169.54	14.58	7.29	0.0	20.0	0.0	163.4	57.4
18	2.12	8.2	2.1	183.07	15.74	7.87	0.0	20.0	0.0	176.1	61.8
19	2.12	8.8	2.1	195.62	16.82	8.41	0.0	20.0	0.0	187.7	65.9
20	2.12	9.4	2.1	207.17	17.82	8.91	0.0	20.0	0.0	198.4	69.7
21	2.12	10.1	2.2	217.73	18.72	9.36	0.0	20.0	0.0	208.2	73.1
22	2.12	10.7	2.2	227.29	19.55	9.77	0.0	20.0	0.0	216.9	76.2
23	2.12	11.3	2.2	235.84	20.28	10.14	0.0	20.0	0.0	224.7	78.9
24	2.12	12.0	2.2	243.38	20.93	10.47	0.0	20.0	0.0	231.6	81.3
25	2.12	12.6	2.2	249.9	21.49	10.75	0.0	20.0	0.0	237.4	83.4
26	2.12	13.2	2.2	255.39	21.96	10.98	0.0	20.0	0.0	242.3	85.1
27	2.12	13.9	2.2	259.84	22.35	11.17	0.0	20.0	0.0	246.3	86.5
28	2.12	14.5	2.2	263.25	22.64	11.32	0.0	20.0	0.0	249.3	87.5
29	2.12	15.2	2.2	265.6	22.84	11.42	0.0	20.0	0.0	251.3	88.2
30	2.12	15.8	2.2	266.9	22.95	11.48	0.0	20.0	0.0	252.3	88.6
31	1.24	16.3	1.3	156.39	13.45	6.72	0.0	20.0	0.0	147.8	51.9
32	3.0	17.0	3.1	372.89	32.07	16.03	0.0	20.0	0.0	352.1	123.6
33	2.12	17.8	2.2	256.38	22.05	11.02	0.0	20.0	0.0	242.0	85.0

34	2.12	18.4	2.2	249.18	21.43	10.71	0.0	20.0	0.0	235.1	82.6
35	2.12	19.1	2.2	240.87	20.71	10.36	0.0	20.0	0.0	227.3	79.8
36	2.12	19.7	2.3	231.42	19.9	9.95	0.0	20.0	0.0	218.4	76.7
37	2.12	20.4	2.3	220.82	18.99	9.5	0.0	20.0	0.0	208.4	73.2
38	2.12	21.1	2.3	209.07	17.98	8.99	0.0	20.0	0.0	197.4	69.3
39	2.12	21.7	2.3	196.14	16.87	8.43	0.0	20.0	0.0	185.2	65.0
40	2.12	22.4	2.3	182.02	15.65	7.83	0.0	20.0	0.0	172.0	60.4
41	2.12	23.1	2.3	166.68	14.33	7.17	0.0	20.0	0.0	157.6	55.3
42	2.12	23.7	2.3	150.13	12.91	6.46	0.0	20.0	0.0	142.1	49.9
43	2.12	24.4	2.3	132.32	11.38	5.69	0.0	20.0	0.0	125.3	44.0
44	2.12	25.1	2.3	113.25	9.74	4.87	0.0	20.0	0.0	107.4	37.7
45	2.12	25.8	2.4	92.89	7.99	3.99	0.0	20.0	0.0	88.2	31.0
46	2.12	26.5	2.4	71.13	6.12	3.06	0.0	20.0	0.0	67.6	23.7
47	2.12	27.2	2.4	53.72	4.62	2.31	0.0	20.0	0.0	51.2	18.0
48	2.12	27.9	2.4	40.06	3.44	1.72	0.0	20.0	0.0	38.2	13.4
49	2.12	28.6	2.4	25.1	2.16	1.08	0.0	20.0	0.0	24.0	8.4
50	2.12	29.3	2.4	8.72	0.75	0.38	0.0	20.0	0.0	8.4	2.9

$x_c = 144.791$   $y_c = 274.104$   $R_c = 234.605$   $F_s = 1.086$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.9	0.4	1.9	4.52	0.39	0.19	0.0	20.0	0.0	4.5	1.5
2	1.9	0.9	1.9	13.13	1.13	0.56	0.0	20.0	0.0	13.1	4.4
3	1.9	1.3	1.9	21.16	1.82	0.91	0.0	20.0	0.0	21.0	7.0
4	1.9	1.8	1.9	28.61	2.46	1.23	0.0	20.0	0.0	28.3	9.5
5	1.9	2.3	1.9	35.49	3.05	1.53	0.0	20.0	0.0	35.1	11.7
6	1.9	2.7	1.9	41.8	3.59	1.8	0.0	20.0	0.0	41.2	13.8
7	1.9	3.2	1.9	47.52	4.09	2.04	0.0	20.0	0.0	46.7	15.7
8	1.9	3.7	1.9	52.67	4.53	2.26	0.0	20.0	0.0	51.7	17.3
9	1.9	4.1	1.9	57.24	4.92	2.46	0.0	20.0	0.0	56.0	18.8
10	1.9	4.6	1.9	61.23	5.27	2.63	0.0	20.0	0.0	59.8	20.0
11	1.22	5.0	1.2	41.08	3.53	1.77	0.0	20.0	0.0	40.1	13.4
12	2.59	5.5	2.6	89.81	7.72	3.86	0.0	20.0	0.0	87.4	29.3
13	1.9	6.0	1.9	67.21	5.78	2.89	0.0	20.0	0.0	65.3	21.9
14	1.9	6.5	1.9	67.53	5.81	2.9	0.0	20.0	0.0	65.5	21.9
15	1.9	6.9	1.9	67.25	5.78	2.89	0.0	20.0	0.0	65.1	21.8
16	1.9	7.4	1.9	66.39	5.71	2.85	0.0	20.0	0.0	64.2	21.5
17	1.9	7.9	1.9	64.94	5.59	2.79	0.0	20.0	0.0	62.7	21.0
18	1.9	8.3	1.9	62.9	5.41	2.7	0.0	20.0	0.0	60.6	20.3
19	1.9	8.8	1.9	60.27	5.18	2.59	0.0	20.0	0.0	58.0	19.4
20	1.69	9.3	1.7	50.87	4.37	2.19	0.0	20.0	0.0	48.9	16.4
21	2.11	9.7	2.1	67.18	5.78	2.89	0.0	20.0	0.0	64.5	21.6
22	1.9	10.2	1.9	69.13	5.95	2.97	0.0	20.0	0.0	66.2	22.2
23	1.9	10.7	1.9	76.73	6.6	3.3	0.0	20.0	0.0	73.4	24.6
24	1.9	11.2	1.9	83.72	7.2	3.6	0.0	20.0	0.0	80.0	26.8
25	1.9	11.6	1.9	90.11	7.75	3.87	0.0	20.0	0.0	86.1	28.8
26	1.9	12.1	1.9	95.88	8.25	4.12	0.0	20.0	0.0	91.5	30.7
27	1.9	12.6	1.9	101.03	8.69	4.34	0.0	20.0	0.0	96.3	32.3
28	1.9	13.1	2.0	105.57	9.08	4.54	0.0	20.0	0.0	100.6	33.7
29	1.9	13.5	2.0	109.49	9.42	4.71	0.0	20.0	0.0	104.2	34.9
30	1.9	14.0	2.0	112.77	9.7	4.85	0.0	20.0	0.0	107.3	35.9
31	1.9	14.5	2.0	115.43	9.93	4.96	0.0	20.0	0.0	109.7	36.8
32	1.9	15.0	2.0	117.46	10.1	5.05	0.0	20.0	0.0	111.6	37.4



33	1.9	15.5	2.0	118.85	10.22	5.11	0.0	20.0	0.0	112.8	37.8
34	1.9	16.0	2.0	119.59	10.28	5.14	0.0	20.0	0.0	113.5	38.0
35	1.9	16.4	2.0	119.69	10.29	5.15	0.0	20.0	0.0	113.6	38.1
36	1.9	16.9	2.0	119.13	10.25	5.12	0.0	20.0	0.0	113.0	37.9
37	1.9	17.4	2.0	117.92	10.14	5.07	0.0	20.0	0.0	111.8	37.5
38	1.9	17.9	2.0	116.05	9.98	4.99	0.0	20.0	0.0	110.0	36.9
39	1.9	18.4	2.0	113.5	9.76	4.88	0.0	20.0	0.0	107.6	36.1
40	1.34	18.8	1.4	78.15	6.72	3.36	0.0	20.0	0.0	74.1	24.8
41	2.46	19.3	2.6	135.76	11.68	5.84	0.0	20.0	0.0	128.7	43.1
42	1.9	19.9	2.0	95.84	8.24	4.12	0.0	20.0	0.0	90.9	30.5
43	1.9	20.4	2.0	87.24	7.5	3.75	0.0	20.0	0.0	82.8	27.7
44	1.9	20.9	2.0	77.95	6.7	3.35	0.0	20.0	0.0	74.0	24.8
45	1.9	21.3	2.0	67.94	5.84	2.92	0.0	20.0	0.0	64.5	21.6
46	1.9	21.8	2.0	57.23	4.92	2.46	0.0	20.0	0.0	54.4	18.2
47	1.9	22.3	2.1	45.8	3.94	1.97	0.0	20.0	0.0	43.5	14.6
48	1.9	22.9	2.1	33.64	2.89	1.45	0.0	20.0	0.0	32.0	10.7
49	1.9	23.4	2.1	20.74	1.78	0.89	0.0	20.0	0.0	19.7	6.6
50	1.9	23.9	2.1	7.1	0.61	0.31	0.0	20.0	0.0	6.8	2.3

$$x_c = 144.791 \quad y_c = 289.315 \quad R_c = 249.75 \quad F_s = 1.07$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	2.03	0.5	2.0	5.06	0.44	0.22	0.0	20.0	0.0	5.0	1.7
2	2.03	1.0	2.0	14.7	1.26	0.63	0.0	20.0	0.0	14.6	5.0
3	2.03	1.5	2.0	23.67	2.04	1.02	0.0	20.0	0.0	23.5	8.0
4	2.03	1.9	2.0	32.0	2.75	1.38	0.0	20.0	0.0	31.7	10.8
5	2.03	2.4	2.0	39.66	3.41	1.71	0.0	20.0	0.0	39.1	13.3
6	2.03	2.8	2.0	46.67	4.01	2.01	0.0	20.0	0.0	46.0	15.6
7	2.03	3.3	2.0	53.02	4.56	2.28	0.0	20.0	0.0	52.1	17.7
8	2.03	3.8	2.0	58.72	5.05	2.52	0.0	20.0	0.0	57.6	19.6
9	2.03	4.2	2.0	63.75	5.48	2.74	0.0	20.0	0.0	62.4	21.2
10	1.48	4.7	1.5	49.15	4.23	2.11	0.0	20.0	0.0	48.0	16.3
11	2.58	5.1	2.6	89.59	7.7	3.85	0.0	20.0	0.0	87.3	29.7
12	2.03	5.6	2.0	72.18	6.21	3.1	0.0	20.0	0.0	70.2	23.9
13	2.03	6.1	2.0	73.04	6.28	3.14	0.0	20.0	0.0	70.9	24.1
14	2.03	6.6	2.0	73.23	6.3	3.15	0.0	20.0	0.0	70.9	24.1
15	2.03	7.1	2.0	72.75	6.26	3.13	0.0	20.0	0.0	70.3	23.9
16	2.03	7.5	2.0	71.61	6.16	3.08	0.0	20.0	0.0	69.1	23.5
17	2.03	8.0	2.0	69.79	6.0	3.0	0.0	20.0	0.0	67.3	22.9
18	2.84	8.6	2.9	93.46	8.04	4.02	0.0	20.0	0.0	89.9	30.6
19	1.22	9.0	1.2	40.56	3.49	1.74	0.0	20.0	0.0	39.0	13.3
20	2.03	9.4	2.1	76.06	6.54	3.27	0.0	20.0	0.0	73.0	24.8
21	2.03	9.9	2.1	85.89	7.39	3.69	0.0	20.0	0.0	82.3	28.0
22	2.03	10.3	2.1	95.04	8.17	4.09	0.0	20.0	0.0	91.0	30.9
23	2.03	10.8	2.1	103.49	8.9	4.45	0.0	20.0	0.0	98.9	33.6
24	2.03	11.3	2.1	111.26	9.57	4.78	0.0	20.0	0.0	106.2	36.1
25	2.03	11.8	2.1	118.33	10.18	5.09	0.0	20.0	0.0	112.9	38.4
26	2.03	12.2	2.1	124.71	10.72	5.36	0.0	20.0	0.0	118.8	40.4
27	2.03	12.7	2.1	130.38	11.21	5.61	0.0	20.0	0.0	124.1	42.2
28	2.03	13.2	2.1	135.34	11.64	5.82	0.0	20.0	0.0	128.7	43.8
29	2.03	13.7	2.1	139.6	12.01	6.0	0.0	20.0	0.0	132.7	45.1
30	2.03	14.2	2.1	143.15	12.31	6.16	0.0	20.0	0.0	136.0	46.2
31	2.03	14.6	2.1	145.97	12.55	6.28	0.0	20.0	0.0	138.6	47.1

32	2.03	15.1	2.1	148.07	12.73	6.37	0.0	20.0	0.0	140.5	47.8
33	2.03	15.6	2.1	149.44	12.85	6.43	0.0	20.0	0.0	141.7	48.2
34	2.03	16.1	2.1	150.08	12.91	6.45	0.0	20.0	0.0	142.2	48.4
35	2.03	16.6	2.1	149.99	12.9	6.45	0.0	20.0	0.0	142.1	48.3
36	2.03	17.1	2.1	149.14	12.83	6.41	0.0	20.0	0.0	141.3	48.0
37	2.0	17.5	2.1	145.64	12.53	6.26	0.0	20.0	0.0	137.9	46.9
38	2.05	18.0	2.2	145.17	12.48	6.24	0.0	20.0	0.0	137.4	46.7
39	2.03	18.5	2.1	136.37	11.73	5.86	0.0	20.0	0.0	129.1	43.9
40	2.03	19.0	2.1	128.71	11.07	5.53	0.0	20.0	0.0	121.9	41.4
41	2.03	19.5	2.2	120.27	10.34	5.17	0.0	20.0	0.0	113.9	38.7
42	2.03	20.0	2.2	111.05	9.55	4.78	0.0	20.0	0.0	105.2	35.8
43	2.03	20.5	2.2	101.04	8.69	4.34	0.0	20.0	0.0	95.7	32.6
44	2.03	21.0	2.2	90.24	7.76	3.88	0.0	20.0	0.0	85.5	29.1
45	2.03	21.5	2.2	78.63	6.76	3.38	0.0	20.0	0.0	74.5	25.3
46	2.03	22.0	2.2	66.2	5.69	2.85	0.0	20.0	0.0	62.8	21.4
47	2.03	22.5	2.2	52.96	4.55	2.28	0.0	20.0	0.0	50.2	17.1
48	2.03	23.0	2.2	38.88	3.34	1.67	0.0	20.0	0.0	36.9	12.6
49	2.03	23.5	2.2	23.97	2.06	1.03	0.0	20.0	0.0	22.8	7.7
50	2.03	24.0	2.2	8.2	0.71	0.35	0.0	20.0	0.0	7.8	2.7

$$x_c = 165.54 \quad y_c = 281.71 \quad R_c = 233.471 \quad F_s = 1.004$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.29	12.7	0.3	0.06	0.0	0.0	0.0	20.0	0.0	0.1	0.0
2	0.29	12.8	0.3	0.16	0.01	0.01	0.0	20.0	0.0	0.2	0.1
3	0.29	12.9	0.3	0.27	0.02	0.01	0.0	20.0	0.0	0.3	0.1
4	0.29	12.9	0.3	0.37	0.03	0.02	0.0	20.0	0.0	0.4	0.1
5	0.29	13.0	0.3	0.47	0.04	0.02	0.0	20.0	0.0	0.4	0.2
6	0.29	13.1	0.3	0.57	0.05	0.02	0.0	20.0	0.0	0.5	0.2
7	0.29	13.1	0.3	0.67	0.06	0.03	0.0	20.0	0.0	0.6	0.2
8	0.29	13.2	0.3	0.77	0.07	0.03	0.0	20.0	0.0	0.7	0.3
9	0.29	13.3	0.3	0.86	0.07	0.04	0.0	20.0	0.0	0.8	0.3
10	0.29	13.4	0.3	0.95	0.08	0.04	0.0	20.0	0.0	0.9	0.3
11	0.29	13.4	0.3	1.04	0.09	0.04	0.0	20.0	0.0	1.0	0.4
12	0.29	13.5	0.3	1.12	0.1	0.05	0.0	20.0	0.0	1.1	0.4
13	0.29	13.6	0.3	1.21	0.1	0.05	0.0	20.0	0.0	1.1	0.4
14	0.29	13.7	0.3	1.29	0.11	0.06	0.0	20.0	0.0	1.2	0.4
15	0.26	13.7	0.3	1.21	0.1	0.05	0.0	20.0	0.0	1.1	0.4
16	0.32	13.8	0.3	1.56	0.13	0.07	0.0	20.0	0.0	1.5	0.5
17	0.29	13.9	0.3	1.4	0.12	0.06	0.0	20.0	0.0	1.3	0.5
18	0.29	14.0	0.3	1.39	0.12	0.06	0.0	20.0	0.0	1.3	0.5
19	0.29	14.0	0.3	1.38	0.12	0.06	0.0	20.0	0.0	1.3	0.5
20	0.29	14.1	0.3	1.37	0.12	0.06	0.0	20.0	0.0	1.3	0.5
21	0.29	14.2	0.3	1.36	0.12	0.06	0.0	20.0	0.0	1.3	0.5
22	0.29	14.2	0.3	1.35	0.12	0.06	0.0	20.0	0.0	1.3	0.5
23	0.29	14.3	0.3	1.33	0.11	0.06	0.0	20.0	0.0	1.3	0.5
24	0.29	14.4	0.3	1.31	0.11	0.06	0.0	20.0	0.0	1.2	0.5
25	0.29	14.5	0.3	1.29	0.11	0.06	0.0	20.0	0.0	1.2	0.4
26	0.29	14.5	0.3	1.27	0.11	0.05	0.0	20.0	0.0	1.2	0.4
27	0.29	14.6	0.3	1.25	0.11	0.05	0.0	20.0	0.0	1.2	0.4
28	0.29	14.7	0.3	1.22	0.1	0.05	0.0	20.0	0.0	1.2	0.4
29	0.29	14.8	0.3	1.19	0.1	0.05	0.0	20.0	0.0	1.1	0.4
30	0.29	14.8	0.3	1.16	0.1	0.05	0.0	20.0	0.0	1.1	0.4

31	0.29	14.9	0.3	1.12	0.1	0.05	0.0	20.0	0.0	1.1	0.4
32	0.29	15.0	0.3	1.09	0.09	0.05	0.0	20.0	0.0	1.0	0.4
33	0.29	15.1	0.3	1.05	0.09	0.05	0.0	20.0	0.0	1.0	0.4
34	0.29	15.1	0.3	1.01	0.09	0.04	0.0	20.0	0.0	1.0	0.3
35	0.29	15.2	0.3	0.96	0.08	0.04	0.0	20.0	0.0	0.9	0.3
36	0.29	15.3	0.3	0.92	0.08	0.04	0.0	20.0	0.0	0.9	0.3
37	0.29	15.4	0.3	0.87	0.07	0.04	0.0	20.0	0.0	0.8	0.3
38	0.29	15.4	0.3	0.82	0.07	0.04	0.0	20.0	0.0	0.8	0.3
39	0.29	15.5	0.3	0.77	0.07	0.03	0.0	20.0	0.0	0.7	0.3
40	0.29	15.6	0.3	0.71	0.06	0.03	0.0	20.0	0.0	0.7	0.2
41	0.29	15.6	0.3	0.66	0.06	0.03	0.0	20.0	0.0	0.6	0.2
42	0.29	15.7	0.3	0.6	0.05	0.03	0.0	20.0	0.0	0.6	0.2
43	0.29	15.8	0.3	0.54	0.05	0.02	0.0	20.0	0.0	0.5	0.2
44	0.29	15.9	0.3	0.47	0.04	0.02	0.0	20.0	0.0	0.4	0.2
45	0.29	15.9	0.3	0.41	0.03	0.02	0.0	20.0	0.0	0.4	0.1
46	0.29	16.0	0.3	0.34	0.03	0.01	0.0	20.0	0.0	0.3	0.1
47	0.29	16.1	0.3	0.27	0.02	0.01	0.0	20.0	0.0	0.3	0.1
48	0.29	16.2	0.3	0.19	0.02	0.01	0.0	20.0	0.0	0.2	0.1
49	0.29	16.2	0.3	0.12	0.01	0.01	0.0	20.0	0.0	0.1	0.0
50	0.29	16.3	0.3	0.04	0.0	0.0	0.0	20.0	0.0	0.0	0.0

$x_c = 144.791$   $y_c = 304.527$   $R_c = 264.895$   $F_s = 1.06$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	2.17	0.6	2.2	5.71	0.49	0.25	0.0	20.0	0.0	5.7	2.0
2	2.17	1.1	2.2	16.56	1.42	0.71	0.0	20.0	0.0	16.5	5.7
3	2.17	1.6	2.2	26.66	2.29	1.15	0.0	20.0	0.0	26.4	9.1
4	2.17	2.0	2.2	36.0	3.1	1.55	0.0	20.0	0.0	35.6	12.2
5	2.17	2.5	2.2	44.58	3.83	1.92	0.0	20.0	0.0	44.0	15.1
6	2.17	3.0	2.2	52.41	4.51	2.25	0.0	20.0	0.0	51.6	17.7
7	2.17	3.4	2.2	59.48	5.12	2.56	0.0	20.0	0.0	58.4	20.0
8	2.17	3.9	2.2	65.79	5.66	2.83	0.0	20.0	0.0	64.4	22.1
9	1.86	4.3	1.9	60.99	5.25	2.62	0.0	20.0	0.0	59.6	20.5
10	2.47	4.8	2.5	85.35	7.34	3.67	0.0	20.0	0.0	83.2	28.6
11	2.17	5.3	2.2	77.29	6.65	3.32	0.0	20.0	0.0	75.2	25.8
12	2.17	5.8	2.2	78.81	6.78	3.39	0.0	20.0	0.0	76.6	26.3
13	2.17	6.3	2.2	79.56	6.84	3.42	0.0	20.0	0.0	77.1	26.5
14	2.17	6.7	2.2	79.54	6.84	3.42	0.0	20.0	0.0	77.0	26.4
15	2.17	7.2	2.2	78.76	6.77	3.39	0.0	20.0	0.0	76.1	26.1
16	2.17	7.7	2.2	77.2	6.64	3.32	0.0	20.0	0.0	74.4	25.6
17	2.11	8.1	2.1	72.81	6.26	3.13	0.0	20.0	0.0	70.1	24.1
18	2.23	8.6	2.3	82.47	7.09	3.55	0.0	20.0	0.0	79.3	27.2
19	2.17	9.1	2.2	92.93	7.99	4.0	0.0	20.0	0.0	89.2	30.6
20	2.17	9.6	2.2	104.67	9.0	4.5	0.0	20.0	0.0	100.3	34.5
21	2.17	10.1	2.2	115.62	9.94	4.97	0.0	20.0	0.0	110.7	38.0
22	2.17	10.5	2.2	125.78	10.82	5.41	0.0	20.0	0.0	120.3	41.3
23	2.17	11.0	2.2	135.15	11.62	5.81	0.0	20.0	0.0	129.1	44.3
24	2.17	11.5	2.2	143.72	12.36	6.18	0.0	20.0	0.0	137.1	47.1
25	2.17	12.0	2.2	151.48	13.03	6.51	0.0	20.0	0.0	144.3	49.6
26	2.17	12.4	2.2	158.44	13.63	6.81	0.0	20.0	0.0	150.8	51.8
27	2.17	12.9	2.2	164.59	14.15	7.08	0.0	20.0	0.0	156.5	53.8
28	2.17	13.4	2.2	169.93	14.61	7.31	0.0	20.0	0.0	161.5	55.4
29	2.17	13.9	2.2	174.44	15.0	7.5	0.0	20.0	0.0	165.6	56.9

30	2.17	14.4	2.2	178.13	15.32	7.66	0.0	20.0	0.0	169.0	58.0
31	2.17	14.9	2.2	181.0	15.57	7.78	0.0	20.0	0.0	171.6	58.9
32	2.17	15.3	2.2	183.02	15.74	7.87	0.0	20.0	0.0	173.4	59.6
33	2.17	15.8	2.3	184.2	15.84	7.92	0.0	20.0	0.0	174.5	59.9
34	2.94	16.4	3.1	250.34	21.53	10.76	0.0	20.0	0.0	237.0	81.4
35	1.39	16.9	1.5	117.35	10.09	5.05	0.0	20.0	0.0	111.1	38.1
36	2.17	17.3	2.3	177.7	15.28	7.64	0.0	20.0	0.0	168.1	57.7
37	2.17	17.8	2.3	171.13	14.72	7.36	0.0	20.0	0.0	161.9	55.6
38	2.17	18.3	2.3	163.69	14.08	7.04	0.0	20.0	0.0	154.8	53.2
39	2.17	18.8	2.3	155.36	13.36	6.68	0.0	20.0	0.0	146.9	50.5
40	2.17	19.3	2.3	146.15	12.57	6.28	0.0	20.0	0.0	138.2	47.5
41	2.17	19.8	2.3	136.03	11.7	5.85	0.0	20.0	0.0	128.7	44.2
42	2.17	20.3	2.3	125.02	10.75	5.38	0.0	20.0	0.0	118.3	40.6
43	2.17	20.8	2.3	113.09	9.73	4.86	0.0	20.0	0.0	107.0	36.7
44	2.17	21.3	2.3	100.23	8.62	4.31	0.0	20.0	0.0	94.9	32.6
45	2.17	21.8	2.3	86.45	7.43	3.72	0.0	20.0	0.0	81.9	28.1
46	2.17	22.3	2.3	71.72	6.17	3.08	0.0	20.0	0.0	67.9	23.3
47	2.17	22.8	2.4	56.04	4.82	2.41	0.0	20.0	0.0	53.1	18.2
48	2.17	23.3	2.4	39.39	3.39	1.69	0.0	20.0	0.0	37.4	12.8
49	2.17	23.8	2.4	21.77	1.87	0.94	0.0	20.0	0.0	20.7	7.1
50	2.17	24.3	2.4	4.03	0.35	0.17	0.0	20.0	0.0	3.8	1.3

$x_c = 165.54$   $y_c = 296.921$   $R_c = 248.603$   $F_s = 1.012$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.55	11.2	0.6	0.28	0.02	0.01	0.0	20.0	0.0	0.3	0.1
2	0.55	11.3	0.6	0.83	0.07	0.04	0.0	20.0	0.0	0.8	0.3
3	0.55	11.5	0.6	1.37	0.12	0.06	0.0	20.0	0.0	1.3	0.5
4	0.55	11.6	0.6	1.89	0.16	0.08	0.0	20.0	0.0	1.8	0.6
5	0.55	11.7	0.6	2.4	0.21	0.1	0.0	20.0	0.0	2.3	0.8
6	0.55	11.9	0.6	2.9	0.25	0.12	0.0	20.0	0.0	2.8	1.0
7	0.55	12.0	0.6	3.38	0.29	0.15	0.0	20.0	0.0	3.2	1.2
8	0.55	12.1	0.6	3.84	0.33	0.17	0.0	20.0	0.0	3.6	1.3
9	0.55	12.3	0.6	4.3	0.37	0.18	0.0	20.0	0.0	4.1	1.5
10	0.55	12.4	0.6	4.73	0.41	0.2	0.0	20.0	0.0	4.5	1.6
11	0.55	12.5	0.6	5.16	0.44	0.22	0.0	20.0	0.0	4.9	1.8
12	0.55	12.7	0.6	5.57	0.48	0.24	0.0	20.0	0.0	5.3	1.9
13	0.82	12.8	0.8	8.98	0.77	0.39	0.0	20.0	0.0	8.5	3.1
14	0.29	12.9	0.3	3.29	0.28	0.14	0.0	20.0	0.0	3.1	1.1
15	0.55	13.0	0.6	6.42	0.55	0.28	0.0	20.0	0.0	6.1	2.2
16	0.55	13.2	0.6	6.5	0.56	0.28	0.0	20.0	0.0	6.2	2.2
17	0.55	13.3	0.6	6.55	0.56	0.28	0.0	20.0	0.0	6.2	2.2
18	0.55	13.4	0.6	6.6	0.57	0.28	0.0	20.0	0.0	6.2	2.2
19	0.55	13.6	0.6	6.63	0.57	0.28	0.0	20.0	0.0	6.3	2.3
20	0.55	13.7	0.6	6.64	0.57	0.29	0.0	20.0	0.0	6.3	2.3
21	0.55	13.8	0.6	6.64	0.57	0.29	0.0	20.0	0.0	6.3	2.3
22	0.55	14.0	0.6	6.62	0.57	0.28	0.0	20.0	0.0	6.3	2.3
23	0.55	14.1	0.6	6.6	0.57	0.28	0.0	20.0	0.0	6.2	2.2
24	0.55	14.2	0.6	6.55	0.56	0.28	0.0	20.0	0.0	6.2	2.2
25	0.55	14.3	0.6	6.49	0.56	0.28	0.0	20.0	0.0	6.1	2.2
26	0.55	14.5	0.6	6.42	0.55	0.28	0.0	20.0	0.0	6.1	2.2
27	0.55	14.6	0.6	6.33	0.54	0.27	0.0	20.0	0.0	6.0	2.2
28	0.55	14.7	0.6	6.23	0.54	0.27	0.0	20.0	0.0	5.9	2.1

29	0.55	14.9	0.6	6.11	0.53	0.26	0.0	20.0	0.0	5.8	2.1
30	0.55	15.0	0.6	5.98	0.51	0.26	0.0	20.0	0.0	5.6	2.0
31	0.55	15.1	0.6	5.84	0.5	0.25	0.0	20.0	0.0	5.5	2.0
32	0.55	15.3	0.6	5.68	0.49	0.24	0.0	20.0	0.0	5.4	1.9
33	0.55	15.4	0.6	5.5	0.47	0.24	0.0	20.0	0.0	5.2	1.9
34	0.55	15.5	0.6	5.31	0.46	0.23	0.0	20.0	0.0	5.0	1.8
35	0.55	15.7	0.6	5.1	0.44	0.22	0.0	20.0	0.0	4.8	1.7
36	0.55	15.8	0.6	4.88	0.42	0.21	0.0	20.0	0.0	4.6	1.7
37	0.55	15.9	0.6	4.65	0.4	0.2	0.0	20.0	0.0	4.4	1.6
38	0.55	16.1	0.6	4.4	0.38	0.19	0.0	20.0	0.0	4.1	1.5
39	0.55	16.2	0.6	4.13	0.36	0.18	0.0	20.0	0.0	3.9	1.4
40	0.55	16.3	0.6	3.85	0.33	0.17	0.0	20.0	0.0	3.6	1.3
41	0.55	16.5	0.6	3.56	0.31	0.15	0.0	20.0	0.0	3.4	1.2
42	0.55	16.6	0.6	3.25	0.28	0.14	0.0	20.0	0.0	3.1	1.1
43	0.55	16.7	0.6	2.92	0.25	0.13	0.0	20.0	0.0	2.8	1.0
44	0.55	16.9	0.6	2.58	0.22	0.11	0.0	20.0	0.0	2.4	0.9
45	0.55	17.0	0.6	2.23	0.19	0.1	0.0	20.0	0.0	2.1	0.8
46	0.55	17.1	0.6	1.86	0.16	0.08	0.0	20.0	0.0	1.7	0.6
47	0.55	17.3	0.6	1.47	0.13	0.06	0.0	20.0	0.0	1.4	0.5
48	0.55	17.4	0.6	1.07	0.09	0.05	0.0	20.0	0.0	1.0	0.4
49	0.55	17.5	0.6	0.65	0.06	0.03	0.0	20.0	0.0	0.6	0.2
50	0.55	17.7	0.6	0.22	0.02	0.01	0.0	20.0	0.0	0.2	0.1

$x_c = 165.54$   $y_c = 312.132$   $R_c = 263.735$   $F_s = 1.018$

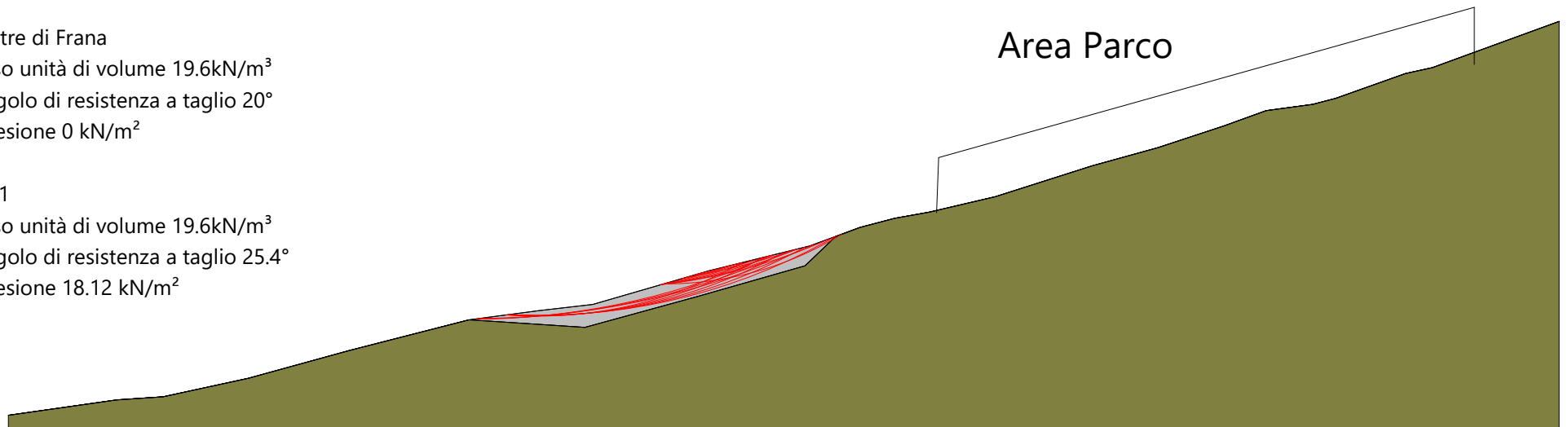
Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.76	10.2	0.8	0.64	0.05	0.03	0.0	20.0	0.0	0.6	0.2
2	0.76	10.4	0.8	1.88	0.16	0.08	0.0	20.0	0.0	1.8	0.6
3	0.76	10.5	0.8	3.09	0.27	0.13	0.0	20.0	0.0	2.9	1.1
4	0.76	10.7	0.8	4.27	0.37	0.18	0.0	20.0	0.0	4.1	1.5
5	0.76	10.9	0.8	5.41	0.47	0.23	0.0	20.0	0.0	5.2	1.8
6	0.76	11.0	0.8	6.52	0.56	0.28	0.0	20.0	0.0	6.2	2.2
7	0.76	11.2	0.8	7.6	0.65	0.33	0.0	20.0	0.0	7.2	2.6
8	0.76	11.4	0.8	8.64	0.74	0.37	0.0	20.0	0.0	8.2	2.9
9	0.76	11.5	0.8	9.64	0.83	0.41	0.0	20.0	0.0	9.2	3.3
10	0.76	11.7	0.8	10.61	0.91	0.46	0.0	20.0	0.0	10.1	3.6
11	0.76	11.9	0.8	11.55	0.99	0.5	0.0	20.0	0.0	11.0	3.9
12	0.87	12.1	0.9	14.36	1.24	0.62	0.0	20.0	0.0	13.6	4.9
13	0.65	12.2	0.7	11.21	0.96	0.48	0.0	20.0	0.0	10.6	3.8
14	0.76	12.4	0.8	13.44	1.16	0.58	0.0	20.0	0.0	12.8	4.6
15	0.76	12.6	0.8	13.7	1.18	0.59	0.0	20.0	0.0	13.0	4.6
16	0.76	12.7	0.8	13.94	1.2	0.6	0.0	20.0	0.0	13.2	4.7
17	0.76	12.9	0.8	14.13	1.22	0.61	0.0	20.0	0.0	13.4	4.8
18	0.76	13.1	0.8	14.3	1.23	0.61	0.0	20.0	0.0	13.6	4.8
19	0.76	13.2	0.8	14.43	1.24	0.62	0.0	20.0	0.0	13.7	4.9
20	0.76	13.4	0.8	14.52	1.25	0.62	0.0	20.0	0.0	13.8	4.9
21	0.76	13.6	0.8	14.58	1.25	0.63	0.0	20.0	0.0	13.8	4.9
22	0.76	13.7	0.8	14.6	1.26	0.63	0.0	20.0	0.0	13.8	4.9
23	0.76	13.9	0.8	14.58	1.25	0.63	0.0	20.0	0.0	13.8	4.9
24	0.76	14.1	0.8	14.54	1.25	0.63	0.0	20.0	0.0	13.8	4.9
25	0.76	14.2	0.8	14.45	1.24	0.62	0.0	20.0	0.0	13.7	4.9
26	0.76	14.4	0.8	14.33	1.23	0.62	0.0	20.0	0.0	13.6	4.8
27	0.76	14.6	0.8	14.17	1.22	0.61	0.0	20.0	0.0	13.4	4.8

28	0.76	14.8	0.8	13.98	1.2	0.6	0.0	20.0	0.0	13.2	4.7
29	0.76	14.9	0.8	13.76	1.18	0.59	0.0	20.0	0.0	13.0	4.6
30	0.76	15.1	0.8	13.49	1.16	0.58	0.0	20.0	0.0	12.7	4.6
31	0.76	15.3	0.8	13.19	1.13	0.57	0.0	20.0	0.0	12.5	4.5
32	0.76	15.4	0.8	12.86	1.11	0.55	0.0	20.0	0.0	12.1	4.3
33	0.76	15.6	0.8	12.48	1.07	0.54	0.0	20.0	0.0	11.8	4.2
34	0.76	15.8	0.8	12.07	1.04	0.52	0.0	20.0	0.0	11.4	4.1
35	0.76	16.0	0.8	11.63	1.0	0.5	0.0	20.0	0.0	11.0	3.9
36	0.76	16.1	0.8	11.15	0.96	0.48	0.0	20.0	0.0	10.5	3.8
37	0.76	16.3	0.8	10.63	0.91	0.46	0.0	20.0	0.0	10.0	3.6
38	0.76	16.5	0.8	10.08	0.87	0.43	0.0	20.0	0.0	9.5	3.4
39	0.76	16.6	0.8	9.48	0.82	0.41	0.0	20.0	0.0	8.9	3.2
40	0.76	16.8	0.8	8.86	0.76	0.38	0.0	20.0	0.0	8.3	3.0
41	0.76	17.0	0.8	8.19	0.7	0.35	0.0	20.0	0.0	7.7	2.8
42	0.76	17.2	0.8	7.49	0.64	0.32	0.0	20.0	0.0	7.1	2.5
43	0.76	17.3	0.8	6.75	0.58	0.29	0.0	20.0	0.0	6.4	2.3
44	0.76	17.5	0.8	5.97	0.51	0.26	0.0	20.0	0.0	5.6	2.0
45	0.76	17.7	0.8	5.15	0.44	0.22	0.0	20.0	0.0	4.9	1.7
46	0.76	17.9	0.8	4.3	0.37	0.19	0.0	20.0	0.0	4.1	1.4
47	0.76	18.0	0.8	3.41	0.29	0.15	0.0	20.0	0.0	3.2	1.1
48	0.76	18.2	0.8	2.49	0.21	0.11	0.0	20.0	0.0	2.3	0.8
49	0.76	18.4	0.8	1.52	0.13	0.07	0.0	20.0	0.0	1.4	0.5
50	0.76	18.5	0.8	0.52	0.04	0.02	0.0	20.0	0.0	0.5	0.2

1.97		1.72		1.65		1.02		1.49		1.46		1.44		1.47		2.11			
	1.84		1.75		1.06		1.47		1.46		1.46		1.45		1.5		8.78		
1.98		1.73		1.66		1.01		1.5		1.46		1.46		1.44		1.83			
	1.76		1.71		1.07		1.42		1.48		1.46		1.46		1.47		2.12		
2.02		1.79		1.68		1		1.51		1.47		1.47		1.45		1.67			
	1.79		1.73		1.09		1.4		1.49		1.47		1.48		1.46		2.27		
1.86		1.74		1.69		1.33		1.52		1.48		1.48		1.47		1.52		2.94	
	1.84		1.73		1.11		1.35		1.51		1.48		1.5		1.46		1.87		
2.18		1.8		1.78		1.11		1.5		1.5		1.49		1.48		1.5		3.59	
	1.79		1.79		1.15		1.27		1.52		1.49		1.51		1.48		1.58		
2.28		1.76		1.74		1.04		1.45		1.52		1.5		1.5		1.52		1.74	
	1.84		1.8		1.23		1.01		1.54		1.51		1.52		1.5		1.54		3.34
1.92		1.82		1.8		1.05		1.39		1.54		1.52		1.51		1.51		1.78	
	1.77		1.78		1.37		1		1.55		1.54		1.54		1.52		1.56		4.27
2.56		1.81		1.82		1.05		1.36		1.56		1.54		1.52		1.55		1.59	
	1.86		1.84		1.56		0.99		1.57		1.57		1.56		1.54		1.56		2.05
2.01		1.77		1.8		1.06		1.31		1.59		1.57		1.52		1.59		1.63	
	1.89		1.81		1.81		0.97		1.58		1.6		1.58		1.58		1.62		1.55
2.07		1.8		1.87		1.08		1.24		1.61		1.61		1.54		1.63		1.66	
	1.78		1.83		1.86		0.94		1.57		1.63		1.63		1.59		1.69		1.93
3.67		1.76		1.86		1.11		1.08		1.65		1.66		1.57		1.69		1.76	
																			1.79

Coltre di Frana  
 Peso unità di volume 19.6kN/m<sup>3</sup>  
 Angolo di resistenza a taglio 20°  
 Coesione 0 kN/m<sup>2</sup>

UG1  
 Peso unità di volume 19.6kN/m<sup>3</sup>  
 Angolo di resistenza a taglio 25.4°  
 Coesione 18.12 kN/m<sup>2</sup>



SEZIONE 2 ANTE / POST OPERAM (sup con fattore inferiore a 1.1)

**3 Analisi di stabilità dei pendii con BISHOP lungo la Sezione 3 Ante e Post operam (superfici con fattore di sicurezza inferiore a 1.1)**

Calcolo eseguito secondo	Utente
Numero di strati	2.0
Numero dei conci	50.0
Grado di sicurezza ritenuto accettabile	1.1
Coefficiente parziale resistenza	1.0
Analisi	Condizione drenata
Superficie di forma circolare	

**Maglia dei Centri**

Ascissa vertice sinistro inferiore xi	16.6 m
Ordinata vertice sinistro inferiore yi	107.86 m
Ascissa vertice destro superiore xs	365.44 m
Ordinata vertice destro superiore ys	210.85 m
Passo di ricerca	10.0
Numero di celle lungo x	10.0
Numero di celle lungo y	10.0

**Sisma**

Coefficiente azione sismica orizzontale	0.086
Coefficiente azione sismica verticale	0.043

**Vertici profilo**

Nr	X (m)	y (m)
1	1.99	7.87
2	61.25	14.69
3	77.39	16.1
4	100.27	18.26
5	124.56	22.37
6	190.96	40.95
7	224.81	49.71
8	232.43	50.96
9	241.03	53.12
10	284.4	65.53
11	316.95	75.34
12	384.57	90.87

**Vertici strato .....1**

N	X (m)	y (m)
1	1.99	7.87
2	61.25	14.69
3	80.57	16.4
4	126.92	15.91
5	227.29	43.95
6	235.08	44.94
7	276.19	56.32
8	291.57	67.7
9	316.95	75.34
10	362.98	85.91



11	384.57	90.87
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*Coefficienti parziali azioni*

Sfavorevoli: Permanenti, variabili	1.0	1.0
Favorevoli: Permanenti, variabili	1.0	1.0

*Coefficienti parziali per i parametri geotecnici del terreno*

Tangente angolo di resistenza al taglio	1.25
Coesione efficace	1.25
Coesione non drenata	1.4
Riduzione parametri geotecnici terreno	No

*Stratigrafia*

Strato	Coesione (kN/m <sup>2</sup> )	Coesione non drenata (kN/m <sup>2</sup> )	Angolo resistenza al taglio (°)	Peso unità di volume (kN/m <sup>3</sup> )	Peso unità di volume saturo (kN/m <sup>3</sup> )	Litologia
1	0		20	19.6		Coltre di frana
2	18.12		25.4	19.6		UG1

*Risultati analisi pendio [Utente]*

<i>F<sub>s</sub> minimo individuato</i>	0.93
<i>Ascissa centro superficie</i>	225.91 m
<i>Ordinata centro superficie</i>	210.85 m
<i>Raggio superficie</i>	157.09 m

*B: Larghezza del concio; Alfa: Angolo di inclinazione della base del concio; Li: Lunghezza della base del concio; Wi: Peso del concio ; Ui: Forze derivanti dalle pressioni neutre; Ni: forze agenti normalmente alla direzione di scivolamento; Ti: forze agenti parallelamente alla superficie di scivolamento; Fi: Angolo di attrito; c: coesione.*

$xc = 121.252 \quad yc = 107.857 \quad Rc = 88.45 \quad Fs=1.021$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.24	-6.4	1.2	4.27	0.37	0.18	0.0	20.0	0.0	4.5	1.6
2	1.24	-5.6	1.2	12.5	1.07	0.54	0.0	20.0	0.0	13.0	4.6
3	1.24	-4.8	1.2	20.3	1.75	0.87	0.0	20.0	0.0	21.0	7.5
4	1.24	-4.0	1.2	27.68	2.38	1.19	0.0	20.0	0.0	28.5	10.1
5	1.24	-3.2	1.2	34.64	2.98	1.49	0.0	20.0	0.0	35.4	12.6
6	1.24	-2.4	1.2	41.17	3.54	1.77	0.0	20.0	0.0	41.8	14.9
7	1.24	-1.6	1.2	47.29	4.07	2.03	0.0	20.0	0.0	47.8	17.0
8	1.24	-0.8	1.2	52.99	4.56	2.28	0.0	20.0	0.0	53.3	19.0
9	1.24	0.0	1.2	58.27	5.01	2.51	0.0	20.0	0.0	58.3	20.8
10	1.24	0.8	1.2	63.13	5.43	2.71	0.0	20.0	0.0	62.8	22.4
11	1.46	1.7	1.5	80.41	6.92	3.46	0.0	20.0	0.0	79.6	28.4
12	1.01	2.5	1.0	59.86	5.15	2.57	0.0	20.0	0.0	59.0	21.0

13	1.24	3.2	1.2	79.56	6.84	3.42	0.0	20.0	0.0	78.1	27.9
14	1.24	4.0	1.2	86.05	7.4	3.7	0.0	20.0	0.0	84.2	30.0
15	1.24	4.8	1.2	92.12	7.92	3.96	0.0	20.0	0.0	89.8	32.0
16	1.24	5.6	1.2	97.77	8.41	4.2	0.0	20.0	0.0	94.9	33.8
17	1.24	6.4	1.2	102.99	8.86	4.43	0.0	20.0	0.0	99.6	35.5
18	1.24	7.2	1.2	107.79	9.27	4.63	0.0	20.0	0.0	104.0	37.1
19	1.24	8.0	1.2	112.16	9.65	4.82	0.0	20.0	0.0	107.8	38.5
20	1.24	8.8	1.3	116.09	9.98	4.99	0.0	20.0	0.0	111.3	39.7
21	1.24	9.6	1.3	119.6	10.29	5.14	0.0	20.0	0.0	114.4	40.8
22	1.24	10.5	1.3	122.66	10.55	5.27	0.0	20.0	0.0	117.0	41.7
23	1.24	11.3	1.3	125.29	10.78	5.39	0.0	20.0	0.0	119.3	42.5
24	1.24	12.1	1.3	127.47	10.96	5.48	0.0	20.0	0.0	121.1	43.2
25	1.24	12.9	1.3	129.21	11.11	5.56	0.0	20.0	0.0	122.5	43.7
26	1.24	13.7	1.3	130.49	11.22	5.61	0.0	20.0	0.0	123.6	44.1
27	1.24	14.6	1.3	131.32	11.29	5.65	0.0	20.0	0.0	124.2	44.3
28	1.24	15.4	1.3	131.69	11.33	5.66	0.0	20.0	0.0	124.4	44.4
29	1.24	16.2	1.3	131.59	11.32	5.66	0.0	20.0	0.0	124.2	44.3
30	1.24	17.1	1.3	131.01	11.27	5.63	0.0	20.0	0.0	123.5	44.0
31	1.24	17.9	1.3	129.96	11.18	5.59	0.0	20.0	0.0	122.5	43.7
32	1.24	18.7	1.3	128.42	11.04	5.52	0.0	20.0	0.0	121.0	43.1
33	1.24	19.6	1.3	126.39	10.87	5.43	0.0	20.0	0.0	119.0	42.5
34	1.24	20.4	1.3	123.85	10.65	5.33	0.0	20.0	0.0	116.7	41.6
35	1.24	21.3	1.3	120.81	10.39	5.19	0.0	20.0	0.0	113.8	40.6
36	1.24	22.2	1.3	117.25	10.08	5.04	0.0	20.0	0.0	110.5	39.4
37	1.24	23.0	1.3	113.17	9.73	4.87	0.0	20.0	0.0	106.8	38.1
38	1.24	23.9	1.4	108.55	9.34	4.67	0.0	20.0	0.0	102.5	36.6
39	1.24	24.8	1.4	103.38	8.89	4.45	0.0	20.0	0.0	97.8	34.9
40	1.24	25.7	1.4	97.65	8.4	4.2	0.0	20.0	0.0	92.5	33.0
41	1.24	26.6	1.4	91.35	7.86	3.93	0.0	20.0	0.0	86.7	30.9
42	1.24	27.5	1.4	84.46	7.26	3.63	0.0	20.0	0.0	80.3	28.6
43	1.24	28.4	1.4	76.98	6.62	3.31	0.0	20.0	0.0	73.4	26.2
44	1.24	29.3	1.4	68.88	5.92	2.96	0.0	20.0	0.0	65.8	23.5
45	1.24	30.2	1.4	60.15	5.17	2.59	0.0	20.0	0.0	57.6	20.6
46	1.24	31.1	1.4	50.77	4.37	2.18	0.0	20.0	0.0	48.8	17.4
47	1.24	32.1	1.5	40.72	3.5	1.75	0.0	20.0	0.0	39.3	14.0
48	1.24	33.0	1.5	29.99	2.58	1.29	0.0	20.0	0.0	29.0	10.4
49	1.24	34.0	1.5	18.55	1.6	0.8	0.0	20.0	0.0	18.0	6.4
50	1.24	35.0	1.5	6.37	0.55	0.27	0.0	20.0	0.0	6.2	2.2

$$x_c = 156.137 \quad y_c = 107.857 \quad R_c = 76.137 \quad F_s = 0.962$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.71	1.7	0.7	1.26	0.11	0.05	0.0	20.0	0.0	1.2	0.5
2	0.71	2.3	0.7	3.71	0.32	0.16	0.0	20.0	0.0	3.7	1.4
3	0.71	2.8	0.7	6.07	0.52	0.26	0.0	20.0	0.0	6.0	2.3
4	0.71	3.3	0.7	8.34	0.72	0.36	0.0	20.0	0.0	8.2	3.1
5	0.71	3.9	0.7	10.51	0.9	0.45	0.0	20.0	0.0	10.3	3.9
6	0.71	4.4	0.7	12.58	1.08	0.54	0.0	20.0	0.0	12.3	4.6
7	0.71	4.9	0.7	14.57	1.25	0.63	0.0	20.0	0.0	14.2	5.4
8	0.71	5.5	0.7	16.45	1.41	0.71	0.0	20.0	0.0	15.9	6.0
9	0.71	6.0	0.7	18.24	1.57	0.78	0.0	20.0	0.0	17.6	6.7
10	0.71	6.6	0.7	19.94	1.71	0.86	0.0	20.0	0.0	19.2	7.3
11	0.71	7.1	0.7	21.54	1.85	0.93	0.0	20.0	0.0	20.7	7.8

12	0.71	7.7	0.7	23.04	1.98	0.99	0.0	20.0	0.0	22.1	8.4
13	0.71	8.2	0.7	24.45	2.1	1.05	0.0	20.0	0.0	23.4	8.9
14	0.71	8.7	0.7	25.76	2.22	1.11	0.0	20.0	0.0	24.6	9.3
15	0.71	9.3	0.7	26.97	2.32	1.16	0.0	20.0	0.0	25.7	9.7
16	0.71	9.8	0.7	28.08	2.42	1.21	0.0	20.0	0.0	26.7	10.1
17	0.71	10.4	0.7	29.1	2.5	1.25	0.0	20.0	0.0	27.7	10.5
18	0.71	10.9	0.7	30.02	2.58	1.29	0.0	20.0	0.0	28.5	10.8
19	0.71	11.5	0.7	30.84	2.65	1.33	0.0	20.0	0.0	29.2	11.1
20	0.71	12.0	0.7	31.56	2.71	1.36	0.0	20.0	0.0	29.9	11.3
21	0.71	12.6	0.7	32.17	2.77	1.38	0.0	20.0	0.0	30.4	11.5
22	0.71	13.1	0.7	32.69	2.81	1.41	0.0	20.0	0.0	30.8	11.7
23	0.71	13.7	0.7	33.11	2.85	1.42	0.0	20.0	0.0	31.2	11.8
24	0.71	14.2	0.7	33.42	2.87	1.44	0.0	20.0	0.0	31.5	11.9
25	0.71	14.8	0.7	33.63	2.89	1.45	0.0	20.0	0.0	31.6	12.0
26	0.71	15.3	0.7	33.74	2.9	1.45	0.0	20.0	0.0	31.7	12.0
27	0.71	15.9	0.7	33.74	2.9	1.45	0.0	20.0	0.0	31.7	12.0
28	0.71	16.5	0.7	33.64	2.89	1.45	0.0	20.0	0.0	31.5	11.9
29	0.71	17.0	0.7	33.43	2.87	1.44	0.0	20.0	0.0	31.3	11.9
30	0.71	17.6	0.7	33.11	2.85	1.42	0.0	20.0	0.0	31.0	11.7
31	0.71	18.1	0.8	32.68	2.81	1.41	0.0	20.0	0.0	30.6	11.6
32	0.71	18.7	0.8	32.15	2.76	1.38	0.0	20.0	0.0	30.1	11.4
33	0.71	19.3	0.8	31.5	2.71	1.35	0.0	20.0	0.0	29.5	11.2
34	0.71	19.9	0.8	30.74	2.64	1.32	0.0	20.0	0.0	28.8	10.9
35	0.71	20.4	0.8	29.87	2.57	1.28	0.0	20.0	0.0	27.9	10.6
36	0.71	21.0	0.8	28.89	2.48	1.24	0.0	20.0	0.0	27.0	10.2
37	0.71	21.6	0.8	27.79	2.39	1.19	0.0	20.0	0.0	26.0	9.8
38	0.71	22.2	0.8	26.57	2.28	1.14	0.0	20.0	0.0	24.9	9.4
39	0.71	22.7	0.8	25.23	2.17	1.09	0.0	20.0	0.0	23.6	8.9
40	0.71	23.3	0.8	23.78	2.04	1.02	0.0	20.0	0.0	22.3	8.4
41	0.71	23.9	0.8	22.2	1.91	0.95	0.0	20.0	0.0	20.8	7.9
42	0.71	24.5	0.8	20.5	1.76	0.88	0.0	20.0	0.0	19.2	7.3
43	0.71	25.1	0.8	18.68	1.61	0.8	0.0	20.0	0.0	17.5	6.6
44	0.71	25.7	0.8	16.73	1.44	0.72	0.0	20.0	0.0	15.7	5.9
45	0.71	26.3	0.8	14.65	1.26	0.63	0.0	20.0	0.0	13.8	5.2
46	0.75	26.9	0.8	12.93	1.11	0.56	0.0	20.0	0.0	12.2	4.6
47	0.68	27.5	0.8	9.51	0.82	0.41	0.0	20.0	0.0	9.0	3.4
48	0.71	28.1	0.8	7.32	0.63	0.31	0.0	20.0	0.0	6.9	2.6
49	0.71	28.7	0.8	4.49	0.39	0.19	0.0	20.0	0.0	4.2	1.6
50	0.71	29.3	0.8	1.53	0.13	0.07	0.0	20.0	0.0	1.5	0.5

$$x_c = 173.579 \quad y_c = 113.007 \quad R_c = 78.06 \quad F_s = 1.008$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.92	-2.4	0.9	2.7	0.23	0.12	0.0	20.0	0.0	2.7	1.0
2	0.92	-1.7	0.9	7.95	0.68	0.34	0.0	20.0	0.0	8.0	2.9
3	0.92	-1.1	0.9	13.01	1.12	0.56	0.0	20.0	0.0	13.1	4.7
4	0.92	-0.4	0.9	17.87	1.54	0.77	0.0	20.0	0.0	17.9	6.5
5	0.92	0.3	0.9	22.53	1.94	0.97	0.0	20.0	0.0	22.5	8.1
6	0.92	1.0	0.9	27.0	2.32	1.16	0.0	20.0	0.0	26.8	9.7
7	0.92	1.6	0.9	31.27	2.69	1.34	0.0	20.0	0.0	31.0	11.2
8	0.92	2.3	0.9	35.35	3.04	1.52	0.0	20.0	0.0	34.9	12.6
9	0.92	3.0	0.9	39.23	3.37	1.69	0.0	20.0	0.0	38.6	13.9
10	0.92	3.7	0.9	42.91	3.69	1.85	0.0	20.0	0.0	42.0	15.2

11	0.92	4.3	0.9	46.39	3.99	1.99	0.0	20.0	0.0	45.3	16.3
12	0.92	5.0	0.9	49.68	4.27	2.14	0.0	20.0	0.0	48.3	17.5
13	0.92	5.7	0.9	52.77	4.54	2.27	0.0	20.0	0.0	51.2	18.5
14	0.92	6.4	0.9	55.66	4.79	2.39	0.0	20.0	0.0	53.8	19.4
15	0.92	7.1	0.9	58.35	5.02	2.51	0.0	20.0	0.0	56.3	20.3
16	0.92	7.7	0.9	60.84	5.23	2.62	0.0	20.0	0.0	58.5	21.1
17	0.92	8.4	0.9	63.12	5.43	2.71	0.0	20.0	0.0	60.6	21.9
18	0.92	9.1	0.9	65.21	5.61	2.8	0.0	20.0	0.0	62.4	22.5
19	0.92	9.8	0.9	67.09	5.77	2.88	0.0	20.0	0.0	64.1	23.1
20	0.92	10.5	0.9	68.77	5.91	2.96	0.0	20.0	0.0	65.6	23.7
21	0.92	11.2	0.9	70.24	6.04	3.02	0.0	20.0	0.0	66.8	24.1
22	0.92	11.9	0.9	71.5	6.15	3.07	0.0	20.0	0.0	67.9	24.5
23	0.87	12.5	0.9	68.57	5.9	2.95	0.0	20.0	0.0	65.0	23.5
24	0.97	13.2	1.0	77.18	6.64	3.32	0.0	20.0	0.0	73.1	26.4
25	0.92	13.9	0.9	73.48	6.32	3.16	0.0	20.0	0.0	69.5	25.1
26	0.92	14.6	1.0	73.55	6.33	3.16	0.0	20.0	0.0	69.5	25.1
27	0.92	15.3	1.0	73.4	6.31	3.16	0.0	20.0	0.0	69.3	25.0
28	0.92	16.0	1.0	73.04	6.28	3.14	0.0	20.0	0.0	68.8	24.9
29	0.92	16.7	1.0	72.45	6.23	3.12	0.0	20.0	0.0	68.2	24.6
30	0.92	17.5	1.0	71.64	6.16	3.08	0.0	20.0	0.0	67.4	24.3
31	0.92	18.2	1.0	70.6	6.07	3.04	0.0	20.0	0.0	66.4	24.0
32	0.92	18.9	1.0	69.33	5.96	2.98	0.0	20.0	0.0	65.2	23.5
33	0.92	19.6	1.0	67.84	5.83	2.92	0.0	20.0	0.0	63.8	23.0
34	0.92	20.3	1.0	66.1	5.69	2.84	0.0	20.0	0.0	62.2	22.4
35	0.92	21.0	1.0	64.13	5.52	2.76	0.0	20.0	0.0	60.3	21.8
36	0.92	21.8	1.0	61.92	5.33	2.66	0.0	20.0	0.0	58.3	21.0
37	0.92	22.5	1.0	59.47	5.11	2.56	0.0	20.0	0.0	56.0	20.2
38	0.92	23.2	1.0	56.76	4.88	2.44	0.0	20.0	0.0	53.5	19.3
39	0.92	24.0	1.0	53.81	4.63	2.31	0.0	20.0	0.0	50.7	18.3
40	0.92	24.7	1.0	50.59	4.35	2.18	0.0	20.0	0.0	47.8	17.2
41	0.92	25.5	1.0	47.12	4.05	2.03	0.0	20.0	0.0	44.5	16.1
42	0.92	26.2	1.0	43.38	3.73	1.87	0.0	20.0	0.0	41.0	14.8
43	0.92	27.0	1.0	39.36	3.39	1.69	0.0	20.0	0.0	37.3	13.5
44	0.92	27.7	1.0	35.07	3.02	1.51	0.0	20.0	0.0	33.3	12.0
45	0.92	28.5	1.0	30.5	2.62	1.31	0.0	20.0	0.0	29.0	10.5
46	0.92	29.3	1.1	25.64	2.2	1.1	0.0	20.0	0.0	24.4	8.8
47	0.92	30.0	1.1	20.48	1.76	0.88	0.0	20.0	0.0	19.6	7.1
48	0.92	30.8	1.1	15.02	1.29	0.65	0.0	20.0	0.0	14.4	5.2
49	0.92	31.6	1.1	9.25	0.8	0.4	0.0	20.0	0.0	8.9	3.2
50	0.92	32.4	1.1	3.16	0.27	0.14	0.0	20.0	0.0	3.0	1.1

$$x_c = 191.021 \quad y_c = 107.857 \quad R_c = 69.892 \quad F_s = 1.065$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.98	-6.8	1.0	3.8	0.33	0.16	0.0	20.0	0.0	4.0	1.4
2	0.98	-6.0	1.0	11.21	0.96	0.48	0.0	20.0	0.0	11.7	4.0
3	0.98	-5.2	1.0	18.34	1.58	0.79	0.0	20.0	0.0	19.0	6.5
4	0.98	-4.4	1.0	25.2	2.17	1.08	0.0	20.0	0.0	26.0	8.9
5	0.98	-3.6	1.0	31.8	2.73	1.37	0.0	20.0	0.0	32.6	11.1
6	0.98	-2.8	1.0	38.13	3.28	1.64	0.0	20.0	0.0	38.8	13.3
7	0.98	-1.9	1.0	44.19	3.8	1.9	0.0	20.0	0.0	44.7	15.3
8	0.98	-1.1	1.0	49.98	4.3	2.15	0.0	20.0	0.0	50.3	17.2
9	0.84	-0.4	0.8	47.11	4.05	2.03	0.0	20.0	0.0	47.2	16.1

10	1.12	0.4	1.1	68.93	5.93	2.96	0.0	20.0	0.0	68.8	23.5
11	0.98	1.3	1.0	65.13	5.6	2.8	0.0	20.0	0.0	64.7	22.1
12	0.98	2.1	1.0	69.47	5.97	2.99	0.0	20.0	0.0	68.7	23.5
13	0.98	2.9	1.0	73.54	6.32	3.16	0.0	20.0	0.0	72.4	24.7
14	0.98	3.7	1.0	77.35	6.65	3.33	0.0	20.0	0.0	75.8	25.9
15	0.98	4.5	1.0	80.89	6.96	3.48	0.0	20.0	0.0	79.0	27.0
16	0.98	5.3	1.0	84.16	7.24	3.62	0.0	20.0	0.0	81.9	28.0
17	0.98	6.1	1.0	87.16	7.5	3.75	0.0	20.0	0.0	84.6	28.9
18	0.98	6.9	1.0	89.9	7.73	3.87	0.0	20.0	0.0	86.9	29.7
19	0.98	7.7	1.0	92.36	7.94	3.97	0.0	20.0	0.0	89.1	30.4
20	0.98	8.5	1.0	94.55	8.13	4.07	0.0	20.0	0.0	90.9	31.1
21	0.98	9.4	1.0	96.46	8.3	4.15	0.0	20.0	0.0	92.5	31.6
22	0.98	10.2	1.0	98.1	8.44	4.22	0.0	20.0	0.0	93.9	32.1
23	0.98	11.0	1.0	99.46	8.55	4.28	0.0	20.0	0.0	95.0	32.5
24	0.98	11.8	1.0	100.53	8.65	4.32	0.0	20.0	0.0	95.9	32.7
25	0.98	12.6	1.0	101.33	8.71	4.36	0.0	20.0	0.0	96.5	33.0
26	0.98	13.5	1.0	101.84	8.76	4.38	0.0	20.0	0.0	96.8	33.1
27	0.98	14.3	1.0	102.06	8.78	4.39	0.0	20.0	0.0	96.9	33.1
28	0.98	15.1	1.0	101.99	8.77	4.39	0.0	20.0	0.0	96.7	33.0
29	0.98	16.0	1.0	101.62	8.74	4.37	0.0	20.0	0.0	96.3	32.9
30	0.98	16.8	1.0	100.95	8.68	4.34	0.0	20.0	0.0	95.6	32.7
31	0.98	17.7	1.0	99.98	8.6	4.3	0.0	20.0	0.0	94.6	32.3
32	0.98	18.5	1.0	98.71	8.49	4.24	0.0	20.0	0.0	93.4	31.9
33	0.98	19.4	1.0	97.12	8.35	4.18	0.0	20.0	0.0	91.9	31.4
34	0.98	20.2	1.0	95.22	8.19	4.09	0.0	20.0	0.0	90.1	30.8
35	0.98	21.1	1.1	93.0	8.0	4.0	0.0	20.0	0.0	88.1	30.1
36	0.98	21.9	1.1	90.45	7.78	3.89	0.0	20.0	0.0	85.7	29.3
37	0.98	22.8	1.1	87.56	7.53	3.77	0.0	20.0	0.0	83.1	28.4
38	0.98	23.7	1.1	84.34	7.25	3.63	0.0	20.0	0.0	80.1	27.4
39	0.98	24.6	1.1	80.77	6.95	3.47	0.0	20.0	0.0	76.8	26.2
40	0.98	25.4	1.1	76.85	6.61	3.3	0.0	20.0	0.0	73.2	25.0
41	0.98	26.3	1.1	72.57	6.24	3.12	0.0	20.0	0.0	69.3	23.7
42	0.98	27.2	1.1	67.92	5.84	2.92	0.0	20.0	0.0	65.0	22.2
43	1.3	28.3	1.5	82.32	7.08	3.54	0.0	20.0	0.0	79.0	27.0
44	0.66	29.2	0.8	37.65	3.24	1.62	0.0	20.0	0.0	36.2	12.4
45	0.98	30.0	1.1	49.54	4.26	2.13	0.0	20.0	0.0	47.8	16.3
46	0.98	30.9	1.1	41.52	3.57	1.79	0.0	20.0	0.0	40.2	13.7
47	0.98	31.9	1.2	33.07	2.84	1.42	0.0	20.0	0.0	32.1	11.0
48	0.98	32.8	1.2	24.19	2.08	1.04	0.0	20.0	0.0	23.6	8.1
49	0.98	33.8	1.2	14.86	1.28	0.64	0.0	20.0	0.0	14.6	5.0
50	0.98	34.8	1.2	5.07	0.44	0.22	0.0	20.0	0.0	5.0	1.7

$$x_c = 225.906 \quad y_c = 107.857 \quad R_c = 57.854 \quad F_s = 1.02$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.51	1.0	0.5	0.38	0.03	0.02	0.0	20.0	0.0	0.4	0.1
2	0.51	1.5	0.5	1.11	0.1	0.05	0.0	20.0	0.0	1.1	0.4
3	0.51	2.0	0.5	1.79	0.15	0.08	0.0	20.0	0.0	1.8	0.6
4	0.51	2.5	0.5	2.43	0.21	0.1	0.0	20.0	0.0	2.4	0.9
5	0.51	3.0	0.5	3.02	0.26	0.13	0.0	20.0	0.0	3.0	1.1
6	0.51	3.5	0.5	3.56	0.31	0.15	0.0	20.0	0.0	3.5	1.2
7	0.51	4.0	0.5	4.06	0.35	0.17	0.0	20.0	0.0	4.0	1.4
8	0.51	4.5	0.5	4.52	0.39	0.19	0.0	20.0	0.0	4.4	1.6

9	0.51	5.0	0.5	4.93	0.42	0.21	0.0	20.0	0.0	4.8	1.7
10	0.51	5.5	0.5	5.29	0.46	0.23	0.0	20.0	0.0	5.1	1.8
11	0.7	6.1	0.7	7.78	0.67	0.33	0.0	20.0	0.0	7.5	2.7
12	0.32	6.6	0.3	3.8	0.33	0.16	0.0	20.0	0.0	3.7	1.3
13	0.51	7.1	0.5	6.62	0.57	0.28	0.0	20.0	0.0	6.4	2.3
14	0.51	7.6	0.5	7.25	0.62	0.31	0.0	20.0	0.0	7.0	2.5
15	0.51	8.1	0.5	7.83	0.67	0.34	0.0	20.0	0.0	7.5	2.7
16	0.51	8.6	0.5	8.37	0.72	0.36	0.0	20.0	0.0	8.0	2.9
17	0.51	9.1	0.5	8.86	0.76	0.38	0.0	20.0	0.0	8.5	3.0
18	0.51	9.6	0.5	9.3	0.8	0.4	0.0	20.0	0.0	8.9	3.2
19	0.51	10.1	0.5	9.7	0.83	0.42	0.0	20.0	0.0	9.3	3.3
20	0.51	10.6	0.5	10.05	0.86	0.43	0.0	20.0	0.0	9.6	3.4
21	0.51	11.2	0.5	10.35	0.89	0.44	0.0	20.0	0.0	9.9	3.5
22	0.51	11.7	0.5	10.6	0.91	0.46	0.0	20.0	0.0	10.1	3.6
23	0.51	12.2	0.5	10.81	0.93	0.46	0.0	20.0	0.0	10.3	3.7
24	0.51	12.7	0.5	10.96	0.94	0.47	0.0	20.0	0.0	10.4	3.7
25	0.51	13.2	0.5	11.07	0.95	0.48	0.0	20.0	0.0	10.5	3.7
26	0.51	13.7	0.5	11.13	0.96	0.48	0.0	20.0	0.0	10.5	3.8
27	0.51	14.3	0.5	11.14	0.96	0.48	0.0	20.0	0.0	10.5	3.8
28	0.61	14.8	0.6	13.29	1.14	0.57	0.0	20.0	0.0	12.6	4.5
29	0.41	15.4	0.4	8.89	0.76	0.38	0.0	20.0	0.0	8.4	3.0
30	0.51	15.8	0.5	11.11	0.96	0.48	0.0	20.0	0.0	10.5	3.7
31	0.51	16.4	0.5	11.09	0.95	0.48	0.0	20.0	0.0	10.5	3.7
32	0.51	16.9	0.5	11.03	0.95	0.47	0.0	20.0	0.0	10.4	3.7
33	0.51	17.4	0.5	10.92	0.94	0.47	0.0	20.0	0.0	10.3	3.7
34	0.51	17.9	0.5	10.75	0.92	0.46	0.0	20.0	0.0	10.1	3.6
35	0.51	18.5	0.5	10.53	0.91	0.45	0.0	20.0	0.0	9.9	3.5
36	0.51	19.0	0.5	10.26	0.88	0.44	0.0	20.0	0.0	9.7	3.4
37	0.51	19.6	0.5	9.93	0.85	0.43	0.0	20.0	0.0	9.4	3.3
38	0.51	20.1	0.5	9.55	0.82	0.41	0.0	20.0	0.0	9.0	3.2
39	0.51	20.6	0.5	9.12	0.78	0.39	0.0	20.0	0.0	8.6	3.1
40	0.51	21.2	0.5	8.63	0.74	0.37	0.0	20.0	0.0	8.1	2.9
41	0.51	21.7	0.5	8.09	0.7	0.35	0.0	20.0	0.0	7.6	2.7
42	0.51	22.3	0.6	7.48	0.64	0.32	0.0	20.0	0.0	7.1	2.5
43	0.51	22.8	0.6	6.83	0.59	0.29	0.0	20.0	0.0	6.4	2.3
44	0.51	23.4	0.6	6.11	0.53	0.26	0.0	20.0	0.0	5.8	2.1
45	0.51	23.9	0.6	5.34	0.46	0.23	0.0	20.0	0.0	5.0	1.8
46	0.51	24.5	0.6	4.5	0.39	0.19	0.0	20.0	0.0	4.3	1.5
47	0.51	25.0	0.6	3.61	0.31	0.16	0.0	20.0	0.0	3.4	1.2
48	0.51	25.6	0.6	2.66	0.23	0.11	0.0	20.0	0.0	2.5	0.9
49	0.51	26.1	0.6	1.64	0.14	0.07	0.0	20.0	0.0	1.6	0.6
50	0.51	26.7	0.6	0.56	0.05	0.02	0.0	20.0	0.0	0.5	0.2

$$x_c = 121.252 \quad y_c = 118.156 \quad R_c = 98.668 \quad F_s = 1.012$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.34	-5.7	1.3	4.78	0.41	0.21	0.0	20.0	0.0	5.0	1.8
2	1.34	-4.9	1.3	13.98	1.2	0.6	0.0	20.0	0.0	14.5	5.2
3	1.34	-4.1	1.3	22.71	1.95	0.98	0.0	20.0	0.0	23.4	8.4
4	1.34	-3.4	1.3	30.95	2.66	1.33	0.0	20.0	0.0	31.7	11.4
5	1.34	-2.6	1.3	38.71	3.33	1.66	0.0	20.0	0.0	39.4	14.2
6	1.34	-1.8	1.3	45.99	3.96	1.98	0.0	20.0	0.0	46.5	16.7
7	1.34	-1.0	1.3	52.8	4.54	2.27	0.0	20.0	0.0	53.1	19.1

8	1.34	-0.2	1.3	59.13	5.08	2.54	0.0	20.0	0.0	59.2	21.3
9	1.34	0.5	1.3	64.98	5.59	2.79	0.0	20.0	0.0	64.8	23.3
10	1.72	1.4	1.7	91.34	7.86	3.93	0.0	20.0	0.0	90.6	32.6
11	0.96	2.2	1.0	55.28	4.75	2.38	0.0	20.0	0.0	54.6	19.6
12	1.34	2.9	1.3	84.4	7.26	3.63	0.0	20.0	0.0	83.0	29.9
13	1.34	3.6	1.3	92.22	7.93	3.97	0.0	20.0	0.0	90.3	32.5
14	1.34	4.4	1.3	99.57	8.56	4.28	0.0	20.0	0.0	97.2	34.9
15	1.34	5.2	1.3	106.43	9.15	4.58	0.0	20.0	0.0	103.5	37.2
16	1.34	6.0	1.3	112.82	9.7	4.85	0.0	20.0	0.0	109.3	39.3
17	1.34	6.8	1.3	118.72	10.21	5.1	0.0	20.0	0.0	114.7	41.2
18	1.34	7.6	1.4	124.13	10.67	5.34	0.0	20.0	0.0	119.5	43.0
19	1.34	8.3	1.4	129.05	11.1	5.55	0.0	20.0	0.0	123.9	44.6
20	1.34	9.1	1.4	133.48	11.48	5.74	0.0	20.0	0.0	127.8	46.0
21	1.34	9.9	1.4	137.42	11.82	5.91	0.0	20.0	0.0	131.3	47.2
22	1.34	10.7	1.4	140.86	12.11	6.06	0.0	20.0	0.0	134.2	48.3
23	1.34	11.5	1.4	143.79	12.37	6.18	0.0	20.0	0.0	136.7	49.2
24	1.34	12.3	1.4	146.22	12.58	6.29	0.0	20.0	0.0	138.8	49.9
25	1.34	13.1	1.4	148.14	12.74	6.37	0.0	20.0	0.0	140.4	50.5
26	1.34	13.9	1.4	149.55	12.86	6.43	0.0	20.0	0.0	141.5	50.9
27	1.34	14.7	1.4	150.43	12.94	6.47	0.0	20.0	0.0	142.1	51.1
28	1.34	15.5	1.4	150.78	12.97	6.48	0.0	20.0	0.0	142.3	51.2
29	1.34	16.3	1.4	150.61	12.95	6.48	0.0	20.0	0.0	142.0	51.1
30	1.34	17.1	1.4	149.89	12.89	6.45	0.0	20.0	0.0	141.2	50.8
31	1.34	17.9	1.4	148.64	12.78	6.39	0.0	20.0	0.0	139.9	50.3
32	1.34	18.7	1.4	146.82	12.63	6.31	0.0	20.0	0.0	138.2	49.7
33	1.34	19.6	1.4	144.45	12.42	6.21	0.0	20.0	0.0	135.9	48.9
34	1.34	20.4	1.4	141.5	12.17	6.08	0.0	20.0	0.0	133.2	47.9
35	1.34	21.2	1.4	137.98	11.87	5.93	0.0	20.0	0.0	129.9	46.7
36	1.34	22.1	1.4	133.87	11.51	5.76	0.0	20.0	0.0	126.1	45.3
37	1.34	22.9	1.5	129.16	11.11	5.55	0.0	20.0	0.0	121.7	43.8
38	1.34	23.7	1.5	123.84	10.65	5.33	0.0	20.0	0.0	116.8	42.0
39	1.34	24.6	1.5	117.9	10.14	5.07	0.0	20.0	0.0	111.3	40.0
40	1.34	25.5	1.5	111.33	9.57	4.79	0.0	20.0	0.0	105.3	37.9
41	1.34	26.3	1.5	104.11	8.95	4.48	0.0	20.0	0.0	98.6	35.5
42	1.34	27.2	1.5	96.22	8.28	4.14	0.0	20.0	0.0	91.3	32.8
43	1.34	28.1	1.5	87.66	7.54	3.77	0.0	20.0	0.0	83.4	30.0
44	1.34	29.0	1.5	78.41	6.74	3.37	0.0	20.0	0.0	74.7	26.9
45	1.34	29.8	1.5	68.44	5.89	2.94	0.0	20.0	0.0	65.4	23.5
46	1.34	30.7	1.6	57.75	4.97	2.48	0.0	20.0	0.0	55.4	19.9
47	1.34	31.7	1.6	46.3	3.98	1.99	0.0	20.0	0.0	44.5	16.0
48	1.34	32.6	1.6	34.09	2.93	1.47	0.0	20.0	0.0	32.9	11.8
49	1.34	33.5	1.6	21.07	1.81	0.91	0.0	20.0	0.0	20.4	7.3
50	1.34	34.4	1.6	7.23	0.62	0.31	0.0	20.0	0.0	7.0	2.5

$$x_c = 138.695 \quad y_c = 123.306 \quad R_c = 98.197 \quad F_s = 0.975$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.17	-2.0	1.2	4.24	0.36	0.18	0.0	20.0	0.0	4.3	1.6
2	1.17	-1.3	1.2	12.49	1.07	0.54	0.0	20.0	0.0	12.6	4.7
3	1.17	-0.7	1.2	20.42	1.76	0.88	0.0	20.0	0.0	20.5	7.7
4	1.17	0.0	1.2	28.03	2.41	1.21	0.0	20.0	0.0	28.0	10.5
5	1.17	0.7	1.2	35.32	3.04	1.52	0.0	20.0	0.0	35.2	13.1
6	1.17	1.4	1.2	42.3	3.64	1.82	0.0	20.0	0.0	41.9	15.7

7	1.17	2.1	1.2	48.96	4.21	2.11	0.0	20.0	0.0	48.3	18.0
8	1.17	2.7	1.2	55.31	4.76	2.38	0.0	20.0	0.0	54.4	20.3
9	1.17	3.4	1.2	61.33	5.27	2.64	0.0	20.0	0.0	60.1	22.4
10	1.17	4.1	1.2	67.04	5.77	2.88	0.0	20.0	0.0	65.5	24.4
11	1.17	4.8	1.2	72.43	6.23	3.11	0.0	20.0	0.0	70.5	26.3
12	1.17	5.5	1.2	77.5	6.66	3.33	0.0	20.0	0.0	75.2	28.1
13	1.17	6.2	1.2	82.25	7.07	3.54	0.0	20.0	0.0	79.5	29.7
14	1.17	6.8	1.2	86.67	7.45	3.73	0.0	20.0	0.0	83.6	31.2
15	1.17	7.5	1.2	90.77	7.81	3.9	0.0	20.0	0.0	87.3	32.6
16	1.17	8.2	1.2	94.55	8.13	4.07	0.0	20.0	0.0	90.6	33.8
17	1.17	8.9	1.2	98.0	8.43	4.21	0.0	20.0	0.0	93.7	35.0
18	1.17	9.6	1.2	101.12	8.7	4.35	0.0	20.0	0.0	96.5	36.0
19	1.17	10.3	1.2	103.9	8.94	4.47	0.0	20.0	0.0	98.9	36.9
20	1.17	11.0	1.2	106.36	9.15	4.57	0.0	20.0	0.0	101.0	37.7
21	1.17	11.7	1.2	108.48	9.33	4.66	0.0	20.0	0.0	102.8	38.4
22	1.17	12.4	1.2	110.27	9.48	4.74	0.0	20.0	0.0	104.4	38.9
23	1.17	13.1	1.2	111.71	9.61	4.8	0.0	20.0	0.0	105.5	39.4
24	1.17	13.8	1.2	112.82	9.7	4.85	0.0	20.0	0.0	106.4	39.7
25	1.17	14.5	1.2	113.57	9.77	4.88	0.0	20.0	0.0	107.0	39.9
26	1.17	15.2	1.2	113.98	9.8	4.9	0.0	20.0	0.0	107.2	40.0
27	1.17	15.9	1.2	114.04	9.81	4.9	0.0	20.0	0.0	107.2	40.0
28	1.17	16.6	1.2	113.74	9.78	4.89	0.0	20.0	0.0	106.8	39.9
29	1.17	17.3	1.2	113.07	9.72	4.86	0.0	20.0	0.0	106.1	39.6
30	1.17	18.0	1.2	112.05	9.64	4.82	0.0	20.0	0.0	105.1	39.2
31	1.17	18.7	1.2	110.66	9.52	4.76	0.0	20.0	0.0	103.7	38.7
32	1.17	19.4	1.2	108.89	9.36	4.68	0.0	20.0	0.0	102.0	38.1
33	1.17	20.2	1.2	106.75	9.18	4.59	0.0	20.0	0.0	100.0	37.3
34	1.17	20.9	1.2	104.22	8.96	4.48	0.0	20.0	0.0	97.6	36.4
35	1.17	21.6	1.3	101.3	8.71	4.36	0.0	20.0	0.0	94.9	35.4
36	1.17	22.4	1.3	97.99	8.43	4.21	0.0	20.0	0.0	91.9	34.3
37	1.17	23.1	1.3	94.28	8.11	4.05	0.0	20.0	0.0	88.4	33.0
38	1.17	23.8	1.3	90.17	7.75	3.88	0.0	20.0	0.0	84.6	31.6
39	1.17	24.6	1.3	85.63	7.36	3.68	0.0	20.0	0.0	80.4	30.0
40	1.17	25.3	1.3	80.68	6.94	3.47	0.0	20.0	0.0	75.9	28.3
41	1.17	26.1	1.3	75.3	6.48	3.24	0.0	20.0	0.0	70.9	26.5
42	1.17	26.9	1.3	69.48	5.98	2.99	0.0	20.0	0.0	65.5	24.4
43	1.17	27.6	1.3	63.21	5.44	2.72	0.0	20.0	0.0	59.7	22.3
44	1.17	28.4	1.3	56.49	4.86	2.43	0.0	20.0	0.0	53.4	19.9
45	1.17	29.2	1.3	49.31	4.24	2.12	0.0	20.0	0.0	46.7	17.4
46	1.17	29.9	1.3	41.64	3.58	1.79	0.0	20.0	0.0	39.6	14.8
47	1.17	30.7	1.4	33.49	2.88	1.44	0.0	20.0	0.0	31.9	11.9
48	1.5	31.6	1.8	30.24	2.6	1.3	0.0	20.0	0.0	28.9	10.8
49	0.84	32.4	1.0	10.16	0.87	0.44	0.0	20.0	0.0	9.7	3.6
50	1.17	33.1	1.4	5.32	0.46	0.23	0.0	20.0	0.0	5.1	1.9

$$x_c = 156.137 \quad y_c = 118.156 \quad R_c = 86.227 \quad F_s = 0.964$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.78	2.1	0.8	1.47	0.13	0.06	0.0	20.0	0.0	1.5	0.5
2	0.78	2.6	0.8	4.34	0.37	0.19	0.0	20.0	0.0	4.3	1.6
3	0.78	3.1	0.8	7.1	0.61	0.31	0.0	20.0	0.0	7.0	2.6
4	0.78	3.6	0.8	9.75	0.84	0.42	0.0	20.0	0.0	9.5	3.6
5	0.78	4.2	0.8	12.28	1.06	0.53	0.0	20.0	0.0	12.0	4.5



6	0.78	4.7	0.8	14.71	1.27	0.63	0.0	20.0	0.0	14.3	5.4
7	0.78	5.2	0.8	17.03	1.46	0.73	0.0	20.0	0.0	16.5	6.2
8	0.78	5.7	0.8	19.24	1.65	0.83	0.0	20.0	0.0	18.6	7.0
9	0.78	6.2	0.8	21.34	1.84	0.92	0.0	20.0	0.0	20.6	7.8
10	0.78	6.8	0.8	23.32	2.01	1.0	0.0	20.0	0.0	22.5	8.5
11	0.78	7.3	0.8	25.2	2.17	1.08	0.0	20.0	0.0	24.2	9.1
12	0.78	7.8	0.8	26.96	2.32	1.16	0.0	20.0	0.0	25.9	9.8
13	0.78	8.3	0.8	28.62	2.46	1.23	0.0	20.0	0.0	27.4	10.3
14	0.78	8.9	0.8	30.16	2.59	1.3	0.0	20.0	0.0	28.8	10.9
15	0.78	9.4	0.8	31.58	2.72	1.36	0.0	20.0	0.0	30.1	11.4
16	0.78	9.9	0.8	32.9	2.83	1.41	0.0	20.0	0.0	31.3	11.8
17	0.78	10.5	0.8	34.1	2.93	1.47	0.0	20.0	0.0	32.4	12.2
18	0.78	11.0	0.8	35.18	3.03	1.51	0.0	20.0	0.0	33.4	12.6
19	0.78	11.5	0.8	36.15	3.11	1.55	0.0	20.0	0.0	34.3	12.9
20	0.78	12.0	0.8	37.01	3.18	1.59	0.0	20.0	0.0	35.0	13.2
21	0.78	12.6	0.8	37.75	3.25	1.62	0.0	20.0	0.0	35.7	13.5
22	0.78	13.1	0.8	38.37	3.3	1.65	0.0	20.0	0.0	36.2	13.7
23	0.78	13.6	0.8	38.87	3.34	1.67	0.0	20.0	0.0	36.6	13.8
24	0.78	14.2	0.8	39.25	3.38	1.69	0.0	20.0	0.0	37.0	13.9
25	0.78	14.7	0.8	39.52	3.4	1.7	0.0	20.0	0.0	37.2	14.0
26	0.78	15.3	0.8	39.66	3.41	1.71	0.0	20.0	0.0	37.3	14.1
27	0.78	15.8	0.8	39.69	3.41	1.71	0.0	20.0	0.0	37.3	14.1
28	0.78	16.3	0.8	39.59	3.4	1.7	0.0	20.0	0.0	37.1	14.0
29	0.78	16.9	0.8	39.37	3.39	1.69	0.0	20.0	0.0	36.9	13.9
30	0.78	17.4	0.8	39.02	3.36	1.68	0.0	20.0	0.0	36.6	13.8
31	0.78	18.0	0.8	38.55	3.32	1.66	0.0	20.0	0.0	36.1	13.6
32	0.78	18.5	0.8	37.95	3.26	1.63	0.0	20.0	0.0	35.5	13.4
33	0.78	19.1	0.8	37.23	3.2	1.6	0.0	20.0	0.0	34.8	13.1
34	0.78	19.6	0.8	36.37	3.13	1.56	0.0	20.0	0.0	34.0	12.8
35	0.78	20.2	0.8	35.39	3.04	1.52	0.0	20.0	0.0	33.1	12.5
36	0.78	20.7	0.8	34.27	2.95	1.47	0.0	20.0	0.0	32.1	12.1
37	0.78	21.3	0.8	33.02	2.84	1.42	0.0	20.0	0.0	30.9	11.7
38	0.78	21.8	0.8	31.64	2.72	1.36	0.0	20.0	0.0	29.6	11.2
39	0.78	22.4	0.8	30.12	2.59	1.3	0.0	20.0	0.0	28.2	10.6
40	0.78	23.0	0.8	28.46	2.45	1.22	0.0	20.0	0.0	26.6	10.1
41	0.79	23.5	0.9	26.92	2.31	1.16	0.0	20.0	0.0	25.2	9.5
42	0.77	24.1	0.8	24.34	2.09	1.05	0.0	20.0	0.0	22.8	8.6
43	0.78	24.7	0.9	22.27	1.91	0.96	0.0	20.0	0.0	20.9	7.9
44	0.78	25.2	0.9	19.79	1.7	0.85	0.0	20.0	0.0	18.6	7.0
45	0.78	25.8	0.9	17.16	1.48	0.74	0.0	20.0	0.0	16.1	6.1
46	0.78	26.4	0.9	14.39	1.24	0.62	0.0	20.0	0.0	13.5	5.1
47	0.78	27.0	0.9	11.47	0.99	0.49	0.0	20.0	0.0	10.8	4.1
48	0.78	27.6	0.9	8.39	0.72	0.36	0.0	20.0	0.0	7.9	3.0
49	0.78	28.2	0.9	5.15	0.44	0.22	0.0	20.0	0.0	4.9	1.8
50	0.78	28.7	0.9	1.76	0.15	0.08	0.0	20.0	0.0	1.7	0.6

$x_c = 173.579$   $y_c = 123.306$   $R_c = 88.15$   $F_s = 1.009$

Nr.	$B$ $m$	$\text{Alfa}$ $(^\circ)$	$Li$ $m$	$Wi$ $(kN)$	$Kh \cdot Wi$ $(kN)$	$Kv \cdot Wi$ $(kN)$	$c$ $(kN/m^2)$	$Fi$ $(^\circ)$	$Ui$ $(kN)$	$N'i$ $(kN)$	$Ti$ $(kN)$
1	1.0	-1.7	1.0	3.04	0.26	0.13	0.0	20.0	0.0	3.1	1.1
2	1.0	-1.1	1.0	8.95	0.77	0.38	0.0	20.0	0.0	9.0	3.3
3	1.0	-0.4	1.0	14.64	1.26	0.63	0.0	20.0	0.0	14.7	5.3
4	1.0	0.2	1.0	20.12	1.73	0.87	0.0	20.0	0.0	20.1	7.2

5	1.0	0.9	1.0	25.37	2.18	1.09	0.0	20.0	0.0	25.2	9.1
6	1.0	1.5	1.0	30.4	2.61	1.31	0.0	20.0	0.0	30.1	10.9
7	1.0	2.2	1.0	35.22	3.03	1.51	0.0	20.0	0.0	34.8	12.5
8	1.0	2.8	1.0	39.81	3.42	1.71	0.0	20.0	0.0	39.2	14.1
9	1.0	3.5	1.0	44.18	3.8	1.9	0.0	20.0	0.0	43.3	15.6
10	1.0	4.1	1.0	48.33	4.16	2.08	0.0	20.0	0.0	47.2	17.0
11	1.0	4.8	1.0	52.26	4.49	2.25	0.0	20.0	0.0	50.9	18.4
12	1.0	5.4	1.0	55.97	4.81	2.41	0.0	20.0	0.0	54.4	19.6
13	1.0	6.1	1.0	59.45	5.11	2.56	0.0	20.0	0.0	57.6	20.8
14	1.0	6.7	1.0	62.71	5.39	2.7	0.0	20.0	0.0	60.6	21.8
15	1.0	7.4	1.0	65.75	5.65	2.83	0.0	20.0	0.0	63.3	22.8
16	1.0	8.0	1.0	68.56	5.9	2.95	0.0	20.0	0.0	65.9	23.8
17	1.0	8.7	1.0	71.14	6.12	3.06	0.0	20.0	0.0	68.2	24.6
18	1.0	9.3	1.0	73.5	6.32	3.16	0.0	20.0	0.0	70.3	25.4
19	1.0	10.0	1.0	75.63	6.5	3.25	0.0	20.0	0.0	72.2	26.0
20	1.0	10.7	1.0	77.53	6.67	3.33	0.0	20.0	0.0	73.9	26.6
21	0.58	11.2	0.6	46.0	3.96	1.98	0.0	20.0	0.0	43.8	15.8
22	1.41	11.8	1.4	113.42	9.75	4.88	0.0	20.0	0.0	107.7	38.9
23	1.0	12.6	1.0	81.04	6.97	3.48	0.0	20.0	0.0	76.8	27.7
24	1.0	13.3	1.0	81.6	7.02	3.51	0.0	20.0	0.0	77.3	27.9
25	1.0	14.0	1.0	81.91	7.04	3.52	0.0	20.0	0.0	77.5	27.9
26	1.0	14.6	1.0	81.99	7.05	3.53	0.0	20.0	0.0	77.4	27.9
27	1.0	15.3	1.0	81.82	7.04	3.52	0.0	20.0	0.0	77.2	27.8
28	1.0	16.0	1.0	81.41	7.0	3.5	0.0	20.0	0.0	76.8	27.7
29	1.0	16.7	1.0	80.75	6.94	3.47	0.0	20.0	0.0	76.1	27.4
30	1.0	17.3	1.0	79.84	6.87	3.43	0.0	20.0	0.0	75.2	27.1
31	1.0	18.0	1.0	78.68	6.77	3.38	0.0	20.0	0.0	74.0	26.7
32	1.0	18.7	1.1	77.26	6.64	3.32	0.0	20.0	0.0	72.7	26.2
33	1.0	19.4	1.1	75.58	6.5	3.25	0.0	20.0	0.0	71.1	25.6
34	1.0	20.1	1.1	73.64	6.33	3.17	0.0	20.0	0.0	69.3	25.0
35	1.0	20.8	1.1	71.44	6.14	3.07	0.0	20.0	0.0	67.2	24.2
36	1.0	21.5	1.1	68.96	5.93	2.97	0.0	20.0	0.0	64.9	23.4
37	1.0	22.2	1.1	66.22	5.69	2.85	0.0	20.0	0.0	62.3	22.5
38	1.0	22.9	1.1	63.19	5.43	2.72	0.0	20.0	0.0	59.5	21.5
39	1.0	23.6	1.1	59.89	5.15	2.58	0.0	20.0	0.0	56.5	20.4
40	1.0	24.3	1.1	56.3	4.84	2.42	0.0	20.0	0.0	53.1	19.2
41	1.0	25.0	1.1	52.42	4.51	2.25	0.0	20.0	0.0	49.5	17.9
42	1.0	25.7	1.1	48.25	4.15	2.07	0.0	20.0	0.0	45.6	16.5
43	1.0	26.4	1.1	43.77	3.76	1.88	0.0	20.0	0.0	41.4	15.0
44	1.0	27.1	1.1	38.99	3.35	1.68	0.0	20.0	0.0	37.0	13.3
45	1.0	27.9	1.1	33.89	2.91	1.46	0.0	20.0	0.0	32.2	11.6
46	1.0	28.6	1.1	28.48	2.45	1.22	0.0	20.0	0.0	27.1	9.8
47	1.0	29.3	1.1	22.74	1.96	0.98	0.0	20.0	0.0	21.7	7.8
48	1.0	30.1	1.2	16.68	1.43	0.72	0.0	20.0	0.0	15.9	5.8
49	1.0	30.8	1.2	10.27	0.88	0.44	0.0	20.0	0.0	9.8	3.5
50	1.0	31.6	1.2	3.51	0.3	0.15	0.0	20.0	0.0	3.4	1.2

$x_c = 191.021$   $y_c = 118.156$   $R_c = 79.982$   $F_s = 1.074$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.06	-5.6	1.1	4.2	0.36	0.18	0.0	20.0	0.0	4.4	1.5
2	1.06	-4.9	1.1	12.39	1.07	0.53	0.0	20.0	0.0	12.8	4.3
3	1.06	-4.1	1.1	20.28	1.74	0.87	0.0	20.0	0.0	20.8	7.1

4	1.06	-3.4	1.1	27.88	2.4	1.2	0.0	20.0	0.0	28.5	9.7
5	1.06	-2.6	1.1	35.18	3.03	1.51	0.0	20.0	0.0	35.8	12.1
6	1.06	-1.8	1.1	42.19	3.63	1.81	0.0	20.0	0.0	42.7	14.5
7	1.06	-1.1	1.1	48.91	4.21	2.1	0.0	20.0	0.0	49.2	16.7
8	0.92	-0.4	0.9	47.58	4.09	2.05	0.0	20.0	0.0	47.7	16.2
9	1.2	0.4	1.2	68.94	5.93	2.96	0.0	20.0	0.0	68.8	23.3
10	1.06	1.2	1.1	66.57	5.72	2.86	0.0	20.0	0.0	66.1	22.4
11	1.06	2.0	1.1	71.66	6.16	3.08	0.0	20.0	0.0	70.9	24.0
12	1.06	2.7	1.1	76.46	6.58	3.29	0.0	20.0	0.0	75.3	25.5
13	1.06	3.5	1.1	80.97	6.96	3.48	0.0	20.0	0.0	79.5	26.9
14	1.06	4.2	1.1	85.19	7.33	3.66	0.0	20.0	0.0	83.3	28.2
15	1.06	5.0	1.1	89.11	7.66	3.83	0.0	20.0	0.0	86.9	29.5
16	1.06	5.8	1.1	92.73	7.97	3.99	0.0	20.0	0.0	90.1	30.6
17	1.06	6.5	1.1	96.06	8.26	4.13	0.0	20.0	0.0	93.1	31.6
18	1.06	7.3	1.1	99.09	8.52	4.26	0.0	20.0	0.0	95.7	32.5
19	1.06	8.1	1.1	101.83	8.76	4.38	0.0	20.0	0.0	98.1	33.3
20	1.06	8.8	1.1	104.26	8.97	4.48	0.0	20.0	0.0	100.2	34.0
21	1.06	9.6	1.1	106.39	9.15	4.57	0.0	20.0	0.0	102.1	34.6
22	1.06	10.4	1.1	108.22	9.31	4.65	0.0	20.0	0.0	103.6	35.1
23	1.06	11.1	1.1	109.74	9.44	4.72	0.0	20.0	0.0	104.8	35.5
24	1.06	11.9	1.1	110.95	9.54	4.77	0.0	20.0	0.0	105.8	35.9
25	1.06	12.7	1.1	111.85	9.62	4.81	0.0	20.0	0.0	106.5	36.1
26	1.06	13.5	1.1	112.44	9.67	4.83	0.0	20.0	0.0	106.9	36.3
27	1.06	14.2	1.1	112.7	9.69	4.85	0.0	20.0	0.0	107.1	36.3
28	1.06	15.0	1.1	112.65	9.69	4.84	0.0	20.0	0.0	106.9	36.2
29	1.06	15.8	1.1	112.28	9.66	4.83	0.0	20.0	0.0	106.5	36.1
30	1.06	16.6	1.1	111.57	9.6	4.8	0.0	20.0	0.0	105.7	35.8
31	1.06	17.4	1.1	110.54	9.51	4.75	0.0	20.0	0.0	104.7	35.5
32	1.06	18.2	1.1	109.17	9.39	4.69	0.0	20.0	0.0	103.4	35.1
33	1.06	19.0	1.1	107.46	9.24	4.62	0.0	20.0	0.0	101.8	34.5
34	1.06	19.8	1.1	105.4	9.06	4.53	0.0	20.0	0.0	99.8	33.8
35	1.06	20.6	1.1	103.0	8.86	4.43	0.0	20.0	0.0	97.6	33.1
36	1.06	21.4	1.1	100.23	8.62	4.31	0.0	20.0	0.0	95.0	32.2
37	1.06	22.2	1.1	97.11	8.35	4.18	0.0	20.0	0.0	92.1	31.2
38	1.06	23.1	1.2	93.62	8.05	4.03	0.0	20.0	0.0	88.9	30.1
39	1.06	23.9	1.2	89.76	7.72	3.86	0.0	20.0	0.0	85.4	28.9
40	0.86	24.7	0.9	69.45	5.97	2.99	0.0	20.0	0.0	66.1	22.4
41	1.26	25.5	1.4	95.44	8.21	4.1	0.0	20.0	0.0	91.0	30.9
42	1.06	26.4	1.2	72.28	6.22	3.11	0.0	20.0	0.0	69.1	23.4
43	1.06	27.3	1.2	64.74	5.57	2.78	0.0	20.0	0.0	62.0	21.0
44	1.06	28.1	1.2	56.79	4.88	2.44	0.0	20.0	0.0	54.5	18.5
45	1.06	29.0	1.2	48.41	4.16	2.08	0.0	20.0	0.0	46.6	15.8
46	1.06	29.9	1.2	39.59	3.4	1.7	0.0	20.0	0.0	38.2	13.0
47	1.06	30.7	1.2	30.4	2.61	1.31	0.0	20.0	0.0	29.4	10.0
48	1.06	31.6	1.2	21.49	1.85	0.92	0.0	20.0	0.0	20.9	7.1
49	1.06	32.5	1.3	13.31	1.14	0.57	0.0	20.0	0.0	13.0	4.4
50	1.06	33.4	1.3	4.56	0.39	0.2	0.0	20.0	0.0	4.5	1.5

$$x_c = 225.906 \quad y_c = 118.156 \quad R_c = 67.918 \quad F_s = 0.982$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.57	2.3	0.6	0.4	0.03	0.02	0.0	20.0	0.0	0.4	0.1
2	0.57	2.7	0.6	1.15	0.1	0.05	0.0	20.0	0.0	1.1	0.4

3	0.57	3.2	0.6	1.85	0.16	0.08	0.0	20.0	0.0	1.8	0.7
4	0.57	3.7	0.6	2.5	0.22	0.11	0.0	20.0	0.0	2.4	0.9
5	0.57	4.2	0.6	3.1	0.27	0.13	0.0	20.0	0.0	3.0	1.1
6	0.57	4.6	0.6	3.64	0.31	0.16	0.0	20.0	0.0	3.5	1.3
7	0.74	5.2	0.7	5.51	0.47	0.24	0.0	20.0	0.0	5.4	2.0
8	0.39	5.7	0.4	3.33	0.29	0.14	0.0	20.0	0.0	3.2	1.2
9	0.57	6.1	0.6	5.61	0.48	0.24	0.0	20.0	0.0	5.4	2.0
10	0.57	6.6	0.6	6.5	0.56	0.28	0.0	20.0	0.0	6.3	2.3
11	0.57	7.1	0.6	7.33	0.63	0.32	0.0	20.0	0.0	7.1	2.6
12	0.57	7.5	0.6	8.11	0.7	0.35	0.0	20.0	0.0	7.8	2.9
13	0.57	8.0	0.6	8.83	0.76	0.38	0.0	20.0	0.0	8.5	3.1
14	0.57	8.5	0.6	9.5	0.82	0.41	0.0	20.0	0.0	9.1	3.4
15	0.57	9.0	0.6	10.11	0.87	0.43	0.0	20.0	0.0	9.7	3.6
16	0.57	9.5	0.6	10.67	0.92	0.46	0.0	20.0	0.0	10.2	3.8
17	0.57	9.9	0.6	11.18	0.96	0.48	0.0	20.0	0.0	10.7	4.0
18	0.57	10.4	0.6	11.63	1.0	0.5	0.0	20.0	0.0	11.1	4.1
19	0.57	10.9	0.6	12.03	1.03	0.52	0.0	20.0	0.0	11.4	4.2
20	0.57	11.4	0.6	12.37	1.06	0.53	0.0	20.0	0.0	11.7	4.4
21	0.57	11.9	0.6	12.65	1.09	0.54	0.0	20.0	0.0	12.0	4.4
22	0.84	12.5	0.9	19.07	1.64	0.82	0.0	20.0	0.0	18.0	6.7
23	0.3	13.0	0.3	6.89	0.59	0.3	0.0	20.0	0.0	6.5	2.4
24	0.57	13.4	0.6	13.39	1.15	0.58	0.0	20.0	0.0	12.6	4.7
25	0.57	13.9	0.6	13.67	1.18	0.59	0.0	20.0	0.0	12.9	4.8
26	0.57	14.4	0.6	13.89	1.19	0.6	0.0	20.0	0.0	13.1	4.9
27	0.57	14.8	0.6	14.05	1.21	0.6	0.0	20.0	0.0	13.2	4.9
28	0.57	15.3	0.6	14.15	1.22	0.61	0.0	20.0	0.0	13.3	4.9
29	0.57	15.8	0.6	14.2	1.22	0.61	0.0	20.0	0.0	13.4	5.0
30	0.57	16.3	0.6	14.19	1.22	0.61	0.0	20.0	0.0	13.3	4.9
31	0.57	16.8	0.6	14.11	1.21	0.61	0.0	20.0	0.0	13.3	4.9
32	0.57	17.3	0.6	13.98	1.2	0.6	0.0	20.0	0.0	13.1	4.9
33	0.57	17.8	0.6	13.79	1.19	0.59	0.0	20.0	0.0	12.9	4.8
34	0.57	18.3	0.6	13.53	1.16	0.58	0.0	20.0	0.0	12.7	4.7
35	0.57	18.8	0.6	13.22	1.14	0.57	0.0	20.0	0.0	12.4	4.6
36	0.57	19.4	0.6	12.84	1.1	0.55	0.0	20.0	0.0	12.0	4.5
37	0.57	19.9	0.6	12.4	1.07	0.53	0.0	20.0	0.0	11.6	4.3
38	0.57	20.4	0.6	11.9	1.02	0.51	0.0	20.0	0.0	11.2	4.1
39	0.57	20.9	0.6	11.33	0.97	0.49	0.0	20.0	0.0	10.6	3.9
40	0.57	21.4	0.6	10.7	0.92	0.46	0.0	20.0	0.0	10.0	3.7
41	0.57	21.9	0.6	10.0	0.86	0.43	0.0	20.0	0.0	9.4	3.5
42	0.57	22.4	0.6	9.24	0.79	0.4	0.0	20.0	0.0	8.7	3.2
43	0.57	22.9	0.6	8.41	0.72	0.36	0.0	20.0	0.0	7.9	2.9
44	0.57	23.5	0.6	7.52	0.65	0.32	0.0	20.0	0.0	7.1	2.6
45	0.57	24.0	0.6	6.55	0.56	0.28	0.0	20.0	0.0	6.2	2.3
46	0.57	24.5	0.6	5.52	0.47	0.24	0.0	20.0	0.0	5.2	1.9
47	0.57	25.0	0.6	4.42	0.38	0.19	0.0	20.0	0.0	4.2	1.5
48	0.57	25.6	0.6	3.25	0.28	0.14	0.0	20.0	0.0	3.1	1.1
49	0.57	26.1	0.6	2.0	0.17	0.09	0.0	20.0	0.0	1.9	0.7
50	0.57	26.6	0.6	0.69	0.06	0.03	0.0	20.0	0.0	0.6	0.2

$x_c = 103.81$   $y_c = 133.605$   $R_c = 115.683$   $F_s = 1.09$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.22	-2.5	1.2	2.07	0.18	0.09	0.0	20.0	0.0	2.1	0.7

2	0.92	-2.0	0.9	4.11	0.35	0.18	0.0	20.0	0.0	4.2	1.4
3	1.53	-1.4	1.5	13.13	1.13	0.56	0.0	20.0	0.0	13.2	4.4
4	1.22	-0.7	1.2	16.67	1.43	0.72	0.0	20.0	0.0	16.7	5.6
5	1.22	-0.1	1.2	21.83	1.88	0.94	0.0	20.0	0.0	21.8	7.3
6	1.22	0.5	1.2	26.68	2.29	1.15	0.0	20.0	0.0	26.6	8.9
7	1.22	1.1	1.2	31.22	2.68	1.34	0.0	20.0	0.0	31.0	10.4
8	1.22	1.7	1.2	35.44	3.05	1.52	0.0	20.0	0.0	35.1	11.7
9	1.22	2.3	1.2	39.36	3.39	1.69	0.0	20.0	0.0	38.9	13.0
10	1.22	2.9	1.2	42.97	3.7	1.85	0.0	20.0	0.0	42.3	14.1
11	1.22	3.5	1.2	46.27	3.98	1.99	0.0	20.0	0.0	45.4	15.2
12	1.22	4.2	1.2	49.26	4.24	2.12	0.0	20.0	0.0	48.2	16.1
13	1.22	4.8	1.2	51.93	4.47	2.23	0.0	20.0	0.0	50.7	16.9
14	1.22	5.4	1.2	54.29	4.67	2.33	0.0	20.0	0.0	52.9	17.7
15	1.22	6.0	1.2	56.34	4.84	2.42	0.0	20.0	0.0	54.7	18.3
16	1.22	6.6	1.2	58.07	4.99	2.5	0.0	20.0	0.0	56.3	18.8
17	1.22	7.2	1.2	59.48	5.12	2.56	0.0	20.0	0.0	57.5	19.2
18	1.22	7.8	1.2	60.58	5.21	2.61	0.0	20.0	0.0	58.5	19.5
19	1.22	8.4	1.2	61.36	5.28	2.64	0.0	20.0	0.0	59.1	19.7
20	1.22	9.0	1.2	61.82	5.32	2.66	0.0	20.0	0.0	59.4	19.9
21	1.22	9.6	1.2	61.96	5.33	2.66	0.0	20.0	0.0	59.5	19.9
22	0.75	10.1	0.8	37.92	3.26	1.63	0.0	20.0	0.0	36.4	12.1
23	1.7	10.8	1.7	88.25	7.59	3.79	0.0	20.0	0.0	84.5	28.2
24	1.22	11.5	1.2	66.54	5.72	2.86	0.0	20.0	0.0	63.6	21.2
25	1.22	12.1	1.3	68.61	5.9	2.95	0.0	20.0	0.0	65.5	21.9
26	1.22	12.7	1.3	70.35	6.05	3.03	0.0	20.0	0.0	67.1	22.4
27	1.22	13.4	1.3	71.76	6.17	3.09	0.0	20.0	0.0	68.3	22.8
28	1.22	14.0	1.3	72.83	6.26	3.13	0.0	20.0	0.0	69.3	23.1
29	1.22	14.6	1.3	73.56	6.33	3.16	0.0	20.0	0.0	69.9	23.4
30	1.22	15.2	1.3	73.95	6.36	3.18	0.0	20.0	0.0	70.3	23.5
31	1.22	15.9	1.3	74.0	6.36	3.18	0.0	20.0	0.0	70.3	23.5
32	1.22	16.5	1.3	73.69	6.34	3.17	0.0	20.0	0.0	69.9	23.4
33	1.22	17.1	1.3	73.04	6.28	3.14	0.0	20.0	0.0	69.3	23.1
34	1.22	17.8	1.3	72.03	6.19	3.1	0.0	20.0	0.0	68.3	22.8
35	1.22	18.4	1.3	70.66	6.08	3.04	0.0	20.0	0.0	67.0	22.4
36	1.22	19.0	1.3	68.93	5.93	2.96	0.0	20.0	0.0	65.4	21.8
37	1.22	19.7	1.3	66.83	5.75	2.87	0.0	20.0	0.0	63.4	21.2
38	1.22	20.3	1.3	64.36	5.54	2.77	0.0	20.0	0.0	61.1	20.4
39	1.22	21.0	1.3	61.52	5.29	2.65	0.0	20.0	0.0	58.4	19.5
40	1.22	21.6	1.3	58.29	5.01	2.51	0.0	20.0	0.0	55.4	18.5
41	1.22	22.3	1.3	54.68	4.7	2.35	0.0	20.0	0.0	52.0	17.4
42	1.22	22.9	1.3	50.68	4.36	2.18	0.0	20.0	0.0	48.2	16.1
43	1.22	23.6	1.3	46.28	3.98	1.99	0.0	20.0	0.0	44.1	14.7
44	1.22	24.3	1.3	41.48	3.57	1.78	0.0	20.0	0.0	39.5	13.2
45	1.22	24.9	1.3	36.27	3.12	1.56	0.0	20.0	0.0	34.6	11.6
46	1.22	25.6	1.4	30.65	2.64	1.32	0.0	20.0	0.0	29.3	9.8
47	1.22	26.3	1.4	24.6	2.12	1.06	0.0	20.0	0.0	23.6	7.9
48	1.22	26.9	1.4	18.12	1.56	0.78	0.0	20.0	0.0	17.4	5.8
49	1.22	27.6	1.4	11.21	0.96	0.48	0.0	20.0	0.0	10.8	3.6
50	1.22	28.3	1.4	3.85	0.33	0.17	0.0	20.0	0.0	3.7	1.2

$x_c = 121.252$   $y_c = 128.456$   $R_c = 108.886$   $F_s = 1.005$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
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1	1.44	-5.1	1.4	5.31	0.46	0.23	0.0	20.0	0.0	5.5	2.0
2	1.44	-4.3	1.4	15.52	1.33	0.67	0.0	20.0	0.0	16.0	5.8
3	1.44	-3.6	1.4	25.18	2.17	1.08	0.0	20.0	0.0	25.8	9.3
4	1.44	-2.8	1.4	34.31	2.95	1.48	0.0	20.0	0.0	35.0	12.7
5	1.44	-2.0	1.4	42.9	3.69	1.84	0.0	20.0	0.0	43.5	15.7
6	1.44	-1.3	1.4	50.95	4.38	2.19	0.0	20.0	0.0	51.4	18.6
7	1.44	-0.5	1.4	58.46	5.03	2.51	0.0	20.0	0.0	58.7	21.2
8	1.44	0.2	1.4	65.44	5.63	2.81	0.0	20.0	0.0	65.3	23.7
9	2.14	1.2	2.1	109.2	9.39	4.7	0.0	20.0	0.0	108.4	39.3
10	0.74	1.9	0.7	41.07	3.53	1.77	0.0	20.0	0.0	40.6	14.7
11	1.44	2.5	1.4	87.68	7.54	3.77	0.0	20.0	0.0	86.4	31.3
12	1.44	3.3	1.4	97.0	8.34	4.17	0.0	20.0	0.0	95.2	34.5
13	1.44	4.0	1.4	105.77	9.1	4.55	0.0	20.0	0.0	103.4	37.4
14	1.44	4.8	1.4	114.01	9.8	4.9	0.0	20.0	0.0	111.0	40.2
15	1.44	5.5	1.4	121.7	10.47	5.23	0.0	20.0	0.0	118.1	42.8
16	1.44	6.3	1.4	128.84	11.08	5.54	0.0	20.0	0.0	124.6	45.1
17	1.44	7.1	1.5	135.44	11.65	5.82	0.0	20.0	0.0	130.6	47.3
18	1.44	7.8	1.5	141.49	12.17	6.08	0.0	20.0	0.0	136.0	49.3
19	1.44	8.6	1.5	146.99	12.64	6.32	0.0	20.0	0.0	140.9	51.0
20	1.44	9.4	1.5	151.93	13.07	6.53	0.0	20.0	0.0	145.3	52.6
21	1.44	10.1	1.5	156.31	13.44	6.72	0.0	20.0	0.0	149.1	54.0
22	1.44	10.9	1.5	160.13	13.77	6.89	0.0	20.0	0.0	152.4	55.2
23	1.44	11.7	1.5	163.38	14.05	7.03	0.0	20.0	0.0	155.2	56.2
24	1.44	12.5	1.5	166.06	14.28	7.14	0.0	20.0	0.0	157.5	57.0
25	1.44	13.2	1.5	168.17	14.46	7.23	0.0	20.0	0.0	159.2	57.7
26	1.44	14.0	1.5	169.69	14.59	7.3	0.0	20.0	0.0	160.4	58.1
27	1.44	14.8	1.5	170.62	14.67	7.34	0.0	20.0	0.0	161.1	58.3
28	1.44	15.6	1.5	170.96	14.7	7.35	0.0	20.0	0.0	161.2	58.4
29	1.44	16.4	1.5	170.7	14.68	7.34	0.0	20.0	0.0	160.8	58.2
30	1.44	17.2	1.5	169.83	14.61	7.3	0.0	20.0	0.0	159.9	57.9
31	1.44	18.0	1.5	168.35	14.48	7.24	0.0	20.0	0.0	158.4	57.4
32	1.44	18.7	1.5	166.24	14.3	7.15	0.0	20.0	0.0	156.3	56.6
33	1.44	19.6	1.5	163.5	14.06	7.03	0.0	20.0	0.0	153.7	55.7
34	1.44	20.4	1.5	160.11	13.77	6.88	0.0	20.0	0.0	150.5	54.5
35	1.44	21.2	1.5	156.08	13.42	6.71	0.0	20.0	0.0	146.8	53.2
36	1.44	22.0	1.6	151.38	13.02	6.51	0.0	20.0	0.0	142.4	51.6
37	1.44	22.8	1.6	146.01	12.56	6.28	0.0	20.0	0.0	137.5	49.8
38	1.44	23.6	1.6	139.95	12.04	6.02	0.0	20.0	0.0	131.9	47.8
39	1.44	24.5	1.6	133.2	11.46	5.73	0.0	20.0	0.0	125.6	45.5
40	1.44	25.3	1.6	125.73	10.81	5.41	0.0	20.0	0.0	118.7	43.0
41	1.44	26.1	1.6	117.54	10.11	5.05	0.0	20.0	0.0	111.2	40.3
42	1.44	27.0	1.6	108.61	9.34	4.67	0.0	20.0	0.0	102.9	37.3
43	1.44	27.8	1.6	98.91	8.51	4.25	0.0	20.0	0.0	93.9	34.0
44	1.44	28.7	1.6	88.44	7.61	3.8	0.0	20.0	0.0	84.1	30.5
45	1.44	29.6	1.7	77.17	6.64	3.32	0.0	20.0	0.0	73.6	26.7
46	1.44	30.4	1.7	65.09	5.6	2.8	0.0	20.0	0.0	62.2	22.5
47	1.44	31.3	1.7	52.17	4.49	2.24	0.0	20.0	0.0	50.0	18.1
48	1.44	32.2	1.7	38.39	3.3	1.65	0.0	20.0	0.0	36.9	13.4
49	1.44	33.1	1.7	23.72	2.04	1.02	0.0	20.0	0.0	22.9	8.3
50	1.44	34.0	1.7	8.14	0.7	0.35	0.0	20.0	0.0	7.9	2.9

$$x_c = 138.695 \quad y_c = 133.605 \quad R_c = 108.392 \quad F_s = 0.975$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
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1	1.26	-1.7	1.3	4.81	0.41	0.21	0.0	20.0	0.0	4.9	1.8
2	1.26	-1.0	1.3	14.17	1.22	0.61	0.0	20.0	0.0	14.3	5.3
3	1.26	-0.3	1.3	23.17	1.99	1.0	0.0	20.0	0.0	23.2	8.7
4	1.26	0.3	1.3	31.82	2.74	1.37	0.0	20.0	0.0	31.7	11.8
5	1.26	1.0	1.3	40.1	3.45	1.72	0.0	20.0	0.0	39.8	14.9
6	1.26	1.7	1.3	48.02	4.13	2.07	0.0	20.0	0.0	47.5	17.7
7	1.26	2.3	1.3	55.59	4.78	2.39	0.0	20.0	0.0	54.8	20.5
8	1.26	3.0	1.3	62.8	5.4	2.7	0.0	20.0	0.0	61.7	23.0
9	1.26	3.7	1.3	69.65	5.99	2.99	0.0	20.0	0.0	68.2	25.4
10	1.26	4.3	1.3	76.14	6.55	3.27	0.0	20.0	0.0	74.3	27.7
11	1.26	5.0	1.3	82.26	7.07	3.54	0.0	20.0	0.0	80.0	29.8
12	1.26	5.7	1.3	88.03	7.57	3.79	0.0	20.0	0.0	85.3	31.8
13	1.26	6.3	1.3	93.43	8.04	4.02	0.0	20.0	0.0	90.3	33.7
14	1.26	7.0	1.3	98.47	8.47	4.23	0.0	20.0	0.0	94.9	35.4
15	1.26	7.7	1.3	103.14	8.87	4.43	0.0	20.0	0.0	99.1	37.0
16	1.26	8.3	1.3	107.44	9.24	4.62	0.0	20.0	0.0	103.0	38.4
17	1.26	9.0	1.3	111.38	9.58	4.79	0.0	20.0	0.0	106.5	39.7
18	1.26	9.7	1.3	114.94	9.88	4.94	0.0	20.0	0.0	109.6	40.9
19	1.26	10.4	1.3	118.12	10.16	5.08	0.0	20.0	0.0	112.4	42.0
20	1.26	11.0	1.3	120.93	10.4	5.2	0.0	20.0	0.0	114.9	42.9
21	1.26	11.7	1.3	123.37	10.61	5.3	0.0	20.0	0.0	116.9	43.6
22	1.26	12.4	1.3	125.42	10.79	5.39	0.0	20.0	0.0	118.7	44.3
23	1.26	13.1	1.3	127.09	10.93	5.46	0.0	20.0	0.0	120.1	44.8
24	1.26	13.7	1.3	128.36	11.04	5.52	0.0	20.0	0.0	121.1	45.2
25	1.26	14.4	1.3	129.25	11.12	5.56	0.0	20.0	0.0	121.8	45.4
26	1.26	15.1	1.3	129.75	11.16	5.58	0.0	20.0	0.0	122.1	45.6
27	1.26	15.8	1.3	129.84	11.17	5.58	0.0	20.0	0.0	122.1	45.5
28	1.26	16.5	1.3	129.54	11.14	5.57	0.0	20.0	0.0	121.7	45.4
29	1.26	17.2	1.3	128.83	11.08	5.54	0.0	20.0	0.0	120.9	45.1
30	1.26	17.9	1.3	127.7	10.98	5.49	0.0	20.0	0.0	119.8	44.7
31	1.26	18.6	1.3	126.17	10.85	5.43	0.0	20.0	0.0	118.3	44.1
32	1.26	19.3	1.3	124.21	10.68	5.34	0.0	20.0	0.0	116.4	43.4
33	1.26	20.0	1.3	121.82	10.48	5.24	0.0	20.0	0.0	114.1	42.6
34	1.26	20.7	1.3	119.01	10.23	5.12	0.0	20.0	0.0	111.5	41.6
35	1.26	21.4	1.3	115.75	9.95	4.98	0.0	20.0	0.0	108.5	40.5
36	1.26	22.1	1.4	112.06	9.64	4.82	0.0	20.0	0.0	105.0	39.2
37	1.26	22.8	1.4	107.91	9.28	4.64	0.0	20.0	0.0	101.2	37.8
38	1.26	23.6	1.4	103.3	8.88	4.44	0.0	20.0	0.0	96.9	36.2
39	1.26	24.3	1.4	98.23	8.45	4.22	0.0	20.0	0.0	92.2	34.4
40	1.26	25.0	1.4	92.69	7.97	3.99	0.0	20.0	0.0	87.1	32.5
41	1.26	25.8	1.4	86.66	7.45	3.73	0.0	20.0	0.0	81.5	30.4
42	1.26	26.5	1.4	80.15	6.89	3.45	0.0	20.0	0.0	75.5	28.2
43	1.26	27.2	1.4	73.13	6.29	3.14	0.0	20.0	0.0	69.0	25.7
44	1.26	28.0	1.4	65.61	5.64	2.82	0.0	20.0	0.0	62.0	23.1
45	0.76	28.6	0.9	35.91	3.09	1.54	0.0	20.0	0.0	34.0	12.7
46	1.75	29.4	2.0	70.03	6.02	3.01	0.0	20.0	0.0	66.4	24.8
47	1.26	30.3	1.5	38.64	3.32	1.66	0.0	20.0	0.0	36.7	13.7
48	1.26	31.0	1.5	28.32	2.44	1.22	0.0	20.0	0.0	27.0	10.1
49	1.26	31.8	1.5	17.43	1.5	0.75	0.0	20.0	0.0	16.7	6.2
50	1.26	32.6	1.5	5.96	0.51	0.26	0.0	20.0	0.0	5.7	2.1

$xc = 156.137$   $yc = 128.456$   $Rc = 96.318$   $Fs=0.968$

Nr.	B	Alfa	Li	Wi	$Kh \cdot Wi$	$Kv \cdot Wi$	c	Fi	Ui	N'i	Ti
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	<i>m</i>	(°)	<i>m</i>	(kN)	(kN)	(kN)	(kN/m <sup>2</sup> )	(°)	(kN)	(kN)	(kN)
1	0.85	2.4	0.9	1.7	0.15	0.07	0.0	20.0	0.0	1.7	0.6
2	0.85	2.9	0.9	5.01	0.43	0.22	0.0	20.0	0.0	4.9	1.8
3	0.85	3.4	0.9	8.19	0.7	0.35	0.0	20.0	0.0	8.0	3.0
4	0.85	3.9	0.9	11.25	0.97	0.48	0.0	20.0	0.0	11.0	4.1
5	0.85	4.4	0.9	14.18	1.22	0.61	0.0	20.0	0.0	13.8	5.2
6	0.85	4.9	0.9	16.98	1.46	0.73	0.0	20.0	0.0	16.5	6.2
7	0.85	5.4	0.9	19.66	1.69	0.85	0.0	20.0	0.0	19.1	7.2
8	0.85	5.9	0.9	22.21	1.91	0.96	0.0	20.0	0.0	21.5	8.1
9	0.85	6.4	0.9	24.64	2.12	1.06	0.0	20.0	0.0	23.8	8.9
10	0.85	6.9	0.9	26.94	2.32	1.16	0.0	20.0	0.0	26.0	9.8
11	0.85	7.4	0.9	29.11	2.5	1.25	0.0	20.0	0.0	28.0	10.5
12	0.85	8.0	0.9	31.16	2.68	1.34	0.0	20.0	0.0	29.9	11.2
13	0.85	8.5	0.9	33.07	2.84	1.42	0.0	20.0	0.0	31.7	11.9
14	0.85	9.0	0.9	34.86	3.0	1.5	0.0	20.0	0.0	33.3	12.5
15	0.85	9.5	0.9	36.51	3.14	1.57	0.0	20.0	0.0	34.8	13.1
16	0.85	10.0	0.9	38.04	3.27	1.64	0.0	20.0	0.0	36.2	13.6
17	0.85	10.5	0.9	39.44	3.39	1.7	0.0	20.0	0.0	37.5	14.1
18	0.85	11.0	0.9	40.7	3.5	1.75	0.0	20.0	0.0	38.6	14.5
19	0.85	11.5	0.9	41.84	3.6	1.8	0.0	20.0	0.0	39.7	14.9
20	0.85	12.1	0.9	42.84	3.68	1.84	0.0	20.0	0.0	40.5	15.2
21	0.85	12.6	0.9	43.7	3.76	1.88	0.0	20.0	0.0	41.3	15.5
22	0.85	13.1	0.9	44.44	3.82	1.91	0.0	20.0	0.0	42.0	15.8
23	0.85	13.6	0.9	45.04	3.87	1.94	0.0	20.0	0.0	42.5	16.0
24	0.85	14.1	0.9	45.5	3.91	1.96	0.0	20.0	0.0	42.9	16.1
25	0.85	14.7	0.9	45.82	3.94	1.97	0.0	20.0	0.0	43.1	16.2
26	0.85	15.2	0.9	46.01	3.96	1.98	0.0	20.0	0.0	43.3	16.3
27	0.85	15.7	0.9	46.06	3.96	1.98	0.0	20.0	0.0	43.3	16.3
28	0.85	16.2	0.9	45.97	3.95	1.98	0.0	20.0	0.0	43.2	16.2
29	0.85	16.8	0.9	45.74	3.93	1.97	0.0	20.0	0.0	42.9	16.1
30	0.85	17.3	0.9	45.37	3.9	1.95	0.0	20.0	0.0	42.5	16.0
31	0.85	17.8	0.9	44.85	3.86	1.93	0.0	20.0	0.0	42.0	15.8
32	0.85	18.3	0.9	44.19	3.8	1.9	0.0	20.0	0.0	41.4	15.6
33	0.85	18.9	0.9	43.38	3.73	1.87	0.0	20.0	0.0	40.6	15.3
34	0.85	19.4	0.9	42.43	3.65	1.82	0.0	20.0	0.0	39.7	14.9
35	0.85	20.0	0.9	41.32	3.55	1.78	0.0	20.0	0.0	38.7	14.5
36	0.85	20.5	0.9	40.07	3.45	1.72	0.0	20.0	0.0	37.5	14.1
37	0.68	21.0	0.7	31.08	2.67	1.34	0.0	20.0	0.0	29.1	10.9
38	1.02	21.5	1.1	44.48	3.83	1.91	0.0	20.0	0.0	41.6	15.7
39	0.85	22.1	0.9	34.89	3.0	1.5	0.0	20.0	0.0	32.7	12.3
40	0.85	22.7	0.9	32.73	2.81	1.41	0.0	20.0	0.0	30.7	11.5
41	0.85	23.2	0.9	30.4	2.61	1.31	0.0	20.0	0.0	28.5	10.7
42	0.85	23.8	0.9	27.92	2.4	1.2	0.0	20.0	0.0	26.2	9.8
43	0.85	24.3	0.9	25.27	2.17	1.09	0.0	20.0	0.0	23.7	8.9
44	0.85	24.9	0.9	22.46	1.93	0.97	0.0	20.0	0.0	21.1	7.9
45	0.85	25.4	0.9	19.48	1.68	0.84	0.0	20.0	0.0	18.3	6.9
46	0.85	26.0	0.9	16.33	1.4	0.7	0.0	20.0	0.0	15.4	5.8
47	0.85	26.6	0.9	13.01	1.12	0.56	0.0	20.0	0.0	12.2	4.6
48	0.85	27.1	1.0	9.52	0.82	0.41	0.0	20.0	0.0	9.0	3.4
49	0.85	27.7	1.0	5.84	0.5	0.25	0.0	20.0	0.0	5.5	2.1
50	0.85	28.3	1.0	1.99	0.17	0.09	0.0	20.0	0.0	1.9	0.7

$x_c = 173.579$   $y_c = 133.605$   $R_c = 98.24$   $F_s = 1.01$



Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.07	-1.1	1.1	3.39	0.29	0.15	0.0	20.0	0.0	3.4	1.2
2	1.07	-0.5	1.1	9.99	0.86	0.43	0.0	20.0	0.0	10.0	3.6
3	1.07	0.1	1.1	16.34	1.41	0.7	0.0	20.0	0.0	16.3	5.9
4	1.07	0.7	1.1	22.45	1.93	0.97	0.0	20.0	0.0	22.3	8.1
5	1.07	1.4	1.1	28.31	2.43	1.22	0.0	20.0	0.0	28.1	10.1
6	1.07	2.0	1.1	33.93	2.92	1.46	0.0	20.0	0.0	33.5	12.1
7	1.07	2.6	1.1	39.3	3.38	1.69	0.0	20.0	0.0	38.7	13.9
8	1.07	3.2	1.1	44.43	3.82	1.91	0.0	20.0	0.0	43.6	15.7
9	1.07	3.9	1.1	49.32	4.24	2.12	0.0	20.0	0.0	48.3	17.4
10	1.07	4.5	1.1	53.95	4.64	2.32	0.0	20.0	0.0	52.6	19.0
11	1.07	5.1	1.1	58.35	5.02	2.51	0.0	20.0	0.0	56.7	20.4
12	1.07	5.7	1.1	62.49	5.37	2.69	0.0	20.0	0.0	60.6	21.8
13	1.07	6.4	1.1	66.38	5.71	2.85	0.0	20.0	0.0	64.2	23.1
14	1.07	7.0	1.1	70.03	6.02	3.01	0.0	20.0	0.0	67.6	24.3
15	1.07	7.6	1.1	73.42	6.31	3.16	0.0	20.0	0.0	70.7	25.5
16	1.07	8.3	1.1	76.57	6.59	3.29	0.0	20.0	0.0	73.5	26.5
17	1.07	8.9	1.1	79.46	6.83	3.42	0.0	20.0	0.0	76.1	27.4
18	1.07	9.5	1.1	82.1	7.06	3.53	0.0	20.0	0.0	78.5	28.3
19	0.59	10.0	0.6	46.1	3.96	1.98	0.0	20.0	0.0	44.0	15.9
20	1.55	10.6	1.6	124.52	10.71	5.35	0.0	20.0	0.0	118.7	42.8
21	1.07	11.4	1.1	87.57	7.53	3.77	0.0	20.0	0.0	83.3	30.0
22	1.07	12.1	1.1	88.71	7.63	3.81	0.0	20.0	0.0	84.2	30.4
23	1.07	12.7	1.1	89.59	7.71	3.85	0.0	20.0	0.0	84.9	30.6
24	1.07	13.3	1.1	90.21	7.76	3.88	0.0	20.0	0.0	85.4	30.8
25	1.07	14.0	1.1	90.56	7.79	3.89	0.0	20.0	0.0	85.6	30.9
26	1.07	14.6	1.1	90.65	7.8	3.9	0.0	20.0	0.0	85.6	30.9
27	1.07	15.3	1.1	90.46	7.78	3.89	0.0	20.0	0.0	85.4	30.8
28	1.07	15.9	1.1	90.01	7.74	3.87	0.0	20.0	0.0	84.9	30.6
29	1.07	16.6	1.1	89.27	7.68	3.84	0.0	20.0	0.0	84.1	30.3
30	1.07	17.2	1.1	88.27	7.59	3.8	0.0	20.0	0.0	83.1	30.0
31	1.07	17.9	1.1	86.97	7.48	3.74	0.0	20.0	0.0	81.9	29.5
32	1.07	18.5	1.1	85.4	7.34	3.67	0.0	20.0	0.0	80.4	29.0
33	1.07	19.2	1.1	83.54	7.18	3.59	0.0	20.0	0.0	78.6	28.3
34	1.07	19.9	1.1	81.39	7.0	3.5	0.0	20.0	0.0	76.6	27.6
35	1.07	20.5	1.1	78.94	6.79	3.39	0.0	20.0	0.0	74.3	26.8
36	1.07	21.2	1.1	76.2	6.55	3.28	0.0	20.0	0.0	71.7	25.8
37	1.07	21.9	1.2	73.16	6.29	3.15	0.0	20.0	0.0	68.9	24.8
38	1.07	22.5	1.2	69.81	6.0	3.0	0.0	20.0	0.0	65.7	23.7
39	1.07	23.2	1.2	66.15	5.69	2.84	0.0	20.0	0.0	62.3	22.5
40	1.07	23.9	1.2	62.17	5.35	2.67	0.0	20.0	0.0	58.6	21.1
41	1.07	24.6	1.2	57.88	4.98	2.49	0.0	20.0	0.0	54.6	19.7
42	1.07	25.3	1.2	53.26	4.58	2.29	0.0	20.0	0.0	50.3	18.1
43	1.07	26.0	1.2	48.31	4.15	2.08	0.0	20.0	0.0	45.7	16.5
44	1.07	26.7	1.2	43.02	3.7	1.85	0.0	20.0	0.0	40.8	14.7
45	1.07	27.4	1.2	37.39	3.22	1.61	0.0	20.0	0.0	35.5	12.8
46	1.07	28.1	1.2	31.41	2.7	1.35	0.0	20.0	0.0	29.9	10.8
47	1.07	28.8	1.2	25.08	2.16	1.08	0.0	20.0	0.0	23.9	8.6
48	1.07	29.5	1.2	18.38	1.58	0.79	0.0	20.0	0.0	17.5	6.3
49	1.07	30.2	1.2	11.31	0.97	0.49	0.0	20.0	0.0	10.8	3.9
50	1.07	30.9	1.2	3.87	0.33	0.17	0.0	20.0	0.0	3.7	1.3

$xc = 191.021$   $yc = 128.456$   $Rc = 90.073$   $Fs=1.079$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.14	-4.7	1.1	4.64	0.4	0.2	0.0	20.0	0.0	4.8	1.6
2	1.14	-4.0	1.1	13.69	1.18	0.59	0.0	20.0	0.0	14.0	4.7
3	1.14	-3.3	1.1	22.41	1.93	0.96	0.0	20.0	0.0	22.9	7.7
4	1.14	-2.5	1.1	30.8	2.65	1.32	0.0	20.0	0.0	31.3	10.6
5	1.14	-1.8	1.1	38.88	3.34	1.67	0.0	20.0	0.0	39.3	13.3
6	1.14	-1.1	1.1	46.63	4.01	2.01	0.0	20.0	0.0	46.9	15.8
7	1.07	-0.4	1.1	50.82	4.37	2.19	0.0	20.0	0.0	50.9	17.2
8	1.2	0.3	1.2	64.11	5.51	2.76	0.0	20.0	0.0	64.0	21.6
9	1.14	1.1	1.1	67.13	5.77	2.89	0.0	20.0	0.0	66.7	22.5
10	1.14	1.8	1.1	73.07	6.28	3.14	0.0	20.0	0.0	72.3	24.4
11	1.14	2.5	1.1	78.68	6.77	3.38	0.0	20.0	0.0	77.6	26.2
12	1.14	3.3	1.1	83.98	7.22	3.61	0.0	20.0	0.0	82.5	27.8
13	1.14	4.0	1.1	88.95	7.65	3.82	0.0	20.0	0.0	87.1	29.4
14	1.14	4.7	1.1	93.59	8.05	4.02	0.0	20.0	0.0	91.4	30.8
15	1.14	5.4	1.1	97.91	8.42	4.21	0.0	20.0	0.0	95.3	32.2
16	1.14	6.2	1.1	101.91	8.76	4.38	0.0	20.0	0.0	98.9	33.4
17	1.14	6.9	1.1	105.58	9.08	4.54	0.0	20.0	0.0	102.2	34.5
18	1.14	7.6	1.1	108.92	9.37	4.68	0.0	20.0	0.0	105.1	35.5
19	1.14	8.4	1.2	111.92	9.63	4.81	0.0	20.0	0.0	107.8	36.4
20	1.14	9.1	1.2	114.6	9.86	4.93	0.0	20.0	0.0	110.1	37.2
21	1.14	9.8	1.2	116.95	10.06	5.03	0.0	20.0	0.0	112.1	37.8
22	1.14	10.6	1.2	118.96	10.23	5.12	0.0	20.0	0.0	113.8	38.4
23	1.14	11.3	1.2	120.62	10.37	5.19	0.0	20.0	0.0	115.2	38.9
24	1.14	12.0	1.2	121.95	10.49	5.24	0.0	20.0	0.0	116.3	39.3
25	1.14	12.8	1.2	122.94	10.57	5.29	0.0	20.0	0.0	117.1	39.5
26	1.14	13.5	1.2	123.58	10.63	5.31	0.0	20.0	0.0	117.6	39.7
27	1.14	14.3	1.2	123.87	10.65	5.33	0.0	20.0	0.0	117.7	39.7
28	1.14	15.0	1.2	123.81	10.65	5.32	0.0	20.0	0.0	117.5	39.7
29	1.14	15.8	1.2	123.38	10.61	5.31	0.0	20.0	0.0	117.1	39.5
30	1.14	16.5	1.2	122.6	10.54	5.27	0.0	20.0	0.0	116.2	39.2
31	1.14	17.3	1.2	121.46	10.45	5.22	0.0	20.0	0.0	115.1	38.8
32	1.14	18.0	1.2	119.94	10.32	5.16	0.0	20.0	0.0	113.7	38.4
33	1.14	18.8	1.2	118.06	10.15	5.08	0.0	20.0	0.0	111.9	37.7
34	1.14	19.6	1.2	115.79	9.96	4.98	0.0	20.0	0.0	109.7	37.0
35	1.14	20.3	1.2	113.14	9.73	4.86	0.0	20.0	0.0	107.2	36.2
36	1.14	21.1	1.2	110.09	9.47	4.73	0.0	20.0	0.0	104.4	35.2
37	0.76	21.8	0.8	71.77	6.17	3.09	0.0	20.0	0.0	68.1	23.0
38	1.52	22.6	1.6	135.57	11.66	5.83	0.0	20.0	0.0	128.8	43.4
39	1.14	23.5	1.2	94.13	8.09	4.05	0.0	20.0	0.0	89.5	30.2
40	1.14	24.3	1.2	87.04	7.49	3.74	0.0	20.0	0.0	82.9	28.0
41	1.14	25.1	1.3	79.52	6.84	3.42	0.0	20.0	0.0	75.8	25.6
42	1.14	25.9	1.3	71.57	6.16	3.08	0.0	20.0	0.0	68.4	23.1
43	1.55	26.8	1.7	84.08	7.23	3.62	0.0	20.0	0.0	80.5	27.2
44	0.72	27.6	0.8	33.92	2.92	1.46	0.0	20.0	0.0	32.5	11.0
45	1.14	28.3	1.3	47.59	4.09	2.05	0.0	20.0	0.0	45.7	15.4
46	1.14	29.1	1.3	40.05	3.44	1.72	0.0	20.0	0.0	38.6	13.0
47	1.14	30.0	1.3	32.04	2.76	1.38	0.0	20.0	0.0	31.0	10.4
48	1.14	30.8	1.3	23.53	2.02	1.01	0.0	20.0	0.0	22.8	7.7
49	1.14	31.6	1.3	14.51	1.25	0.62	0.0	20.0	0.0	14.1	4.8
50	1.14	32.5	1.4	4.97	0.43	0.21	0.0	20.0	0.0	4.8	1.6

$$x_c = 225.906 \quad y_c = 128.456 \quad R_c = 77.982 \quad F_s = 0.96$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.62	3.4	0.6	0.4	0.03	0.02	0.0	20.0	0.0	0.4	0.1
2	0.62	3.8	0.6	1.15	0.1	0.05	0.0	20.0	0.0	1.1	0.4
3	0.62	4.3	0.6	1.84	0.16	0.08	0.0	20.0	0.0	1.8	0.7
4	0.38	4.7	0.4	1.47	0.13	0.06	0.0	20.0	0.0	1.4	0.5
5	0.85	5.1	0.9	4.67	0.4	0.2	0.0	20.0	0.0	4.5	1.7
6	0.62	5.7	0.6	4.79	0.41	0.21	0.0	20.0	0.0	4.6	1.8
7	0.62	6.1	0.6	5.9	0.51	0.25	0.0	20.0	0.0	5.7	2.2
8	0.62	6.6	0.6	6.95	0.6	0.3	0.0	20.0	0.0	6.7	2.5
9	0.62	7.0	0.6	7.94	0.68	0.34	0.0	20.0	0.0	7.6	2.9
10	0.62	7.5	0.6	8.87	0.76	0.38	0.0	20.0	0.0	8.5	3.2
11	0.62	7.9	0.6	9.73	0.84	0.42	0.0	20.0	0.0	9.3	3.5
12	0.62	8.4	0.6	10.54	0.91	0.45	0.0	20.0	0.0	10.1	3.8
13	0.62	8.9	0.6	11.28	0.97	0.49	0.0	20.0	0.0	10.8	4.1
14	0.62	9.3	0.6	11.97	1.03	0.51	0.0	20.0	0.0	11.4	4.3
15	0.62	9.8	0.6	12.59	1.08	0.54	0.0	20.0	0.0	12.0	4.5
16	0.62	10.2	0.6	13.15	1.13	0.57	0.0	20.0	0.0	12.5	4.7
17	0.62	10.7	0.6	13.65	1.17	0.59	0.0	20.0	0.0	13.0	4.9
18	0.33	11.1	0.3	7.46	0.64	0.32	0.0	20.0	0.0	7.1	2.7
19	0.91	11.5	0.9	21.36	1.84	0.92	0.0	20.0	0.0	20.2	7.7
20	0.62	12.1	0.6	15.28	1.31	0.66	0.0	20.0	0.0	14.5	5.5
21	0.62	12.6	0.6	15.79	1.36	0.68	0.0	20.0	0.0	14.9	5.7
22	0.62	13.0	0.6	16.23	1.4	0.7	0.0	20.0	0.0	15.3	5.8
23	0.62	13.5	0.6	16.61	1.43	0.71	0.0	20.0	0.0	15.7	5.9
24	0.62	14.0	0.6	16.92	1.46	0.73	0.0	20.0	0.0	15.9	6.0
25	0.62	14.4	0.6	17.17	1.48	0.74	0.0	20.0	0.0	16.2	6.1
26	0.62	14.9	0.6	17.36	1.49	0.75	0.0	20.0	0.0	16.3	6.2
27	0.62	15.4	0.6	17.48	1.5	0.75	0.0	20.0	0.0	16.4	6.2
28	0.62	15.8	0.6	17.53	1.51	0.75	0.0	20.0	0.0	16.5	6.2
29	0.62	16.3	0.6	17.52	1.51	0.75	0.0	20.0	0.0	16.4	6.2
30	0.62	16.8	0.6	17.43	1.5	0.75	0.0	20.0	0.0	16.3	6.2
31	0.62	17.3	0.6	17.29	1.49	0.74	0.0	20.0	0.0	16.2	6.1
32	0.62	17.7	0.6	17.07	1.47	0.73	0.0	20.0	0.0	16.0	6.1
33	0.62	18.2	0.7	16.78	1.44	0.72	0.0	20.0	0.0	15.7	6.0
34	0.62	18.7	0.7	16.43	1.41	0.71	0.0	20.0	0.0	15.4	5.8
35	0.62	19.2	0.7	16.01	1.38	0.69	0.0	20.0	0.0	15.0	5.7
36	0.62	19.6	0.7	15.51	1.33	0.67	0.0	20.0	0.0	14.5	5.5
37	0.62	20.1	0.7	14.95	1.29	0.64	0.0	20.0	0.0	14.0	5.3
38	0.62	20.6	0.7	14.31	1.23	0.62	0.0	20.0	0.0	13.4	5.1
39	0.62	21.1	0.7	13.6	1.17	0.58	0.0	20.0	0.0	12.7	4.8
40	0.62	21.6	0.7	12.82	1.1	0.55	0.0	20.0	0.0	12.0	4.5
41	0.62	22.1	0.7	11.96	1.03	0.51	0.0	20.0	0.0	11.2	4.2
42	0.62	22.6	0.7	11.03	0.95	0.47	0.0	20.0	0.0	10.3	3.9
43	0.62	23.1	0.7	10.03	0.86	0.43	0.0	20.0	0.0	9.4	3.6
44	0.62	23.6	0.7	8.95	0.77	0.38	0.0	20.0	0.0	8.4	3.2
45	0.62	24.1	0.7	7.79	0.67	0.33	0.0	20.0	0.0	7.3	2.8
46	0.62	24.6	0.7	6.55	0.56	0.28	0.0	20.0	0.0	6.1	2.3
47	0.62	25.0	0.7	5.24	0.45	0.23	0.0	20.0	0.0	4.9	1.9
48	0.62	25.6	0.7	3.84	0.33	0.17	0.0	20.0	0.0	3.6	1.4
49	0.62	26.1	0.7	2.37	0.2	0.1	0.0	20.0	0.0	2.2	0.8
50	0.62	26.6	0.7	0.81	0.07	0.03	0.0	20.0	0.0	0.8	0.3

$x_c = 243.348$   $y_c = 133.605$   $R_c = 79.502$   $F_s = 0.947$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.8	1.1	0.8	1.68	0.14	0.07	0.0	20.0	0.0	1.7	0.6
2	0.8	1.7	0.8	4.95	0.43	0.21	0.0	20.0	0.0	4.9	1.9
3	0.8	2.3	0.8	8.1	0.7	0.35	0.0	20.0	0.0	8.0	3.1
4	0.8	2.8	0.8	11.12	0.96	0.48	0.0	20.0	0.0	10.9	4.2
5	0.8	3.4	0.8	14.02	1.21	0.6	0.0	20.0	0.0	13.7	5.3
6	0.8	4.0	0.8	16.78	1.44	0.72	0.0	20.0	0.0	16.4	6.3
7	0.8	4.6	0.8	19.42	1.67	0.84	0.0	20.0	0.0	18.9	7.3
8	0.8	5.2	0.8	21.94	1.89	0.94	0.0	20.0	0.0	21.3	8.2
9	0.8	5.7	0.8	24.33	2.09	1.05	0.0	20.0	0.0	23.5	9.1
10	0.8	6.3	0.8	26.59	2.29	1.14	0.0	20.0	0.0	25.7	9.9
11	0.8	6.9	0.8	28.72	2.47	1.23	0.0	20.0	0.0	27.6	10.6
12	0.8	7.5	0.8	30.72	2.64	1.32	0.0	20.0	0.0	29.5	11.3
13	0.8	8.1	0.8	32.6	2.8	1.4	0.0	20.0	0.0	31.2	12.0
14	0.8	8.6	0.8	34.34	2.95	1.48	0.0	20.0	0.0	32.8	12.6
15	0.8	9.2	0.8	35.96	3.09	1.55	0.0	20.0	0.0	34.3	13.2
16	0.8	9.8	0.8	37.44	3.22	1.61	0.0	20.0	0.0	35.6	13.7
17	0.8	10.4	0.8	38.8	3.34	1.67	0.0	20.0	0.0	36.8	14.2
18	0.8	11.0	0.8	40.02	3.44	1.72	0.0	20.0	0.0	37.9	14.6
19	0.8	11.6	0.8	41.11	3.54	1.77	0.0	20.0	0.0	38.9	15.0
20	0.8	12.1	0.8	42.06	3.62	1.81	0.0	20.0	0.0	39.7	15.3
21	0.8	12.7	0.8	42.88	3.69	1.84	0.0	20.0	0.0	40.4	15.6
22	0.8	13.3	0.8	43.57	3.75	1.87	0.0	20.0	0.0	41.0	15.8
23	0.8	13.9	0.8	44.12	3.79	1.9	0.0	20.0	0.0	41.5	16.0
24	0.8	14.5	0.8	44.53	3.83	1.91	0.0	20.0	0.0	41.8	16.1
25	0.8	15.1	0.8	44.8	3.85	1.93	0.0	20.0	0.0	42.0	16.2
26	0.8	15.7	0.8	44.94	3.86	1.93	0.0	20.0	0.0	42.1	16.2
27	0.8	16.3	0.8	44.93	3.86	1.93	0.0	20.0	0.0	42.1	16.2
28	0.8	16.9	0.8	44.78	3.85	1.93	0.0	20.0	0.0	41.9	16.1
29	0.8	17.5	0.8	44.49	3.83	1.91	0.0	20.0	0.0	41.6	16.0
30	0.8	18.1	0.8	44.05	3.79	1.89	0.0	20.0	0.0	41.2	15.8
31	0.8	18.7	0.8	43.47	3.74	1.87	0.0	20.0	0.0	40.6	15.6
32	0.8	19.3	0.8	42.74	3.68	1.84	0.0	20.0	0.0	39.9	15.3
33	0.8	19.9	0.8	41.85	3.6	1.8	0.0	20.0	0.0	39.1	15.0
34	0.8	20.6	0.9	40.82	3.51	1.76	0.0	20.0	0.0	38.1	14.7
35	0.8	21.2	0.9	39.64	3.41	1.7	0.0	20.0	0.0	37.0	14.2
36	0.8	21.8	0.9	38.3	3.29	1.65	0.0	20.0	0.0	35.7	13.7
37	0.8	22.4	0.9	36.8	3.16	1.58	0.0	20.0	0.0	34.4	13.2
38	0.8	23.0	0.9	35.14	3.02	1.51	0.0	20.0	0.0	32.8	12.6
39	0.8	23.7	0.9	33.33	2.87	1.43	0.0	20.0	0.0	31.1	12.0
40	0.8	24.3	0.9	31.34	2.7	1.35	0.0	20.0	0.0	29.3	11.3
41	0.8	24.9	0.9	29.2	2.51	1.26	0.0	20.0	0.0	27.3	10.5
42	0.8	25.6	0.9	26.88	2.31	1.16	0.0	20.0	0.0	25.2	9.7
43	0.8	26.2	0.9	24.4	2.1	1.05	0.0	20.0	0.0	22.9	8.8
44	0.8	26.8	0.9	21.74	1.87	0.93	0.0	20.0	0.0	20.4	7.8
45	0.8	27.5	0.9	18.9	1.63	0.81	0.0	20.0	0.0	17.8	6.8
46	0.8	28.1	0.9	15.89	1.37	0.68	0.0	20.0	0.0	14.9	5.7
47	0.8	28.8	0.9	12.69	1.09	0.55	0.0	20.0	0.0	12.0	4.6
48	0.8	29.5	0.9	9.3	0.8	0.4	0.0	20.0	0.0	8.8	3.4
49	0.8	30.1	0.9	5.72	0.49	0.25	0.0	20.0	0.0	5.4	2.1
50	0.8	30.8	0.9	1.95	0.17	0.08	0.0	20.0	0.0	1.8	0.7

$x_c = 103.81$   $y_c = 143.905$   $R_c = 125.902$   $F_s = 1.067$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.63	-2.0	1.6	3.45	0.3	0.15	0.0	20.0	0.0	3.5	1.2
2	1.0	-1.4	1.0	6.01	0.52	0.26	0.0	20.0	0.0	6.1	2.1
3	1.31	-0.9	1.3	13.54	1.16	0.58	0.0	20.0	0.0	13.6	4.6
4	1.31	-0.3	1.3	19.59	1.68	0.84	0.0	20.0	0.0	19.6	6.7
5	1.31	0.3	1.3	25.29	2.18	1.09	0.0	20.0	0.0	25.2	8.6
6	1.31	0.9	1.3	30.64	2.64	1.32	0.0	20.0	0.0	30.5	10.4
7	1.31	1.5	1.3	35.64	3.06	1.53	0.0	20.0	0.0	35.3	12.0
8	1.31	2.1	1.3	40.28	3.46	1.73	0.0	20.0	0.0	39.8	13.6
9	1.31	2.7	1.3	44.57	3.83	1.92	0.0	20.0	0.0	43.9	15.0
10	1.31	3.3	1.3	48.5	4.17	2.09	0.0	20.0	0.0	47.6	16.2
11	1.31	3.9	1.3	52.08	4.48	2.24	0.0	20.0	0.0	51.0	17.4
12	1.31	4.5	1.3	55.31	4.76	2.38	0.0	20.0	0.0	54.0	18.4
13	1.31	5.1	1.3	58.17	5.0	2.5	0.0	20.0	0.0	56.7	19.3
14	1.31	5.7	1.3	60.68	5.22	2.61	0.0	20.0	0.0	59.0	20.1
15	1.31	6.3	1.3	62.84	5.4	2.7	0.0	20.0	0.0	60.9	20.8
16	1.31	6.9	1.3	64.63	5.56	2.78	0.0	20.0	0.0	62.5	21.3
17	1.31	7.5	1.3	66.06	5.68	2.84	0.0	20.0	0.0	63.8	21.7
18	1.31	8.1	1.3	67.13	5.77	2.89	0.0	20.0	0.0	64.7	22.1
19	1.31	8.7	1.3	67.84	5.83	2.92	0.0	20.0	0.0	65.2	22.2
20	0.97	9.3	1.0	50.1	4.31	2.15	0.0	20.0	0.0	48.1	16.4
21	1.66	9.9	1.7	89.24	7.67	3.84	0.0	20.0	0.0	85.5	29.2
22	1.31	10.6	1.3	74.36	6.39	3.2	0.0	20.0	0.0	71.1	24.3
23	1.31	11.2	1.3	77.33	6.65	3.33	0.0	20.0	0.0	73.8	25.2
24	1.31	11.8	1.3	79.93	6.87	3.44	0.0	20.0	0.0	76.2	26.0
25	1.31	12.4	1.3	82.15	7.06	3.53	0.0	20.0	0.0	78.2	26.7
26	1.31	13.0	1.3	83.99	7.22	3.61	0.0	20.0	0.0	79.9	27.3
27	1.31	13.6	1.4	85.45	7.35	3.67	0.0	20.0	0.0	81.2	27.7
28	1.31	14.2	1.4	86.53	7.44	3.72	0.0	20.0	0.0	82.2	28.0
29	1.31	14.8	1.4	87.22	7.5	3.75	0.0	20.0	0.0	82.7	28.2
30	1.31	15.5	1.4	87.52	7.53	3.76	0.0	20.0	0.0	83.0	28.3
31	1.31	16.1	1.4	87.42	7.52	3.76	0.0	20.0	0.0	82.8	28.3
32	1.31	16.7	1.4	86.93	7.48	3.74	0.0	20.0	0.0	82.3	28.1
33	1.31	17.3	1.4	86.03	7.4	3.7	0.0	20.0	0.0	81.5	27.8
34	1.31	18.0	1.4	84.73	7.29	3.64	0.0	20.0	0.0	80.2	27.4
35	1.31	18.6	1.4	83.02	7.14	3.57	0.0	20.0	0.0	78.6	26.8
36	1.31	19.2	1.4	80.9	6.96	3.48	0.0	20.0	0.0	76.6	26.1
37	1.31	19.9	1.4	78.35	6.74	3.37	0.0	20.0	0.0	74.2	25.3
38	1.31	20.5	1.4	75.38	6.48	3.24	0.0	20.0	0.0	71.4	24.3
39	1.31	21.1	1.4	71.98	6.19	3.1	0.0	20.0	0.0	68.2	23.3
40	1.31	21.8	1.4	68.15	5.86	2.93	0.0	20.0	0.0	64.6	22.0
41	1.31	22.4	1.4	63.88	5.49	2.75	0.0	20.0	0.0	60.6	20.7
42	1.31	23.1	1.4	59.16	5.09	2.54	0.0	20.0	0.0	56.1	19.1
43	1.31	23.7	1.4	53.99	4.64	2.32	0.0	20.0	0.0	51.3	17.5
44	1.31	24.4	1.4	48.35	4.16	2.08	0.0	20.0	0.0	46.0	15.7
45	1.31	25.0	1.4	42.25	3.63	1.82	0.0	20.0	0.0	40.2	13.7
46	1.31	25.7	1.5	35.68	3.07	1.53	0.0	20.0	0.0	34.0	11.6
47	1.31	26.4	1.5	28.62	2.46	1.23	0.0	20.0	0.0	27.3	9.3
48	1.31	27.0	1.5	21.07	1.81	0.91	0.0	20.0	0.0	20.2	6.9
49	1.31	27.7	1.5	13.03	1.12	0.56	0.0	20.0	0.0	12.5	4.3
50	1.31	28.4	1.5	4.47	0.38	0.19	0.0	20.0	0.0	4.3	1.5

$x_c = 121.252$   $y_c = 138.755$   $R_c = 119.105$   $F_s = 0.999$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.54	-4.5	1.5	5.85	0.5	0.25	0.0	20.0	0.0	6.0	2.2
2	1.54	-3.8	1.5	17.1	1.47	0.74	0.0	20.0	0.0	17.6	6.4
3	1.54	-3.1	1.5	27.74	2.39	1.19	0.0	20.0	0.0	28.3	10.3
4	1.54	-2.3	1.5	37.78	3.25	1.62	0.0	20.0	0.0	38.4	14.0
5	1.54	-1.6	1.5	47.22	4.06	2.03	0.0	20.0	0.0	47.7	17.4
6	1.54	-0.8	1.5	56.05	4.82	2.41	0.0	20.0	0.0	56.4	20.5
7	1.54	-0.1	1.5	64.29	5.53	2.76	0.0	20.0	0.0	64.3	23.4
8	1.54	0.6	1.5	71.93	6.19	3.09	0.0	20.0	0.0	71.6	26.1
9	1.19	1.3	1.2	60.62	5.21	2.61	0.0	20.0	0.0	60.1	21.9
10	1.89	2.0	1.9	107.59	9.25	4.63	0.0	20.0	0.0	106.3	38.7
11	1.54	2.9	1.5	100.08	8.61	4.3	0.0	20.0	0.0	98.4	35.8
12	1.54	3.6	1.5	110.45	9.5	4.75	0.0	20.0	0.0	108.2	39.4
13	1.54	4.4	1.5	120.21	10.34	5.17	0.0	20.0	0.0	117.3	42.7
14	1.54	5.1	1.5	129.36	11.13	5.56	0.0	20.0	0.0	125.8	45.8
15	1.54	5.8	1.5	137.91	11.86	5.93	0.0	20.0	0.0	133.6	48.7
16	1.54	6.6	1.5	145.84	12.54	6.27	0.0	20.0	0.0	140.9	51.3
17	1.54	7.3	1.6	153.17	13.17	6.59	0.0	20.0	0.0	147.5	53.7
18	1.54	8.1	1.6	159.88	13.75	6.87	0.0	20.0	0.0	153.5	55.9
19	1.54	8.8	1.6	165.96	14.27	7.14	0.0	20.0	0.0	159.0	57.9
20	1.54	9.6	1.6	171.43	14.74	7.37	0.0	20.0	0.0	163.8	59.7
21	1.54	10.3	1.6	176.27	15.16	7.58	0.0	20.0	0.0	168.0	61.2
22	1.54	11.1	1.6	180.48	15.52	7.76	0.0	20.0	0.0	171.7	62.5
23	1.54	11.8	1.6	184.06	15.83	7.91	0.0	20.0	0.0	174.7	63.6
24	1.54	12.6	1.6	187.0	16.08	8.04	0.0	20.0	0.0	177.2	64.5
25	1.54	13.4	1.6	189.29	16.28	8.14	0.0	20.0	0.0	179.1	65.2
26	1.54	14.1	1.6	190.92	16.42	8.21	0.0	20.0	0.0	180.3	65.7
27	1.54	14.9	1.6	191.9	16.5	8.25	0.0	20.0	0.0	181.0	65.9
28	1.54	15.7	1.6	192.22	16.53	8.27	0.0	20.0	0.0	181.1	66.0
29	1.54	16.4	1.6	191.86	16.5	8.25	0.0	20.0	0.0	180.6	65.8
30	1.54	17.2	1.6	190.82	16.41	8.21	0.0	20.0	0.0	179.5	65.4
31	1.54	18.0	1.6	189.09	16.26	8.13	0.0	20.0	0.0	177.8	64.8
32	1.54	18.8	1.6	186.67	16.05	8.03	0.0	20.0	0.0	175.4	63.9
33	1.54	19.5	1.6	183.54	15.78	7.89	0.0	20.0	0.0	172.5	62.8
34	1.54	20.3	1.6	179.69	15.45	7.73	0.0	20.0	0.0	168.8	61.5
35	1.54	21.1	1.7	175.11	15.06	7.53	0.0	20.0	0.0	164.6	59.9
36	1.54	21.9	1.7	169.79	14.6	7.3	0.0	20.0	0.0	159.6	58.1
37	1.54	22.7	1.7	163.72	14.08	7.04	0.0	20.0	0.0	154.0	56.1
38	1.54	23.5	1.7	156.89	13.49	6.75	0.0	20.0	0.0	147.7	53.8
39	1.54	24.3	1.7	149.28	12.84	6.42	0.0	20.0	0.0	140.7	51.2
40	1.54	25.1	1.7	140.87	12.11	6.06	0.0	20.0	0.0	132.9	48.4
41	1.54	26.0	1.7	131.65	11.32	5.66	0.0	20.0	0.0	124.4	45.3
42	1.54	26.8	1.7	121.61	10.46	5.23	0.0	20.0	0.0	115.1	41.9
43	1.54	27.6	1.7	110.72	9.52	4.76	0.0	20.0	0.0	105.0	38.2
44	1.54	28.5	1.8	98.97	8.51	4.26	0.0	20.0	0.0	94.0	34.2
45	1.54	29.3	1.8	86.34	7.43	3.71	0.0	20.0	0.0	82.2	29.9
46	1.54	30.2	1.8	72.8	6.26	3.13	0.0	20.0	0.0	69.5	25.3
47	1.54	31.0	1.8	58.33	5.02	2.51	0.0	20.0	0.0	55.8	20.3
48	1.54	31.9	1.8	42.91	3.69	1.85	0.0	20.0	0.0	41.2	15.0
49	1.54	32.8	1.8	26.51	2.28	1.14	0.0	20.0	0.0	25.5	9.3

50 1.54 33.7 1.8 9.1 0.78 0.39 0.0 20.0 0.0 8.8 3.2

$x_c = 138.695$   $y_c = 143.905$   $R_c = 118.509$   $F_s = 0.976$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.33	-1.2	1.3	5.3	0.46	0.23	0.0	20.0	0.0	5.3	2.0
2	1.33	-0.6	1.3	15.6	1.34	0.67	0.0	20.0	0.0	15.7	5.8
3	1.33	0.1	1.3	25.51	2.19	1.1	0.0	20.0	0.0	25.5	9.5
4	1.33	0.7	1.3	35.03	3.01	1.51	0.0	20.0	0.0	34.9	13.0
5	1.33	1.4	1.3	44.16	3.8	1.9	0.0	20.0	0.0	43.8	16.3
6	1.33	2.0	1.3	52.89	4.55	2.27	0.0	20.0	0.0	52.2	19.5
7	1.33	2.7	1.3	61.23	5.27	2.63	0.0	20.0	0.0	60.2	22.5
8	1.33	3.3	1.3	69.17	5.95	2.97	0.0	20.0	0.0	67.8	25.3
9	1.33	3.9	1.3	76.72	6.6	3.3	0.0	20.0	0.0	75.0	28.0
10	1.33	4.6	1.3	83.87	7.21	3.61	0.0	20.0	0.0	81.7	30.5
11	1.33	5.2	1.3	90.63	7.79	3.9	0.0	20.0	0.0	88.0	32.8
12	1.33	5.9	1.3	96.99	8.34	4.17	0.0	20.0	0.0	93.9	35.0
13	1.33	6.5	1.3	102.95	8.85	4.43	0.0	20.0	0.0	99.4	37.1
14	1.33	7.2	1.3	108.51	9.33	4.67	0.0	20.0	0.0	104.5	39.0
15	1.33	7.8	1.3	113.67	9.78	4.89	0.0	20.0	0.0	109.1	40.7
16	1.33	8.5	1.3	118.42	10.18	5.09	0.0	20.0	0.0	113.4	42.3
17	1.33	9.1	1.4	122.77	10.56	5.28	0.0	20.0	0.0	117.3	43.8
18	1.33	9.8	1.4	126.71	10.9	5.45	0.0	20.0	0.0	120.8	45.1
19	1.33	10.5	1.4	130.24	11.2	5.6	0.0	20.0	0.0	123.9	46.2
20	1.33	11.1	1.4	133.35	11.47	5.73	0.0	20.0	0.0	126.6	47.2
21	1.33	11.8	1.4	136.05	11.7	5.85	0.0	20.0	0.0	129.0	48.1
22	1.33	12.4	1.4	138.33	11.9	5.95	0.0	20.0	0.0	130.9	48.8
23	1.33	13.1	1.4	140.19	12.06	6.03	0.0	20.0	0.0	132.4	49.4
24	1.33	13.8	1.4	141.62	12.18	6.09	0.0	20.0	0.0	133.6	49.8
25	1.33	14.4	1.4	142.63	12.27	6.13	0.0	20.0	0.0	134.4	50.1
26	1.33	15.1	1.4	143.2	12.32	6.16	0.0	20.0	0.0	134.8	50.3
27	1.33	15.8	1.4	143.34	12.33	6.16	0.0	20.0	0.0	134.8	50.3
28	1.33	16.4	1.4	143.03	12.3	6.15	0.0	20.0	0.0	134.3	50.1
29	1.33	17.1	1.4	142.28	12.24	6.12	0.0	20.0	0.0	133.5	49.8
30	1.33	17.8	1.4	141.09	12.13	6.07	0.0	20.0	0.0	132.3	49.4
31	1.33	18.5	1.4	139.43	11.99	6.0	0.0	20.0	0.0	130.7	48.8
32	1.33	19.1	1.4	137.32	11.81	5.9	0.0	20.0	0.0	128.7	48.0
33	1.33	19.8	1.4	134.73	11.59	5.79	0.0	20.0	0.0	126.2	47.1
34	1.33	20.5	1.4	131.68	11.32	5.66	0.0	20.0	0.0	123.4	46.0
35	1.33	21.2	1.4	128.15	11.02	5.51	0.0	20.0	0.0	120.1	44.8
36	1.33	21.9	1.4	124.14	10.68	5.34	0.0	20.0	0.0	116.3	43.4
37	1.33	22.6	1.4	119.63	10.29	5.14	0.0	20.0	0.0	112.2	41.8
38	1.33	23.3	1.5	114.62	9.86	4.93	0.0	20.0	0.0	107.5	40.1
39	1.33	24.0	1.5	109.11	9.38	4.69	0.0	20.0	0.0	102.4	38.2
40	1.33	24.7	1.5	103.08	8.86	4.43	0.0	20.0	0.0	96.8	36.1
41	1.33	25.4	1.5	96.53	8.3	4.15	0.0	20.0	0.0	90.8	33.9
42	0.74	26.0	0.8	50.45	4.34	2.17	0.0	20.0	0.0	47.5	17.7
43	1.93	26.7	2.2	120.07	10.33	5.16	0.0	20.0	0.0	113.2	42.2
44	1.33	27.6	1.5	72.22	6.21	3.11	0.0	20.0	0.0	68.2	25.4
45	1.33	28.3	1.5	62.74	5.4	2.7	0.0	20.0	0.0	59.3	22.1
46	1.33	29.0	1.5	52.69	4.53	2.27	0.0	20.0	0.0	49.9	18.6
47	1.33	29.8	1.5	42.06	3.62	1.81	0.0	20.0	0.0	39.9	14.9
48	1.33	30.5	1.5	30.82	2.65	1.33	0.0	20.0	0.0	29.3	10.9

49	1.33	31.3	1.6	18.96	1.63	0.82	0.0	20.0	0.0	18.1	6.7
50	1.33	32.0	1.6	6.48	0.56	0.28	0.0	20.0	0.0	6.2	2.3

$$x_c = 156.137 \quad y_c = 138.755 \quad R_c = 106.408 \quad F_s = 0.973$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.92	2.6	0.9	1.94	0.17	0.08	0.0	20.0	0.0	1.9	0.7
2	0.92	3.1	0.9	5.72	0.49	0.25	0.0	20.0	0.0	5.6	2.1
3	0.92	3.6	0.9	9.35	0.8	0.4	0.0	20.0	0.0	9.2	3.4
4	0.92	4.1	0.9	12.84	1.1	0.55	0.0	20.0	0.0	12.5	4.7
5	0.92	4.6	0.9	16.19	1.39	0.7	0.0	20.0	0.0	15.8	5.9
6	0.92	5.1	0.9	19.4	1.67	0.83	0.0	20.0	0.0	18.8	7.1
7	0.92	5.6	0.9	22.46	1.93	0.97	0.0	20.0	0.0	21.8	8.1
8	0.92	6.1	0.9	25.38	2.18	1.09	0.0	20.0	0.0	24.5	9.2
9	0.92	6.6	0.9	28.16	2.42	1.21	0.0	20.0	0.0	27.2	10.2
10	0.92	7.1	0.9	30.79	2.65	1.32	0.0	20.0	0.0	29.6	11.1
11	0.92	7.6	0.9	33.27	2.86	1.43	0.0	20.0	0.0	32.0	12.0
12	0.92	8.1	0.9	35.61	3.06	1.53	0.0	20.0	0.0	34.2	12.8
13	0.92	8.6	0.9	37.81	3.25	1.63	0.0	20.0	0.0	36.2	13.5
14	0.92	9.1	0.9	39.86	3.43	1.71	0.0	20.0	0.0	38.1	14.3
15	0.92	9.6	0.9	41.76	3.59	1.8	0.0	20.0	0.0	39.8	14.9
16	0.92	10.1	0.9	43.52	3.74	1.87	0.0	20.0	0.0	41.4	15.5
17	0.92	10.6	0.9	45.12	3.88	1.94	0.0	20.0	0.0	42.9	16.1
18	0.92	11.1	0.9	46.58	4.01	2.0	0.0	20.0	0.0	44.2	16.6
19	0.92	11.6	0.9	47.89	4.12	2.06	0.0	20.0	0.0	45.4	17.0
20	0.92	12.1	0.9	49.05	4.22	2.11	0.0	20.0	0.0	46.4	17.4
21	0.92	12.6	0.9	50.05	4.3	2.15	0.0	20.0	0.0	47.3	17.7
22	0.92	13.1	0.9	50.91	4.38	2.19	0.0	20.0	0.0	48.1	18.0
23	0.92	13.6	0.9	51.61	4.44	2.22	0.0	20.0	0.0	48.7	18.2
24	0.92	14.1	0.9	52.16	4.49	2.24	0.0	20.0	0.0	49.2	18.4
25	0.92	14.6	0.9	52.55	4.52	2.26	0.0	20.0	0.0	49.5	18.5
26	0.92	15.1	0.9	52.78	4.54	2.27	0.0	20.0	0.0	49.7	18.6
27	0.92	15.6	1.0	52.86	4.55	2.27	0.0	20.0	0.0	49.7	18.6
28	0.92	16.1	1.0	52.78	4.54	2.27	0.0	20.0	0.0	49.6	18.6
29	0.92	16.7	1.0	52.54	4.52	2.26	0.0	20.0	0.0	49.3	18.5
30	0.92	17.2	1.0	52.14	4.48	2.24	0.0	20.0	0.0	48.9	18.3
31	0.92	17.7	1.0	51.58	4.44	2.22	0.0	20.0	0.0	48.4	18.1
32	0.92	18.2	1.0	50.86	4.37	2.19	0.0	20.0	0.0	47.7	17.8
33	1.12	18.8	1.2	60.87	5.23	2.62	0.0	20.0	0.0	57.0	21.3
34	0.71	19.3	0.8	37.9	3.26	1.63	0.0	20.0	0.0	35.5	13.3
35	0.92	19.8	1.0	47.24	4.06	2.03	0.0	20.0	0.0	44.3	16.6
36	0.92	20.3	1.0	45.51	3.91	1.96	0.0	20.0	0.0	42.6	15.9
37	0.92	20.8	1.0	43.6	3.75	1.87	0.0	20.0	0.0	40.8	15.3
38	0.92	21.4	1.0	41.51	3.57	1.79	0.0	20.0	0.0	38.9	14.6
39	0.92	21.9	1.0	39.26	3.38	1.69	0.0	20.0	0.0	36.8	13.8
40	0.92	22.4	1.0	36.82	3.17	1.58	0.0	20.0	0.0	34.5	12.9
41	0.92	22.9	1.0	34.21	2.94	1.47	0.0	20.0	0.0	32.1	12.0
42	0.92	23.5	1.0	31.41	2.7	1.35	0.0	20.0	0.0	29.5	11.0
43	0.92	24.0	1.0	28.43	2.45	1.22	0.0	20.0	0.0	26.7	10.0
44	0.92	24.6	1.0	25.27	2.17	1.09	0.0	20.0	0.0	23.7	8.9
45	0.92	25.1	1.0	21.92	1.88	0.94	0.0	20.0	0.0	20.6	7.7
46	0.92	25.7	1.0	18.37	1.58	0.79	0.0	20.0	0.0	17.3	6.5
47	0.92	26.2	1.0	14.64	1.26	0.63	0.0	20.0	0.0	13.8	5.2



48	0.92	26.8	1.0	10.7	0.92	0.46	0.0	20.0	0.0	10.1	3.8
49	0.92	27.3	1.0	6.57	0.57	0.28	0.0	20.0	0.0	6.2	2.3
50	0.92	27.9	1.0	2.24	0.19	0.1	0.0	20.0	0.0	2.1	0.8

$$x_c = 173.579 \quad y_c = 143.905 \quad R_c = 108.331 \quad F_s = 1.014$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.12	-0.6	1.1	3.63	0.31	0.16	0.0	20.0	0.0	3.6	1.3
2	1.12	0.0	1.1	10.71	0.92	0.46	0.0	20.0	0.0	10.7	3.8
3	1.12	0.5	1.1	17.53	1.51	0.75	0.0	20.0	0.0	17.5	6.3
4	1.12	1.1	1.1	24.09	2.07	1.04	0.0	20.0	0.0	23.9	8.6
5	1.12	1.7	1.1	30.39	2.61	1.31	0.0	20.0	0.0	30.1	10.8
6	1.12	2.3	1.1	36.44	3.13	1.57	0.0	20.0	0.0	35.9	12.9
7	1.12	2.9	1.1	42.23	3.63	1.82	0.0	20.0	0.0	41.5	14.9
8	1.12	3.5	1.1	47.76	4.11	2.05	0.0	20.0	0.0	46.8	16.8
9	1.12	4.1	1.1	53.04	4.56	2.28	0.0	20.0	0.0	51.8	18.6
10	1.12	4.7	1.1	58.05	4.99	2.5	0.0	20.0	0.0	56.6	20.3
11	1.12	5.3	1.1	62.81	5.4	2.7	0.0	20.0	0.0	61.0	21.9
12	1.12	5.9	1.1	67.3	5.79	2.89	0.0	20.0	0.0	65.2	23.4
13	1.12	6.5	1.1	71.54	6.15	3.08	0.0	20.0	0.0	69.2	24.8
14	1.12	7.1	1.1	75.51	6.49	3.25	0.0	20.0	0.0	72.8	26.1
15	1.12	7.7	1.1	79.22	6.81	3.41	0.0	20.0	0.0	76.2	27.4
16	1.12	8.3	1.1	82.67	7.11	3.55	0.0	20.0	0.0	79.4	28.5
17	1.18	8.9	1.2	90.02	7.74	3.87	0.0	20.0	0.0	86.3	31.0
18	1.07	9.5	1.1	84.35	7.25	3.63	0.0	20.0	0.0	80.7	29.0
19	1.12	10.1	1.1	90.66	7.8	3.9	0.0	20.0	0.0	86.5	31.1
20	1.12	10.7	1.1	92.52	7.96	3.98	0.0	20.0	0.0	88.2	31.7
21	1.12	11.3	1.1	94.11	8.09	4.05	0.0	20.0	0.0	89.5	32.1
22	1.12	11.9	1.1	95.42	8.21	4.1	0.0	20.0	0.0	90.7	32.5
23	1.12	12.5	1.2	96.47	8.3	4.15	0.0	20.0	0.0	91.5	32.9
24	1.12	13.1	1.2	97.23	8.36	4.18	0.0	20.0	0.0	92.1	33.1
25	1.12	13.8	1.2	97.72	8.4	4.2	0.0	20.0	0.0	92.5	33.2
26	1.12	14.4	1.2	97.93	8.42	4.21	0.0	20.0	0.0	92.6	33.2
27	1.12	15.0	1.2	97.86	8.42	4.21	0.0	20.0	0.0	92.4	33.2
28	1.12	15.6	1.2	97.5	8.38	4.19	0.0	20.0	0.0	92.0	33.0
29	1.12	16.2	1.2	96.85	8.33	4.16	0.0	20.0	0.0	91.3	32.8
30	1.12	16.8	1.2	95.92	8.25	4.12	0.0	20.0	0.0	90.4	32.5
31	1.12	17.5	1.2	94.69	8.14	4.07	0.0	20.0	0.0	89.2	32.0
32	1.12	18.1	1.2	93.16	8.01	4.01	0.0	20.0	0.0	87.7	31.5
33	1.12	18.7	1.2	91.34	7.86	3.93	0.0	20.0	0.0	86.0	30.9
34	1.12	19.3	1.2	89.21	7.67	3.84	0.0	20.0	0.0	84.0	30.1
35	1.12	20.0	1.2	86.78	7.46	3.73	0.0	20.0	0.0	81.7	29.3
36	1.12	20.6	1.2	84.04	7.23	3.61	0.0	20.0	0.0	79.1	28.4
37	1.12	21.2	1.2	80.98	6.96	3.48	0.0	20.0	0.0	76.2	27.4
38	1.12	21.9	1.2	77.61	6.67	3.34	0.0	20.0	0.0	73.1	26.2
39	1.12	22.5	1.2	73.92	6.36	3.18	0.0	20.0	0.0	69.7	25.0
40	1.12	23.2	1.2	69.9	6.01	3.01	0.0	20.0	0.0	65.9	23.7
41	1.12	23.8	1.2	65.55	5.64	2.82	0.0	20.0	0.0	61.9	22.2
42	1.12	24.5	1.2	60.87	5.23	2.62	0.0	20.0	0.0	57.5	20.6
43	1.12	25.1	1.2	55.84	4.8	2.4	0.0	20.0	0.0	52.8	19.0
44	1.12	25.8	1.2	50.47	4.34	2.17	0.0	20.0	0.0	47.8	17.1
45	1.12	26.4	1.3	44.75	3.85	1.92	0.0	20.0	0.0	42.4	15.2
46	1.12	27.1	1.3	38.67	3.33	1.66	0.0	20.0	0.0	36.7	13.2

47	1.31	27.8	1.5	36.95	3.18	1.59	0.0	20.0	0.0	35.1	12.6
48	0.94	28.5	1.1	19.86	1.71	0.85	0.0	20.0	0.0	18.9	6.8
49	1.12	29.1	1.3	15.06	1.3	0.65	0.0	20.0	0.0	14.4	5.2
50	1.12	29.8	1.3	5.12	0.44	0.22	0.0	20.0	0.0	4.9	1.8

$x_c = 191.021$   $y_c = 138.755$   $R_c = 100.163$   $F_s = 1.08$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.22	-3.9	1.2	5.15	0.44	0.22	0.0	20.0	0.0	5.3	1.8
2	1.22	-3.2	1.2	15.17	1.3	0.65	0.0	20.0	0.0	15.5	5.2
3	1.22	-2.5	1.2	24.83	2.14	1.07	0.0	20.0	0.0	25.2	8.5
4	1.22	-1.8	1.2	34.14	2.94	1.47	0.0	20.0	0.0	34.5	11.6
5	1.22	-1.1	1.2	43.08	3.71	1.85	0.0	20.0	0.0	43.4	14.6
6	1.31	-0.4	1.3	55.8	4.8	2.4	0.0	20.0	0.0	55.9	18.8
7	1.13	0.3	1.1	55.52	4.77	2.39	0.0	20.0	0.0	55.4	18.7
8	1.22	1.0	1.2	66.91	5.75	2.88	0.0	20.0	0.0	66.5	22.4
9	1.22	1.7	1.2	73.82	6.35	3.17	0.0	20.0	0.0	73.1	24.6
10	1.22	2.4	1.2	80.37	6.91	3.46	0.0	20.0	0.0	79.3	26.7
11	1.22	3.1	1.2	86.56	7.44	3.72	0.0	20.0	0.0	85.2	28.7
12	1.22	3.8	1.2	92.39	7.95	3.97	0.0	20.0	0.0	90.6	30.5
13	1.22	4.5	1.2	97.87	8.42	4.21	0.0	20.0	0.0	95.6	32.2
14	1.22	5.2	1.2	102.98	8.86	4.43	0.0	20.0	0.0	100.3	33.8
15	1.22	5.9	1.2	107.73	9.26	4.63	0.0	20.0	0.0	104.7	35.3
16	1.22	6.6	1.2	112.12	9.64	4.82	0.0	20.0	0.0	108.6	36.6
17	1.22	7.3	1.2	116.14	9.99	4.99	0.0	20.0	0.0	112.3	37.8
18	1.22	8.0	1.2	119.8	10.3	5.15	0.0	20.0	0.0	115.5	38.9
19	1.22	8.7	1.2	123.1	10.59	5.29	0.0	20.0	0.0	118.4	39.9
20	1.22	9.4	1.2	126.02	10.84	5.42	0.0	20.0	0.0	121.0	40.8
21	1.22	10.1	1.2	128.57	11.06	5.53	0.0	20.0	0.0	123.2	41.5
22	1.22	10.8	1.2	130.74	11.24	5.62	0.0	20.0	0.0	125.1	42.1
23	1.22	11.5	1.2	132.54	11.4	5.7	0.0	20.0	0.0	126.6	42.6
24	1.22	12.2	1.3	133.96	11.52	5.76	0.0	20.0	0.0	127.7	43.0
25	1.22	13.0	1.3	134.99	11.61	5.8	0.0	20.0	0.0	128.6	43.3
26	1.22	13.7	1.3	135.64	11.67	5.83	0.0	20.0	0.0	129.0	43.5
27	1.22	14.4	1.3	135.9	11.69	5.84	0.0	20.0	0.0	129.1	43.5
28	1.22	15.1	1.3	135.77	11.68	5.84	0.0	20.0	0.0	128.9	43.4
29	1.22	15.8	1.3	135.24	11.63	5.82	0.0	20.0	0.0	128.3	43.2
30	1.22	16.6	1.3	134.31	11.55	5.78	0.0	20.0	0.0	127.4	42.9
31	1.22	17.3	1.3	132.98	11.44	5.72	0.0	20.0	0.0	126.0	42.5
32	1.22	18.0	1.3	131.23	11.29	5.64	0.0	20.0	0.0	124.4	41.9
33	1.22	18.8	1.3	129.07	11.1	5.55	0.0	20.0	0.0	122.3	41.2
34	0.94	19.4	1.0	97.98	8.43	4.21	0.0	20.0	0.0	92.9	31.3
35	1.5	20.2	1.6	149.88	12.89	6.44	0.0	20.0	0.0	142.1	47.9
36	1.22	21.0	1.3	115.21	9.91	4.95	0.0	20.0	0.0	109.3	36.8
37	1.22	21.8	1.3	108.54	9.33	4.67	0.0	20.0	0.0	103.0	34.7
38	1.22	22.5	1.3	101.42	8.72	4.36	0.0	20.0	0.0	96.3	32.5
39	1.22	23.3	1.3	93.85	8.07	4.04	0.0	20.0	0.0	89.2	30.1
40	1.24	24.0	1.4	86.78	7.46	3.73	0.0	20.0	0.0	82.6	27.8
41	1.21	24.8	1.3	77.6	6.67	3.34	0.0	20.0	0.0	74.0	24.9
42	1.22	25.6	1.4	72.16	6.21	3.1	0.0	20.0	0.0	68.9	23.2
43	1.22	26.3	1.4	65.27	5.61	2.81	0.0	20.0	0.0	62.4	21.0
44	1.22	27.1	1.4	57.88	4.98	2.49	0.0	20.0	0.0	55.5	18.7
45	1.22	27.9	1.4	49.99	4.3	2.15	0.0	20.0	0.0	48.0	16.2

46	1.22	28.7	1.4	41.58	3.58	1.79	0.0	20.0	0.0	40.0	13.5
47	1.28	29.5	1.5	33.87	2.91	1.46	0.0	20.0	0.0	32.7	11.0
48	1.17	30.3	1.4	22.38	1.93	0.96	0.0	20.0	0.0	21.7	7.3
49	1.22	31.1	1.4	14.6	1.26	0.63	0.0	20.0	0.0	14.2	4.8
50	1.22	32.0	1.4	5.01	0.43	0.22	0.0	20.0	0.0	4.9	1.6

$$x_c = 225.906 \quad y_c = 138.755 \quad R_c = 88.046 \quad F_s = 0.949$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.07	4.2	0.1	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
2	1.26	4.7	1.3	2.84	0.24	0.12	0.0	20.0	0.0	2.8	1.1
3	0.66	5.3	0.7	3.55	0.31	0.15	0.0	20.0	0.0	3.4	1.3
4	0.66	5.7	0.7	4.89	0.42	0.21	0.0	20.0	0.0	4.7	1.8
5	0.66	6.2	0.7	6.16	0.53	0.26	0.0	20.0	0.0	6.0	2.3
6	0.66	6.6	0.7	7.37	0.63	0.32	0.0	20.0	0.0	7.1	2.7
7	0.66	7.0	0.7	8.51	0.73	0.37	0.0	20.0	0.0	8.2	3.1
8	0.66	7.5	0.7	9.58	0.82	0.41	0.0	20.0	0.0	9.2	3.5
9	0.66	7.9	0.7	10.59	0.91	0.46	0.0	20.0	0.0	10.1	3.9
10	0.66	8.3	0.7	11.53	0.99	0.5	0.0	20.0	0.0	11.0	4.2
11	0.66	8.8	0.7	12.4	1.07	0.53	0.0	20.0	0.0	11.8	4.5
12	0.66	9.2	0.7	13.2	1.14	0.57	0.0	20.0	0.0	12.6	4.8
13	0.7	9.7	0.7	14.77	1.27	0.64	0.0	20.0	0.0	14.1	5.4
14	0.63	10.1	0.6	13.91	1.2	0.6	0.0	20.0	0.0	13.2	5.1
15	0.66	10.5	0.7	15.64	1.35	0.67	0.0	20.0	0.0	14.9	5.7
16	0.66	11.0	0.7	16.48	1.42	0.71	0.0	20.0	0.0	15.6	6.0
17	0.66	11.4	0.7	17.24	1.48	0.74	0.0	20.0	0.0	16.3	6.3
18	0.66	11.8	0.7	17.94	1.54	0.77	0.0	20.0	0.0	17.0	6.5
19	0.66	12.3	0.7	18.56	1.6	0.8	0.0	20.0	0.0	17.5	6.7
20	0.66	12.7	0.7	19.12	1.64	0.82	0.0	20.0	0.0	18.0	6.9
21	0.66	13.2	0.7	19.61	1.69	0.84	0.0	20.0	0.0	18.5	7.1
22	0.66	13.6	0.7	20.02	1.72	0.86	0.0	20.0	0.0	18.9	7.2
23	0.66	14.1	0.7	20.37	1.75	0.88	0.0	20.0	0.0	19.2	7.3
24	0.66	14.5	0.7	20.64	1.78	0.89	0.0	20.0	0.0	19.4	7.4
25	0.66	15.0	0.7	20.84	1.79	0.9	0.0	20.0	0.0	19.6	7.5
26	0.66	15.4	0.7	20.97	1.8	0.9	0.0	20.0	0.0	19.7	7.5
27	0.66	15.8	0.7	21.03	1.81	0.9	0.0	20.0	0.0	19.7	7.6
28	0.66	16.3	0.7	21.01	1.81	0.9	0.0	20.0	0.0	19.7	7.6
29	0.66	16.7	0.7	20.92	1.8	0.9	0.0	20.0	0.0	19.6	7.5
30	0.66	17.2	0.7	20.76	1.79	0.89	0.0	20.0	0.0	19.4	7.5
31	0.66	17.7	0.7	20.52	1.76	0.88	0.0	20.0	0.0	19.2	7.4
32	0.66	18.1	0.7	20.21	1.74	0.87	0.0	20.0	0.0	18.9	7.2
33	0.66	18.6	0.7	19.82	1.7	0.85	0.0	20.0	0.0	18.5	7.1
34	0.66	19.0	0.7	19.35	1.66	0.83	0.0	20.0	0.0	18.1	6.9
35	0.66	19.5	0.7	18.81	1.62	0.81	0.0	20.0	0.0	17.6	6.7
36	0.66	19.9	0.7	18.19	1.56	0.78	0.0	20.0	0.0	17.0	6.5
37	0.66	20.4	0.7	17.49	1.5	0.75	0.0	20.0	0.0	16.3	6.3
38	0.66	20.9	0.7	16.71	1.44	0.72	0.0	20.0	0.0	15.6	6.0
39	0.66	21.3	0.7	15.86	1.36	0.68	0.0	20.0	0.0	14.8	5.7
40	0.66	21.8	0.7	14.92	1.28	0.64	0.0	20.0	0.0	13.9	5.3
41	0.66	22.2	0.7	13.9	1.2	0.6	0.0	20.0	0.0	13.0	5.0
42	0.66	22.7	0.7	12.8	1.1	0.55	0.0	20.0	0.0	12.0	4.6
43	0.66	23.2	0.7	11.62	1.0	0.5	0.0	20.0	0.0	10.9	4.2
44	0.66	23.7	0.7	10.35	0.89	0.44	0.0	20.0	0.0	9.7	3.7

45	0.66	24.1	0.7	9.0	0.77	0.39	0.0	20.0	0.0	8.4	3.2
46	0.66	24.6	0.7	7.56	0.65	0.32	0.0	20.0	0.0	7.1	2.7
47	0.66	25.1	0.7	6.03	0.52	0.26	0.0	20.0	0.0	5.6	2.2
48	0.66	25.6	0.7	4.42	0.38	0.19	0.0	20.0	0.0	4.1	1.6
49	0.66	26.0	0.7	2.72	0.23	0.12	0.0	20.0	0.0	2.6	1.0
50	0.66	26.5	0.7	0.93	0.08	0.04	0.0	20.0	0.0	0.9	0.3

$$x_c = 243.348 \quad y_c = 143.905 \quad R_c = 89.566 \quad F_s = 0.944$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.88	1.6	0.9	1.97	0.17	0.08	0.0	20.0	0.0	2.0	0.8
2	0.88	2.1	0.9	5.8	0.5	0.25	0.0	20.0	0.0	5.7	2.2
3	0.88	2.7	0.9	9.49	0.82	0.41	0.0	20.0	0.0	9.3	3.6
4	0.88	3.3	0.9	13.02	1.12	0.56	0.0	20.0	0.0	12.8	4.9
5	0.88	3.8	0.9	16.41	1.41	0.71	0.0	20.0	0.0	16.0	6.2
6	0.88	4.4	0.9	19.64	1.69	0.84	0.0	20.0	0.0	19.1	7.4
7	0.88	5.0	0.9	22.73	1.95	0.98	0.0	20.0	0.0	22.1	8.5
8	0.88	5.5	0.9	25.67	2.21	1.1	0.0	20.0	0.0	24.9	9.6
9	0.88	6.1	0.9	28.46	2.45	1.22	0.0	20.0	0.0	27.5	10.6
10	0.88	6.6	0.9	31.1	2.67	1.34	0.0	20.0	0.0	30.0	11.6
11	0.88	7.2	0.9	33.58	2.89	1.44	0.0	20.0	0.0	32.3	12.4
12	0.88	7.8	0.9	35.92	3.09	1.54	0.0	20.0	0.0	34.4	13.3
13	0.88	8.3	0.9	38.1	3.28	1.64	0.0	20.0	0.0	36.4	14.1
14	0.88	8.9	0.9	40.13	3.45	1.73	0.0	20.0	0.0	38.3	14.8
15	0.88	9.5	0.9	42.01	3.61	1.81	0.0	20.0	0.0	40.0	15.4
16	0.88	10.0	0.9	43.73	3.76	1.88	0.0	20.0	0.0	41.6	16.0
17	0.88	10.6	0.9	45.3	3.9	1.95	0.0	20.0	0.0	43.0	16.6
18	0.88	11.2	0.9	46.72	4.02	2.01	0.0	20.0	0.0	44.2	17.1
19	0.88	11.8	0.9	47.97	4.13	2.06	0.0	20.0	0.0	45.4	17.5
20	0.88	12.3	0.9	49.07	4.22	2.11	0.0	20.0	0.0	46.3	17.9
21	0.88	12.9	0.9	50.01	4.3	2.15	0.0	20.0	0.0	47.1	18.2
22	0.88	13.5	0.9	50.79	4.37	2.18	0.0	20.0	0.0	47.8	18.4
23	0.88	14.1	0.9	51.41	4.42	2.21	0.0	20.0	0.0	48.3	18.6
24	0.88	14.6	0.9	51.87	4.46	2.23	0.0	20.0	0.0	48.7	18.8
25	0.88	15.2	0.9	52.16	4.49	2.24	0.0	20.0	0.0	48.9	18.9
26	0.88	15.8	0.9	52.29	4.5	2.25	0.0	20.0	0.0	49.0	18.9
27	0.88	16.4	0.9	52.25	4.49	2.25	0.0	20.0	0.0	48.9	18.9
28	0.88	17.0	0.9	52.05	4.48	2.24	0.0	20.0	0.0	48.7	18.8
29	0.88	17.6	0.9	51.68	4.44	2.22	0.0	20.0	0.0	48.3	18.6
30	0.88	18.2	0.9	51.14	4.4	2.2	0.0	20.0	0.0	47.8	18.4
31	0.88	18.7	0.9	50.42	4.34	2.17	0.0	20.0	0.0	47.1	18.2
32	0.88	19.3	0.9	49.53	4.26	2.13	0.0	20.0	0.0	46.2	17.8
33	0.88	19.9	0.9	48.46	4.17	2.08	0.0	20.0	0.0	45.2	17.4
34	0.88	20.5	0.9	47.22	4.06	2.03	0.0	20.0	0.0	44.1	17.0
35	0.88	21.1	0.9	45.79	3.94	1.97	0.0	20.0	0.0	42.7	16.5
36	0.88	21.7	0.9	44.19	3.8	1.9	0.0	20.0	0.0	41.2	15.9
37	0.88	22.3	0.9	42.39	3.65	1.82	0.0	20.0	0.0	39.6	15.3
38	0.88	23.0	1.0	40.42	3.48	1.74	0.0	20.0	0.0	37.7	14.6
39	0.88	23.6	1.0	38.25	3.29	1.64	0.0	20.0	0.0	35.7	13.8
40	0.88	24.2	1.0	35.89	3.09	1.54	0.0	20.0	0.0	33.5	12.9
41	0.88	24.8	1.0	33.33	2.87	1.43	0.0	20.0	0.0	31.2	12.0
42	0.88	25.4	1.0	30.58	2.63	1.31	0.0	20.0	0.0	28.6	11.0
43	0.88	26.0	1.0	27.63	2.38	1.19	0.0	20.0	0.0	25.9	10.0

44	1.29	26.8	1.4	34.9	3.0	1.5	0.0	20.0	0.0	32.7	12.6
45	0.46	27.4	0.5	10.73	0.92	0.46	0.0	20.0	0.0	10.1	3.9
46	0.88	27.9	1.0	17.77	1.53	0.76	0.0	20.0	0.0	16.7	6.4
47	0.88	28.6	1.0	14.21	1.22	0.61	0.0	20.0	0.0	13.4	5.2
48	0.88	29.2	1.0	10.43	0.9	0.45	0.0	20.0	0.0	9.8	3.8
49	0.88	29.9	1.0	6.43	0.55	0.28	0.0	20.0	0.0	6.1	2.3
50	0.88	30.5	1.0	2.2	0.19	0.09	0.0	20.0	0.0	2.1	0.8

$$x_c = 103.81 \quad y_c = 154.204 \quad R_c = 136.12 \quad F_s = 1.049$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.07	-1.7	1.1	1.43	0.12	0.06	0.0	20.0	0.0	1.4	0.5
2	1.73	-1.1	1.7	10.19	0.88	0.44	0.0	20.0	0.0	10.3	3.6
3	1.4	-0.5	1.4	16.15	1.39	0.69	0.0	20.0	0.0	16.2	5.6
4	1.4	0.1	1.4	22.79	1.96	0.98	0.0	20.0	0.0	22.8	7.9
5	1.4	0.7	1.4	29.04	2.5	1.25	0.0	20.0	0.0	28.9	10.0
6	1.4	1.3	1.4	34.89	3.0	1.5	0.0	20.0	0.0	34.6	12.0
7	1.4	1.9	1.4	40.34	3.47	1.73	0.0	20.0	0.0	39.9	13.8
8	1.4	2.5	1.4	45.4	3.9	1.95	0.0	20.0	0.0	44.8	15.5
9	1.4	3.1	1.4	50.05	4.3	2.15	0.0	20.0	0.0	49.2	17.1
10	1.4	3.7	1.4	54.3	4.67	2.34	0.0	20.0	0.0	53.2	18.5
11	1.4	4.3	1.4	58.16	5.0	2.5	0.0	20.0	0.0	56.8	19.7
12	1.4	4.9	1.4	61.61	5.3	2.65	0.0	20.0	0.0	60.1	20.8
13	1.4	5.4	1.4	64.66	5.56	2.78	0.0	20.0	0.0	62.9	21.8
14	1.4	6.0	1.4	67.31	5.79	2.89	0.0	20.0	0.0	65.3	22.7
15	1.4	6.6	1.4	69.55	5.98	2.99	0.0	20.0	0.0	67.3	23.4
16	1.4	7.2	1.4	71.39	6.14	3.07	0.0	20.0	0.0	68.9	23.9
17	1.4	7.8	1.4	72.82	6.26	3.13	0.0	20.0	0.0	70.2	24.3
18	1.51	8.4	1.5	79.44	6.83	3.42	0.0	20.0	0.0	76.4	26.5
19	1.3	9.0	1.3	70.67	6.08	3.04	0.0	20.0	0.0	67.8	23.5
20	1.4	9.6	1.4	80.72	6.94	3.47	0.0	20.0	0.0	77.3	26.8
21	1.4	10.2	1.4	84.77	7.29	3.64	0.0	20.0	0.0	81.1	28.1
22	1.4	10.8	1.4	88.39	7.6	3.8	0.0	20.0	0.0	84.4	29.3
23	1.4	11.4	1.4	91.6	7.88	3.94	0.0	20.0	0.0	87.3	30.3
24	1.4	12.0	1.4	94.39	8.12	4.06	0.0	20.0	0.0	89.9	31.2
25	1.4	12.6	1.4	96.75	8.32	4.16	0.0	20.0	0.0	92.0	31.9
26	1.4	13.2	1.4	98.68	8.49	4.24	0.0	20.0	0.0	93.7	32.5
27	1.4	13.8	1.4	100.18	8.62	4.31	0.0	20.0	0.0	95.1	33.0
28	1.4	14.5	1.4	101.25	8.71	4.35	0.0	20.0	0.0	96.0	33.3
29	1.4	15.1	1.5	101.88	8.76	4.38	0.0	20.0	0.0	96.5	33.5
30	1.4	15.7	1.5	102.07	8.78	4.39	0.0	20.0	0.0	96.6	33.5
31	1.4	16.3	1.5	101.81	8.76	4.38	0.0	20.0	0.0	96.3	33.4
32	1.4	16.9	1.5	101.1	8.69	4.35	0.0	20.0	0.0	95.6	33.2
33	1.4	17.5	1.5	99.94	8.59	4.3	0.0	20.0	0.0	94.5	32.8
34	1.4	18.1	1.5	98.31	8.45	4.23	0.0	20.0	0.0	92.9	32.2
35	1.4	18.8	1.5	96.23	8.28	4.14	0.0	20.0	0.0	90.9	31.5
36	1.4	19.4	1.5	93.67	8.06	4.03	0.0	20.0	0.0	88.5	30.7
37	1.4	20.0	1.5	90.64	7.8	3.9	0.0	20.0	0.0	85.6	29.7
38	1.4	20.7	1.5	87.14	7.49	3.75	0.0	20.0	0.0	82.3	28.6
39	1.4	21.3	1.5	83.14	7.15	3.58	0.0	20.0	0.0	78.6	27.3
40	1.4	21.9	1.5	78.66	6.76	3.38	0.0	20.0	0.0	74.4	25.8
41	1.4	22.6	1.5	73.67	6.34	3.17	0.0	20.0	0.0	69.7	24.2
42	1.4	23.2	1.5	68.18	5.86	2.93	0.0	20.0	0.0	64.6	22.4

43	1.4	23.8	1.5	62.18	5.35	2.67	0.0	20.0	0.0	58.9	20.5
44	1.4	24.5	1.5	55.66	4.79	2.39	0.0	20.0	0.0	52.8	18.3
45	1.4	25.1	1.6	48.61	4.18	2.09	0.0	20.0	0.0	46.2	16.0
46	1.4	25.8	1.6	41.02	3.53	1.76	0.0	20.0	0.0	39.0	13.5
47	1.4	26.5	1.6	32.89	2.83	1.41	0.0	20.0	0.0	31.3	10.9
48	1.4	27.1	1.6	24.21	2.08	1.04	0.0	20.0	0.0	23.1	8.0
49	1.4	27.8	1.6	14.96	1.29	0.64	0.0	20.0	0.0	14.3	5.0
50	1.4	28.5	1.6	5.13	0.44	0.22	0.0	20.0	0.0	4.9	1.7

$$x_c = 121.252 \quad y_c = 149.054 \quad R_c = 129.323 \quad F_s = 0.995$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.64	-4.1	1.6	6.39	0.55	0.27	0.0	20.0	0.0	6.6	2.4
2	1.64	-3.4	1.6	18.68	1.61	0.8	0.0	20.0	0.0	19.1	7.0
3	1.64	-2.6	1.6	30.29	2.61	1.3	0.0	20.0	0.0	30.8	11.3
4	1.64	-1.9	1.6	41.25	3.55	1.77	0.0	20.0	0.0	41.8	15.3
5	1.64	-1.2	1.6	51.53	4.43	2.22	0.0	20.0	0.0	51.9	19.0
6	1.64	-0.4	1.6	61.15	5.26	2.63	0.0	20.0	0.0	61.3	22.4
7	1.64	0.3	1.6	70.11	6.03	3.01	0.0	20.0	0.0	70.0	25.6
8	1.87	1.1	1.9	90.25	7.76	3.88	0.0	20.0	0.0	89.7	32.8
9	1.4	1.8	1.4	76.33	6.56	3.28	0.0	20.0	0.0	75.5	27.6
10	1.64	2.5	1.6	100.87	8.67	4.34	0.0	20.0	0.0	99.4	36.4
11	1.64	3.2	1.6	112.97	9.72	4.86	0.0	20.0	0.0	110.9	40.6
12	1.64	3.9	1.6	124.4	10.7	5.35	0.0	20.0	0.0	121.7	44.5
13	1.64	4.6	1.6	135.16	11.62	5.81	0.0	20.0	0.0	131.7	48.2
14	1.64	5.4	1.6	145.26	12.49	6.25	0.0	20.0	0.0	141.1	51.6
15	1.64	6.1	1.6	154.68	13.3	6.65	0.0	20.0	0.0	149.7	54.8
16	1.64	6.8	1.6	163.42	14.05	7.03	0.0	20.0	0.0	157.7	57.7
17	1.64	7.5	1.7	171.49	14.75	7.37	0.0	20.0	0.0	165.0	60.4
18	1.64	8.3	1.7	178.87	15.38	7.69	0.0	20.0	0.0	171.6	62.8
19	1.64	9.0	1.7	185.58	15.96	7.98	0.0	20.0	0.0	177.6	65.0
20	1.64	9.7	1.7	191.59	16.48	8.24	0.0	20.0	0.0	182.9	66.9
21	1.64	10.5	1.7	196.9	16.93	8.47	0.0	20.0	0.0	187.5	68.6
22	1.64	11.2	1.7	201.53	17.33	8.67	0.0	20.0	0.0	191.5	70.1
23	1.64	12.0	1.7	205.44	17.67	8.83	0.0	20.0	0.0	194.9	71.3
24	1.64	12.7	1.7	208.65	17.94	8.97	0.0	20.0	0.0	197.6	72.3
25	1.64	13.4	1.7	211.14	18.16	9.08	0.0	20.0	0.0	199.6	73.1
26	1.64	14.2	1.7	212.92	18.31	9.16	0.0	20.0	0.0	201.0	73.6
27	1.64	14.9	1.7	213.96	18.4	9.2	0.0	20.0	0.0	201.7	73.8
28	1.64	15.7	1.7	214.26	18.43	9.21	0.0	20.0	0.0	201.8	73.8
29	1.64	16.4	1.7	213.83	18.39	9.19	0.0	20.0	0.0	201.2	73.6
30	1.64	17.2	1.7	212.64	18.29	9.14	0.0	20.0	0.0	199.9	73.2
31	1.64	18.0	1.7	210.69	18.12	9.06	0.0	20.0	0.0	198.0	72.5
32	1.64	18.7	1.7	207.97	17.89	8.94	0.0	20.0	0.0	195.4	71.5
33	1.64	19.5	1.7	204.46	17.58	8.79	0.0	20.0	0.0	192.0	70.3
34	1.64	20.3	1.7	200.17	17.21	8.61	0.0	20.0	0.0	188.0	68.8
35	1.64	21.0	1.8	195.07	16.78	8.39	0.0	20.0	0.0	183.2	67.0
36	1.64	21.8	1.8	189.16	16.27	8.13	0.0	20.0	0.0	177.7	65.0
37	1.64	22.6	1.8	182.41	15.69	7.84	0.0	20.0	0.0	171.5	62.7
38	1.64	23.4	1.8	174.82	15.03	7.52	0.0	20.0	0.0	164.4	60.2
39	1.64	24.2	1.8	166.37	14.31	7.15	0.0	20.0	0.0	156.6	57.3
40	1.64	25.0	1.8	157.05	13.51	6.75	0.0	20.0	0.0	148.0	54.2
41	1.64	25.8	1.8	146.84	12.63	6.31	0.0	20.0	0.0	138.6	50.7

42	1.64	26.6	1.8	135.71	11.67	5.84	0.0	20.0	0.0	128.3	46.9
43	1.64	27.4	1.8	123.66	10.64	5.32	0.0	20.0	0.0	117.1	42.8
44	1.64	28.2	1.9	110.66	9.52	4.76	0.0	20.0	0.0	105.0	38.4
45	1.64	29.0	1.9	96.7	8.32	4.16	0.0	20.0	0.0	91.9	33.6
46	1.64	29.9	1.9	81.73	7.03	3.51	0.0	20.0	0.0	77.9	28.5
47	1.64	30.7	1.9	65.75	5.65	2.83	0.0	20.0	0.0	62.8	23.0
48	1.64	31.6	1.9	48.72	4.19	2.1	0.0	20.0	0.0	46.7	17.1
49	1.19	32.3	1.4	24.09	2.07	1.04	0.0	20.0	0.0	23.1	8.5
50	2.08	33.2	2.5	17.09	1.47	0.73	0.0	20.0	0.0	16.5	6.0

$x_c = 138.695$   $y_c = 154.204$   $R_c = 128.625$   $F_s = 0.977$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.41	-0.8	1.4	5.8	0.5	0.25	0.0	20.0	0.0	5.8	2.2
2	1.41	-0.2	1.4	17.08	1.47	0.73	0.0	20.0	0.0	17.1	6.4
3	1.41	0.4	1.4	27.94	2.4	1.2	0.0	20.0	0.0	27.9	10.4
4	1.41	1.0	1.4	38.36	3.3	1.65	0.0	20.0	0.0	38.1	14.2
5	1.41	1.7	1.4	48.36	4.16	2.08	0.0	20.0	0.0	47.9	17.8
6	1.41	2.3	1.4	57.92	4.98	2.49	0.0	20.0	0.0	57.1	21.3
7	1.41	2.9	1.4	67.06	5.77	2.88	0.0	20.0	0.0	65.9	24.5
8	1.41	3.6	1.4	75.77	6.52	3.26	0.0	20.0	0.0	74.2	27.6
9	1.41	4.2	1.4	84.04	7.23	3.61	0.0	20.0	0.0	82.0	30.6
10	1.41	4.8	1.4	91.88	7.9	3.95	0.0	20.0	0.0	89.4	33.3
11	1.41	5.5	1.4	99.29	8.54	4.27	0.0	20.0	0.0	96.3	35.9
12	1.41	6.1	1.4	106.27	9.14	4.57	0.0	20.0	0.0	102.8	38.3
13	1.41	6.7	1.4	112.81	9.7	4.85	0.0	20.0	0.0	108.8	40.5
14	1.41	7.4	1.4	118.91	10.23	5.11	0.0	20.0	0.0	114.4	42.6
15	1.41	8.0	1.4	124.57	10.71	5.36	0.0	20.0	0.0	119.5	44.5
16	1.41	8.6	1.4	129.79	11.16	5.58	0.0	20.0	0.0	124.3	46.3
17	1.41	9.3	1.4	134.57	11.57	5.79	0.0	20.0	0.0	128.5	47.9
18	1.41	9.9	1.4	138.9	11.95	5.97	0.0	20.0	0.0	132.4	49.3
19	1.41	10.5	1.4	142.79	12.28	6.14	0.0	20.0	0.0	135.8	50.6
20	1.41	11.2	1.4	146.22	12.57	6.29	0.0	20.0	0.0	138.8	51.7
21	1.41	11.8	1.4	149.2	12.83	6.42	0.0	20.0	0.0	141.4	52.7
22	1.41	12.5	1.4	151.72	13.05	6.52	0.0	20.0	0.0	143.6	53.5
23	1.41	13.1	1.4	153.78	13.22	6.61	0.0	20.0	0.0	145.3	54.1
24	1.41	13.8	1.5	155.38	13.36	6.68	0.0	20.0	0.0	146.6	54.6
25	1.41	14.4	1.5	156.5	13.46	6.73	0.0	20.0	0.0	147.5	54.9
26	1.41	15.1	1.5	157.16	13.52	6.76	0.0	20.0	0.0	147.9	55.1
27	1.41	15.7	1.5	157.34	13.53	6.77	0.0	20.0	0.0	147.9	55.1
28	1.41	16.4	1.5	157.04	13.51	6.75	0.0	20.0	0.0	147.5	55.0
29	1.41	17.0	1.5	156.26	13.44	6.72	0.0	20.0	0.0	146.7	54.6
30	1.41	17.7	1.5	154.98	13.33	6.66	0.0	20.0	0.0	145.4	54.2
31	1.41	18.3	1.5	153.21	13.18	6.59	0.0	20.0	0.0	143.7	53.5
32	1.41	19.0	1.5	150.94	12.98	6.49	0.0	20.0	0.0	141.5	52.7
33	1.41	19.7	1.5	148.16	12.74	6.37	0.0	20.0	0.0	138.9	51.7
34	1.41	20.3	1.5	144.87	12.46	6.23	0.0	20.0	0.0	135.8	50.6
35	1.41	21.0	1.5	141.06	12.13	6.07	0.0	20.0	0.0	132.2	49.2
36	1.41	21.7	1.5	136.72	11.76	5.88	0.0	20.0	0.0	128.2	47.7
37	1.41	22.4	1.5	131.84	11.34	5.67	0.0	20.0	0.0	123.6	46.0
38	1.41	23.0	1.5	126.43	10.87	5.44	0.0	20.0	0.0	118.6	44.2
39	1.21	23.7	1.3	103.44	8.9	4.45	0.0	20.0	0.0	97.1	36.2
40	1.62	24.4	1.8	130.43	11.22	5.61	0.0	20.0	0.0	122.5	45.6

41	1.41	25.1	1.6	105.51	9.07	4.54	0.0	20.0	0.0	99.2	36.9
42	1.41	25.8	1.6	97.02	8.34	4.17	0.0	20.0	0.0	91.3	34.0
43	1.41	26.5	1.6	87.95	7.56	3.78	0.0	20.0	0.0	82.9	30.9
44	1.41	27.2	1.6	78.28	6.73	3.37	0.0	20.0	0.0	73.9	27.5
45	1.41	27.9	1.6	68.0	5.85	2.92	0.0	20.0	0.0	64.3	23.9
46	1.41	28.6	1.6	57.1	4.91	2.46	0.0	20.0	0.0	54.1	20.1
47	1.41	29.4	1.6	45.57	3.92	1.96	0.0	20.0	0.0	43.2	16.1
48	1.41	30.1	1.6	33.38	2.87	1.44	0.0	20.0	0.0	31.7	11.8
49	1.41	30.8	1.6	20.54	1.77	0.88	0.0	20.0	0.0	19.6	7.3
50	1.41	31.5	1.7	7.02	0.6	0.3	0.0	20.0	0.0	6.7	2.5

$x_c = 156.137$   $y_c = 149.054$   $R_c = 116.498$   $F_s = 0.977$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.98	2.8	1.0	2.2	0.19	0.09	0.0	20.0	0.0	2.2	0.8
2	0.98	3.3	1.0	6.47	0.56	0.28	0.0	20.0	0.0	6.3	2.4
3	0.98	3.8	1.0	10.58	0.91	0.45	0.0	20.0	0.0	10.3	3.9
4	0.98	4.3	1.0	14.53	1.25	0.62	0.0	20.0	0.0	14.2	5.3
5	0.98	4.8	1.0	18.32	1.58	0.79	0.0	20.0	0.0	17.8	6.6
6	0.98	5.2	1.0	21.96	1.89	0.94	0.0	20.0	0.0	21.3	7.9
7	0.98	5.7	1.0	25.43	2.19	1.09	0.0	20.0	0.0	24.6	9.2
8	0.98	6.2	1.0	28.73	2.47	1.24	0.0	20.0	0.0	27.8	10.4
9	0.98	6.7	1.0	31.88	2.74	1.37	0.0	20.0	0.0	30.8	11.5
10	0.98	7.2	1.0	34.86	3.0	1.5	0.0	20.0	0.0	33.6	12.5
11	0.98	7.7	1.0	37.68	3.24	1.62	0.0	20.0	0.0	36.2	13.5
12	0.98	8.2	1.0	40.34	3.47	1.73	0.0	20.0	0.0	38.7	14.4
13	0.98	8.6	1.0	42.84	3.68	1.84	0.0	20.0	0.0	41.0	15.3
14	0.98	9.1	1.0	45.16	3.88	1.94	0.0	20.0	0.0	43.2	16.1
15	0.98	9.6	1.0	47.33	4.07	2.04	0.0	20.0	0.0	45.2	16.8
16	0.98	10.1	1.0	49.33	4.24	2.12	0.0	20.0	0.0	47.0	17.5
17	0.98	10.6	1.0	51.16	4.4	2.2	0.0	20.0	0.0	48.7	18.1
18	0.98	11.1	1.0	52.82	4.54	2.27	0.0	20.0	0.0	50.2	18.7
19	0.98	11.6	1.0	54.31	4.67	2.34	0.0	20.0	0.0	51.5	19.2
20	0.98	12.1	1.0	55.64	4.78	2.39	0.0	20.0	0.0	52.7	19.6
21	0.98	12.6	1.0	56.79	4.88	2.44	0.0	20.0	0.0	53.7	20.0
22	0.98	13.1	1.0	57.78	4.97	2.48	0.0	20.0	0.0	54.6	20.3
23	0.98	13.6	1.0	58.59	5.04	2.52	0.0	20.0	0.0	55.3	20.6
24	0.98	14.1	1.0	59.23	5.09	2.55	0.0	20.0	0.0	55.8	20.8
25	0.98	14.6	1.0	59.69	5.13	2.57	0.0	20.0	0.0	56.2	21.0
26	0.98	15.1	1.0	59.98	5.16	2.58	0.0	20.0	0.0	56.5	21.0
27	0.98	15.6	1.0	60.09	5.17	2.58	0.0	20.0	0.0	56.5	21.1
28	0.98	16.1	1.0	60.03	5.16	2.58	0.0	20.0	0.0	56.4	21.0
29	0.98	16.6	1.0	59.78	5.14	2.57	0.0	20.0	0.0	56.1	20.9
30	1.11	17.1	1.2	67.24	5.78	2.89	0.0	20.0	0.0	63.1	23.5
31	0.85	17.6	0.9	50.72	4.36	2.18	0.0	20.0	0.0	47.6	17.7
32	0.98	18.1	1.0	57.42	4.94	2.47	0.0	20.0	0.0	53.9	20.1
33	0.98	18.6	1.0	56.05	4.82	2.41	0.0	20.0	0.0	52.5	19.6
34	0.98	19.1	1.0	54.49	4.69	2.34	0.0	20.0	0.0	51.1	19.0
35	0.98	19.6	1.0	52.74	4.54	2.27	0.0	20.0	0.0	49.4	18.4
36	0.98	20.1	1.0	50.81	4.37	2.18	0.0	20.0	0.0	47.6	17.7
37	0.98	20.6	1.0	48.68	4.19	2.09	0.0	20.0	0.0	45.6	17.0
38	0.98	21.2	1.1	46.36	3.99	1.99	0.0	20.0	0.0	43.4	16.2
39	0.98	21.7	1.1	43.84	3.77	1.88	0.0	20.0	0.0	41.1	15.3



40	0.98	22.2	1.1	41.12	3.54	1.77	0.0	20.0	0.0	38.5	14.4
41	0.98	22.7	1.1	38.2	3.29	1.64	0.0	20.0	0.0	35.8	13.3
42	0.98	23.2	1.1	35.08	3.02	1.51	0.0	20.0	0.0	32.9	12.3
43	0.98	23.8	1.1	31.75	2.73	1.37	0.0	20.0	0.0	29.8	11.1
44	0.98	24.3	1.1	28.22	2.43	1.21	0.0	20.0	0.0	26.5	9.9
45	0.98	24.8	1.1	24.47	2.1	1.05	0.0	20.0	0.0	23.0	8.6
46	0.98	25.4	1.1	20.52	1.76	0.88	0.0	20.0	0.0	19.3	7.2
47	0.98	25.9	1.1	16.35	1.41	0.7	0.0	20.0	0.0	15.4	5.7
48	0.98	26.4	1.1	11.95	1.03	0.51	0.0	20.0	0.0	11.3	4.2
49	0.98	27.0	1.1	7.34	0.63	0.32	0.0	20.0	0.0	6.9	2.6
50	0.98	27.5	1.1	2.5	0.22	0.11	0.0	20.0	0.0	2.4	0.9

$x_c = 173.579$   $y_c = 154.204$   $R_c = 118.421$   $F_s = 1.022$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.17	-0.2	1.2	3.87	0.33	0.17	0.0	20.0	0.0	3.9	1.4
2	1.17	0.3	1.2	11.4	0.98	0.49	0.0	20.0	0.0	11.4	4.1
3	1.17	0.9	1.2	18.67	1.61	0.8	0.0	20.0	0.0	18.6	6.6
4	1.17	1.5	1.2	25.67	2.21	1.1	0.0	20.0	0.0	25.4	9.1
5	1.17	2.0	1.2	32.4	2.79	1.39	0.0	20.0	0.0	32.0	11.4
6	1.17	2.6	1.2	38.87	3.34	1.67	0.0	20.0	0.0	38.3	13.6
7	1.17	3.2	1.2	45.06	3.88	1.94	0.0	20.0	0.0	44.3	15.8
8	1.17	3.7	1.2	50.98	4.38	2.19	0.0	20.0	0.0	49.9	17.8
9	1.17	4.3	1.2	56.64	4.87	2.44	0.0	20.0	0.0	55.3	19.7
10	1.17	4.9	1.2	62.02	5.33	2.67	0.0	20.0	0.0	60.4	21.5
11	1.17	5.5	1.2	67.14	5.77	2.89	0.0	20.0	0.0	65.2	23.2
12	1.17	6.0	1.2	71.98	6.19	3.1	0.0	20.0	0.0	69.8	24.8
13	1.17	6.6	1.2	76.55	6.58	3.29	0.0	20.0	0.0	74.0	26.4
14	1.17	7.2	1.2	80.85	6.95	3.48	0.0	20.0	0.0	78.0	27.8
15	1.17	7.7	1.2	84.87	7.3	3.65	0.0	20.0	0.0	81.7	29.1
16	0.83	8.2	0.8	62.59	5.38	2.69	0.0	20.0	0.0	60.1	21.4
17	1.51	8.8	1.5	117.65	10.12	5.06	0.0	20.0	0.0	112.8	40.2
18	1.17	9.5	1.2	94.27	8.11	4.05	0.0	20.0	0.0	90.2	32.1
19	1.17	10.0	1.2	96.62	8.31	4.15	0.0	20.0	0.0	92.3	32.9
20	1.17	10.6	1.2	98.69	8.49	4.24	0.0	20.0	0.0	94.1	33.5
21	1.17	11.2	1.2	100.47	8.64	4.32	0.0	20.0	0.0	95.7	34.1
22	1.17	11.8	1.2	101.97	8.77	4.38	0.0	20.0	0.0	97.0	34.5
23	1.17	12.4	1.2	103.19	8.87	4.44	0.0	20.0	0.0	98.0	34.9
24	1.17	12.9	1.2	104.12	8.95	4.48	0.0	20.0	0.0	98.8	35.2
25	1.17	13.5	1.2	104.76	9.01	4.5	0.0	20.0	0.0	99.2	35.3
26	1.17	14.1	1.2	105.11	9.04	4.52	0.0	20.0	0.0	99.5	35.4
27	1.17	14.7	1.2	105.16	9.04	4.52	0.0	20.0	0.0	99.4	35.4
28	1.17	15.3	1.2	104.92	9.02	4.51	0.0	20.0	0.0	99.1	35.3
29	1.17	15.9	1.2	104.38	8.98	4.49	0.0	20.0	0.0	98.5	35.1
30	1.17	16.5	1.2	103.54	8.9	4.45	0.0	20.0	0.0	97.7	34.8
31	1.17	17.1	1.2	102.39	8.81	4.4	0.0	20.0	0.0	96.6	34.4
32	1.17	17.7	1.2	100.94	8.68	4.34	0.0	20.0	0.0	95.1	33.9
33	1.17	18.3	1.2	99.18	8.53	4.26	0.0	20.0	0.0	93.5	33.3
34	1.17	18.9	1.2	97.1	8.35	4.18	0.0	20.0	0.0	91.5	32.6
35	1.17	19.5	1.2	94.71	8.15	4.07	0.0	20.0	0.0	89.2	31.8
36	1.17	20.1	1.3	92.0	7.91	3.96	0.0	20.0	0.0	86.7	30.9
37	1.17	20.7	1.3	88.96	7.65	3.83	0.0	20.0	0.0	83.8	29.9
38	1.17	21.3	1.3	85.6	7.36	3.68	0.0	20.0	0.0	80.7	28.7

39	1.17	21.9	1.3	81.91	7.04	3.52	0.0	20.0	0.0	77.2	27.5
40	1.17	22.5	1.3	77.88	6.7	3.35	0.0	20.0	0.0	73.5	26.2
41	1.17	23.1	1.3	73.52	6.32	3.16	0.0	20.0	0.0	69.4	24.7
42	1.17	23.7	1.3	68.8	5.92	2.96	0.0	20.0	0.0	65.0	23.1
43	1.17	24.4	1.3	63.74	5.48	2.74	0.0	20.0	0.0	60.3	21.5
44	1.17	25.0	1.3	58.33	5.02	2.51	0.0	20.0	0.0	55.2	19.7
45	0.63	25.5	0.7	29.02	2.5	1.25	0.0	20.0	0.0	27.5	9.8
46	1.72	26.1	1.9	67.21	5.78	2.89	0.0	20.0	0.0	63.7	22.7
47	1.17	26.9	1.3	34.84	3.0	1.5	0.0	20.0	0.0	33.1	11.8
48	1.17	27.5	1.3	25.37	2.18	1.09	0.0	20.0	0.0	24.1	8.6
49	1.17	28.2	1.3	15.51	1.33	0.67	0.0	20.0	0.0	14.8	5.3
50	1.17	28.8	1.3	5.27	0.45	0.23	0.0	20.0	0.0	5.0	1.8

$x_c = 191.021$   $y_c = 149.054$   $R_c = 105.136$   $F_s = 1.006$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.37	9.1	0.4	0.14	0.01	0.01	0.0	20.0	0.0	0.1	0.0
2	0.37	9.3	0.4	0.4	0.03	0.02	0.0	20.0	0.0	0.4	0.1
3	0.37	9.5	0.4	0.66	0.06	0.03	0.0	20.0	0.0	0.6	0.2
4	0.37	9.7	0.4	0.9	0.08	0.04	0.0	20.0	0.0	0.9	0.3
5	0.37	9.9	0.4	1.14	0.1	0.05	0.0	20.0	0.0	1.1	0.4
6	0.37	10.1	0.4	1.37	0.12	0.06	0.0	20.0	0.0	1.3	0.5
7	0.37	10.3	0.4	1.58	0.14	0.07	0.0	20.0	0.0	1.5	0.5
8	0.37	10.5	0.4	1.79	0.15	0.08	0.0	20.0	0.0	1.7	0.6
9	0.37	10.7	0.4	1.98	0.17	0.09	0.0	20.0	0.0	1.9	0.7
10	0.37	10.9	0.4	2.17	0.19	0.09	0.0	20.0	0.0	2.1	0.7
11	0.37	11.1	0.4	2.34	0.2	0.1	0.0	20.0	0.0	2.2	0.8
12	0.37	11.3	0.4	2.51	0.22	0.11	0.0	20.0	0.0	2.4	0.9
13	0.37	11.5	0.4	2.66	0.23	0.11	0.0	20.0	0.0	2.5	0.9
14	0.37	11.7	0.4	2.81	0.24	0.12	0.0	20.0	0.0	2.7	1.0
15	0.37	11.9	0.4	2.94	0.25	0.13	0.0	20.0	0.0	2.8	1.0
16	0.37	12.1	0.4	3.06	0.26	0.13	0.0	20.0	0.0	2.9	1.1
17	0.37	12.4	0.4	3.18	0.27	0.14	0.0	20.0	0.0	3.0	1.1
18	0.37	12.6	0.4	3.28	0.28	0.14	0.0	20.0	0.0	3.1	1.1
19	0.37	12.8	0.4	3.37	0.29	0.15	0.0	20.0	0.0	3.2	1.2
20	0.37	13.0	0.4	3.46	0.3	0.15	0.0	20.0	0.0	3.3	1.2
21	0.37	13.2	0.4	3.53	0.3	0.15	0.0	20.0	0.0	3.3	1.2
22	0.37	13.4	0.4	3.59	0.31	0.15	0.0	20.0	0.0	3.4	1.2
23	0.37	13.6	0.4	3.64	0.31	0.16	0.0	20.0	0.0	3.4	1.2
24	0.37	13.8	0.4	3.68	0.32	0.16	0.0	20.0	0.0	3.5	1.3
25	0.37	14.0	0.4	3.71	0.32	0.16	0.0	20.0	0.0	3.5	1.3
26	0.37	14.2	0.4	3.73	0.32	0.16	0.0	20.0	0.0	3.5	1.3
27	0.37	14.4	0.4	3.74	0.32	0.16	0.0	20.0	0.0	3.5	1.3
28	0.37	14.7	0.4	3.74	0.32	0.16	0.0	20.0	0.0	3.5	1.3
29	0.37	14.9	0.4	3.73	0.32	0.16	0.0	20.0	0.0	3.5	1.3
30	0.37	15.1	0.4	3.7	0.32	0.16	0.0	20.0	0.0	3.5	1.3
31	0.37	15.3	0.4	3.67	0.32	0.16	0.0	20.0	0.0	3.5	1.3
32	0.37	15.5	0.4	3.62	0.31	0.16	0.0	20.0	0.0	3.4	1.2
33	0.37	15.7	0.4	3.57	0.31	0.15	0.0	20.0	0.0	3.4	1.2
34	0.37	15.9	0.4	3.5	0.3	0.15	0.0	20.0	0.0	3.3	1.2
35	0.37	16.1	0.4	3.43	0.29	0.15	0.0	20.0	0.0	3.2	1.2
36	0.37	16.3	0.4	3.34	0.29	0.14	0.0	20.0	0.0	3.1	1.1
37	0.37	16.5	0.4	3.24	0.28	0.14	0.0	20.0	0.0	3.1	1.1

38	0.37	16.8	0.4	3.13	0.27	0.13	0.0	20.0	0.0	2.9	1.1
39	0.37	17.0	0.4	3.01	0.26	0.13	0.0	20.0	0.0	2.8	1.0
40	0.37	17.2	0.4	2.88	0.25	0.12	0.0	20.0	0.0	2.7	1.0
41	0.37	17.4	0.4	2.74	0.24	0.12	0.0	20.0	0.0	2.6	0.9
42	0.37	17.6	0.4	2.58	0.22	0.11	0.0	20.0	0.0	2.4	0.9
43	0.37	17.8	0.4	2.42	0.21	0.1	0.0	20.0	0.0	2.3	0.8
44	0.37	18.0	0.4	2.24	0.19	0.1	0.0	20.0	0.0	2.1	0.8
45	0.37	18.2	0.4	2.06	0.18	0.09	0.0	20.0	0.0	1.9	0.7
46	0.37	18.5	0.4	1.86	0.16	0.08	0.0	20.0	0.0	1.7	0.6
47	0.31	18.7	0.3	1.37	0.12	0.06	0.0	20.0	0.0	1.3	0.5
48	0.44	18.9	0.5	1.53	0.13	0.07	0.0	20.0	0.0	1.4	0.5
49	0.37	19.1	0.4	0.76	0.07	0.03	0.0	20.0	0.0	0.7	0.3
50	0.37	19.3	0.4	0.26	0.02	0.01	0.0	20.0	0.0	0.2	0.1

$x_c = 225.906$   $y_c = 149.054$   $R_c = 98.111$   $F_s = 0.943$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.73	4.7	0.7	0.89	0.08	0.04	0.0	20.0	0.0	0.9	0.3
2	0.73	5.1	0.7	2.61	0.22	0.11	0.0	20.0	0.0	2.5	1.0
3	0.73	5.6	0.7	4.26	0.37	0.18	0.0	20.0	0.0	4.1	1.6
4	0.73	6.0	0.7	5.82	0.5	0.25	0.0	20.0	0.0	5.6	2.2
5	0.73	6.4	0.7	7.31	0.63	0.31	0.0	20.0	0.0	7.1	2.7
6	0.73	6.8	0.7	8.72	0.75	0.37	0.0	20.0	0.0	8.4	3.2
7	0.73	7.3	0.7	10.05	0.86	0.43	0.0	20.0	0.0	9.7	3.7
8	0.73	7.7	0.7	11.3	0.97	0.49	0.0	20.0	0.0	10.8	4.2
9	0.73	8.1	0.7	12.47	1.07	0.54	0.0	20.0	0.0	11.9	4.6
10	0.9	8.6	0.9	16.85	1.45	0.72	0.0	20.0	0.0	16.1	6.2
11	0.56	9.0	0.6	11.38	0.98	0.49	0.0	20.0	0.0	10.9	4.2
12	0.73	9.4	0.7	15.96	1.37	0.69	0.0	20.0	0.0	15.2	5.9
13	0.73	9.8	0.7	17.18	1.48	0.74	0.0	20.0	0.0	16.3	6.3
14	0.73	10.3	0.7	18.31	1.57	0.79	0.0	20.0	0.0	17.4	6.7
15	0.73	10.7	0.7	19.36	1.66	0.83	0.0	20.0	0.0	18.4	7.1
16	0.73	11.1	0.7	20.33	1.75	0.87	0.0	20.0	0.0	19.3	7.4
17	0.73	11.6	0.7	21.22	1.82	0.91	0.0	20.0	0.0	20.1	7.7
18	0.73	12.0	0.7	22.02	1.89	0.95	0.0	20.0	0.0	20.8	8.0
19	0.73	12.4	0.7	22.75	1.96	0.98	0.0	20.0	0.0	21.5	8.3
20	0.73	12.9	0.7	23.39	2.01	1.01	0.0	20.0	0.0	22.0	8.5
21	0.73	13.3	0.7	23.94	2.06	1.03	0.0	20.0	0.0	22.5	8.7
22	0.73	13.8	0.8	24.42	2.1	1.05	0.0	20.0	0.0	23.0	8.9
23	0.73	14.2	0.8	24.81	2.13	1.07	0.0	20.0	0.0	23.3	9.0
24	0.73	14.6	0.8	25.11	2.16	1.08	0.0	20.0	0.0	23.6	9.1
25	0.73	15.1	0.8	25.33	2.18	1.09	0.0	20.0	0.0	23.8	9.2
26	0.73	15.5	0.8	25.46	2.19	1.09	0.0	20.0	0.0	23.9	9.2
27	0.73	16.0	0.8	25.51	2.19	1.1	0.0	20.0	0.0	23.9	9.2
28	0.73	16.4	0.8	25.47	2.19	1.1	0.0	20.0	0.0	23.8	9.2
29	0.73	16.8	0.8	25.34	2.18	1.09	0.0	20.0	0.0	23.7	9.1
30	0.73	17.3	0.8	25.12	2.16	1.08	0.0	20.0	0.0	23.5	9.1
31	0.73	17.7	0.8	24.82	2.13	1.07	0.0	20.0	0.0	23.2	8.9
32	0.73	18.2	0.8	24.42	2.1	1.05	0.0	20.0	0.0	22.8	8.8
33	0.73	18.6	0.8	23.94	2.06	1.03	0.0	20.0	0.0	22.4	8.6
34	0.73	19.1	0.8	23.36	2.01	1.0	0.0	20.0	0.0	21.8	8.4
35	0.73	19.5	0.8	22.7	1.95	0.98	0.0	20.0	0.0	21.2	8.2
36	0.73	20.0	0.8	21.94	1.89	0.94	0.0	20.0	0.0	20.5	7.9

37	0.73	20.4	0.8	21.09	1.81	0.91	0.0	20.0	0.0	19.7	7.6
38	0.73	20.9	0.8	20.14	1.73	0.87	0.0	20.0	0.0	18.8	7.3
39	0.73	21.4	0.8	19.1	1.64	0.82	0.0	20.0	0.0	17.8	6.9
40	0.73	21.8	0.8	17.96	1.54	0.77	0.0	20.0	0.0	16.8	6.5
41	0.73	22.3	0.8	16.73	1.44	0.72	0.0	20.0	0.0	15.6	6.0
42	0.73	22.7	0.8	15.4	1.32	0.66	0.0	20.0	0.0	14.4	5.5
43	0.73	23.2	0.8	13.97	1.2	0.6	0.0	20.0	0.0	13.0	5.0
44	0.73	23.7	0.8	12.44	1.07	0.53	0.0	20.0	0.0	11.6	4.5
45	0.73	24.1	0.8	10.81	0.93	0.46	0.0	20.0	0.0	10.1	3.9
46	0.73	24.6	0.8	9.08	0.78	0.39	0.0	20.0	0.0	8.5	3.3
47	0.73	25.1	0.8	7.24	0.62	0.31	0.0	20.0	0.0	6.8	2.6
48	0.73	25.5	0.8	5.31	0.46	0.23	0.0	20.0	0.0	5.0	1.9
49	0.73	26.0	0.8	3.26	0.28	0.14	0.0	20.0	0.0	3.1	1.2
50	0.73	26.5	0.8	1.12	0.1	0.05	0.0	20.0	0.0	1.0	0.4

$$x_c = 243.348 \quad y_c = 154.204 \quad R_c = 99.474 \quad F_s = 1.072$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.93	2.3	0.9	2.11	0.18	0.09	0.0	20.0	0.0	2.1	0.7
2	0.93	2.8	0.9	6.21	0.53	0.27	0.0	20.0	0.0	6.1	2.1
3	0.93	3.4	0.9	10.15	0.87	0.44	0.0	20.0	0.0	10.0	3.4
4	0.93	3.9	0.9	13.93	1.2	0.6	0.0	20.0	0.0	13.6	4.6
5	0.93	4.5	0.9	17.55	1.51	0.75	0.0	20.0	0.0	17.1	5.8
6	0.93	5.0	0.9	21.01	1.81	0.9	0.0	20.0	0.0	20.5	7.0
7	0.93	5.5	0.9	24.31	2.09	1.05	0.0	20.0	0.0	23.6	8.0
8	0.93	6.1	0.9	27.45	2.36	1.18	0.0	20.0	0.0	26.6	9.0
9	0.93	6.6	0.9	30.42	2.62	1.31	0.0	20.0	0.0	29.5	10.0
10	0.93	7.1	0.9	33.23	2.86	1.43	0.0	20.0	0.0	32.1	10.9
11	0.93	7.7	0.9	35.89	3.09	1.54	0.0	20.0	0.0	34.6	11.8
12	0.93	8.2	0.9	38.37	3.3	1.65	0.0	20.0	0.0	37.0	12.5
13	0.93	8.8	0.9	40.7	3.5	1.75	0.0	20.0	0.0	39.1	13.3
14	0.93	9.3	0.9	42.86	3.69	1.84	0.0	20.0	0.0	41.1	14.0
15	0.93	9.9	0.9	44.85	3.86	1.93	0.0	20.0	0.0	43.0	14.6
16	0.93	10.4	0.9	46.68	4.01	2.01	0.0	20.0	0.0	44.7	15.2
17	0.93	10.9	0.9	48.34	4.16	2.08	0.0	20.0	0.0	46.2	15.7
18	0.93	11.5	0.9	49.83	4.29	2.14	0.0	20.0	0.0	47.6	16.1
19	0.93	12.0	1.0	51.16	4.4	2.2	0.0	20.0	0.0	48.8	16.6
20	0.93	12.6	1.0	52.31	4.5	2.25	0.0	20.0	0.0	49.8	16.9
21	0.93	13.1	1.0	53.29	4.58	2.29	0.0	20.0	0.0	50.7	17.2
22	0.93	13.7	1.0	54.1	4.65	2.33	0.0	20.0	0.0	51.4	17.5
23	0.93	14.2	1.0	54.74	4.71	2.35	0.0	20.0	0.0	52.0	17.7
24	0.93	14.8	1.0	55.2	4.75	2.37	0.0	20.0	0.0	52.4	17.8
25	0.93	15.4	1.0	55.49	4.77	2.39	0.0	20.0	0.0	52.6	17.9
26	0.93	15.9	1.0	55.6	4.78	2.39	0.0	20.0	0.0	52.7	17.9
27	0.93	16.5	1.0	55.53	4.78	2.39	0.0	20.0	0.0	52.6	17.9
28	0.93	17.0	1.0	55.28	4.75	2.38	0.0	20.0	0.0	52.4	17.8
29	0.93	17.6	1.0	54.85	4.72	2.36	0.0	20.0	0.0	51.9	17.6
30	0.93	18.2	1.0	54.24	4.66	2.33	0.0	20.0	0.0	51.4	17.4
31	0.93	18.7	1.0	53.43	4.6	2.3	0.0	20.0	0.0	50.6	17.2
32	0.93	19.3	1.0	52.45	4.51	2.26	0.0	20.0	0.0	49.7	16.9
33	0.93	19.9	1.0	51.27	4.41	2.2	0.0	20.0	0.0	48.6	16.5
34	0.93	20.4	1.0	49.91	4.29	2.15	0.0	20.0	0.0	47.3	16.0
35	0.93	21.0	1.0	48.35	4.16	2.08	0.0	20.0	0.0	45.8	15.6

36	0.93	21.6	1.0	46.59	4.01	2.0	0.0	20.0	0.0	44.2	15.0
37	0.93	22.2	1.0	44.63	3.84	1.92	0.0	20.0	0.0	42.3	14.4
38	0.93	22.7	1.0	42.48	3.65	1.83	0.0	20.0	0.0	40.3	13.7
39	0.93	23.3	1.0	40.13	3.45	1.73	0.0	20.0	0.0	38.1	12.9
40	1.22	24.0	1.3	48.53	4.17	2.09	0.0	20.0	0.0	46.1	15.7
41	0.65	24.6	0.7	23.9	2.06	1.03	0.0	20.0	0.0	22.7	7.7
42	0.93	25.1	1.0	32.12	2.76	1.38	0.0	20.0	0.0	30.6	10.4
43	0.93	25.7	1.0	29.19	2.51	1.26	0.0	20.0	0.0	27.8	9.5
44	0.93	26.3	1.0	26.03	2.24	1.12	0.0	20.0	0.0	24.9	8.4
45	0.93	26.9	1.0	22.66	1.95	0.97	0.0	20.0	0.0	21.7	7.4
46	0.93	27.5	1.0	19.06	1.64	0.82	18.12	25.4	0.0	10.0	22.1
47	0.93	28.1	1.1	15.24	1.31	0.66	18.12	25.4	0.0	6.3	20.6
48	0.93	28.7	1.1	11.18	0.96	0.48	18.12	25.4	0.0	2.4	19.0
49	0.93	29.3	1.1	6.89	0.59	0.3	18.12	25.4	0.0	-1.8	17.3
50	0.93	29.9	1.1	2.36	0.2	0.1	18.12	25.4	0.0	-6.2	15.4

$x_c = 103.81$   $y_c = 164.503$   $R_c = 146.338$   $F_s = 1.035$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.46	-1.5	0.5	0.26	0.02	0.01	0.0	20.0	0.0	0.3	0.1
2	2.52	-0.9	2.5	14.52	1.25	0.62	0.0	20.0	0.0	14.6	5.1
3	1.49	-0.1	1.5	19.04	1.64	0.82	0.0	20.0	0.0	19.0	6.7
4	1.49	0.5	1.5	26.28	2.26	1.13	0.0	20.0	0.0	26.2	9.2
5	1.49	1.1	1.5	33.08	2.84	1.42	0.0	20.0	0.0	32.9	11.6
6	1.49	1.6	1.5	39.43	3.39	1.7	0.0	20.0	0.0	39.0	13.7
7	1.49	2.2	1.5	45.33	3.9	1.95	0.0	20.0	0.0	44.8	15.7
8	1.49	2.8	1.5	50.8	4.37	2.18	0.0	20.0	0.0	50.0	17.6
9	1.49	3.4	1.5	55.81	4.8	2.4	0.0	20.0	0.0	54.8	19.3
10	1.49	4.0	1.5	60.38	5.19	2.6	0.0	20.0	0.0	59.1	20.8
11	1.49	4.6	1.5	64.5	5.55	2.77	0.0	20.0	0.0	62.9	22.1
12	1.49	5.2	1.5	68.17	5.86	2.93	0.0	20.0	0.0	66.3	23.3
13	1.49	5.7	1.5	71.39	6.14	3.07	0.0	20.0	0.0	69.3	24.4
14	1.49	6.3	1.5	74.16	6.38	3.19	0.0	20.0	0.0	71.8	25.3
15	1.49	6.9	1.5	76.47	6.58	3.29	0.0	20.0	0.0	73.9	26.0
16	1.49	7.5	1.5	78.33	6.74	3.37	0.0	20.0	0.0	75.5	26.6
17	0.88	8.0	0.9	47.15	4.05	2.03	0.0	20.0	0.0	45.4	16.0
18	2.1	8.6	2.1	118.07	10.15	5.08	0.0	20.0	0.0	113.4	39.9
19	1.49	9.3	1.5	90.36	7.77	3.89	0.0	20.0	0.0	86.6	30.5
20	1.49	9.9	1.5	95.21	8.19	4.09	0.0	20.0	0.0	91.1	32.0
21	1.49	10.5	1.5	99.59	8.56	4.28	0.0	20.0	0.0	95.1	33.5
22	1.49	11.1	1.5	103.5	8.9	4.45	0.0	20.0	0.0	98.7	34.7
23	1.49	11.7	1.5	106.94	9.2	4.6	0.0	20.0	0.0	101.8	35.8
24	1.49	12.3	1.5	109.91	9.45	4.73	0.0	20.0	0.0	104.5	36.8
25	1.49	12.9	1.5	112.4	9.67	4.83	0.0	20.0	0.0	106.7	37.5
26	1.49	13.5	1.5	114.41	9.84	4.92	0.0	20.0	0.0	108.5	38.2
27	1.49	14.1	1.5	115.94	9.97	4.99	0.0	20.0	0.0	109.8	38.6
28	1.49	14.7	1.5	116.98	10.06	5.03	0.0	20.0	0.0	110.7	39.0
29	1.49	15.3	1.5	117.53	10.11	5.05	0.0	20.0	0.0	111.2	39.1
30	1.49	15.9	1.6	117.58	10.11	5.06	0.0	20.0	0.0	111.1	39.1
31	1.49	16.5	1.6	117.14	10.07	5.04	0.0	20.0	0.0	110.6	38.9
32	1.49	17.1	1.6	116.19	9.99	5.0	0.0	20.0	0.0	109.7	38.6
33	1.49	17.7	1.6	114.73	9.87	4.93	0.0	20.0	0.0	108.3	38.1
34	1.49	18.3	1.6	112.75	9.7	4.85	0.0	20.0	0.0	106.4	37.4

35	1.49	18.9	1.6	110.26	9.48	4.74	0.0	20.0	0.0	104.0	36.6
36	1.49	19.5	1.6	107.24	9.22	4.61	0.0	20.0	0.0	101.2	35.6
37	1.49	20.2	1.6	103.69	8.92	4.46	0.0	20.0	0.0	97.8	34.4
38	1.49	20.8	1.6	99.6	8.57	4.28	0.0	20.0	0.0	94.0	33.1
39	1.49	21.4	1.6	94.97	8.17	4.08	0.0	20.0	0.0	89.6	31.5
40	1.49	22.0	1.6	89.79	7.72	3.86	0.0	20.0	0.0	84.8	29.8
41	1.49	22.7	1.6	84.04	7.23	3.61	0.0	20.0	0.0	79.4	27.9
42	1.49	23.3	1.6	77.74	6.69	3.34	0.0	20.0	0.0	73.5	25.9
43	1.49	23.9	1.6	70.85	6.09	3.05	0.0	20.0	0.0	67.1	23.6
44	1.49	24.6	1.6	63.39	5.45	2.73	0.0	20.0	0.0	60.0	21.1
45	1.49	25.2	1.6	55.33	4.76	2.38	0.0	20.0	0.0	52.5	18.5
46	1.49	25.9	1.7	46.67	4.01	2.01	0.0	20.0	0.0	44.3	15.6
47	1.49	26.5	1.7	37.4	3.22	1.61	0.0	20.0	0.0	35.6	12.5
48	1.49	27.2	1.7	27.51	2.37	1.18	0.0	20.0	0.0	26.2	9.2
49	1.49	27.8	1.7	16.99	1.46	0.73	0.0	20.0	0.0	16.2	5.7
50	1.49	28.5	1.7	5.83	0.5	0.25	0.0	20.0	0.0	5.6	2.0

$$x_c = 121.252 \quad y_c = 159.353 \quad R_c = 139.541 \quad F_s = 0.992$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.73	-3.7	1.7	6.93	0.6	0.3	0.0	20.0	0.0	7.1	2.6
2	1.73	-3.0	1.7	20.23	1.74	0.87	0.0	20.0	0.0	20.6	7.6
3	1.73	-2.2	1.7	32.81	2.82	1.41	0.0	20.0	0.0	33.3	12.2
4	1.73	-1.5	1.7	44.65	3.84	1.92	0.0	20.0	0.0	45.1	16.6
5	1.73	-0.8	1.7	55.78	4.8	2.4	0.0	20.0	0.0	56.1	20.6
6	1.73	-0.1	1.7	66.17	5.69	2.85	0.0	20.0	0.0	66.2	24.3
7	1.73	0.6	1.7	75.84	6.52	3.26	0.0	20.0	0.0	75.6	27.7
8	1.0	1.2	1.0	48.14	4.14	2.07	0.0	20.0	0.0	47.8	17.5
9	2.45	1.9	2.5	136.2	11.71	5.86	0.0	20.0	0.0	134.7	49.4
10	1.73	2.7	1.7	112.92	9.71	4.86	0.0	20.0	0.0	111.1	40.8
11	1.73	3.4	1.7	126.16	10.85	5.42	0.0	20.0	0.0	123.7	45.4
12	1.73	4.1	1.7	138.67	11.93	5.96	0.0	20.0	0.0	135.4	49.7
13	1.73	4.9	1.7	150.44	12.94	6.47	0.0	20.0	0.0	146.4	53.7
14	1.73	5.6	1.7	161.48	13.89	6.94	0.0	20.0	0.0	156.6	57.5
15	1.73	6.3	1.7	171.79	14.77	7.39	0.0	20.0	0.0	166.1	61.0
16	1.73	7.0	1.7	181.35	15.6	7.8	0.0	20.0	0.0	174.8	64.2
17	1.73	7.7	1.7	190.18	16.36	8.18	0.0	20.0	0.0	182.8	67.1
18	1.73	8.4	1.7	198.26	17.05	8.53	0.0	20.0	0.0	190.1	69.8
19	1.73	9.1	1.8	205.59	17.68	8.84	0.0	20.0	0.0	196.6	72.2
20	1.73	9.9	1.8	212.16	18.25	9.12	0.0	20.0	0.0	202.4	74.3
21	1.73	10.6	1.8	217.98	18.75	9.37	0.0	20.0	0.0	207.5	76.2
22	1.73	11.3	1.8	223.03	19.18	9.59	0.0	20.0	0.0	211.9	77.8
23	1.73	12.0	1.8	227.31	19.55	9.77	0.0	20.0	0.0	215.6	79.1
24	1.73	12.8	1.8	230.82	19.85	9.93	0.0	20.0	0.0	218.5	80.2
25	1.73	13.5	1.8	233.54	20.08	10.04	0.0	20.0	0.0	220.7	81.0
26	1.73	14.2	1.8	235.48	20.25	10.13	0.0	20.0	0.0	222.2	81.6
27	1.73	15.0	1.8	236.61	20.35	10.17	0.0	20.0	0.0	223.0	81.9
28	1.73	15.7	1.8	236.95	20.38	10.19	0.0	20.0	0.0	223.1	81.9
29	1.73	16.4	1.8	236.47	20.34	10.17	0.0	20.0	0.0	222.5	81.6
30	1.73	17.2	1.8	235.17	20.22	10.11	0.0	20.0	0.0	221.1	81.1
31	1.73	17.9	1.8	233.03	20.04	10.02	0.0	20.0	0.0	218.9	80.3
32	1.73	18.7	1.8	230.06	19.78	9.89	0.0	20.0	0.0	216.0	79.3
33	1.73	19.4	1.8	226.23	19.46	9.73	0.0	20.0	0.0	212.4	77.9

34	1.73	20.2	1.8	221.53	19.05	9.53	0.0	20.0	0.0	208.0	76.3
35	1.73	20.9	1.9	215.96	18.57	9.29	0.0	20.0	0.0	202.8	74.4
36	1.73	21.7	1.9	209.5	18.02	9.01	0.0	20.0	0.0	196.7	72.2
37	1.73	22.5	1.9	202.13	17.38	8.69	0.0	20.0	0.0	189.9	69.7
38	1.73	23.2	1.9	193.84	16.67	8.34	0.0	20.0	0.0	182.2	66.9
39	1.73	24.0	1.9	184.62	15.88	7.94	0.0	20.0	0.0	173.7	63.8
40	1.73	24.8	1.9	174.44	15.0	7.5	0.0	20.0	0.0	164.3	60.3
41	1.73	25.6	1.9	163.3	14.04	7.02	0.0	20.0	0.0	154.0	56.5
42	1.73	26.4	1.9	151.17	13.0	6.5	0.0	20.0	0.0	142.7	52.4
43	1.73	27.2	1.9	138.03	11.87	5.94	0.0	20.0	0.0	130.5	47.9
44	1.73	28.0	2.0	123.85	10.65	5.33	0.0	20.0	0.0	117.4	43.1
45	1.73	28.8	2.0	108.63	9.34	4.67	0.0	20.0	0.0	103.1	37.9
46	1.71	29.6	2.0	91.38	7.86	3.93	0.0	20.0	0.0	87.0	31.9
47	1.75	30.4	2.0	75.25	6.47	3.24	0.0	20.0	0.0	71.8	26.3
48	1.73	31.2	2.0	54.54	4.69	2.35	0.0	20.0	0.0	52.2	19.1
49	1.73	32.1	2.0	33.62	2.89	1.45	0.0	20.0	0.0	32.3	11.8
50	1.73	32.9	2.1	11.51	0.99	0.5	0.0	20.0	0.0	11.1	4.1

$x_c = 138.695$   $y_c = 164.503$   $R_c = 134.756$   $F_s = 0.949$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.81	6.7	0.8	1.05	0.09	0.05	0.0	20.0	0.0	1.0	0.4
2	0.81	7.1	0.8	3.1	0.27	0.13	0.0	20.0	0.0	3.0	1.1
3	0.81	7.4	0.8	5.07	0.44	0.22	0.0	20.0	0.0	4.9	1.9
4	0.81	7.8	0.8	6.96	0.6	0.3	0.0	20.0	0.0	6.7	2.6
5	0.81	8.1	0.8	8.77	0.75	0.38	0.0	20.0	0.0	8.4	3.2
6	0.81	8.5	0.8	10.49	0.9	0.45	0.0	20.0	0.0	10.0	3.9
7	0.81	8.8	0.8	12.14	1.04	0.52	0.0	20.0	0.0	11.6	4.5
8	0.81	9.2	0.8	13.71	1.18	0.59	0.0	20.0	0.0	13.1	5.0
9	0.81	9.5	0.8	15.2	1.31	0.65	0.0	20.0	0.0	14.5	5.6
10	0.81	9.9	0.8	16.61	1.43	0.71	0.0	20.0	0.0	15.8	6.1
11	0.81	10.2	0.8	17.93	1.54	0.77	0.0	20.0	0.0	17.0	6.5
12	0.81	10.6	0.8	19.18	1.65	0.82	0.0	20.0	0.0	18.2	7.0
13	0.81	10.9	0.8	20.34	1.75	0.87	0.0	20.0	0.0	19.3	7.4
14	0.81	11.3	0.8	21.42	1.84	0.92	0.0	20.0	0.0	20.3	7.8
15	0.81	11.6	0.8	22.42	1.93	0.96	0.0	20.0	0.0	21.2	8.1
16	0.81	12.0	0.8	23.33	2.01	1.0	0.0	20.0	0.0	22.1	8.5
17	0.81	12.3	0.8	24.17	2.08	1.04	0.0	20.0	0.0	22.8	8.8
18	0.81	12.7	0.8	24.92	2.14	1.07	0.0	20.0	0.0	23.5	9.0
19	0.81	13.0	0.8	25.58	2.2	1.1	0.0	20.0	0.0	24.1	9.3
20	0.81	13.4	0.8	26.16	2.25	1.13	0.0	20.0	0.0	24.6	9.5
21	0.81	13.7	0.8	26.66	2.29	1.15	0.0	20.0	0.0	25.1	9.6
22	0.81	14.1	0.8	27.08	2.33	1.16	0.0	20.0	0.0	25.5	9.8
23	0.81	14.4	0.8	27.41	2.36	1.18	0.0	20.0	0.0	25.8	9.9
24	0.81	14.8	0.8	27.65	2.38	1.19	0.0	20.0	0.0	26.0	10.0
25	0.81	15.2	0.8	27.81	2.39	1.2	0.0	20.0	0.0	26.1	10.0
26	0.81	15.5	0.8	27.88	2.4	1.2	0.0	20.0	0.0	26.1	10.0
27	0.81	15.9	0.8	27.86	2.4	1.2	0.0	20.0	0.0	26.1	10.0
28	0.81	16.2	0.8	27.76	2.39	1.19	0.0	20.0	0.0	26.0	10.0
29	0.81	16.6	0.8	27.57	2.37	1.19	0.0	20.0	0.0	25.8	9.9
30	0.81	16.9	0.8	27.29	2.35	1.17	0.0	20.0	0.0	25.5	9.8
31	0.81	17.3	0.8	26.93	2.32	1.16	0.0	20.0	0.0	25.2	9.7
32	0.81	17.7	0.9	26.47	2.28	1.14	0.0	20.0	0.0	24.8	9.5

33	0.81	18.0	0.9	25.92	2.23	1.11	0.0	20.0	0.0	24.2	9.3
34	0.81	18.4	0.9	25.29	2.17	1.09	0.0	20.0	0.0	23.6	9.1
35	0.81	18.8	0.9	24.56	2.11	1.06	0.0	20.0	0.0	22.9	8.8
36	0.81	19.1	0.9	23.74	2.04	1.02	0.0	20.0	0.0	22.2	8.5
37	0.81	19.5	0.9	22.84	1.96	0.98	0.0	20.0	0.0	21.3	8.2
38	0.81	19.9	0.9	21.83	1.88	0.94	0.0	20.0	0.0	20.4	7.8
39	0.81	20.2	0.9	20.74	1.78	0.89	0.0	20.0	0.0	19.4	7.4
40	0.81	20.6	0.9	19.55	1.68	0.84	0.0	20.0	0.0	18.3	7.0
41	0.81	21.0	0.9	18.26	1.57	0.79	0.0	20.0	0.0	17.1	6.5
42	0.81	21.3	0.9	16.88	1.45	0.73	0.0	20.0	0.0	15.8	6.0
43	0.81	21.7	0.9	15.41	1.33	0.66	0.0	20.0	0.0	14.4	5.5
44	0.81	22.1	0.9	13.84	1.19	0.59	0.0	20.0	0.0	12.9	5.0
45	0.81	22.4	0.9	12.17	1.05	0.52	0.0	20.0	0.0	11.4	4.4
46	0.41	22.7	0.4	5.5	0.47	0.24	0.0	20.0	0.0	5.1	2.0
47	1.21	23.1	1.3	13.14	1.13	0.56	0.0	20.0	0.0	12.3	4.7
48	0.81	23.6	0.9	6.03	0.52	0.26	0.0	20.0	0.0	5.6	2.2
49	0.81	23.9	0.9	3.69	0.32	0.16	0.0	20.0	0.0	3.5	1.3
50	0.81	24.3	0.9	1.26	0.11	0.05	0.0	20.0	0.0	1.2	0.5

$$x_c = 156.137 \quad y_c = 159.353 \quad R_c = 126.589 \quad F_s = 0.981$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.05	3.0	1.0	2.47	0.21	0.11	0.0	20.0	0.0	2.4	0.9
2	1.05	3.5	1.0	7.26	0.62	0.31	0.0	20.0	0.0	7.1	2.6
3	1.05	3.9	1.0	11.88	1.02	0.51	0.0	20.0	0.0	11.6	4.3
4	1.05	4.4	1.1	16.32	1.4	0.7	0.0	20.0	0.0	15.9	5.9
5	1.05	4.9	1.1	20.58	1.77	0.88	0.0	20.0	0.0	20.0	7.4
6	1.05	5.4	1.1	24.66	2.12	1.06	0.0	20.0	0.0	23.9	8.9
7	1.05	5.8	1.1	28.56	2.46	1.23	0.0	20.0	0.0	27.7	10.3
8	1.05	6.3	1.1	32.28	2.78	1.39	0.0	20.0	0.0	31.2	11.6
9	1.05	6.8	1.1	35.82	3.08	1.54	0.0	20.0	0.0	34.5	12.8
10	1.05	7.3	1.1	39.17	3.37	1.68	0.0	20.0	0.0	37.7	14.0
11	1.05	7.8	1.1	42.35	3.64	1.82	0.0	20.0	0.0	40.7	15.1
12	1.05	8.2	1.1	45.34	3.9	1.95	0.0	20.0	0.0	43.5	16.1
13	1.05	8.7	1.1	48.15	4.14	2.07	0.0	20.0	0.0	46.1	17.1
14	1.05	9.2	1.1	50.77	4.37	2.18	0.0	20.0	0.0	48.5	18.0
15	1.05	9.7	1.1	53.21	4.58	2.29	0.0	20.0	0.0	50.8	18.8
16	1.05	10.2	1.1	55.47	4.77	2.39	0.0	20.0	0.0	52.8	19.6
17	1.05	10.6	1.1	57.54	4.95	2.47	0.0	20.0	0.0	54.7	20.3
18	1.05	11.1	1.1	59.42	5.11	2.55	0.0	20.0	0.0	56.4	20.9
19	1.05	11.6	1.1	61.11	5.26	2.63	0.0	20.0	0.0	58.0	21.5
20	1.05	12.1	1.1	62.61	5.38	2.69	0.0	20.0	0.0	59.3	22.0
21	1.05	12.6	1.1	63.93	5.5	2.75	0.0	20.0	0.0	60.5	22.5
22	1.05	13.1	1.1	65.05	5.59	2.8	0.0	20.0	0.0	61.5	22.8
23	1.05	13.5	1.1	65.98	5.67	2.84	0.0	20.0	0.0	62.3	23.1
24	1.05	14.0	1.1	66.72	5.74	2.87	0.0	20.0	0.0	62.9	23.4
25	1.05	14.5	1.1	67.26	5.78	2.89	0.0	20.0	0.0	63.4	23.5
26	1.05	15.0	1.1	67.61	5.81	2.91	0.0	20.0	0.0	63.7	23.6
27	1.51	15.6	1.6	97.56	8.39	4.19	0.0	20.0	0.0	91.8	34.1
28	0.59	16.1	0.6	37.84	3.25	1.63	0.0	20.0	0.0	35.6	13.2
29	1.05	16.5	1.1	66.98	5.76	2.88	0.0	20.0	0.0	62.9	23.4
30	1.05	17.0	1.1	66.08	5.68	2.84	0.0	20.0	0.0	62.1	23.0
31	1.05	17.5	1.1	64.98	5.59	2.79	0.0	20.0	0.0	61.0	22.6



32	1.05	18.0	1.1	63.67	5.48	2.74	0.0	20.0	0.0	59.7	22.2
33	1.05	18.5	1.1	62.16	5.35	2.67	0.0	20.0	0.0	58.3	21.6
34	1.05	19.0	1.1	60.44	5.2	2.6	0.0	20.0	0.0	56.7	21.0
35	1.05	19.5	1.1	58.51	5.03	2.52	0.0	20.0	0.0	54.9	20.4
36	1.05	20.0	1.1	56.36	4.85	2.42	0.0	20.0	0.0	52.8	19.6
37	1.05	20.5	1.1	54.0	4.64	2.32	0.0	20.0	0.0	50.6	18.8
38	1.05	21.0	1.1	51.43	4.42	2.21	0.0	20.0	0.0	48.2	17.9
39	1.05	21.5	1.1	48.64	4.18	2.09	0.0	20.0	0.0	45.6	16.9
40	1.05	22.0	1.1	45.62	3.92	1.96	0.0	20.0	0.0	42.8	15.9
41	1.05	22.5	1.1	42.38	3.65	1.82	0.0	20.0	0.0	39.8	14.8
42	1.05	23.0	1.1	38.92	3.35	1.67	0.0	20.0	0.0	36.5	13.6
43	1.05	23.6	1.1	35.23	3.03	1.51	0.0	20.0	0.0	33.1	12.3
44	1.05	24.1	1.1	31.31	2.69	1.35	0.0	20.0	0.0	29.4	10.9
45	1.05	24.6	1.2	27.16	2.34	1.17	0.0	20.0	0.0	25.5	9.5
46	1.05	25.1	1.2	22.77	1.96	0.98	0.0	20.0	0.0	21.4	7.9
47	1.05	25.6	1.2	18.14	1.56	0.78	0.0	20.0	0.0	17.1	6.3
48	1.05	26.2	1.2	13.26	1.14	0.57	0.0	20.0	0.0	12.5	4.6
49	1.05	26.7	1.2	8.15	0.7	0.35	0.0	20.0	0.0	7.7	2.9
50	1.05	27.2	1.2	2.78	0.24	0.12	0.0	20.0	0.0	2.6	1.0

$x_c = 173.579$   $y_c = 164.503$   $R_c = 128.511$   $F_s = 1.032$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.23	0.1	1.2	4.18	0.36	0.18	0.0	20.0	0.0	4.2	1.5
2	1.23	0.7	1.2	12.32	1.06	0.53	0.0	20.0	0.0	12.3	4.3
3	1.23	1.2	1.2	20.17	1.73	0.87	0.0	20.0	0.0	20.0	7.1
4	1.23	1.8	1.2	27.74	2.39	1.19	0.0	20.0	0.0	27.5	9.7
5	1.23	2.3	1.2	35.02	3.01	1.51	0.0	20.0	0.0	34.6	12.2
6	1.23	2.9	1.2	42.01	3.61	1.81	0.0	20.0	0.0	41.3	14.6
7	1.23	3.4	1.2	48.72	4.19	2.09	0.0	20.0	0.0	47.8	16.9
8	1.23	4.0	1.2	55.13	4.74	2.37	0.0	20.0	0.0	53.9	19.0
9	1.23	4.5	1.2	61.26	5.27	2.63	0.0	20.0	0.0	59.8	21.1
10	1.23	5.1	1.2	67.1	5.77	2.89	0.0	20.0	0.0	65.3	23.0
11	1.23	5.6	1.2	72.65	6.25	3.12	0.0	20.0	0.0	70.5	24.9
12	1.23	6.2	1.2	77.91	6.7	3.35	0.0	20.0	0.0	75.5	26.6
13	1.23	6.7	1.2	82.87	7.13	3.56	0.0	20.0	0.0	80.1	28.3
14	1.67	7.4	1.7	119.92	10.31	5.16	0.0	20.0	0.0	115.6	40.8
15	0.79	8.0	0.8	59.43	5.11	2.56	0.0	20.0	0.0	57.2	20.2
16	1.23	8.4	1.2	95.3	8.2	4.1	0.0	20.0	0.0	91.6	32.3
17	1.23	9.0	1.2	98.47	8.47	4.23	0.0	20.0	0.0	94.4	33.3
18	1.23	9.5	1.3	101.34	8.71	4.36	0.0	20.0	0.0	97.0	34.2
19	1.23	10.1	1.3	103.91	8.94	4.47	0.0	20.0	0.0	99.3	35.0
20	1.23	10.6	1.3	106.18	9.13	4.57	0.0	20.0	0.0	101.3	35.7
21	1.23	11.2	1.3	108.15	9.3	4.65	0.0	20.0	0.0	103.0	36.3
22	1.23	11.8	1.3	109.81	9.44	4.72	0.0	20.0	0.0	104.5	36.9
23	1.23	12.3	1.3	111.17	9.56	4.78	0.0	20.0	0.0	105.7	37.3
24	1.23	12.9	1.3	112.22	9.65	4.83	0.0	20.0	0.0	106.5	37.6
25	1.23	13.5	1.3	112.96	9.71	4.86	0.0	20.0	0.0	107.1	37.8
26	1.23	14.0	1.3	113.4	9.75	4.88	0.0	20.0	0.0	107.4	37.9
27	1.23	14.6	1.3	113.51	9.76	4.88	0.0	20.0	0.0	107.4	37.9
28	1.23	15.2	1.3	113.32	9.75	4.87	0.0	20.0	0.0	107.2	37.8
29	1.23	15.7	1.3	112.8	9.7	4.85	0.0	20.0	0.0	106.6	37.6
30	1.23	16.3	1.3	111.96	9.63	4.81	0.0	20.0	0.0	105.7	37.3

31	1.23	16.9	1.3	110.8	9.53	4.76	0.0	20.0	0.0	104.6	36.9
32	1.23	17.4	1.3	109.31	9.4	4.7	0.0	20.0	0.0	103.1	36.4
33	1.23	18.0	1.3	107.49	9.24	4.62	0.0	20.0	0.0	101.4	35.8
34	1.23	18.6	1.3	105.33	9.06	4.53	0.0	20.0	0.0	99.3	35.0
35	1.23	19.2	1.3	102.84	8.84	4.42	0.0	20.0	0.0	97.0	34.2
36	1.23	19.8	1.3	100.01	8.6	4.3	0.0	20.0	0.0	94.3	33.3
37	1.23	20.4	1.3	96.84	8.33	4.16	0.0	20.0	0.0	91.3	32.2
38	1.23	20.9	1.3	93.32	8.03	4.01	0.0	20.0	0.0	88.0	31.1
39	1.23	21.5	1.3	89.44	7.69	3.85	0.0	20.0	0.0	84.4	29.8
40	1.23	22.1	1.3	85.22	7.33	3.66	0.0	20.0	0.0	80.5	28.4
41	1.23	22.7	1.3	80.62	6.93	3.47	0.0	20.0	0.0	76.2	26.9
42	0.97	23.3	1.1	60.17	5.17	2.59	0.0	20.0	0.0	56.9	20.1
43	1.49	23.9	1.6	83.76	7.2	3.6	0.0	20.0	0.0	79.2	27.9
44	1.23	24.5	1.4	59.77	5.14	2.57	0.0	20.0	0.0	56.6	20.0
45	1.23	25.1	1.4	50.84	4.37	2.19	0.0	20.0	0.0	48.2	17.0
46	1.23	25.7	1.4	41.53	3.57	1.79	0.0	20.0	0.0	39.4	13.9
47	1.23	26.4	1.4	31.82	2.74	1.37	0.0	20.0	0.0	30.2	10.7
48	1.2	27.0	1.3	21.19	1.82	0.91	0.0	20.0	0.0	20.2	7.1
49	1.27	27.6	1.4	13.13	1.13	0.56	0.0	20.0	0.0	12.5	4.4
50	1.23	28.2	1.4	4.3	0.37	0.19	0.0	20.0	0.0	4.1	1.4

$x_c = 191.021$   $y_c = 159.353$   $R_c = 115.201$   $F_s = 1.029$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.39	8.8	0.4	0.15	0.01	0.01	0.0	20.0	0.0	0.1	0.1
2	0.39	9.0	0.4	0.46	0.04	0.02	0.0	20.0	0.0	0.4	0.2
3	0.39	9.2	0.4	0.75	0.06	0.03	0.0	20.0	0.0	0.7	0.3
4	0.39	9.4	0.4	1.03	0.09	0.04	0.0	20.0	0.0	1.0	0.3
5	0.39	9.6	0.4	1.3	0.11	0.06	0.0	20.0	0.0	1.2	0.4
6	0.39	9.8	0.4	1.56	0.13	0.07	0.0	20.0	0.0	1.5	0.5
7	0.39	10.0	0.4	1.81	0.16	0.08	0.0	20.0	0.0	1.7	0.6
8	0.39	10.2	0.4	2.05	0.18	0.09	0.0	20.0	0.0	2.0	0.7
9	0.39	10.4	0.4	2.28	0.2	0.1	0.0	20.0	0.0	2.2	0.8
10	0.39	10.6	0.4	2.5	0.21	0.11	0.0	20.0	0.0	2.4	0.8
11	0.39	10.8	0.4	2.71	0.23	0.12	0.0	20.0	0.0	2.6	0.9
12	0.39	11.0	0.4	2.91	0.25	0.12	0.0	20.0	0.0	2.8	1.0
13	0.39	11.2	0.4	3.09	0.27	0.13	0.0	20.0	0.0	2.9	1.0
14	0.39	11.4	0.4	3.27	0.28	0.14	0.0	20.0	0.0	3.1	1.1
15	0.39	11.6	0.4	3.44	0.3	0.15	0.0	20.0	0.0	3.3	1.2
16	0.39	11.8	0.4	3.59	0.31	0.15	0.0	20.0	0.0	3.4	1.2
17	0.39	12.0	0.4	3.74	0.32	0.16	0.0	20.0	0.0	3.6	1.3
18	0.39	12.2	0.4	3.87	0.33	0.17	0.0	20.0	0.0	3.7	1.3
19	0.39	12.4	0.4	3.99	0.34	0.17	0.0	20.0	0.0	3.8	1.3
20	0.39	12.5	0.4	4.11	0.35	0.18	0.0	20.0	0.0	3.9	1.4
21	0.39	12.7	0.4	4.21	0.36	0.18	0.0	20.0	0.0	4.0	1.4
22	0.39	12.9	0.4	4.3	0.37	0.18	0.0	20.0	0.0	4.1	1.4
23	0.39	13.1	0.4	4.38	0.38	0.19	0.0	20.0	0.0	4.2	1.5
24	0.39	13.3	0.4	4.45	0.38	0.19	0.0	20.0	0.0	4.2	1.5
25	0.39	13.5	0.4	4.51	0.39	0.19	0.0	20.0	0.0	4.3	1.5
26	0.39	13.7	0.4	4.56	0.39	0.2	0.0	20.0	0.0	4.3	1.5
27	0.39	13.9	0.4	4.59	0.39	0.2	0.0	20.0	0.0	4.4	1.5
28	0.39	14.1	0.4	4.62	0.4	0.2	0.0	20.0	0.0	4.4	1.5
29	0.39	14.3	0.4	4.63	0.4	0.2	0.0	20.0	0.0	4.4	1.6

30	0.39	14.5	0.4	4.64	0.4	0.2	0.0	20.0	0.0	4.4	1.6
31	0.39	14.7	0.4	4.63	0.4	0.2	0.0	20.0	0.0	4.4	1.6
32	0.39	14.9	0.4	4.61	0.4	0.2	0.0	20.0	0.0	4.4	1.5
33	0.39	15.1	0.4	4.58	0.39	0.2	0.0	20.0	0.0	4.3	1.5
34	0.39	15.3	0.4	4.54	0.39	0.2	0.0	20.0	0.0	4.3	1.5
35	0.39	15.5	0.4	4.49	0.39	0.19	0.0	20.0	0.0	4.2	1.5
36	0.39	15.7	0.4	4.43	0.38	0.19	0.0	20.0	0.0	4.2	1.5
37	0.39	15.9	0.4	4.36	0.37	0.19	0.0	20.0	0.0	4.1	1.5
38	0.39	16.1	0.4	4.27	0.37	0.18	0.0	20.0	0.0	4.0	1.4
39	0.39	16.3	0.4	4.18	0.36	0.18	0.0	20.0	0.0	3.9	1.4
40	0.39	16.5	0.4	4.07	0.35	0.17	0.0	20.0	0.0	3.8	1.4
41	0.39	16.7	0.4	3.95	0.34	0.17	0.0	20.0	0.0	3.7	1.3
42	0.4	17.0	0.4	3.94	0.34	0.17	0.0	20.0	0.0	3.7	1.3
43	0.38	17.2	0.4	3.43	0.29	0.15	0.0	20.0	0.0	3.2	1.1
44	0.39	17.4	0.4	3.11	0.27	0.13	0.0	20.0	0.0	2.9	1.0
45	0.39	17.6	0.4	2.66	0.23	0.11	0.0	20.0	0.0	2.5	0.9
46	0.39	17.8	0.4	2.21	0.19	0.09	0.0	20.0	0.0	2.1	0.7
47	0.39	18.0	0.4	1.74	0.15	0.07	0.0	20.0	0.0	1.6	0.6
48	0.39	18.2	0.4	1.25	0.11	0.05	0.0	20.0	0.0	1.2	0.4
49	0.39	18.4	0.4	0.76	0.07	0.03	0.0	20.0	0.0	0.7	0.3
50	0.39	18.6	0.4	0.26	0.02	0.01	0.0	20.0	0.0	0.2	0.1

$x_c = 208.464$   $y_c = 164.503$   $R_c = 116.72$   $F_s = 1.084$

Nr.	$B$ $m$	$\text{Alfa}$ $(^\circ)$	$Li$ $m$	$Wi$ $(kN)$	$Kh \cdot Wi$ $(kN)$	$Kv \cdot Wi$ $(kN)$	$c$ $(kN/m^2)$	$Fi$ $(^\circ)$	$Ui$ $(kN)$	$N'i$ $(kN)$	$Ti$ $(kN)$
1	0.66	5.5	0.7	0.71	0.06	0.03	0.0	20.0	0.0	0.7	0.2
2	0.66	5.8	0.7	2.08	0.18	0.09	0.0	20.0	0.0	2.0	0.7
3	0.66	6.2	0.7	3.4	0.29	0.15	0.0	20.0	0.0	3.3	1.1
4	0.66	6.5	0.7	4.68	0.4	0.2	0.0	20.0	0.0	4.5	1.5
5	0.66	6.8	0.7	5.9	0.51	0.25	0.0	20.0	0.0	5.7	1.9
6	0.66	7.1	0.7	7.08	0.61	0.3	0.0	20.0	0.0	6.8	2.3
7	0.66	7.5	0.7	8.21	0.71	0.35	0.0	20.0	0.0	7.9	2.7
8	0.86	7.8	0.9	12.2	1.05	0.52	0.0	20.0	0.0	11.8	4.0
9	0.47	8.2	0.5	7.18	0.62	0.31	0.0	20.0	0.0	6.9	2.3
10	0.66	8.4	0.7	10.29	0.88	0.44	0.0	20.0	0.0	9.9	3.3
11	0.66	8.8	0.7	10.39	0.89	0.45	0.0	20.0	0.0	10.0	3.4
12	0.66	9.1	0.7	10.45	0.9	0.45	0.0	20.0	0.0	10.0	3.4
13	0.66	9.4	0.7	10.45	0.9	0.45	0.0	20.0	0.0	10.0	3.4
14	0.66	9.8	0.7	10.4	0.89	0.45	0.0	20.0	0.0	10.0	3.3
15	0.66	10.1	0.7	10.3	0.89	0.44	0.0	20.0	0.0	9.9	3.3
16	0.66	10.4	0.7	10.15	0.87	0.44	0.0	20.0	0.0	9.7	3.3
17	0.66	10.8	0.7	9.94	0.86	0.43	0.0	20.0	0.0	9.5	3.2
18	0.66	11.1	0.7	9.69	0.83	0.42	0.0	20.0	0.0	9.3	3.1
19	0.66	11.4	0.7	9.39	0.81	0.4	0.0	20.0	0.0	9.0	3.0
20	0.53	11.7	0.5	7.27	0.63	0.31	0.0	20.0	0.0	6.9	2.3
21	0.79	12.0	0.8	10.92	0.94	0.47	0.0	20.0	0.0	10.4	3.5
22	0.66	12.4	0.7	9.44	0.81	0.41	0.0	20.0	0.0	9.0	3.0
23	0.66	12.7	0.7	9.68	0.83	0.42	0.0	20.0	0.0	9.2	3.1
24	0.66	13.1	0.7	9.87	0.85	0.42	0.0	20.0	0.0	9.4	3.2
25	0.66	13.4	0.7	10.01	0.86	0.43	0.0	20.0	0.0	9.5	3.2
26	0.66	13.8	0.7	10.1	0.87	0.43	0.0	20.0	0.0	9.6	3.2
27	0.66	14.1	0.7	10.13	0.87	0.44	0.0	20.0	0.0	9.6	3.2
28	0.66	14.4	0.7	10.1	0.87	0.43	0.0	20.0	0.0	9.6	3.2

29	0.66	14.8	0.7	10.03	0.86	0.43	0.0	20.0	0.0	9.5	3.2
30	0.66	15.1	0.7	9.9	0.85	0.43	0.0	20.0	0.0	9.4	3.2
31	0.66	15.4	0.7	9.71	0.84	0.42	0.0	20.0	0.0	9.2	3.1
32	0.66	15.8	0.7	9.47	0.81	0.41	0.0	20.0	0.0	9.0	3.0
33	0.51	16.1	0.5	7.13	0.61	0.31	0.0	20.0	0.0	6.8	2.3
34	0.81	16.4	0.8	11.1	0.95	0.48	0.0	20.0	0.0	10.5	3.5
35	0.66	16.8	0.7	8.94	0.77	0.38	0.0	20.0	0.0	8.5	2.8
36	0.66	17.1	0.7	8.78	0.76	0.38	0.0	20.0	0.0	8.3	2.8
37	0.66	17.5	0.7	8.57	0.74	0.37	0.0	20.0	0.0	8.1	2.7
38	0.66	17.8	0.7	8.29	0.71	0.36	0.0	20.0	0.0	7.9	2.6
39	0.66	18.1	0.7	7.96	0.68	0.34	0.0	20.0	0.0	7.6	2.5
40	0.66	18.5	0.7	7.58	0.65	0.33	0.0	20.0	0.0	7.2	2.4
41	0.66	18.8	0.7	7.14	0.61	0.31	0.0	20.0	0.0	6.8	2.3
42	0.66	19.2	0.7	6.63	0.57	0.29	0.0	20.0	0.0	6.3	2.1
43	0.66	19.5	0.7	6.08	0.52	0.26	0.0	20.0	0.0	5.8	1.9
44	0.66	19.9	0.7	5.46	0.47	0.23	0.0	20.0	0.0	5.2	1.7
45	0.66	20.2	0.7	4.78	0.41	0.21	0.0	20.0	0.0	4.5	1.5
46	0.66	20.6	0.7	4.05	0.35	0.17	0.0	20.0	0.0	3.8	1.3
47	0.66	20.9	0.7	3.25	0.28	0.14	0.0	20.0	0.0	3.1	1.0
48	0.66	21.3	0.7	2.4	0.21	0.1	0.0	20.0	0.0	2.3	0.8
49	0.66	21.6	0.7	1.49	0.13	0.06	0.0	20.0	0.0	1.4	0.5
50	0.66	22.0	0.7	0.51	0.04	0.02	0.0	20.0	0.0	0.5	0.2

$x_c = 225.906$   $y_c = 159.353$   $R_c = 108.175$   $F_s = 0.939$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.79	4.9	0.8	1.03	0.09	0.04	0.0	20.0	0.0	1.0	0.4
2	0.79	5.3	0.8	3.04	0.26	0.13	0.0	20.0	0.0	2.9	1.1
3	0.79	5.8	0.8	4.94	0.43	0.21	0.0	20.0	0.0	4.8	1.9
4	0.79	6.2	0.8	6.76	0.58	0.29	0.0	20.0	0.0	6.5	2.5
5	0.79	6.6	0.8	8.49	0.73	0.36	0.0	20.0	0.0	8.2	3.2
6	0.79	7.0	0.8	10.12	0.87	0.44	0.0	20.0	0.0	9.7	3.8
7	0.79	7.4	0.8	11.66	1.0	0.5	0.0	20.0	0.0	11.2	4.3
8	0.71	7.8	0.7	11.69	1.01	0.5	0.0	20.0	0.0	11.2	4.3
9	0.88	8.3	0.9	16.13	1.39	0.69	0.0	20.0	0.0	15.4	6.0
10	0.79	8.7	0.8	16.41	1.41	0.71	0.0	20.0	0.0	15.7	6.1
11	0.79	9.1	0.8	18.0	1.55	0.77	0.0	20.0	0.0	17.2	6.7
12	0.79	9.6	0.8	19.5	1.68	0.84	0.0	20.0	0.0	18.6	7.2
13	0.79	10.0	0.8	20.91	1.8	0.9	0.0	20.0	0.0	19.9	7.7
14	0.79	10.4	0.8	22.22	1.91	0.96	0.0	20.0	0.0	21.1	8.2
15	0.79	10.9	0.8	23.44	2.02	1.01	0.0	20.0	0.0	22.2	8.6
16	0.79	11.3	0.8	24.56	2.11	1.06	0.0	20.0	0.0	23.2	9.0
17	0.79	11.7	0.8	25.58	2.2	1.1	0.0	20.0	0.0	24.2	9.4
18	0.79	12.1	0.8	26.51	2.28	1.14	0.0	20.0	0.0	25.0	9.7
19	0.79	12.6	0.8	27.34	2.35	1.18	0.0	20.0	0.0	25.8	10.0
20	0.79	13.0	0.8	28.08	2.41	1.21	0.0	20.0	0.0	26.4	10.2
21	0.79	13.4	0.8	28.71	2.47	1.23	0.0	20.0	0.0	27.0	10.5
22	0.79	13.9	0.8	29.25	2.52	1.26	0.0	20.0	0.0	27.5	10.7
23	0.79	14.3	0.8	29.69	2.55	1.28	0.0	20.0	0.0	27.9	10.8
24	0.79	14.7	0.8	30.02	2.58	1.29	0.0	20.0	0.0	28.2	10.9
25	0.79	15.2	0.8	30.26	2.6	1.3	0.0	20.0	0.0	28.4	11.0
26	0.79	15.6	0.8	30.4	2.61	1.31	0.0	20.0	0.0	28.5	11.0
27	0.79	16.0	0.8	30.43	2.62	1.31	0.0	20.0	0.0	28.5	11.0

28	0.79	16.5	0.8	30.36	2.61	1.31	0.0	20.0	0.0	28.4	11.0
29	0.79	16.9	0.8	30.2	2.6	1.3	0.0	20.0	0.0	28.2	10.9
30	0.79	17.4	0.8	29.92	2.57	1.29	0.0	20.0	0.0	28.0	10.8
31	0.79	17.8	0.8	29.54	2.54	1.27	0.0	20.0	0.0	27.6	10.7
32	0.79	18.2	0.8	29.06	2.5	1.25	0.0	20.0	0.0	27.1	10.5
33	0.79	18.7	0.8	28.47	2.45	1.22	0.0	20.0	0.0	26.6	10.3
34	0.79	19.1	0.8	27.77	2.39	1.19	0.0	20.0	0.0	25.9	10.0
35	0.79	19.6	0.8	26.97	2.32	1.16	0.0	20.0	0.0	25.2	9.7
36	0.79	20.0	0.8	26.06	2.24	1.12	0.0	20.0	0.0	24.3	9.4
37	0.79	20.5	0.8	25.04	2.15	1.08	0.0	20.0	0.0	23.3	9.0
38	0.79	20.9	0.9	23.91	2.06	1.03	0.0	20.0	0.0	22.3	8.6
39	0.79	21.4	0.9	22.66	1.95	0.97	0.0	20.0	0.0	21.1	8.2
40	0.79	21.8	0.9	21.31	1.83	0.92	0.0	20.0	0.0	19.9	7.7
41	0.79	22.3	0.9	19.84	1.71	0.85	0.0	20.0	0.0	18.5	7.2
42	0.79	22.7	0.9	18.25	1.57	0.78	0.0	20.0	0.0	17.0	6.6
43	0.79	23.2	0.9	16.56	1.42	0.71	0.0	20.0	0.0	15.4	6.0
44	0.79	23.7	0.9	14.74	1.27	0.63	0.0	20.0	0.0	13.8	5.3
45	0.79	24.1	0.9	12.81	1.1	0.55	0.0	20.0	0.0	12.0	4.6
46	0.79	24.6	0.9	10.75	0.92	0.46	0.0	20.0	0.0	10.0	3.9
47	0.79	25.0	0.9	8.58	0.74	0.37	0.0	20.0	0.0	8.0	3.1
48	0.79	25.5	0.9	6.28	0.54	0.27	0.0	20.0	0.0	5.9	2.3
49	0.79	26.0	0.9	3.86	0.33	0.17	0.0	20.0	0.0	3.6	1.4
50	0.79	26.4	0.9	1.32	0.11	0.06	0.0	20.0	0.0	1.2	0.5

$x_c = 103.81$   $y_c = 174.802$   $R_c = 156.557$   $F_s = 1.023$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.58	-1.0	1.6	4.62	0.4	0.2	0.0	20.0	0.0	4.6	1.7
2	1.58	-0.4	1.6	13.49	1.16	0.58	0.0	20.0	0.0	13.5	4.8
3	1.58	0.2	1.6	21.86	1.88	0.94	0.0	20.0	0.0	21.8	7.8
4	1.58	0.8	1.6	29.74	2.56	1.28	0.0	20.0	0.0	29.6	10.5
5	1.58	1.4	1.6	37.12	3.19	1.6	0.0	20.0	0.0	36.8	13.1
6	1.58	1.9	1.6	44.01	3.79	1.89	0.0	20.0	0.0	43.5	15.5
7	1.58	2.5	1.6	50.41	4.33	2.17	0.0	20.0	0.0	49.7	17.7
8	1.58	3.1	1.6	56.3	4.84	2.42	0.0	20.0	0.0	55.3	19.7
9	1.58	3.7	1.6	61.7	5.31	2.65	0.0	20.0	0.0	60.5	21.5
10	1.58	4.2	1.6	66.6	5.73	2.86	0.0	20.0	0.0	65.1	23.2
11	1.58	4.8	1.6	71.01	6.11	3.05	0.0	20.0	0.0	69.2	24.6
12	1.58	5.4	1.6	74.91	6.44	3.22	0.0	20.0	0.0	72.8	25.9
13	1.58	6.0	1.6	78.31	6.73	3.37	0.0	20.0	0.0	75.9	27.0
14	1.58	6.6	1.6	81.21	6.98	3.49	0.0	20.0	0.0	78.5	27.9
15	2.04	7.2	2.1	108.21	9.31	4.65	0.0	20.0	0.0	104.4	37.1
16	1.12	7.8	1.1	62.26	5.35	2.68	0.0	20.0	0.0	59.9	21.3
17	1.58	8.3	1.6	93.42	8.03	4.02	0.0	20.0	0.0	89.7	31.9
18	1.58	8.9	1.6	99.7	8.57	4.29	0.0	20.0	0.0	95.6	34.0
19	1.58	9.5	1.6	105.47	9.07	4.54	0.0	20.0	0.0	100.9	35.9
20	1.58	10.1	1.6	110.72	9.52	4.76	0.0	20.0	0.0	105.8	37.6
21	1.58	10.7	1.6	115.46	9.93	4.96	0.0	20.0	0.0	110.1	39.2
22	1.58	11.3	1.6	119.67	10.29	5.15	0.0	20.0	0.0	113.9	40.5
23	1.58	11.9	1.6	123.36	10.61	5.3	0.0	20.0	0.0	117.3	41.7
24	1.58	12.4	1.6	126.52	10.88	5.44	0.0	20.0	0.0	120.1	42.7
25	1.58	13.0	1.6	129.15	11.11	5.55	0.0	20.0	0.0	122.5	43.6
26	1.58	13.6	1.6	131.24	11.29	5.64	0.0	20.0	0.0	124.3	44.2

27	1.58	14.2	1.6	132.8	11.42	5.71	0.0	20.0	0.0	125.7	44.7
28	1.58	14.8	1.6	133.81	11.51	5.75	0.0	20.0	0.0	126.5	45.0
29	1.58	15.4	1.6	134.27	11.55	5.77	0.0	20.0	0.0	126.8	45.1
30	1.58	16.0	1.6	134.18	11.54	5.77	0.0	20.0	0.0	126.7	45.1
31	1.58	16.6	1.7	133.54	11.48	5.74	0.0	20.0	0.0	126.0	44.8
32	1.58	17.2	1.7	132.33	11.38	5.69	0.0	20.0	0.0	124.8	44.4
33	1.58	17.8	1.7	130.55	11.23	5.61	0.0	20.0	0.0	123.1	43.8
34	1.58	18.4	1.7	128.2	11.03	5.51	0.0	20.0	0.0	120.8	43.0
35	1.58	19.1	1.7	125.27	10.77	5.39	0.0	20.0	0.0	118.0	42.0
36	1.58	19.7	1.7	121.76	10.47	5.24	0.0	20.0	0.0	114.7	40.8
37	1.58	20.3	1.7	117.65	10.12	5.06	0.0	20.0	0.0	110.8	39.4
38	1.58	20.9	1.7	112.94	9.71	4.86	0.0	20.0	0.0	106.4	37.9
39	1.58	21.5	1.7	107.62	9.26	4.63	0.0	20.0	0.0	101.5	36.1
40	1.58	22.2	1.7	101.69	8.75	4.37	0.0	20.0	0.0	95.9	34.1
41	1.58	22.8	1.7	95.14	8.18	4.09	0.0	20.0	0.0	89.8	31.9
42	1.58	23.4	1.7	87.95	7.56	3.78	0.0	20.0	0.0	83.0	29.6
43	1.58	24.0	1.7	80.13	6.89	3.45	0.0	20.0	0.0	75.7	26.9
44	1.58	24.7	1.7	71.65	6.16	3.08	0.0	20.0	0.0	67.8	24.1
45	1.58	25.3	1.7	62.52	5.38	2.69	0.0	20.0	0.0	59.2	21.1
46	1.58	26.0	1.8	52.72	4.53	2.27	0.0	20.0	0.0	50.0	17.8
47	1.58	26.6	1.8	42.23	3.63	1.82	0.0	20.0	0.0	40.1	14.3
48	1.58	27.2	1.8	31.05	2.67	1.34	0.0	20.0	0.0	29.5	10.5
49	1.58	27.9	1.8	19.17	1.65	0.82	0.0	20.0	0.0	18.3	6.5
50	1.58	28.6	1.8	6.57	0.57	0.28	0.0	20.0	0.0	6.3	2.2

$$x_c = 138.695 \quad y_c = 174.802 \quad R_c = 144.847 \quad F_s = 0.952$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.87	6.6	0.9	1.24	0.11	0.05	0.0	20.0	0.0	1.2	0.5
2	0.87	7.0	0.9	3.64	0.31	0.16	0.0	20.0	0.0	3.5	1.3
3	0.87	7.3	0.9	5.96	0.51	0.26	0.0	20.0	0.0	5.7	2.2
4	0.87	7.7	0.9	8.18	0.7	0.35	0.0	20.0	0.0	7.9	3.0
5	0.87	8.0	0.9	10.31	0.89	0.44	0.0	20.0	0.0	9.9	3.8
6	0.87	8.4	0.9	12.35	1.06	0.53	0.0	20.0	0.0	11.8	4.5
7	0.87	8.7	0.9	14.29	1.23	0.61	0.0	20.0	0.0	13.7	5.2
8	0.87	9.0	0.9	16.14	1.39	0.69	0.0	20.0	0.0	15.4	5.9
9	0.87	9.4	0.9	17.89	1.54	0.77	0.0	20.0	0.0	17.1	6.5
10	0.87	9.8	0.9	19.56	1.68	0.84	0.0	20.0	0.0	18.6	7.1
11	0.87	10.1	0.9	21.12	1.82	0.91	0.0	20.0	0.0	20.1	7.7
12	0.87	10.5	0.9	22.6	1.94	0.97	0.0	20.0	0.0	21.5	8.2
13	0.87	10.8	0.9	23.97	2.06	1.03	0.0	20.0	0.0	22.7	8.7
14	0.87	11.2	0.9	25.26	2.17	1.09	0.0	20.0	0.0	23.9	9.2
15	0.87	11.5	0.9	26.44	2.27	1.14	0.0	20.0	0.0	25.0	9.6
16	0.87	11.9	0.9	27.54	2.37	1.18	0.0	20.0	0.0	26.0	10.0
17	0.87	12.2	0.9	28.53	2.45	1.23	0.0	20.0	0.0	27.0	10.3
18	0.87	12.6	0.9	29.43	2.53	1.27	0.0	20.0	0.0	27.8	10.6
19	0.87	12.9	0.9	30.23	2.6	1.3	0.0	20.0	0.0	28.5	10.9
20	0.87	13.3	0.9	30.93	2.66	1.33	0.0	20.0	0.0	29.2	11.1
21	0.87	13.6	0.9	31.54	2.71	1.36	0.0	20.0	0.0	29.7	11.4
22	0.87	14.0	0.9	32.05	2.76	1.38	0.0	20.0	0.0	30.2	11.5
23	0.87	14.3	0.9	32.45	2.79	1.4	0.0	20.0	0.0	30.5	11.7
24	0.87	14.7	0.9	32.76	2.82	1.41	0.0	20.0	0.0	30.8	11.8
25	0.87	15.1	0.9	32.97	2.84	1.42	0.0	20.0	0.0	31.0	11.8

26	0.87	15.4	0.9	33.08	2.85	1.42	0.0	20.0	0.0	31.0	11.9
27	0.87	15.8	0.9	33.09	2.85	1.42	0.0	20.0	0.0	31.0	11.9
28	0.87	16.1	0.9	33.0	2.84	1.42	0.0	20.0	0.0	30.9	11.8
29	0.87	16.5	0.9	32.8	2.82	1.41	0.0	20.0	0.0	30.7	11.7
30	0.87	16.9	0.9	32.51	2.8	1.4	0.0	20.0	0.0	30.4	11.6
31	0.87	17.2	0.9	32.11	2.76	1.38	0.0	20.0	0.0	30.1	11.5
32	0.87	17.6	0.9	31.6	2.72	1.36	0.0	20.0	0.0	29.6	11.3
33	0.87	17.9	0.9	31.0	2.67	1.33	0.0	20.0	0.0	29.0	11.1
34	0.87	18.3	0.9	30.28	2.6	1.3	0.0	20.0	0.0	28.3	10.8
35	0.87	18.7	0.9	29.47	2.53	1.27	0.0	20.0	0.0	27.5	10.5
36	0.87	19.0	0.9	28.54	2.45	1.23	0.0	20.0	0.0	26.7	10.2
37	0.87	19.4	0.9	27.51	2.37	1.18	0.0	20.0	0.0	25.7	9.8
38	0.87	19.8	0.9	26.37	2.27	1.13	0.0	20.0	0.0	24.6	9.4
39	0.87	20.1	0.9	25.13	2.16	1.08	0.0	20.0	0.0	23.5	9.0
40	0.87	20.5	0.9	23.77	2.04	1.02	0.0	20.0	0.0	22.2	8.5
41	1.08	20.9	1.2	27.46	2.36	1.18	0.0	20.0	0.0	25.7	9.8
42	0.66	21.3	0.7	15.48	1.33	0.67	0.0	20.0	0.0	14.5	5.5
43	0.87	21.6	0.9	18.65	1.6	0.8	0.0	20.0	0.0	17.4	6.7
44	0.87	22.0	0.9	16.53	1.42	0.71	0.0	20.0	0.0	15.4	5.9
45	0.87	22.4	0.9	14.31	1.23	0.62	0.0	20.0	0.0	13.4	5.1
46	0.87	22.7	0.9	11.97	1.03	0.51	0.0	20.0	0.0	11.2	4.3
47	0.87	23.1	1.0	9.51	0.82	0.41	0.0	20.0	0.0	8.9	3.4
48	0.87	23.5	1.0	6.94	0.6	0.3	0.0	20.0	0.0	6.5	2.5
49	0.87	23.9	1.0	4.25	0.37	0.18	0.0	20.0	0.0	4.0	1.5
50	0.87	24.2	1.0	1.45	0.12	0.06	0.0	20.0	0.0	1.4	0.5

$$xc = 156.137 \quad yc = 169.653 \quad Rc = 136.679 \quad Fs = 0.984$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.11	3.1	1.1	2.75	0.24	0.12	0.0	20.0	0.0	2.7	1.0
2	1.11	3.6	1.1	8.1	0.7	0.35	0.0	20.0	0.0	7.9	2.9
3	1.11	4.1	1.1	13.25	1.14	0.57	0.0	20.0	0.0	12.9	4.8
4	1.11	4.5	1.1	18.2	1.57	0.78	0.0	20.0	0.0	17.7	6.6
5	1.11	5.0	1.1	22.95	1.97	0.99	0.0	20.0	0.0	22.3	8.3
6	1.11	5.5	1.1	27.51	2.37	1.18	0.0	20.0	0.0	26.7	9.9
7	1.11	6.0	1.1	31.86	2.74	1.37	0.0	20.0	0.0	30.8	11.4
8	1.11	6.4	1.1	36.01	3.1	1.55	0.0	20.0	0.0	34.8	12.9
9	1.11	6.9	1.1	39.96	3.44	1.72	0.0	20.0	0.0	38.5	14.2
10	1.11	7.4	1.1	43.71	3.76	1.88	0.0	20.0	0.0	42.1	15.6
11	1.11	7.8	1.1	47.26	4.06	2.03	0.0	20.0	0.0	45.4	16.8
12	1.11	8.3	1.1	50.61	4.35	2.18	0.0	20.0	0.0	48.5	17.9
13	1.11	8.8	1.1	53.75	4.62	2.31	0.0	20.0	0.0	51.4	19.0
14	1.11	9.2	1.1	56.69	4.87	2.44	0.0	20.0	0.0	54.2	20.0
15	1.11	9.7	1.1	59.42	5.11	2.55	0.0	20.0	0.0	56.7	21.0
16	1.11	10.2	1.1	61.94	5.33	2.66	0.0	20.0	0.0	59.0	21.8
17	1.11	10.7	1.1	64.26	5.53	2.76	0.0	20.0	0.0	61.1	22.6
18	1.11	11.1	1.1	66.38	5.71	2.85	0.0	20.0	0.0	63.1	23.3
19	1.11	11.6	1.1	68.28	5.87	2.94	0.0	20.0	0.0	64.8	24.0
20	1.11	12.1	1.1	69.97	6.02	3.01	0.0	20.0	0.0	66.3	24.5
21	1.11	12.6	1.1	71.45	6.14	3.07	0.0	20.0	0.0	67.6	25.0
22	1.11	13.0	1.1	72.72	6.25	3.13	0.0	20.0	0.0	68.8	25.4
23	1.11	13.5	1.1	73.78	6.35	3.17	0.0	20.0	0.0	69.7	25.8
24	1.11	14.0	1.1	74.62	6.42	3.21	0.0	20.0	0.0	70.4	26.0

25	1.19	14.5	1.2	80.27	6.9	3.45	0.0	20.0	0.0	75.7	28.0
26	1.04	15.0	1.1	70.41	6.06	3.03	0.0	20.0	0.0	66.3	24.5
27	1.11	15.5	1.2	75.12	6.46	3.23	0.0	20.0	0.0	70.7	26.2
28	1.11	15.9	1.2	74.59	6.41	3.21	0.0	20.0	0.0	70.2	25.9
29	1.11	16.4	1.2	73.83	6.35	3.17	0.0	20.0	0.0	69.4	25.7
30	1.11	16.9	1.2	72.85	6.26	3.13	0.0	20.0	0.0	68.4	25.3
31	1.11	17.4	1.2	71.64	6.16	3.08	0.0	20.0	0.0	67.3	24.9
32	1.11	17.9	1.2	70.21	6.04	3.02	0.0	20.0	0.0	65.9	24.4
33	1.11	18.4	1.2	68.55	5.89	2.95	0.0	20.0	0.0	64.3	23.8
34	1.11	18.9	1.2	66.65	5.73	2.87	0.0	20.0	0.0	62.5	23.1
35	1.11	19.4	1.2	64.53	5.55	2.77	0.0	20.0	0.0	60.5	22.4
36	1.11	19.9	1.2	62.17	5.35	2.67	0.0	20.0	0.0	58.3	21.6
37	1.11	20.4	1.2	59.57	5.12	2.56	0.0	20.0	0.0	55.9	20.7
38	1.11	20.9	1.2	56.73	4.88	2.44	0.0	20.0	0.0	53.2	19.7
39	1.11	21.4	1.2	53.65	4.61	2.31	0.0	20.0	0.0	50.3	18.6
40	1.11	21.9	1.2	50.33	4.33	2.16	0.0	20.0	0.0	47.2	17.5
41	1.11	22.4	1.2	46.76	4.02	2.01	0.0	20.0	0.0	43.9	16.2
42	1.11	22.9	1.2	42.94	3.69	1.85	0.0	20.0	0.0	40.3	14.9
43	1.11	23.4	1.2	38.87	3.34	1.67	0.0	20.0	0.0	36.5	13.5
44	1.11	23.9	1.2	34.55	2.97	1.49	0.0	20.0	0.0	32.5	12.0
45	1.11	24.4	1.2	29.96	2.58	1.29	0.0	20.0	0.0	28.2	10.4
46	1.11	24.9	1.2	25.12	2.16	1.08	0.0	20.0	0.0	23.6	8.7
47	1.11	25.4	1.2	20.01	1.72	0.86	0.0	20.0	0.0	18.8	7.0
48	1.11	25.9	1.2	14.64	1.26	0.63	0.0	20.0	0.0	13.8	5.1
49	1.11	26.5	1.2	8.99	0.77	0.39	0.0	20.0	0.0	8.5	3.1
50	1.11	27.0	1.2	3.06	0.26	0.13	0.0	20.0	0.0	2.9	1.1

$$x_c = 173.579 \quad y_c = 174.802 \quad R_c = 138.602 \quad F_s = 1.04$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.3	0.4	1.3	4.54	0.39	0.2	0.0	20.0	0.0	4.5	1.6
2	1.3	1.0	1.3	13.4	1.15	0.58	0.0	20.0	0.0	13.3	4.7
3	1.3	1.5	1.3	21.95	1.89	0.94	0.0	20.0	0.0	21.8	7.6
4	1.3	2.1	1.3	30.18	2.6	1.3	0.0	20.0	0.0	29.8	10.4
5	1.3	2.6	1.3	38.1	3.28	1.64	0.0	20.0	0.0	37.5	13.1
6	1.3	3.1	1.3	45.72	3.93	1.97	0.0	20.0	0.0	44.9	15.7
7	1.3	3.7	1.3	53.02	4.56	2.28	0.0	20.0	0.0	52.0	18.2
8	1.3	4.2	1.3	60.0	5.16	2.58	0.0	20.0	0.0	58.7	20.5
9	1.3	4.7	1.3	66.68	5.73	2.87	0.0	20.0	0.0	65.0	22.8
10	1.3	5.3	1.3	73.04	6.28	3.14	0.0	20.0	0.0	71.0	24.9
11	1.3	5.8	1.3	79.08	6.8	3.4	0.0	20.0	0.0	76.8	26.9
12	1.3	6.4	1.3	84.81	7.29	3.65	0.0	20.0	0.0	82.1	28.8
13	1.37	6.9	1.4	95.22	8.19	4.09	0.0	20.0	0.0	92.0	32.2
14	1.23	7.5	1.2	90.02	7.74	3.87	0.0	20.0	0.0	86.8	30.4
15	1.3	8.0	1.3	99.1	8.52	4.26	0.0	20.0	0.0	95.4	33.4
16	1.3	8.5	1.3	102.87	8.85	4.42	0.0	20.0	0.0	98.8	34.6
17	1.3	9.1	1.3	106.31	9.14	4.57	0.0	20.0	0.0	102.0	35.7
18	1.3	9.6	1.3	109.43	9.41	4.71	0.0	20.0	0.0	104.8	36.7
19	1.3	10.2	1.3	112.23	9.65	4.83	0.0	20.0	0.0	107.3	37.6
20	1.3	10.7	1.3	114.7	9.86	4.93	0.0	20.0	0.0	109.5	38.3
21	1.3	11.3	1.3	116.85	10.05	5.02	0.0	20.0	0.0	111.4	39.0
22	1.3	11.8	1.3	118.67	10.21	5.1	0.0	20.0	0.0	113.0	39.5
23	1.3	12.4	1.3	120.15	10.33	5.17	0.0	20.0	0.0	114.2	40.0



24	1.3	12.9	1.3	121.3	10.43	5.22	0.0	20.0	0.0	115.2	40.3
25	1.3	13.5	1.3	122.12	10.5	5.25	0.0	20.0	0.0	115.9	40.6
26	1.3	14.0	1.3	122.6	10.54	5.27	0.0	20.0	0.0	116.2	40.7
27	1.3	14.6	1.3	122.73	10.56	5.28	0.0	20.0	0.0	116.2	40.7
28	1.3	15.1	1.3	122.53	10.54	5.27	0.0	20.0	0.0	116.0	40.6
29	1.3	15.7	1.4	121.98	10.49	5.25	0.0	20.0	0.0	115.4	40.4
30	1.3	16.2	1.4	121.08	10.41	5.21	0.0	20.0	0.0	114.4	40.1
31	1.3	16.8	1.4	119.83	10.31	5.15	0.0	20.0	0.0	113.2	39.6
32	1.3	17.4	1.4	118.23	10.17	5.08	0.0	20.0	0.0	111.7	39.1
33	1.3	17.9	1.4	116.27	10.0	5.0	0.0	20.0	0.0	109.8	38.4
34	1.3	18.5	1.4	113.95	9.8	4.9	0.0	20.0	0.0	107.6	37.7
35	1.3	19.1	1.4	111.26	9.57	4.78	0.0	20.0	0.0	105.0	36.8
36	1.3	19.6	1.4	108.21	9.31	4.65	0.0	20.0	0.0	102.1	35.8
37	1.3	20.2	1.4	104.79	9.01	4.51	0.0	20.0	0.0	98.9	34.6
38	1.3	20.8	1.4	100.99	8.68	4.34	0.0	20.0	0.0	95.3	33.4
39	1.42	21.4	1.5	105.66	9.09	4.54	0.0	20.0	0.0	99.8	34.9
40	1.18	22.0	1.3	82.1	7.06	3.53	0.0	20.0	0.0	77.6	27.2
41	1.3	22.5	1.4	82.84	7.12	3.56	0.0	20.0	0.0	78.3	27.4
42	1.3	23.1	1.4	74.33	6.39	3.2	0.0	20.0	0.0	70.3	24.6
43	1.3	23.7	1.4	65.43	5.63	2.81	0.0	20.0	0.0	61.9	21.7
44	1.3	24.3	1.4	56.11	4.83	2.41	0.0	20.0	0.0	53.2	18.6
45	1.25	24.8	1.4	44.69	3.84	1.92	0.0	20.0	0.0	42.4	14.8
46	1.35	25.4	1.5	39.53	3.4	1.7	0.0	20.0	0.0	37.5	13.1
47	1.3	26.0	1.4	30.18	2.6	1.3	0.0	20.0	0.0	28.7	10.0
48	1.3	26.6	1.5	22.11	1.9	0.95	0.0	20.0	0.0	21.0	7.4
49	1.3	27.2	1.5	13.6	1.17	0.58	0.0	20.0	0.0	13.0	4.5
50	1.3	27.9	1.5	4.64	0.4	0.2	0.0	20.0	0.0	4.4	1.6

$$x_c = 191.021 \quad y_c = 169.653 \quad R_c = 125.265 \quad F_s = 1.057$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.4	8.6	0.4	0.17	0.01	0.01	0.0	20.0	0.0	0.2	0.1
2	0.4	8.8	0.4	0.51	0.04	0.02	0.0	20.0	0.0	0.5	0.2
3	0.4	9.0	0.4	0.83	0.07	0.04	0.0	20.0	0.0	0.8	0.3
4	0.4	9.2	0.4	1.14	0.1	0.05	0.0	20.0	0.0	1.1	0.4
5	0.4	9.4	0.4	1.45	0.12	0.06	0.0	20.0	0.0	1.4	0.5
6	0.4	9.6	0.4	1.74	0.15	0.07	0.0	20.0	0.0	1.7	0.6
7	0.4	9.7	0.4	2.02	0.17	0.09	0.0	20.0	0.0	1.9	0.7
8	0.4	9.9	0.4	2.29	0.2	0.1	0.0	20.0	0.0	2.2	0.8
9	0.4	10.1	0.4	2.55	0.22	0.11	0.0	20.0	0.0	2.4	0.8
10	0.4	10.3	0.4	2.8	0.24	0.12	0.0	20.0	0.0	2.7	0.9
11	0.4	10.5	0.4	3.04	0.26	0.13	0.0	20.0	0.0	2.9	1.0
12	0.4	10.7	0.4	3.27	0.28	0.14	0.0	20.0	0.0	3.1	1.1
13	0.4	10.9	0.4	3.49	0.3	0.15	0.0	20.0	0.0	3.3	1.1
14	0.4	11.0	0.4	3.7	0.32	0.16	0.0	20.0	0.0	3.5	1.2
15	0.4	11.2	0.4	3.89	0.33	0.17	0.0	20.0	0.0	3.7	1.3
16	0.4	11.4	0.4	4.08	0.35	0.18	0.0	20.0	0.0	3.9	1.3
17	0.4	11.6	0.4	4.26	0.37	0.18	0.0	20.0	0.0	4.1	1.4
18	0.4	11.8	0.4	4.42	0.38	0.19	0.0	20.0	0.0	4.2	1.5
19	0.4	12.0	0.4	4.57	0.39	0.2	0.0	20.0	0.0	4.4	1.5
20	0.4	12.2	0.4	4.71	0.41	0.2	0.0	20.0	0.0	4.5	1.5
21	0.4	12.4	0.4	4.85	0.42	0.21	0.0	20.0	0.0	4.6	1.6
22	0.4	12.6	0.4	4.97	0.43	0.21	0.0	20.0	0.0	4.7	1.6

23	0.4	12.7	0.4	5.08	0.44	0.22	0.0	20.0	0.0	4.8	1.7
24	0.4	12.9	0.4	5.17	0.44	0.22	0.0	20.0	0.0	4.9	1.7
25	0.4	13.1	0.4	5.26	0.45	0.23	0.0	20.0	0.0	5.0	1.7
26	0.4	13.3	0.4	5.34	0.46	0.23	0.0	20.0	0.0	5.1	1.7
27	0.4	13.5	0.4	5.4	0.46	0.23	0.0	20.0	0.0	5.1	1.8
28	0.4	13.7	0.4	5.46	0.47	0.23	0.0	20.0	0.0	5.2	1.8
29	0.4	13.9	0.4	5.5	0.47	0.24	0.0	20.0	0.0	5.2	1.8
30	0.4	14.1	0.4	5.53	0.48	0.24	0.0	20.0	0.0	5.3	1.8
31	0.4	14.3	0.4	5.55	0.48	0.24	0.0	20.0	0.0	5.3	1.8
32	0.4	14.4	0.4	5.56	0.48	0.24	0.0	20.0	0.0	5.3	1.8
33	0.4	14.6	0.4	5.56	0.48	0.24	0.0	20.0	0.0	5.3	1.8
34	0.4	14.8	0.4	5.55	0.48	0.24	0.0	20.0	0.0	5.3	1.8
35	0.4	15.0	0.4	5.53	0.48	0.24	0.0	20.0	0.0	5.2	1.8
36	0.4	15.2	0.4	5.49	0.47	0.24	0.0	20.0	0.0	5.2	1.8
37	0.4	15.4	0.4	5.44	0.47	0.23	0.0	20.0	0.0	5.2	1.8
38	0.33	15.6	0.3	4.42	0.38	0.19	0.0	20.0	0.0	4.2	1.4
39	0.47	15.8	0.5	6.07	0.52	0.26	0.0	20.0	0.0	5.8	2.0
40	0.4	16.0	0.4	4.73	0.41	0.2	0.0	20.0	0.0	4.5	1.5
41	0.4	16.2	0.4	4.33	0.37	0.19	0.0	20.0	0.0	4.1	1.4
42	0.4	16.4	0.4	3.92	0.34	0.17	0.0	20.0	0.0	3.7	1.3
43	0.4	16.5	0.4	3.51	0.3	0.15	0.0	20.0	0.0	3.3	1.1
44	0.4	16.7	0.4	3.08	0.26	0.13	0.0	20.0	0.0	2.9	1.0
45	0.4	16.9	0.4	2.64	0.23	0.11	0.0	20.0	0.0	2.5	0.9
46	0.4	17.1	0.4	2.18	0.19	0.09	0.0	20.0	0.0	2.1	0.7
47	0.4	17.3	0.4	1.72	0.15	0.07	0.0	20.0	0.0	1.6	0.6
48	0.4	17.5	0.4	1.24	0.11	0.05	0.0	20.0	0.0	1.2	0.4
49	0.4	17.7	0.4	0.75	0.06	0.03	0.0	20.0	0.0	0.7	0.2
50	0.4	17.9	0.4	0.25	0.02	0.01	0.0	20.0	0.0	0.2	0.1

$x_c = 208.464$   $y_c = 174.802$   $R_c = 126.784$   $F_s = 1.044$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.73	5.6	0.7	0.85	0.07	0.04	0.0	20.0	0.0	0.8	0.3
2	0.73	5.9	0.7	2.51	0.22	0.11	0.0	20.0	0.0	2.4	0.9
3	0.73	6.3	0.7	4.11	0.35	0.18	0.0	20.0	0.0	4.0	1.4
4	0.73	6.6	0.7	5.65	0.49	0.24	0.0	20.0	0.0	5.5	1.9
5	0.73	6.9	0.7	7.13	0.61	0.31	0.0	20.0	0.0	6.9	2.4
6	0.67	7.3	0.7	7.81	0.67	0.34	0.0	20.0	0.0	7.5	2.6
7	0.79	7.6	0.8	10.03	0.86	0.43	0.0	20.0	0.0	9.7	3.4
8	0.73	7.9	0.7	9.59	0.82	0.41	0.0	20.0	0.0	9.2	3.2
9	0.73	8.3	0.7	9.81	0.84	0.42	0.0	20.0	0.0	9.4	3.3
10	0.73	8.6	0.7	9.97	0.86	0.43	0.0	20.0	0.0	9.6	3.3
11	0.73	8.9	0.7	10.07	0.87	0.43	0.0	20.0	0.0	9.7	3.4
12	0.73	9.3	0.7	10.1	0.87	0.43	0.0	20.0	0.0	9.7	3.4
13	0.73	9.6	0.7	10.07	0.87	0.43	0.0	20.0	0.0	9.6	3.4
14	0.73	9.9	0.7	9.98	0.86	0.43	0.0	20.0	0.0	9.5	3.3
15	0.73	10.3	0.7	9.82	0.84	0.42	0.0	20.0	0.0	9.4	3.3
16	0.97	10.7	1.0	12.69	1.09	0.55	0.0	20.0	0.0	12.1	4.2
17	0.49	11.0	0.5	6.43	0.55	0.28	0.0	20.0	0.0	6.1	2.1
18	0.73	11.3	0.7	10.05	0.86	0.43	0.0	20.0	0.0	9.6	3.3
19	0.73	11.6	0.7	10.56	0.91	0.45	0.0	20.0	0.0	10.1	3.5
20	0.73	12.0	0.7	11.01	0.95	0.47	0.0	20.0	0.0	10.5	3.7
21	0.73	12.3	0.7	11.39	0.98	0.49	0.0	20.0	0.0	10.8	3.8

22	0.73	12.6	0.8	11.71	1.01	0.5	0.0	20.0	0.0	11.1	3.9
23	0.73	13.0	0.8	11.96	1.03	0.51	0.0	20.0	0.0	11.4	4.0
24	0.73	13.3	0.8	12.14	1.04	0.52	0.0	20.0	0.0	11.5	4.0
25	0.73	13.7	0.8	12.26	1.05	0.53	0.0	20.0	0.0	11.6	4.1
26	0.73	14.0	0.8	12.32	1.06	0.53	0.0	20.0	0.0	11.7	4.1
27	0.73	14.4	0.8	12.3	1.06	0.53	0.0	20.0	0.0	11.7	4.1
28	0.78	14.7	0.8	12.93	1.11	0.56	0.0	20.0	0.0	12.3	4.3
29	0.69	15.0	0.7	11.53	0.99	0.5	0.0	20.0	0.0	10.9	3.8
30	0.73	15.4	0.8	12.39	1.07	0.53	0.0	20.0	0.0	11.7	4.1
31	0.73	15.7	0.8	12.47	1.07	0.54	0.0	20.0	0.0	11.8	4.1
32	0.73	16.1	0.8	12.49	1.07	0.54	0.0	20.0	0.0	11.8	4.1
33	0.73	16.4	0.8	12.44	1.07	0.53	0.0	20.0	0.0	11.8	4.1
34	0.73	16.8	0.8	12.32	1.06	0.53	0.0	20.0	0.0	11.6	4.1
35	0.73	17.1	0.8	12.13	1.04	0.52	0.0	20.0	0.0	11.5	4.0
36	0.73	17.4	0.8	11.87	1.02	0.51	0.0	20.0	0.0	11.2	3.9
37	0.73	17.8	0.8	11.54	0.99	0.5	0.0	20.0	0.0	10.9	3.8
38	0.73	18.1	0.8	11.14	0.96	0.48	0.0	20.0	0.0	10.5	3.7
39	0.73	18.5	0.8	10.66	0.92	0.46	0.0	20.0	0.0	10.1	3.5
40	0.73	18.8	0.8	10.12	0.87	0.44	0.0	20.0	0.0	9.6	3.3
41	0.73	19.2	0.8	9.51	0.82	0.41	0.0	20.0	0.0	9.0	3.1
42	0.73	19.5	0.8	8.82	0.76	0.38	0.0	20.0	0.0	8.3	2.9
43	0.73	19.9	0.8	8.06	0.69	0.35	0.0	20.0	0.0	7.6	2.7
44	0.73	20.2	0.8	7.23	0.62	0.31	0.0	20.0	0.0	6.8	2.4
45	0.73	20.6	0.8	6.32	0.54	0.27	0.0	20.0	0.0	6.0	2.1
46	0.73	21.0	0.8	5.34	0.46	0.23	0.0	20.0	0.0	5.0	1.8
47	0.73	21.3	0.8	4.29	0.37	0.18	0.0	20.0	0.0	4.1	1.4
48	0.73	21.7	0.8	3.16	0.27	0.14	0.0	20.0	0.0	3.0	1.0
49	0.73	22.0	0.8	1.95	0.17	0.08	0.0	20.0	0.0	1.8	0.6
50	0.73	22.4	0.8	0.67	0.06	0.03	0.0	20.0	0.0	0.6	0.2

$$x_c = 225.906 \quad y_c = 169.653 \quad R_c = 118.239 \quad F_s = 0.937$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.86	5.1	0.9	1.19	0.1	0.05	0.0	20.0	0.0	1.2	0.4
2	0.86	5.5	0.9	3.49	0.3	0.15	0.0	20.0	0.0	3.4	1.3
3	0.86	5.9	0.9	5.68	0.49	0.24	0.0	20.0	0.0	5.5	2.1
4	0.86	6.3	0.9	7.77	0.67	0.33	0.0	20.0	0.0	7.5	2.9
5	0.86	6.8	0.9	9.74	0.84	0.42	0.0	20.0	0.0	9.4	3.6
6	0.78	7.2	0.8	10.49	0.9	0.45	0.0	20.0	0.0	10.1	3.9
7	0.94	7.6	0.9	14.8	1.27	0.64	0.0	20.0	0.0	14.2	5.5
8	0.86	8.0	0.9	15.83	1.36	0.68	0.0	20.0	0.0	15.2	5.9
9	0.86	8.4	0.9	17.89	1.54	0.77	0.0	20.0	0.0	17.1	6.6
10	0.86	8.9	0.9	19.83	1.71	0.85	0.0	20.0	0.0	18.9	7.4
11	0.86	9.3	0.9	21.66	1.86	0.93	0.0	20.0	0.0	20.6	8.0
12	0.86	9.7	0.9	23.39	2.01	1.01	0.0	20.0	0.0	22.2	8.6
13	0.86	10.1	0.9	25.0	2.15	1.07	0.0	20.0	0.0	23.7	9.2
14	0.86	10.5	0.9	26.5	2.28	1.14	0.0	20.0	0.0	25.1	9.8
15	0.86	11.0	0.9	27.9	2.4	1.2	0.0	20.0	0.0	26.4	10.3
16	0.86	11.4	0.9	29.18	2.51	1.25	0.0	20.0	0.0	27.6	10.7
17	0.86	11.8	0.9	30.35	2.61	1.3	0.0	20.0	0.0	28.7	11.1
18	0.86	12.2	0.9	31.41	2.7	1.35	0.0	20.0	0.0	29.6	11.5
19	0.86	12.7	0.9	32.35	2.78	1.39	0.0	20.0	0.0	30.5	11.8
20	0.86	13.1	0.9	33.18	2.85	1.43	0.0	20.0	0.0	31.2	12.1

21	0.86	13.5	0.9	33.9	2.92	1.46	0.0	20.0	0.0	31.9	12.4
22	0.86	14.0	0.9	34.5	2.97	1.48	0.0	20.0	0.0	32.4	12.6
23	0.86	14.4	0.9	34.99	3.01	1.5	0.0	20.0	0.0	32.9	12.8
24	0.86	14.8	0.9	35.36	3.04	1.52	0.0	20.0	0.0	33.2	12.9
25	0.86	15.2	0.9	35.62	3.06	1.53	0.0	20.0	0.0	33.4	13.0
26	0.86	15.7	0.9	35.76	3.08	1.54	0.0	20.0	0.0	33.5	13.0
27	0.86	16.1	0.9	35.78	3.08	1.54	0.0	20.0	0.0	33.5	13.0
28	0.86	16.5	0.9	35.68	3.07	1.53	0.0	20.0	0.0	33.4	13.0
29	0.86	17.0	0.9	35.46	3.05	1.52	0.0	20.0	0.0	33.1	12.9
30	0.86	17.4	0.9	35.13	3.02	1.51	0.0	20.0	0.0	32.8	12.8
31	0.86	17.9	0.9	34.67	2.98	1.49	0.0	20.0	0.0	32.4	12.6
32	0.86	18.3	0.9	34.09	2.93	1.47	0.0	20.0	0.0	31.8	12.4
33	0.86	18.7	0.9	33.38	2.87	1.44	0.0	20.0	0.0	31.1	12.1
34	0.86	19.2	0.9	32.56	2.8	1.4	0.0	20.0	0.0	30.4	11.8
35	0.86	19.6	0.9	31.6	2.72	1.36	0.0	20.0	0.0	29.5	11.5
36	0.86	20.1	0.9	30.53	2.63	1.31	0.0	20.0	0.0	28.5	11.1
37	0.86	20.5	0.9	29.32	2.52	1.26	0.0	20.0	0.0	27.3	10.6
38	0.86	20.9	0.9	27.99	2.41	1.2	0.0	20.0	0.0	26.1	10.1
39	0.86	21.4	0.9	26.52	2.28	1.14	0.0	20.0	0.0	24.7	9.6
40	0.86	21.8	0.9	24.93	2.14	1.07	0.0	20.0	0.0	23.2	9.0
41	0.86	22.3	0.9	23.21	2.0	1.0	0.0	20.0	0.0	21.6	8.4
42	0.86	22.7	0.9	21.35	1.84	0.92	0.0	20.0	0.0	19.9	7.7
43	0.86	23.2	0.9	19.36	1.66	0.83	0.0	20.0	0.0	18.1	7.0
44	0.86	23.6	0.9	17.23	1.48	0.74	0.0	20.0	0.0	16.1	6.2
45	0.86	24.1	0.9	14.97	1.29	0.64	0.0	20.0	0.0	14.0	5.4
46	0.86	24.6	0.9	12.57	1.08	0.54	0.0	20.0	0.0	11.7	4.6
47	0.86	25.0	0.9	10.02	0.86	0.43	0.0	20.0	0.0	9.4	3.6
48	0.86	25.5	1.0	7.34	0.63	0.32	0.0	20.0	0.0	6.9	2.7
49	0.86	25.9	1.0	4.51	0.39	0.19	0.0	20.0	0.0	4.2	1.6
50	0.86	26.4	1.0	1.54	0.13	0.07	0.0	20.0	0.0	1.4	0.6

$$x_c = 103.81 \quad y_c = 185.101 \quad R_c = 166.775 \quad F_s = 1.013$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.67	-0.7	1.7	5.07	0.44	0.22	0.0	20.0	0.0	5.1	1.8
2	1.67	-0.2	1.7	14.8	1.27	0.64	0.0	20.0	0.0	14.8	5.3
3	1.67	0.4	1.7	23.98	2.06	1.03	0.0	20.0	0.0	23.9	8.6
4	1.67	1.0	1.7	32.61	2.8	1.4	0.0	20.0	0.0	32.4	11.6
5	1.67	1.6	1.7	40.68	3.5	1.75	0.0	20.0	0.0	40.3	14.5
6	1.67	2.1	1.7	48.21	4.15	2.07	0.0	20.0	0.0	47.6	17.1
7	1.67	2.7	1.7	55.18	4.75	2.37	0.0	20.0	0.0	54.3	19.5
8	1.67	3.3	1.7	61.6	5.3	2.65	0.0	20.0	0.0	60.5	21.7
9	1.67	3.9	1.7	67.46	5.8	2.9	0.0	20.0	0.0	66.0	23.7
10	1.67	4.4	1.7	72.78	6.26	3.13	0.0	20.0	0.0	71.0	25.5
11	1.67	5.0	1.7	77.53	6.67	3.33	0.0	20.0	0.0	75.5	27.1
12	1.67	5.6	1.7	81.73	7.03	3.51	0.0	20.0	0.0	79.3	28.5
13	1.67	6.2	1.7	85.37	7.34	3.67	0.0	20.0	0.0	82.7	29.7
14	2.0	6.8	2.0	106.07	9.12	4.56	0.0	20.0	0.0	102.4	36.8
15	1.35	7.4	1.4	75.31	6.48	3.24	0.0	20.0	0.0	72.6	26.1
16	1.67	7.9	1.7	100.83	8.67	4.34	0.0	20.0	0.0	97.0	34.8
17	1.67	8.5	1.7	108.28	9.31	4.66	0.0	20.0	0.0	103.9	37.3
18	1.67	9.1	1.7	115.16	9.9	4.95	0.0	20.0	0.0	110.3	39.6
19	1.67	9.6	1.7	121.47	10.45	5.22	0.0	20.0	0.0	116.1	41.7

20	1.67	10.2	1.7	127.21	10.94	5.47	0.0	20.0	0.0	121.4	43.6
21	1.67	10.8	1.7	132.37	11.38	5.69	0.0	20.0	0.0	126.1	45.3
22	1.67	11.4	1.7	136.94	11.78	5.89	0.0	20.0	0.0	130.3	46.8
23	1.67	12.0	1.7	140.93	12.12	6.06	0.0	20.0	0.0	133.9	48.1
24	1.67	12.6	1.7	144.34	12.41	6.21	0.0	20.0	0.0	136.9	49.2
25	1.67	13.2	1.7	147.14	12.65	6.33	0.0	20.0	0.0	139.4	50.1
26	1.67	13.8	1.7	149.36	12.84	6.42	0.0	20.0	0.0	141.3	50.8
27	1.67	14.4	1.7	150.97	12.98	6.49	0.0	20.0	0.0	142.7	51.3
28	1.67	14.9	1.7	151.97	13.07	6.53	0.0	20.0	0.0	143.5	51.6
29	1.67	15.5	1.7	152.37	13.1	6.55	0.0	20.0	0.0	143.8	51.6
30	1.67	16.1	1.7	152.15	13.08	6.54	0.0	20.0	0.0	143.5	51.5
31	1.67	16.7	1.7	151.3	13.01	6.51	0.0	20.0	0.0	142.6	51.2
32	1.67	17.3	1.8	149.84	12.89	6.44	0.0	20.0	0.0	141.1	50.7
33	1.67	17.9	1.8	147.73	12.7	6.35	0.0	20.0	0.0	139.1	50.0
34	1.67	18.6	1.8	144.99	12.47	6.23	0.0	20.0	0.0	136.5	49.0
35	1.67	19.2	1.8	141.6	12.18	6.09	0.0	20.0	0.0	133.3	47.9
36	1.67	19.8	1.8	137.55	11.83	5.91	0.0	20.0	0.0	129.5	46.5
37	1.67	20.4	1.8	132.85	11.42	5.71	0.0	20.0	0.0	125.0	44.9
38	1.67	21.0	1.8	127.48	10.96	5.48	0.0	20.0	0.0	120.0	43.1
39	1.67	21.6	1.8	121.42	10.44	5.22	0.0	20.0	0.0	114.3	41.1
40	1.67	22.2	1.8	114.69	9.86	4.93	0.0	20.0	0.0	108.0	38.8
41	1.67	22.9	1.8	107.26	9.22	4.61	0.0	20.0	0.0	101.1	36.3
42	1.67	23.5	1.8	99.12	8.52	4.26	0.0	20.0	0.0	93.5	33.6
43	1.67	24.1	1.8	90.27	7.76	3.88	0.0	20.0	0.0	85.2	30.6
44	1.67	24.7	1.8	80.7	6.94	3.47	0.0	20.0	0.0	76.2	27.4
45	1.67	25.4	1.9	70.39	6.05	3.03	0.0	20.0	0.0	66.6	23.9
46	1.67	26.0	1.9	59.34	5.1	2.55	0.0	20.0	0.0	56.2	20.2
47	1.67	26.7	1.9	47.52	4.09	2.04	0.0	20.0	0.0	45.0	16.2
48	1.67	27.3	1.9	34.93	3.0	1.5	0.0	20.0	0.0	33.2	11.9
49	1.67	27.9	1.9	21.56	1.85	0.93	0.0	20.0	0.0	20.5	7.4
50	1.67	28.6	1.9	7.39	0.64	0.32	0.0	20.0	0.0	7.0	2.5

$$x_c = 121.252 \quad y_c = 179.952 \quad R_c = 156.293 \quad F_s = 0.956$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.29	3.5	1.3	3.6	0.31	0.15	0.0	20.0	0.0	3.5	1.3
2	1.29	3.9	1.3	10.59	0.91	0.46	0.0	20.0	0.0	10.3	3.9
3	1.29	4.4	1.3	17.31	1.49	0.74	0.0	20.0	0.0	16.9	6.4
4	1.29	4.9	1.3	23.77	2.04	1.02	0.0	20.0	0.0	23.1	8.8
5	1.29	5.4	1.3	29.95	2.58	1.29	0.0	20.0	0.0	29.0	11.1
6	1.29	5.8	1.3	35.86	3.08	1.54	0.0	20.0	0.0	34.7	13.2
7	1.29	6.3	1.3	41.5	3.57	1.78	0.0	20.0	0.0	40.1	15.3
8	1.29	6.8	1.3	46.87	4.03	2.02	0.0	20.0	0.0	45.2	17.2
9	1.29	7.3	1.3	51.96	4.47	2.23	0.0	20.0	0.0	50.0	19.0
10	1.29	7.7	1.3	56.78	4.88	2.44	0.0	20.0	0.0	54.5	20.7
11	1.29	8.2	1.3	61.32	5.27	2.64	0.0	20.0	0.0	58.7	22.4
12	1.29	8.7	1.3	65.59	5.64	2.82	0.0	20.0	0.0	62.7	23.9
13	1.29	9.2	1.3	69.58	5.98	2.99	0.0	20.0	0.0	66.4	25.3
14	1.29	9.6	1.3	73.29	6.3	3.15	0.0	20.0	0.0	69.8	26.6
15	1.29	10.1	1.3	76.72	6.6	3.3	0.0	20.0	0.0	73.0	27.8
16	1.29	10.6	1.3	79.88	6.87	3.43	0.0	20.0	0.0	75.9	28.9
17	1.29	11.1	1.3	82.74	7.12	3.56	0.0	20.0	0.0	78.5	29.9
18	1.29	11.6	1.3	85.33	7.34	3.67	0.0	20.0	0.0	80.8	30.8

19	1.29	12.0	1.3	87.63	7.54	3.77	0.0	20.0	0.0	82.9	31.6
20	1.29	12.5	1.3	89.65	7.71	3.85	0.0	20.0	0.0	84.7	32.2
21	1.29	13.0	1.3	91.37	7.86	3.93	0.0	20.0	0.0	86.2	32.8
22	1.29	13.5	1.3	92.81	7.98	3.99	0.0	20.0	0.0	87.5	33.3
23	1.29	14.0	1.3	93.96	8.08	4.04	0.0	20.0	0.0	88.4	33.7
24	1.29	14.5	1.3	94.81	8.15	4.08	0.0	20.0	0.0	89.2	33.9
25	1.29	15.0	1.3	95.37	8.2	4.1	0.0	20.0	0.0	89.6	34.1
26	1.29	15.4	1.3	95.63	8.22	4.11	0.0	20.0	0.0	89.8	34.2
27	1.29	15.9	1.3	95.6	8.22	4.11	0.0	20.0	0.0	89.7	34.1
28	1.29	16.4	1.3	95.26	8.19	4.1	0.0	20.0	0.0	89.3	34.0
29	1.29	16.9	1.3	94.61	8.14	4.07	0.0	20.0	0.0	88.6	33.7
30	1.29	17.4	1.3	93.67	8.06	4.03	0.0	20.0	0.0	87.7	33.4
31	1.29	17.9	1.4	92.41	7.95	3.97	0.0	20.0	0.0	86.5	32.9
32	1.29	18.4	1.4	90.84	7.81	3.91	0.0	20.0	0.0	85.0	32.4
33	1.29	18.9	1.4	88.96	7.65	3.83	0.0	20.0	0.0	83.2	31.7
34	1.29	19.4	1.4	86.77	7.46	3.73	0.0	20.0	0.0	81.1	30.9
35	1.29	19.9	1.4	84.25	7.25	3.62	0.0	20.0	0.0	78.7	30.0
36	1.29	20.4	1.4	81.41	7.0	3.5	0.0	20.0	0.0	76.1	29.0
37	1.29	20.9	1.4	78.25	6.73	3.36	0.0	20.0	0.0	73.1	27.8
38	1.29	21.4	1.4	74.76	6.43	3.21	0.0	20.0	0.0	69.9	26.6
39	1.29	21.9	1.4	70.93	6.1	3.05	0.0	20.0	0.0	66.3	25.2
40	1.29	22.4	1.4	66.77	5.74	2.87	0.0	20.0	0.0	62.4	23.8
41	1.29	22.9	1.4	62.27	5.36	2.68	0.0	20.0	0.0	58.2	22.2
42	1.29	23.5	1.4	57.43	4.94	2.47	0.0	20.0	0.0	53.7	20.5
43	1.29	24.0	1.4	52.24	4.49	2.25	0.0	20.0	0.0	48.9	18.6
44	1.29	24.5	1.4	46.7	4.02	2.01	0.0	20.0	0.0	43.7	16.7
45	1.29	25.0	1.4	40.81	3.51	1.75	0.0	20.0	0.0	38.2	14.6
46	1.29	25.5	1.4	34.55	2.97	1.49	0.0	20.0	0.0	32.4	12.3
47	1.69	26.1	1.9	35.19	3.03	1.51	0.0	20.0	0.0	33.0	12.6
48	0.89	26.7	1.0	13.54	1.16	0.58	0.0	20.0	0.0	12.7	4.8
49	1.29	27.1	1.4	12.78	1.1	0.55	0.0	20.0	0.0	12.0	4.6
50	1.29	27.6	1.5	4.36	0.37	0.19	0.0	20.0	0.0	4.1	1.6

$$x_c = 138.695 \quad y_c = 185.101 \quad R_c = 154.937 \quad F_s = 0.957$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.94	6.5	0.9	1.44	0.12	0.06	0.0	20.0	0.0	1.4	0.5
2	0.94	6.9	0.9	4.23	0.36	0.18	0.0	20.0	0.0	4.1	1.6
3	0.94	7.2	0.9	6.92	0.6	0.3	0.0	20.0	0.0	6.7	2.5
4	0.94	7.6	0.9	9.5	0.82	0.41	0.0	20.0	0.0	9.1	3.5
5	0.94	7.9	0.9	11.98	1.03	0.51	0.0	20.0	0.0	11.5	4.4
6	0.94	8.3	0.9	14.34	1.23	0.62	0.0	20.0	0.0	13.7	5.2
7	0.94	8.6	0.9	16.6	1.43	0.71	0.0	20.0	0.0	15.9	6.0
8	0.94	9.0	0.9	18.76	1.61	0.81	0.0	20.0	0.0	17.9	6.8
9	0.94	9.3	0.9	20.8	1.79	0.89	0.0	20.0	0.0	19.8	7.6
10	0.94	9.7	1.0	22.74	1.96	0.98	0.0	20.0	0.0	21.7	8.2
11	0.94	10.0	1.0	24.57	2.11	1.06	0.0	20.0	0.0	23.4	8.9
12	0.94	10.4	1.0	26.29	2.26	1.13	0.0	20.0	0.0	25.0	9.5
13	0.94	10.7	1.0	27.9	2.4	1.2	0.0	20.0	0.0	26.5	10.1
14	0.94	11.1	1.0	29.4	2.53	1.26	0.0	20.0	0.0	27.9	10.6
15	0.94	11.4	1.0	30.79	2.65	1.32	0.0	20.0	0.0	29.2	11.1
16	0.94	11.8	1.0	32.07	2.76	1.38	0.0	20.0	0.0	30.4	11.6
17	0.94	12.1	1.0	33.24	2.86	1.43	0.0	20.0	0.0	31.4	12.0

18	0.94	12.5	1.0	34.3	2.95	1.48	0.0	20.0	0.0	32.4	12.3
19	0.94	12.8	1.0	35.25	3.03	1.52	0.0	20.0	0.0	33.3	12.7
20	0.94	13.2	1.0	36.09	3.1	1.55	0.0	20.0	0.0	34.0	12.9
21	0.94	13.5	1.0	36.81	3.17	1.58	0.0	20.0	0.0	34.7	13.2
22	0.94	13.9	1.0	37.42	3.22	1.61	0.0	20.0	0.0	35.2	13.4
23	0.94	14.3	1.0	37.92	3.26	1.63	0.0	20.0	0.0	35.7	13.6
24	0.94	14.6	1.0	38.3	3.29	1.65	0.0	20.0	0.0	36.0	13.7
25	0.94	15.0	1.0	38.56	3.32	1.66	0.0	20.0	0.0	36.2	13.8
26	0.94	15.3	1.0	38.72	3.33	1.66	0.0	20.0	0.0	36.4	13.8
27	0.94	15.7	1.0	38.75	3.33	1.67	0.0	20.0	0.0	36.4	13.8
28	0.94	16.1	1.0	38.67	3.33	1.66	0.0	20.0	0.0	36.3	13.8
29	0.94	16.4	1.0	38.47	3.31	1.65	0.0	20.0	0.0	36.1	13.7
30	0.94	16.8	1.0	38.16	3.28	1.64	0.0	20.0	0.0	35.8	13.6
31	0.94	17.1	1.0	37.73	3.24	1.62	0.0	20.0	0.0	35.3	13.4
32	0.94	17.5	1.0	37.17	3.2	1.6	0.0	20.0	0.0	34.8	13.2
33	0.94	17.9	1.0	36.5	3.14	1.57	0.0	20.0	0.0	34.2	13.0
34	0.94	18.2	1.0	35.71	3.07	1.54	0.0	20.0	0.0	33.4	12.7
35	0.94	18.6	1.0	34.79	2.99	1.5	0.0	20.0	0.0	32.5	12.4
36	0.94	19.0	1.0	33.76	2.9	1.45	0.0	20.0	0.0	31.6	12.0
37	0.94	19.3	1.0	32.6	2.8	1.4	0.0	20.0	0.0	30.5	11.6
38	0.51	19.6	0.5	17.33	1.49	0.75	0.0	20.0	0.0	16.2	6.2
39	1.36	20.0	1.4	43.52	3.74	1.87	0.0	20.0	0.0	40.7	15.5
40	0.94	20.4	1.0	27.67	2.38	1.19	0.0	20.0	0.0	25.9	9.8
41	0.94	20.8	1.0	25.66	2.21	1.1	0.0	20.0	0.0	24.0	9.1
42	0.94	21.2	1.0	23.51	2.02	1.01	0.0	20.0	0.0	22.0	8.4
43	0.94	21.5	1.0	21.24	1.83	0.91	0.0	20.0	0.0	19.9	7.6
44	0.94	21.9	1.0	18.84	1.62	0.81	0.0	20.0	0.0	17.6	6.7
45	0.94	22.3	1.0	16.3	1.4	0.7	0.0	20.0	0.0	15.2	5.8
46	0.94	22.7	1.0	13.64	1.17	0.59	0.0	20.0	0.0	12.8	4.9
47	0.94	23.0	1.0	10.84	0.93	0.47	0.0	20.0	0.0	10.1	3.9
48	0.94	23.4	1.0	7.91	0.68	0.34	0.0	20.0	0.0	7.4	2.8
49	0.94	23.8	1.0	4.85	0.42	0.21	0.0	20.0	0.0	4.5	1.7
50	0.94	24.2	1.0	1.65	0.14	0.07	0.0	20.0	0.0	1.5	0.6

$$x_c = 156.137 \quad y_c = 179.952 \quad R_c = 146.769 \quad F_s = 0.987$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.18	3.3	1.2	3.05	0.26	0.13	0.0	20.0	0.0	3.0	1.1
2	1.18	3.7	1.2	8.98	0.77	0.39	0.0	20.0	0.0	8.8	3.2
3	1.18	4.2	1.2	14.69	1.26	0.63	0.0	20.0	0.0	14.3	5.3
4	1.18	4.7	1.2	20.18	1.74	0.87	0.0	20.0	0.0	19.7	7.2
5	1.18	5.1	1.2	25.45	2.19	1.09	0.0	20.0	0.0	24.7	9.1
6	1.18	5.6	1.2	30.5	2.62	1.31	0.0	20.0	0.0	29.6	10.9
7	1.18	6.0	1.2	35.33	3.04	1.52	0.0	20.0	0.0	34.2	12.6
8	1.18	6.5	1.2	39.94	3.43	1.72	0.0	20.0	0.0	38.6	14.2
9	1.18	7.0	1.2	44.32	3.81	1.91	0.0	20.0	0.0	42.7	15.7
10	1.18	7.4	1.2	48.49	4.17	2.08	0.0	20.0	0.0	46.7	17.2
11	1.18	7.9	1.2	52.43	4.51	2.25	0.0	20.0	0.0	50.4	18.6
12	1.18	8.4	1.2	56.14	4.83	2.41	0.0	20.0	0.0	53.8	19.8
13	1.18	8.8	1.2	59.64	5.13	2.56	0.0	20.0	0.0	57.1	21.0
14	1.18	9.3	1.2	62.9	5.41	2.7	0.0	20.0	0.0	60.1	22.2
15	1.18	9.8	1.2	65.94	5.67	2.84	0.0	20.0	0.0	62.9	23.2
16	1.18	10.2	1.2	68.75	5.91	2.96	0.0	20.0	0.0	65.5	24.1

17	1.18	10.7	1.2	71.34	6.14	3.07	0.0	20.0	0.0	67.9	25.0
18	1.18	11.2	1.2	73.7	6.34	3.17	0.0	20.0	0.0	70.0	25.8
19	1.18	11.6	1.2	75.82	6.52	3.26	0.0	20.0	0.0	71.9	26.5
20	1.18	12.1	1.2	77.71	6.68	3.34	0.0	20.0	0.0	73.7	27.2
21	1.18	12.6	1.2	79.37	6.83	3.41	0.0	20.0	0.0	75.1	27.7
22	1.18	13.0	1.2	80.8	6.95	3.47	0.0	20.0	0.0	76.4	28.2
23	1.13	13.5	1.2	78.54	6.75	3.38	0.0	20.0	0.0	74.2	27.4
24	1.23	14.0	1.3	86.08	7.4	3.7	0.0	20.0	0.0	81.3	30.0
25	1.18	14.5	1.2	82.78	7.12	3.56	0.0	20.0	0.0	78.1	28.8
26	1.18	14.9	1.2	82.69	7.11	3.56	0.0	20.0	0.0	77.9	28.7
27	1.18	15.4	1.2	82.36	7.08	3.54	0.0	20.0	0.0	77.6	28.6
28	1.18	15.9	1.2	81.79	7.03	3.52	0.0	20.0	0.0	77.0	28.4
29	1.18	16.4	1.2	80.97	6.96	3.48	0.0	20.0	0.0	76.1	28.1
30	1.18	16.8	1.2	79.9	6.87	3.44	0.0	20.0	0.0	75.1	27.7
31	1.18	17.3	1.2	78.59	6.76	3.38	0.0	20.0	0.0	73.8	27.2
32	1.18	17.8	1.2	77.02	6.62	3.31	0.0	20.0	0.0	72.3	26.7
33	1.18	18.3	1.2	75.21	6.47	3.23	0.0	20.0	0.0	70.6	26.0
34	1.18	18.8	1.2	73.14	6.29	3.14	0.0	20.0	0.0	68.6	25.3
35	1.18	19.3	1.2	70.81	6.09	3.04	0.0	20.0	0.0	66.5	24.5
36	1.18	19.7	1.3	68.23	5.87	2.93	0.0	20.0	0.0	64.0	23.6
37	1.18	20.2	1.3	65.38	5.62	2.81	0.0	20.0	0.0	61.3	22.6
38	1.18	20.7	1.3	62.27	5.36	2.68	0.0	20.0	0.0	58.4	21.5
39	1.18	21.2	1.3	58.89	5.06	2.53	0.0	20.0	0.0	55.3	20.4
40	1.18	21.7	1.3	55.25	4.75	2.38	0.0	20.0	0.0	51.9	19.1
41	1.18	22.2	1.3	51.33	4.41	2.21	0.0	20.0	0.0	48.2	17.8
42	1.18	22.7	1.3	47.14	4.05	2.03	0.0	20.0	0.0	44.3	16.3
43	1.18	23.2	1.3	42.68	3.67	1.84	0.0	20.0	0.0	40.1	14.8
44	1.18	23.7	1.3	37.93	3.26	1.63	0.0	20.0	0.0	35.7	13.1
45	1.18	24.2	1.3	32.9	2.83	1.41	0.0	20.0	0.0	30.9	11.4
46	1.18	24.7	1.3	27.58	2.37	1.19	0.0	20.0	0.0	26.0	9.6
47	1.18	25.2	1.3	21.97	1.89	0.94	0.0	20.0	0.0	20.7	7.6
48	1.18	25.7	1.3	16.07	1.38	0.69	0.0	20.0	0.0	15.1	5.6
49	1.18	26.2	1.3	9.87	0.85	0.42	0.0	20.0	0.0	9.3	3.4
50	1.18	26.7	1.3	3.37	0.29	0.14	0.0	20.0	0.0	3.2	1.2

$x_c = 173.579$   $y_c = 185.101$   $R_c = 148.692$   $F_s = 1.045$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.37	0.7	1.4	4.96	0.43	0.21	0.0	20.0	0.0	4.9	1.7
2	1.37	1.2	1.4	14.64	1.26	0.63	0.0	20.0	0.0	14.5	5.1
3	1.37	1.8	1.4	23.97	2.06	1.03	0.0	20.0	0.0	23.7	8.3
4	1.37	2.3	1.4	32.97	2.84	1.42	0.0	20.0	0.0	32.5	11.3
5	1.37	2.8	1.4	41.62	3.58	1.79	0.0	20.0	0.0	41.0	14.3
6	1.37	3.4	1.4	49.94	4.29	2.15	0.0	20.0	0.0	49.0	17.1
7	1.37	3.9	1.4	57.91	4.98	2.49	0.0	20.0	0.0	56.7	19.7
8	1.37	4.4	1.4	65.54	5.64	2.82	0.0	20.0	0.0	64.0	22.3
9	1.37	4.9	1.4	72.83	6.26	3.13	0.0	20.0	0.0	71.0	24.7
10	1.37	5.5	1.4	79.77	6.86	3.43	0.0	20.0	0.0	77.5	27.0
11	1.37	6.0	1.4	86.37	7.43	3.71	0.0	20.0	0.0	83.8	29.2
12	1.13	6.5	1.1	75.73	6.51	3.26	0.0	20.0	0.0	73.3	25.5
13	1.61	7.0	1.6	114.89	9.88	4.94	0.0	20.0	0.0	111.0	38.7
14	1.37	7.6	1.4	102.8	8.84	4.42	0.0	20.0	0.0	99.1	34.5
15	1.37	8.1	1.4	107.24	9.22	4.61	0.0	20.0	0.0	103.2	35.9



16	1.37	8.7	1.4	111.34	9.57	4.79	0.0	20.0	0.0	106.9	37.2
17	1.37	9.2	1.4	115.08	9.9	4.95	0.0	20.0	0.0	110.4	38.4
18	1.37	9.7	1.4	118.46	10.19	5.09	0.0	20.0	0.0	113.4	39.5
19	1.37	10.3	1.4	121.5	10.45	5.22	0.0	20.0	0.0	116.1	40.4
20	1.37	10.8	1.4	124.17	10.68	5.34	0.0	20.0	0.0	118.5	41.3
21	1.37	11.4	1.4	126.49	10.88	5.44	0.0	20.0	0.0	120.6	42.0
22	1.37	11.9	1.4	128.45	11.05	5.52	0.0	20.0	0.0	122.3	42.6
23	1.37	12.4	1.4	130.04	11.18	5.59	0.0	20.0	0.0	123.7	43.1
24	1.37	13.0	1.4	131.28	11.29	5.64	0.0	20.0	0.0	124.7	43.4
25	1.37	13.5	1.4	132.14	11.36	5.68	0.0	20.0	0.0	125.4	43.7
26	1.37	14.1	1.4	132.63	11.41	5.7	0.0	20.0	0.0	125.8	43.8
27	1.37	14.6	1.4	132.76	11.42	5.71	0.0	20.0	0.0	125.8	43.8
28	1.37	15.2	1.4	132.5	11.4	5.7	0.0	20.0	0.0	125.4	43.7
29	1.37	15.7	1.4	131.87	11.34	5.67	0.0	20.0	0.0	124.8	43.4
30	1.37	16.3	1.4	130.86	11.25	5.63	0.0	20.0	0.0	123.7	43.1
31	1.37	16.8	1.4	129.47	11.13	5.57	0.0	20.0	0.0	122.4	42.6
32	1.37	17.4	1.4	127.68	10.98	5.49	0.0	20.0	0.0	120.6	42.0
33	1.37	17.9	1.4	125.51	10.79	5.4	0.0	20.0	0.0	118.6	41.3
34	1.37	18.5	1.4	122.94	10.57	5.29	0.0	20.0	0.0	116.1	40.4
35	1.37	19.0	1.5	119.98	10.32	5.16	0.0	20.0	0.0	113.3	39.5
36	1.37	19.6	1.5	116.61	10.03	5.01	0.0	20.0	0.0	110.1	38.4
37	0.7	20.0	0.7	58.49	5.03	2.52	0.0	20.0	0.0	55.2	19.2
38	2.04	20.6	2.2	159.15	13.69	6.84	0.0	20.0	0.0	150.3	52.4
39	1.37	21.3	1.5	97.07	8.35	4.17	0.0	20.0	0.0	91.7	31.9
40	1.37	21.8	1.5	88.54	7.61	3.81	0.0	20.0	0.0	83.7	29.1
41	1.37	22.4	1.5	79.58	6.84	3.42	0.0	20.0	0.0	75.3	26.2
42	1.47	23.0	1.6	75.12	6.46	3.23	0.0	20.0	0.0	71.1	24.8
43	1.27	23.6	1.4	56.83	4.89	2.44	0.0	20.0	0.0	53.8	18.7
44	1.37	24.1	1.5	54.72	4.71	2.35	0.0	20.0	0.0	51.9	18.1
45	1.37	24.7	1.5	47.25	4.06	2.03	0.0	20.0	0.0	44.8	15.6
46	1.37	25.3	1.5	39.32	3.38	1.69	0.0	20.0	0.0	37.3	13.0
47	1.37	25.9	1.5	30.94	2.66	1.33	0.0	20.0	0.0	29.4	10.2
48	1.84	26.6	2.1	27.59	2.37	1.19	0.0	20.0	0.0	26.3	9.1
49	0.9	27.2	1.0	7.56	0.65	0.33	0.0	20.0	0.0	7.2	2.5
50	1.37	27.7	1.5	4.44	0.38	0.19	0.0	20.0	0.0	4.2	1.5

$x_c = 191.021$   $y_c = 179.952$   $R_c = 140.524$   $F_s = 1.059$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.55	-1.8	1.6	7.41	0.64	0.32	0.0	20.0	0.0	7.5	2.6
2	1.55	-1.2	1.6	21.83	1.88	0.94	0.0	20.0	0.0	22.0	7.6
3	1.99	-0.4	2.0	48.34	4.16	2.08	0.0	20.0	0.0	48.5	16.7
4	1.11	0.2	1.1	36.24	3.12	1.56	0.0	20.0	0.0	36.2	12.4
5	1.55	0.7	1.6	60.76	5.23	2.61	0.0	20.0	0.0	60.5	20.8
6	1.55	1.4	1.6	72.11	6.2	3.1	0.0	20.0	0.0	71.5	24.6
7	1.55	2.0	1.6	82.93	7.13	3.57	0.0	20.0	0.0	82.0	28.2
8	1.55	2.6	1.6	93.24	8.02	4.01	0.0	20.0	0.0	91.9	31.6
9	1.55	3.3	1.6	103.02	8.86	4.43	0.0	20.0	0.0	101.2	34.8
10	1.55	3.9	1.6	112.28	9.66	4.83	0.0	20.0	0.0	110.0	37.8
11	1.55	4.5	1.6	121.01	10.41	5.2	0.0	20.0	0.0	118.2	40.6
12	1.55	5.2	1.6	129.21	11.11	5.56	0.0	20.0	0.0	125.8	43.2
13	1.55	5.8	1.6	136.89	11.77	5.89	0.0	20.0	0.0	132.9	45.7
14	1.55	6.5	1.6	144.04	12.39	6.19	0.0	20.0	0.0	139.5	47.9

15	1.55	7.1	1.6	150.65	12.96	6.48	0.0	20.0	0.0	145.6	50.0
16	1.55	7.7	1.6	156.74	13.48	6.74	0.0	20.0	0.0	151.1	51.9
17	1.55	8.4	1.6	162.28	13.96	6.98	0.0	20.0	0.0	156.1	53.6
18	1.55	9.0	1.6	167.29	14.39	7.19	0.0	20.0	0.0	160.6	55.2
19	1.55	9.6	1.6	171.76	14.77	7.39	0.0	20.0	0.0	164.6	56.6
20	1.55	10.3	1.6	175.68	15.11	7.55	0.0	20.0	0.0	168.1	57.7
21	1.55	10.9	1.6	179.06	15.4	7.7	0.0	20.0	0.0	171.0	58.8
22	1.55	11.6	1.6	181.88	15.64	7.82	0.0	20.0	0.0	173.4	59.6
23	1.55	12.2	1.6	184.15	15.84	7.92	0.0	20.0	0.0	175.4	60.2
24	1.55	12.9	1.6	185.86	15.98	7.99	0.0	20.0	0.0	176.8	60.7
25	1.7	13.6	1.7	204.52	17.59	8.79	0.0	20.0	0.0	194.3	66.7
26	1.41	14.2	1.5	168.23	14.47	7.23	0.0	20.0	0.0	159.6	54.8
27	1.55	14.8	1.6	181.26	15.59	7.79	0.0	20.0	0.0	171.9	59.0
28	1.55	15.5	1.6	176.18	15.15	7.58	0.0	20.0	0.0	166.9	57.3
29	1.55	16.1	1.6	170.52	14.67	7.33	0.0	20.0	0.0	161.5	55.5
30	1.56	16.8	1.6	165.23	14.21	7.1	0.0	20.0	0.0	156.4	53.7
31	1.54	17.5	1.6	158.54	13.63	6.82	0.0	20.0	0.0	150.0	51.5
32	1.55	18.1	1.6	156.2	13.43	6.72	0.0	20.0	0.0	147.7	50.8
33	1.55	18.8	1.6	152.3	13.1	6.55	0.0	20.0	0.0	144.0	49.5
34	1.55	19.5	1.6	147.79	12.71	6.36	0.0	20.0	0.0	139.8	48.0
35	1.55	20.1	1.7	142.66	12.27	6.13	0.0	20.0	0.0	134.9	46.4
36	0.84	20.7	0.9	75.09	6.46	3.23	0.0	20.0	0.0	71.0	24.4
37	2.26	21.3	2.4	194.08	16.69	8.35	0.0	20.0	0.0	183.7	63.1
38	1.55	22.2	1.7	126.66	10.89	5.45	0.0	20.0	0.0	120.0	41.2
39	1.55	22.9	1.7	120.61	10.37	5.19	0.0	20.0	0.0	114.3	39.3
40	1.55	23.6	1.7	113.88	9.79	4.9	0.0	20.0	0.0	108.0	37.1
41	1.55	24.2	1.7	106.47	9.16	4.58	0.0	20.0	0.0	101.1	34.7
42	1.55	24.9	1.7	98.38	8.46	4.23	0.0	20.0	0.0	93.6	32.1
43	1.55	25.6	1.7	89.59	7.7	3.85	0.0	20.0	0.0	85.3	29.3
44	1.55	26.3	1.7	80.09	6.89	3.44	0.0	20.0	0.0	76.4	26.2
45	1.55	27.1	1.7	69.86	6.01	3.0	0.0	20.0	0.0	66.7	22.9
46	1.55	27.8	1.8	58.89	5.06	2.53	0.0	20.0	0.0	56.4	19.4
47	1.55	28.5	1.8	47.17	4.06	2.03	0.0	20.0	0.0	45.2	15.5
48	1.55	29.2	1.8	34.69	2.98	1.49	0.0	20.0	0.0	33.3	11.5
49	1.55	29.9	1.8	21.42	1.84	0.92	0.0	20.0	0.0	20.6	7.1
50	1.55	30.7	1.8	7.34	0.63	0.32	0.0	20.0	0.0	7.1	2.4

$$x_c = 208.464 \quad y_c = 185.101 \quad R_c = 136.848 \quad F_s = 1.01$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.8	5.7	0.8	1.01	0.09	0.04	0.0	20.0	0.0	1.0	0.4
2	0.8	6.0	0.8	2.98	0.26	0.13	0.0	20.0	0.0	2.9	1.0
3	0.8	6.4	0.8	4.88	0.42	0.21	0.0	20.0	0.0	4.7	1.7
4	0.77	6.7	0.8	6.42	0.55	0.28	0.0	20.0	0.0	6.2	2.2
5	0.83	7.0	0.8	8.06	0.69	0.35	0.0	20.0	0.0	7.8	2.8
6	0.8	7.4	0.8	8.26	0.71	0.36	0.0	20.0	0.0	8.0	2.9
7	0.8	7.7	0.8	8.65	0.74	0.37	0.0	20.0	0.0	8.3	3.0
8	0.8	8.1	0.8	8.96	0.77	0.39	0.0	20.0	0.0	8.6	3.1
9	0.8	8.4	0.8	9.2	0.79	0.4	0.0	20.0	0.0	8.8	3.2
10	0.8	8.7	0.8	9.36	0.8	0.4	0.0	20.0	0.0	9.0	3.2
11	0.8	9.1	0.8	9.44	0.81	0.41	0.0	20.0	0.0	9.0	3.3
12	0.8	9.4	0.8	9.45	0.81	0.41	0.0	20.0	0.0	9.0	3.3
13	1.18	9.8	1.2	13.79	1.19	0.59	0.0	20.0	0.0	13.2	4.7

14	0.42	10.2	0.4	4.99	0.43	0.21	0.0	20.0	0.0	4.8	1.7
15	0.8	10.4	0.8	10.15	0.87	0.44	0.0	20.0	0.0	9.7	3.5
16	0.8	10.8	0.8	10.96	0.94	0.47	0.0	20.0	0.0	10.4	3.8
17	0.8	11.1	0.8	11.69	1.01	0.5	0.0	20.0	0.0	11.1	4.0
18	0.8	11.5	0.8	12.34	1.06	0.53	0.0	20.0	0.0	11.7	4.2
19	0.8	11.8	0.8	12.91	1.11	0.56	0.0	20.0	0.0	12.3	4.4
20	0.8	12.1	0.8	13.41	1.15	0.58	0.0	20.0	0.0	12.7	4.6
21	0.8	12.5	0.8	13.82	1.19	0.59	0.0	20.0	0.0	13.1	4.7
22	0.8	12.8	0.8	14.16	1.22	0.61	0.0	20.0	0.0	13.4	4.8
23	0.8	13.2	0.8	14.42	1.24	0.62	0.0	20.0	0.0	13.7	4.9
24	0.96	13.6	1.0	17.43	1.5	0.75	0.0	20.0	0.0	16.5	5.9
25	0.65	13.9	0.7	12.0	1.03	0.52	0.0	20.0	0.0	11.3	4.1
26	0.8	14.2	0.8	15.28	1.31	0.66	0.0	20.0	0.0	14.4	5.2
27	0.8	14.6	0.8	15.65	1.35	0.67	0.0	20.0	0.0	14.8	5.3
28	0.8	14.9	0.8	15.95	1.37	0.69	0.0	20.0	0.0	15.1	5.4
29	0.8	15.3	0.8	16.16	1.39	0.69	0.0	20.0	0.0	15.2	5.5
30	0.8	15.6	0.8	16.28	1.4	0.7	0.0	20.0	0.0	15.4	5.5
31	0.8	16.0	0.8	16.33	1.4	0.7	0.0	20.0	0.0	15.4	5.5
32	0.8	16.3	0.8	16.29	1.4	0.7	0.0	20.0	0.0	15.4	5.5
33	0.8	16.7	0.8	16.17	1.39	0.7	0.0	20.0	0.0	15.2	5.5
34	0.8	17.0	0.8	15.97	1.37	0.69	0.0	20.0	0.0	15.0	5.4
35	0.8	17.4	0.8	15.68	1.35	0.67	0.0	20.0	0.0	14.8	5.3
36	0.8	17.7	0.8	15.3	1.32	0.66	0.0	20.0	0.0	14.4	5.2
37	0.8	18.1	0.8	14.84	1.28	0.64	0.0	20.0	0.0	14.0	5.0
38	0.8	18.4	0.8	14.3	1.23	0.61	0.0	20.0	0.0	13.5	4.8
39	0.8	18.8	0.8	13.67	1.18	0.59	0.0	20.0	0.0	12.9	4.6
40	0.8	19.1	0.8	12.95	1.11	0.56	0.0	20.0	0.0	12.2	4.4
41	0.8	19.5	0.9	12.14	1.04	0.52	0.0	20.0	0.0	11.4	4.1
42	0.8	19.8	0.9	11.25	0.97	0.48	0.0	20.0	0.0	10.6	3.8
43	0.8	20.2	0.9	10.26	0.88	0.44	0.0	20.0	0.0	9.7	3.5
44	0.8	20.6	0.9	9.19	0.79	0.4	0.0	20.0	0.0	8.6	3.1
45	0.8	20.9	0.9	8.03	0.69	0.35	0.0	20.0	0.0	7.6	2.7
46	0.8	21.3	0.9	6.78	0.58	0.29	0.0	20.0	0.0	6.4	2.3
47	0.8	21.6	0.9	5.43	0.47	0.23	0.0	20.0	0.0	5.1	1.8
48	0.8	22.0	0.9	4.0	0.34	0.17	0.0	20.0	0.0	3.8	1.4
49	0.8	22.4	0.9	2.47	0.21	0.11	0.0	20.0	0.0	2.3	0.8
50	0.8	22.7	0.9	0.85	0.07	0.04	0.0	20.0	0.0	0.8	0.3

$$x_c = 225.906 \quad y_c = 179.952 \quad R_c = 128.291 \quad F_s = 0.935$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.92	5.3	0.9	1.34	0.12	0.06	0.0	20.0	0.0	1.3	0.5
2	0.92	5.7	0.9	3.93	0.34	0.17	0.0	20.0	0.0	3.8	1.5
3	0.92	6.1	0.9	6.4	0.55	0.28	0.0	20.0	0.0	6.2	2.4
4	1.04	6.5	1.0	10.04	0.86	0.43	0.0	20.0	0.0	9.7	3.8
5	0.8	6.9	0.8	9.91	0.85	0.43	0.0	20.0	0.0	9.5	3.7
6	0.92	7.3	0.9	13.88	1.19	0.6	0.0	20.0	0.0	13.3	5.2
7	0.92	7.8	0.9	16.44	1.41	0.71	0.0	20.0	0.0	15.8	6.1
8	0.92	8.2	0.9	18.88	1.62	0.81	0.0	20.0	0.0	18.1	7.0
9	0.92	8.6	0.9	21.19	1.82	0.91	0.0	20.0	0.0	20.2	7.9
10	0.92	9.0	0.9	23.38	2.01	1.01	0.0	20.0	0.0	22.3	8.7
11	0.92	9.4	0.9	25.45	2.19	1.09	0.0	20.0	0.0	24.2	9.4
12	0.92	9.8	0.9	27.39	2.36	1.18	0.0	20.0	0.0	26.0	10.1

13	0.92	10.3	0.9	29.21	2.51	1.26	0.0	20.0	0.0	27.7	10.8
14	0.92	10.7	0.9	30.9	2.66	1.33	0.0	20.0	0.0	29.3	11.4
15	0.92	11.1	0.9	32.47	2.79	1.4	0.0	20.0	0.0	30.7	12.0
16	0.92	11.5	0.9	33.91	2.92	1.46	0.0	20.0	0.0	32.1	12.5
17	0.92	11.9	0.9	35.22	3.03	1.51	0.0	20.0	0.0	33.3	12.9
18	0.92	12.4	0.9	36.4	3.13	1.57	0.0	20.0	0.0	34.3	13.4
19	0.92	12.8	0.9	37.46	3.22	1.61	0.0	20.0	0.0	35.3	13.7
20	0.92	13.2	0.9	38.38	3.3	1.65	0.0	20.0	0.0	36.1	14.1
21	0.92	13.6	0.9	39.18	3.37	1.68	0.0	20.0	0.0	36.8	14.3
22	0.92	14.0	1.0	39.85	3.43	1.71	0.0	20.0	0.0	37.4	14.6
23	0.92	14.5	1.0	40.38	3.47	1.74	0.0	20.0	0.0	37.9	14.8
24	0.92	14.9	1.0	40.79	3.51	1.75	0.0	20.0	0.0	38.2	14.9
25	0.92	15.3	1.0	41.06	3.53	1.77	0.0	20.0	0.0	38.5	15.0
26	0.92	15.7	1.0	41.19	3.54	1.77	0.0	20.0	0.0	38.6	15.0
27	0.92	16.2	1.0	41.2	3.54	1.77	0.0	20.0	0.0	38.5	15.0
28	0.92	16.6	1.0	41.07	3.53	1.77	0.0	20.0	0.0	38.4	14.9
29	0.92	17.0	1.0	40.8	3.51	1.75	0.0	20.0	0.0	38.1	14.8
30	0.92	17.5	1.0	40.39	3.47	1.74	0.0	20.0	0.0	37.7	14.7
31	0.92	17.9	1.0	39.85	3.43	1.71	0.0	20.0	0.0	37.2	14.5
32	0.92	18.3	1.0	39.17	3.37	1.68	0.0	20.0	0.0	36.5	14.2
33	0.92	18.8	1.0	38.35	3.3	1.65	0.0	20.0	0.0	35.8	13.9
34	0.92	19.2	1.0	37.38	3.22	1.61	0.0	20.0	0.0	34.9	13.6
35	0.92	19.6	1.0	36.28	3.12	1.56	0.0	20.0	0.0	33.8	13.2
36	0.92	20.1	1.0	35.03	3.01	1.51	0.0	20.0	0.0	32.7	12.7
37	0.92	20.5	1.0	33.64	2.89	1.45	0.0	20.0	0.0	31.3	12.2
38	0.92	21.0	1.0	32.1	2.76	1.38	0.0	20.0	0.0	29.9	11.6
39	0.92	21.4	1.0	30.41	2.62	1.31	0.0	20.0	0.0	28.3	11.0
40	0.92	21.8	1.0	28.58	2.46	1.23	0.0	20.0	0.0	26.6	10.4
41	0.92	22.3	1.0	26.6	2.29	1.14	0.0	20.0	0.0	24.8	9.7
42	0.92	22.7	1.0	24.46	2.1	1.05	0.0	20.0	0.0	22.8	8.9
43	0.92	23.2	1.0	22.18	1.91	0.95	0.0	20.0	0.0	20.7	8.0
44	0.92	23.6	1.0	19.74	1.7	0.85	0.0	20.0	0.0	18.4	7.2
45	0.92	24.1	1.0	17.14	1.47	0.74	0.0	20.0	0.0	16.0	6.2
46	0.92	24.5	1.0	14.39	1.24	0.62	0.0	20.0	0.0	13.4	5.2
47	0.92	25.0	1.0	11.47	0.99	0.49	0.0	20.0	0.0	10.7	4.2
48	0.92	25.4	1.0	8.4	0.72	0.36	0.0	20.0	0.0	7.8	3.1
49	0.92	25.9	1.0	5.16	0.44	0.22	0.0	20.0	0.0	4.8	1.9
50	0.92	26.4	1.0	1.76	0.15	0.08	0.0	20.0	0.0	1.6	0.6

$x_c = 103.81$   $y_c = 195.401$   $R_c = 176.993$   $F_s = 1.005$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.77	-0.5	1.8	5.54	0.48	0.24	0.0	20.0	0.0	5.6	2.0
2	1.77	0.0	1.8	16.16	1.39	0.7	0.0	20.0	0.0	16.2	5.9
3	1.77	0.6	1.8	26.18	2.25	1.13	0.0	20.0	0.0	26.1	9.4
4	1.77	1.2	1.8	35.58	3.06	1.53	0.0	20.0	0.0	35.3	12.8
5	1.77	1.7	1.8	44.37	3.82	1.91	0.0	20.0	0.0	43.9	15.9
6	1.77	2.3	1.8	52.56	4.52	2.26	0.0	20.0	0.0	51.8	18.8
7	1.77	2.9	1.8	60.13	5.17	2.59	0.0	20.0	0.0	59.1	21.4
8	1.77	3.5	1.8	67.09	5.77	2.88	0.0	20.0	0.0	65.8	23.8
9	1.77	4.0	1.8	73.43	6.32	3.16	0.0	20.0	0.0	71.8	26.0
10	1.77	4.6	1.8	79.16	6.81	3.4	0.0	20.0	0.0	77.2	27.9
11	1.77	5.2	1.8	84.28	7.25	3.62	0.0	20.0	0.0	81.9	29.7

12	1.77	5.7	1.8	88.78	7.63	3.82	0.0	20.0	0.0	86.1	31.2
13	2.14	6.4	2.2	112.68	9.69	4.85	0.0	20.0	0.0	109.0	39.5
14	1.39	7.0	1.4	78.0	6.71	3.35	0.0	20.0	0.0	75.3	27.2
15	1.77	7.5	1.8	107.26	9.22	4.61	0.0	20.0	0.0	103.3	37.4
16	1.77	8.1	1.8	116.02	9.98	4.99	0.0	20.0	0.0	111.5	40.4
17	1.77	8.6	1.8	124.16	10.68	5.34	0.0	20.0	0.0	119.0	43.1
18	1.77	9.2	1.8	131.66	11.32	5.66	0.0	20.0	0.0	126.0	45.6
19	1.77	9.8	1.8	138.54	11.91	5.96	0.0	20.0	0.0	132.3	47.9
20	1.77	10.4	1.8	144.77	12.45	6.23	0.0	20.0	0.0	138.0	50.0
21	1.77	11.0	1.8	150.36	12.93	6.47	0.0	20.0	0.0	143.1	51.8
22	1.77	11.5	1.8	155.31	13.36	6.68	0.0	20.0	0.0	147.6	53.4
23	1.77	12.1	1.8	159.61	13.73	6.86	0.0	20.0	0.0	151.5	54.8
24	1.77	12.7	1.8	163.26	14.04	7.02	0.0	20.0	0.0	154.7	56.0
25	1.77	13.3	1.8	166.25	14.3	7.15	0.0	20.0	0.0	157.4	57.0
26	1.77	13.9	1.8	168.58	14.5	7.25	0.0	20.0	0.0	159.4	57.7
27	1.77	14.5	1.8	170.24	14.64	7.32	0.0	20.0	0.0	160.8	58.2
28	1.77	15.1	1.8	171.24	14.73	7.36	0.0	20.0	0.0	161.6	58.5
29	1.77	15.7	1.8	171.55	14.75	7.38	0.0	20.0	0.0	161.8	58.6
30	1.77	16.2	1.8	171.18	14.72	7.36	0.0	20.0	0.0	161.3	58.4
31	1.77	16.8	1.8	170.12	14.63	7.32	0.0	20.0	0.0	160.2	58.0
32	1.77	17.4	1.9	168.37	14.48	7.24	0.0	20.0	0.0	158.5	57.4
33	1.77	18.0	1.9	165.92	14.27	7.13	0.0	20.0	0.0	156.1	56.5
34	1.77	18.6	1.9	162.75	14.0	7.0	0.0	20.0	0.0	153.1	55.4
35	1.77	19.2	1.9	158.87	13.66	6.83	0.0	20.0	0.0	149.4	54.1
36	1.77	19.9	1.9	154.27	13.27	6.63	0.0	20.0	0.0	145.1	52.5
37	1.77	20.5	1.9	148.93	12.81	6.4	0.0	20.0	0.0	140.0	50.7
38	1.77	21.1	1.9	142.85	12.28	6.14	0.0	20.0	0.0	134.3	48.6
39	1.77	21.7	1.9	136.02	11.7	5.85	0.0	20.0	0.0	128.0	46.3
40	1.77	22.3	1.9	128.43	11.04	5.52	0.0	20.0	0.0	120.9	43.8
41	1.77	22.9	1.9	120.06	10.33	5.16	0.0	20.0	0.0	113.1	40.9
42	1.77	23.5	1.9	110.92	9.54	4.77	0.0	20.0	0.0	104.5	37.8
43	1.77	24.2	1.9	100.99	8.69	4.34	0.0	20.0	0.0	95.2	34.5
44	1.77	24.8	1.9	90.26	7.76	3.88	0.0	20.0	0.0	85.2	30.8
45	1.77	25.4	2.0	78.7	6.77	3.38	0.0	20.0	0.0	74.3	26.9
46	1.77	26.1	2.0	66.33	5.7	2.85	0.0	20.0	0.0	62.7	22.7
47	1.77	26.7	2.0	53.11	4.57	2.28	0.0	20.0	0.0	50.3	18.2
48	1.77	27.3	2.0	39.03	3.36	1.68	0.0	20.0	0.0	37.0	13.4
49	1.77	28.0	2.0	24.08	2.07	1.04	0.0	20.0	0.0	22.9	8.3
50	1.77	28.6	2.0	8.25	0.71	0.35	0.0	20.0	0.0	7.9	2.8

$$x_c = 121.252 \quad y_c = 190.251 \quad R_c = 166.498 \quad F_s = 0.958$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.37	3.4	1.4	4.11	0.35	0.18	0.0	20.0	0.0	4.0	1.5
2	1.37	3.9	1.4	12.11	1.04	0.52	0.0	20.0	0.0	11.8	4.5
3	1.37	4.3	1.4	19.8	1.7	0.85	0.0	20.0	0.0	19.3	7.3
4	1.37	4.8	1.4	27.19	2.34	1.17	0.0	20.0	0.0	26.4	10.0
5	1.37	5.3	1.4	34.27	2.95	1.47	0.0	20.0	0.0	33.2	12.6
6	1.37	5.8	1.4	41.03	3.53	1.76	0.0	20.0	0.0	39.7	15.1
7	1.37	6.2	1.4	47.49	4.08	2.04	0.0	20.0	0.0	45.9	17.4
8	1.37	6.7	1.4	53.64	4.61	2.31	0.0	20.0	0.0	51.7	19.6
9	1.37	7.2	1.4	59.48	5.12	2.56	0.0	20.0	0.0	57.2	21.7
10	1.37	7.7	1.4	65.01	5.59	2.8	0.0	20.0	0.0	62.4	23.7

11	1.37	8.1	1.4	70.22	6.04	3.02	0.0	20.0	0.0	67.3	25.6
12	1.37	8.6	1.4	75.12	6.46	3.23	0.0	20.0	0.0	71.8	27.3
13	1.37	9.1	1.4	79.7	6.85	3.43	0.0	20.0	0.0	76.1	28.9
14	1.37	9.6	1.4	83.97	7.22	3.61	0.0	20.0	0.0	80.0	30.4
15	1.37	10.0	1.4	87.92	7.56	3.78	0.0	20.0	0.0	83.7	31.8
16	1.37	10.5	1.4	91.55	7.87	3.94	0.0	20.0	0.0	87.0	33.0
17	1.37	11.0	1.4	94.86	8.16	4.08	0.0	20.0	0.0	90.0	34.2
18	1.37	11.5	1.4	97.85	8.41	4.21	0.0	20.0	0.0	92.7	35.2
19	1.37	12.0	1.4	100.51	8.64	4.32	0.0	20.0	0.0	95.1	36.1
20	1.37	12.5	1.4	102.85	8.84	4.42	0.0	20.0	0.0	97.2	36.9
21	1.37	12.9	1.4	104.86	9.02	4.51	0.0	20.0	0.0	99.0	37.6
22	1.37	13.4	1.4	106.54	9.16	4.58	0.0	20.0	0.0	100.4	38.2
23	1.37	13.9	1.4	107.89	9.28	4.64	0.0	20.0	0.0	101.6	38.6
24	1.37	14.4	1.4	108.91	9.37	4.68	0.0	20.0	0.0	102.4	38.9
25	1.37	14.9	1.4	109.59	9.43	4.71	0.0	20.0	0.0	103.0	39.1
26	1.37	15.4	1.4	109.94	9.45	4.73	0.0	20.0	0.0	103.2	39.2
27	1.37	15.9	1.4	109.95	9.46	4.73	0.0	20.0	0.0	103.2	39.2
28	1.37	16.4	1.4	109.61	9.43	4.71	0.0	20.0	0.0	102.8	39.1
29	1.37	16.9	1.4	108.93	9.37	4.68	0.0	20.0	0.0	102.1	38.8
30	1.37	17.3	1.4	107.9	9.28	4.64	0.0	20.0	0.0	101.0	38.4
31	1.37	17.8	1.4	106.52	9.16	4.58	0.0	20.0	0.0	99.7	37.9
32	1.37	18.3	1.4	104.78	9.01	4.51	0.0	20.0	0.0	98.0	37.3
33	1.37	18.8	1.5	102.7	8.83	4.42	0.0	20.0	0.0	96.1	36.5
34	1.37	19.3	1.5	100.25	8.62	4.31	0.0	20.0	0.0	93.7	35.6
35	1.37	19.8	1.5	97.44	8.38	4.19	0.0	20.0	0.0	91.1	34.6
36	1.37	20.3	1.5	94.26	8.11	4.05	0.0	20.0	0.0	88.1	33.5
37	1.37	20.8	1.5	90.71	7.8	3.9	0.0	20.0	0.0	84.8	32.2
38	1.37	21.4	1.5	86.79	7.46	3.73	0.0	20.0	0.0	81.1	30.8
39	1.37	21.9	1.5	82.5	7.09	3.55	0.0	20.0	0.0	77.1	29.3
40	1.37	22.4	1.5	77.82	6.69	3.35	0.0	20.0	0.0	72.8	27.7
41	1.37	22.9	1.5	72.76	6.26	3.13	0.0	20.0	0.0	68.1	25.9
42	1.37	23.4	1.5	67.3	5.79	2.89	0.0	20.0	0.0	63.0	23.9
43	1.37	23.9	1.5	61.46	5.29	2.64	0.0	20.0	0.0	57.5	21.9
44	1.53	24.5	1.7	61.29	5.27	2.64	0.0	20.0	0.0	57.4	21.8
45	1.21	25.0	1.3	42.18	3.63	1.81	0.0	20.0	0.0	39.5	15.0
46	1.37	25.5	1.5	40.44	3.48	1.74	0.0	20.0	0.0	37.9	14.4
47	1.37	26.0	1.5	32.19	2.77	1.38	0.0	20.0	0.0	30.2	11.5
48	1.37	26.5	1.5	23.53	2.02	1.01	0.0	20.0	0.0	22.1	8.4
49	1.37	27.1	1.5	14.44	1.24	0.62	0.0	20.0	0.0	13.6	5.2
50	1.37	27.6	1.5	4.92	0.42	0.21	0.0	20.0	0.0	4.6	1.8

$xc = 138.695$   $yc = 195.401$   $Rc = 165.027$   $Fs=0.961$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.0	6.4	1.0	1.65	0.14	0.07	0.0	20.0	0.0	1.6	0.6
2	1.0	6.8	1.0	4.86	0.42	0.21	0.0	20.0	0.0	4.7	1.8
3	1.0	7.1	1.0	7.95	0.68	0.34	0.0	20.0	0.0	7.6	2.9
4	1.0	7.5	1.0	10.92	0.94	0.47	0.0	20.0	0.0	10.5	4.0
5	1.0	7.8	1.0	13.76	1.18	0.59	0.0	20.0	0.0	13.2	5.0
6	1.0	8.2	1.0	16.49	1.42	0.71	0.0	20.0	0.0	15.8	6.0
7	1.0	8.5	1.0	19.09	1.64	0.82	0.0	20.0	0.0	18.3	6.9
8	1.0	8.9	1.0	21.57	1.85	0.93	0.0	20.0	0.0	20.6	7.8
9	1.0	9.2	1.0	23.93	2.06	1.03	0.0	20.0	0.0	22.8	8.6

10	1.0	9.6	1.0	26.16	2.25	1.12	0.0	20.0	0.0	24.9	9.4
11	1.0	9.9	1.0	28.27	2.43	1.22	0.0	20.0	0.0	26.9	10.2
12	1.0	10.3	1.0	30.25	2.6	1.3	0.0	20.0	0.0	28.8	10.9
13	1.0	10.6	1.0	32.12	2.76	1.38	0.0	20.0	0.0	30.5	11.6
14	1.0	11.0	1.0	33.85	2.91	1.46	0.0	20.0	0.0	32.1	12.2
15	1.0	11.3	1.0	35.46	3.05	1.52	0.0	20.0	0.0	33.6	12.7
16	1.0	11.7	1.0	36.95	3.18	1.59	0.0	20.0	0.0	35.0	13.3
17	1.0	12.1	1.0	38.31	3.29	1.65	0.0	20.0	0.0	36.2	13.7
18	1.0	12.4	1.0	39.54	3.4	1.7	0.0	20.0	0.0	37.4	14.2
19	1.0	12.8	1.0	40.65	3.5	1.75	0.0	20.0	0.0	38.4	14.5
20	1.0	13.1	1.0	41.63	3.58	1.79	0.0	20.0	0.0	39.3	14.9
21	1.0	13.5	1.0	42.47	3.65	1.83	0.0	20.0	0.0	40.0	15.2
22	1.0	13.8	1.0	43.19	3.71	1.86	0.0	20.0	0.0	40.7	15.4
23	1.0	14.2	1.0	43.79	3.77	1.88	0.0	20.0	0.0	41.2	15.6
24	1.0	14.5	1.0	44.25	3.81	1.9	0.0	20.0	0.0	41.6	15.8
25	1.0	14.9	1.0	44.58	3.83	1.92	0.0	20.0	0.0	41.9	15.9
26	1.0	15.3	1.0	44.78	3.85	1.93	0.0	20.0	0.0	42.1	15.9
27	1.0	15.6	1.0	44.84	3.86	1.93	0.0	20.0	0.0	42.1	15.9
28	1.0	16.0	1.0	44.78	3.85	1.93	0.0	20.0	0.0	42.0	15.9
29	1.0	16.3	1.0	44.58	3.83	1.92	0.0	20.0	0.0	41.8	15.8
30	1.0	16.7	1.0	44.25	3.81	1.9	0.0	20.0	0.0	41.5	15.7
31	1.0	17.1	1.0	43.78	3.77	1.88	0.0	20.0	0.0	41.0	15.5
32	1.0	17.4	1.0	43.17	3.71	1.86	0.0	20.0	0.0	40.4	15.3
33	1.0	17.8	1.0	42.44	3.65	1.82	0.0	20.0	0.0	39.7	15.0
34	1.32	18.2	1.4	54.62	4.7	2.35	0.0	20.0	0.0	51.1	19.4
35	0.68	18.6	0.7	27.39	2.36	1.18	0.0	20.0	0.0	25.6	9.7
36	1.0	18.9	1.1	38.91	3.35	1.67	0.0	20.0	0.0	36.4	13.8
37	1.0	19.3	1.1	37.2	3.2	1.6	0.0	20.0	0.0	34.8	13.2
38	1.0	19.6	1.1	35.36	3.04	1.52	0.0	20.0	0.0	33.1	12.5
39	1.0	20.0	1.1	33.37	2.87	1.44	0.0	20.0	0.0	31.2	11.8
40	1.0	20.4	1.1	31.25	2.69	1.34	0.0	20.0	0.0	29.2	11.1
41	1.0	20.7	1.1	28.97	2.49	1.25	0.0	20.0	0.0	27.1	10.3
42	1.0	21.1	1.1	26.56	2.28	1.14	0.0	20.0	0.0	24.8	9.4
43	1.0	21.5	1.1	23.99	2.06	1.03	0.0	20.0	0.0	22.4	8.5
44	1.0	21.9	1.1	21.28	1.83	0.92	0.0	20.0	0.0	19.9	7.5
45	1.0	22.2	1.1	18.42	1.58	0.79	0.0	20.0	0.0	17.2	6.5
46	1.0	22.6	1.1	15.42	1.33	0.66	0.0	20.0	0.0	14.4	5.5
47	1.0	23.0	1.1	12.26	1.05	0.53	0.0	20.0	0.0	11.5	4.3
48	1.0	23.4	1.1	8.95	0.77	0.38	0.0	20.0	0.0	8.4	3.2
49	1.0	23.7	1.1	5.48	0.47	0.24	0.0	20.0	0.0	5.1	1.9
50	1.0	24.1	1.1	1.87	0.16	0.08	0.0	20.0	0.0	1.7	0.7

$$x_c = 156.137 \quad y_c = 190.251 \quad R_c = 156.86 \quad F_s = 0.991$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.23	3.4	1.2	3.3	0.28	0.14	0.0	20.0	0.0	3.2	1.2
2	1.23	3.8	1.2	9.71	0.84	0.42	0.0	20.0	0.0	9.5	3.5
3	1.23	4.3	1.2	15.9	1.37	0.68	0.0	20.0	0.0	15.5	5.7
4	1.23	4.7	1.2	21.85	1.88	0.94	0.0	20.0	0.0	21.3	7.8
5	1.23	5.2	1.2	27.56	2.37	1.19	0.0	20.0	0.0	26.8	9.8
6	1.23	5.6	1.2	33.04	2.84	1.42	0.0	20.0	0.0	32.0	11.8
7	1.23	6.1	1.2	38.29	3.29	1.65	0.0	20.0	0.0	37.1	13.6
8	1.23	6.5	1.2	43.29	3.72	1.86	0.0	20.0	0.0	41.8	15.4

9	1.23	7.0	1.2	48.07	4.13	2.07	0.0	20.0	0.0	46.3	17.0
10	1.23	7.5	1.2	52.6	4.52	2.26	0.0	20.0	0.0	50.6	18.6
11	1.23	7.9	1.2	56.89	4.89	2.45	0.0	20.0	0.0	54.7	20.1
12	1.23	8.4	1.2	60.95	5.24	2.62	0.0	20.0	0.0	58.4	21.5
13	1.23	8.8	1.2	64.76	5.57	2.78	0.0	20.0	0.0	62.0	22.8
14	1.23	9.3	1.2	68.34	5.88	2.94	0.0	20.0	0.0	65.3	24.0
15	1.23	9.7	1.2	71.67	6.16	3.08	0.0	20.0	0.0	68.4	25.1
16	1.23	10.2	1.2	74.76	6.43	3.21	0.0	20.0	0.0	71.3	26.2
17	1.23	10.6	1.3	77.61	6.67	3.34	0.0	20.0	0.0	73.9	27.1
18	1.23	11.1	1.3	80.21	6.9	3.45	0.0	20.0	0.0	76.2	28.0
19	1.23	11.6	1.3	82.57	7.1	3.55	0.0	20.0	0.0	78.4	28.8
20	1.23	12.0	1.3	84.67	7.28	3.64	0.0	20.0	0.0	80.3	29.5
21	1.56	12.5	1.6	110.2	9.48	4.74	0.0	20.0	0.0	104.4	38.3
22	0.9	13.0	0.9	64.32	5.53	2.77	0.0	20.0	0.0	60.9	22.4
23	1.23	13.4	1.3	88.74	7.63	3.82	0.0	20.0	0.0	83.9	30.8
24	1.23	13.9	1.3	89.23	7.67	3.84	0.0	20.0	0.0	84.3	31.0
25	1.23	14.3	1.3	89.47	7.69	3.85	0.0	20.0	0.0	84.4	31.0
26	1.23	14.8	1.3	89.45	7.69	3.85	0.0	20.0	0.0	84.3	31.0
27	1.23	15.2	1.3	89.17	7.67	3.83	0.0	20.0	0.0	84.0	30.9
28	1.23	15.7	1.3	88.63	7.62	3.81	0.0	20.0	0.0	83.5	30.7
29	1.23	16.2	1.3	87.84	7.55	3.78	0.0	20.0	0.0	82.7	30.4
30	1.23	16.6	1.3	86.78	7.46	3.73	0.0	20.0	0.0	81.6	30.0
31	1.23	17.1	1.3	85.45	7.35	3.67	0.0	20.0	0.0	80.3	29.5
32	1.23	17.6	1.3	83.86	7.21	3.61	0.0	20.0	0.0	78.8	28.9
33	1.23	18.1	1.3	82.01	7.05	3.53	0.0	20.0	0.0	77.0	28.3
34	1.23	18.5	1.3	79.88	6.87	3.43	0.0	20.0	0.0	75.0	27.6
35	1.23	19.0	1.3	77.48	6.66	3.33	0.0	20.0	0.0	72.7	26.7
36	1.23	19.5	1.3	74.8	6.43	3.22	0.0	20.0	0.0	70.2	25.8
37	1.23	20.0	1.3	71.85	6.18	3.09	0.0	20.0	0.0	67.4	24.8
38	1.23	20.4	1.3	68.62	5.9	2.95	0.0	20.0	0.0	64.4	23.7
39	1.23	20.9	1.3	65.1	5.6	2.8	0.0	20.0	0.0	61.1	22.4
40	1.23	21.4	1.3	61.3	5.27	2.64	0.0	20.0	0.0	57.6	21.1
41	1.23	21.9	1.3	57.21	4.92	2.46	0.0	20.0	0.0	53.7	19.7
42	1.23	22.4	1.3	52.83	4.54	2.27	0.0	20.0	0.0	49.6	18.2
43	1.23	22.9	1.3	48.16	4.14	2.07	0.0	20.0	0.0	45.3	16.6
44	1.23	23.3	1.3	43.19	3.71	1.86	0.0	20.0	0.0	40.6	14.9
45	1.23	23.8	1.3	37.92	3.26	1.63	0.0	20.0	0.0	35.7	13.1
46	1.23	24.3	1.3	32.34	2.78	1.39	0.0	20.0	0.0	30.4	11.2
47	1.23	24.8	1.4	26.46	2.28	1.14	0.0	20.0	0.0	24.9	9.2
48	1.23	25.3	1.4	20.27	1.74	0.87	0.0	20.0	0.0	19.1	7.0
49	0.98	25.8	1.1	11.5	0.99	0.49	0.0	20.0	0.0	10.8	4.0
50	1.48	26.3	1.7	7.15	0.62	0.31	0.0	20.0	0.0	6.8	2.5

$$x_c = 173.579 \quad y_c = 195.401 \quad R_c = 158.782 \quad F_s = 1.048$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.45	1.0	1.4	5.45	0.47	0.23	0.0	20.0	0.0	5.4	1.9
2	1.45	1.5	1.4	16.05	1.38	0.69	0.0	20.0	0.0	15.9	5.5
3	1.45	2.0	1.4	26.29	2.26	1.13	0.0	20.0	0.0	26.0	9.0
4	1.45	2.5	1.4	36.15	3.11	1.55	0.0	20.0	0.0	35.6	12.4
5	1.45	3.1	1.4	45.63	3.92	1.96	0.0	20.0	0.0	44.9	15.6
6	1.45	3.6	1.5	54.74	4.71	2.35	0.0	20.0	0.0	53.7	18.6
7	1.45	4.1	1.5	63.47	5.46	2.73	0.0	20.0	0.0	62.1	21.6



8	1.45	4.6	1.5	71.83	6.18	3.09	0.0	20.0	0.0	70.1	24.4
9	1.45	5.1	1.5	79.8	6.86	3.43	0.0	20.0	0.0	77.7	27.0
10	1.45	5.7	1.5	87.4	7.52	3.76	0.0	20.0	0.0	84.9	29.5
11	0.96	6.1	1.0	61.99	5.33	2.67	0.0	20.0	0.0	60.1	20.9
12	1.93	6.6	1.9	133.33	11.47	5.73	0.0	20.0	0.0	129.0	44.8
13	1.45	7.2	1.5	106.34	9.14	4.57	0.0	20.0	0.0	102.7	35.7
14	1.45	7.8	1.5	111.55	9.59	4.8	0.0	20.0	0.0	107.5	37.3
15	1.45	8.3	1.5	116.38	10.01	5.0	0.0	20.0	0.0	111.9	38.9
16	1.45	8.8	1.5	120.82	10.39	5.2	0.0	20.0	0.0	116.0	40.3
17	1.45	9.4	1.5	124.88	10.74	5.37	0.0	20.0	0.0	119.7	41.6
18	1.45	9.9	1.5	128.54	11.05	5.53	0.0	20.0	0.0	123.0	42.7
19	1.45	10.4	1.5	131.82	11.34	5.67	0.0	20.0	0.0	126.0	43.8
20	1.45	11.0	1.5	134.7	11.58	5.79	0.0	20.0	0.0	128.6	44.7
21	1.45	11.5	1.5	137.18	11.8	5.9	0.0	20.0	0.0	130.8	45.4
22	1.45	12.0	1.5	139.27	11.98	5.99	0.0	20.0	0.0	132.6	46.1
23	1.45	12.6	1.5	140.96	12.12	6.06	0.0	20.0	0.0	134.0	46.6
24	1.45	13.1	1.5	142.24	12.23	6.12	0.0	20.0	0.0	135.1	46.9
25	1.45	13.6	1.5	143.12	12.31	6.15	0.0	20.0	0.0	135.8	47.2
26	1.45	14.2	1.5	143.59	12.35	6.17	0.0	20.0	0.0	136.2	47.3
27	1.45	14.7	1.5	143.65	12.35	6.18	0.0	20.0	0.0	136.1	47.3
28	1.45	15.2	1.5	143.3	12.32	6.16	0.0	20.0	0.0	135.7	47.1
29	1.45	15.8	1.5	142.53	12.26	6.13	0.0	20.0	0.0	134.9	46.9
30	1.45	16.3	1.5	141.34	12.16	6.08	0.0	20.0	0.0	133.7	46.4
31	1.45	16.9	1.5	139.73	12.02	6.01	0.0	20.0	0.0	132.1	45.9
32	1.45	17.4	1.5	137.69	11.84	5.92	0.0	20.0	0.0	130.1	45.2
33	1.45	18.0	1.5	135.21	11.63	5.81	0.0	20.0	0.0	127.8	44.4
34	1.52	18.5	1.6	138.86	11.94	5.97	0.0	20.0	0.0	131.2	45.6
35	1.37	19.1	1.5	120.64	10.38	5.19	0.0	20.0	0.0	114.0	39.6
36	1.45	19.6	1.5	119.49	10.28	5.14	0.0	20.0	0.0	112.9	39.2
37	1.45	20.2	1.5	111.34	9.58	4.79	0.0	20.0	0.0	105.2	36.5
38	1.45	20.7	1.5	102.73	8.83	4.42	0.0	20.0	0.0	97.1	33.7
39	1.91	21.4	2.0	121.49	10.45	5.22	0.0	20.0	0.0	114.8	39.9
40	0.99	21.9	1.1	57.17	4.92	2.46	0.0	20.0	0.0	54.1	18.8
41	1.45	22.4	1.6	78.41	6.74	3.37	0.0	20.0	0.0	74.2	25.8
42	1.45	23.0	1.6	71.55	6.15	3.08	0.0	20.0	0.0	67.7	23.5
43	1.45	23.6	1.6	64.21	5.52	2.76	0.0	20.0	0.0	60.8	21.1
44	1.45	24.1	1.6	56.39	4.85	2.42	0.0	20.0	0.0	53.5	18.6
45	1.82	24.8	2.0	58.97	5.07	2.54	0.0	20.0	0.0	56.0	19.4
46	1.08	25.4	1.2	28.76	2.47	1.24	0.0	20.0	0.0	27.3	9.5
47	1.45	25.9	1.6	31.72	2.73	1.36	0.0	20.0	0.0	30.2	10.5
48	1.45	26.4	1.6	23.31	2.0	1.0	0.0	20.0	0.0	22.2	7.7
49	1.45	27.0	1.6	14.38	1.24	0.62	0.0	20.0	0.0	13.7	4.8
50	1.45	27.6	1.6	4.93	0.42	0.21	0.0	20.0	0.0	4.7	1.6

$$x_c = 191.021 \quad y_c = 190.251 \quad R_c = 150.614 \quad F_s = 1.052$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.63	-1.4	1.6	8.02	0.69	0.34	0.0	20.0	0.0	8.1	2.8
2	1.63	-0.8	1.6	23.63	2.03	1.02	0.0	20.0	0.0	23.7	8.2
3	1.18	-0.2	1.2	26.52	2.28	1.14	0.0	20.0	0.0	26.6	9.2
4	2.08	0.4	2.1	64.44	5.54	2.77	0.0	20.0	0.0	64.3	22.2
5	1.63	1.1	1.6	65.13	5.6	2.8	0.0	20.0	0.0	64.7	22.4
6	1.63	1.7	1.6	77.39	6.66	3.33	0.0	20.0	0.0	76.6	26.5

7	1.63	2.3	1.6	89.08	7.66	3.83	0.0	20.0	0.0	87.9	30.4
8	1.63	2.9	1.6	100.2	8.62	4.31	0.0	20.0	0.0	98.6	34.1
9	1.63	3.6	1.6	110.75	9.52	4.76	0.0	20.0	0.0	108.6	37.6
10	1.63	4.2	1.6	120.74	10.38	5.19	0.0	20.0	0.0	118.1	40.9
11	1.63	4.8	1.6	130.15	11.19	5.6	0.0	20.0	0.0	126.9	43.9
12	1.63	5.4	1.6	138.99	11.95	5.98	0.0	20.0	0.0	135.2	46.8
13	1.63	6.1	1.6	147.26	12.66	6.33	0.0	20.0	0.0	142.8	49.4
14	1.63	6.7	1.6	154.95	13.33	6.66	0.0	20.0	0.0	149.9	51.9
15	1.63	7.3	1.6	162.06	13.94	6.97	0.0	20.0	0.0	156.4	54.1
16	1.63	7.9	1.6	168.59	14.5	7.25	0.0	20.0	0.0	162.4	56.2
17	1.63	8.6	1.7	174.54	15.01	7.51	0.0	20.0	0.0	167.8	58.0
18	1.63	9.2	1.7	179.91	15.47	7.74	0.0	20.0	0.0	172.6	59.7
19	1.63	9.8	1.7	184.68	15.88	7.94	0.0	20.0	0.0	176.8	61.2
20	1.63	10.5	1.7	188.86	16.24	8.12	0.0	20.0	0.0	180.5	62.5
21	1.63	11.1	1.7	192.45	16.55	8.28	0.0	20.0	0.0	183.7	63.5
22	1.63	11.7	1.7	195.44	16.81	8.4	0.0	20.0	0.0	186.2	64.4
23	2.38	12.5	2.4	288.99	24.85	12.43	0.0	20.0	0.0	274.9	95.1
24	0.89	13.1	0.9	107.73	9.26	4.63	0.0	20.0	0.0	102.4	35.4
25	1.63	13.6	1.7	195.57	16.82	8.41	0.0	20.0	0.0	185.7	64.2
26	1.63	14.3	1.7	191.13	16.44	8.22	0.0	20.0	0.0	181.3	62.7
27	1.63	14.9	1.7	186.07	16.0	8.0	0.0	20.0	0.0	176.3	61.0
28	1.84	15.6	1.9	202.97	17.46	8.73	0.0	20.0	0.0	192.2	66.5
29	1.42	16.2	1.5	153.22	13.18	6.59	0.0	20.0	0.0	145.0	50.2
30	1.63	16.8	1.7	173.41	14.91	7.46	0.0	20.0	0.0	164.0	56.7
31	1.63	17.5	1.7	170.4	14.65	7.33	0.0	20.0	0.0	161.1	55.7
32	1.63	18.2	1.7	166.73	14.34	7.17	0.0	20.0	0.0	157.6	54.5
33	2.27	18.9	2.4	224.72	19.33	9.66	0.0	20.0	0.0	212.4	73.5
34	0.99	19.6	1.1	95.47	8.21	4.11	0.0	20.0	0.0	90.2	31.2
35	1.63	20.1	1.7	153.77	13.22	6.61	0.0	20.0	0.0	145.3	50.3
36	1.63	20.8	1.7	149.24	12.83	6.42	0.0	20.0	0.0	141.1	48.8
37	1.63	21.5	1.8	144.01	12.39	6.19	0.0	20.0	0.0	136.2	47.1
38	1.63	22.1	1.8	138.09	11.88	5.94	0.0	20.0	0.0	130.7	45.2
39	1.63	22.8	1.8	131.45	11.3	5.65	0.0	20.0	0.0	124.5	43.1
40	1.63	23.5	1.8	124.09	10.67	5.34	0.0	20.0	0.0	117.6	40.7
41	1.63	24.1	1.8	116.0	9.98	4.99	0.0	20.0	0.0	110.0	38.1
42	1.63	24.8	1.8	107.16	9.22	4.61	0.0	20.0	0.0	101.8	35.2
43	1.63	25.5	1.8	97.56	8.39	4.2	0.0	20.0	0.0	92.8	32.1
44	1.63	26.2	1.8	87.19	7.5	3.75	0.0	20.0	0.0	83.0	28.7
45	1.63	26.9	1.8	76.04	6.54	3.27	0.0	20.0	0.0	72.5	25.1
46	1.63	27.6	1.8	64.09	5.51	2.76	0.0	20.0	0.0	61.2	21.2
47	1.63	28.3	1.9	51.32	4.41	2.21	0.0	20.0	0.0	49.1	17.0
48	1.63	29.0	1.9	37.73	3.24	1.62	0.0	20.0	0.0	36.2	12.5
49	1.63	29.7	1.9	23.29	2.0	1.0	0.0	20.0	0.0	22.4	7.7
50	1.63	30.4	1.9	7.98	0.69	0.34	0.0	20.0	0.0	7.7	2.7

$$x_c = 208.464 \quad y_c = 195.401 \quad R_c = 146.912 \quad F_s = 0.984$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.87	5.8	0.9	1.18	0.1	0.05	0.0	20.0	0.0	1.1	0.4
2	1.15	6.2	1.2	5.06	0.44	0.22	0.0	20.0	0.0	4.9	1.8
3	0.59	6.5	0.6	3.78	0.33	0.16	0.0	20.0	0.0	3.7	1.4
4	0.87	6.8	0.9	6.14	0.53	0.26	0.0	20.0	0.0	5.9	2.2
5	0.87	7.1	0.9	6.75	0.58	0.29	0.0	20.0	0.0	6.5	2.4

6	0.87	7.5	0.9	7.27	0.63	0.31	0.0	20.0	0.0	7.0	2.6
7	0.87	7.8	0.9	7.71	0.66	0.33	0.0	20.0	0.0	7.4	2.7
8	0.87	8.2	0.9	8.05	0.69	0.35	0.0	20.0	0.0	7.7	2.9
9	0.87	8.5	0.9	8.3	0.71	0.36	0.0	20.0	0.0	8.0	2.9
10	0.87	8.8	0.9	8.46	0.73	0.36	0.0	20.0	0.0	8.1	3.0
11	0.94	9.2	1.0	9.22	0.79	0.4	0.0	20.0	0.0	8.8	3.3
12	0.8	9.5	0.8	8.37	0.72	0.36	0.0	20.0	0.0	8.0	3.0
13	0.87	9.9	0.9	10.25	0.88	0.44	0.0	20.0	0.0	9.8	3.6
14	0.87	10.2	0.9	11.35	0.98	0.49	0.0	20.0	0.0	10.8	4.0
15	0.87	10.6	0.9	12.36	1.06	0.53	0.0	20.0	0.0	11.8	4.4
16	0.87	10.9	0.9	13.27	1.14	0.57	0.0	20.0	0.0	12.6	4.7
17	0.87	11.3	0.9	14.1	1.21	0.61	0.0	20.0	0.0	13.4	5.0
18	0.87	11.6	0.9	14.83	1.28	0.64	0.0	20.0	0.0	14.1	5.2
19	0.87	12.0	0.9	15.46	1.33	0.66	0.0	20.0	0.0	14.7	5.4
20	0.87	12.3	0.9	16.01	1.38	0.69	0.0	20.0	0.0	15.2	5.6
21	0.83	12.6	0.9	15.73	1.35	0.68	0.0	20.0	0.0	14.9	5.5
22	0.91	13.0	0.9	17.81	1.53	0.77	0.0	20.0	0.0	16.8	6.2
23	0.87	13.3	0.9	17.86	1.54	0.77	0.0	20.0	0.0	16.9	6.2
24	0.87	13.7	0.9	18.54	1.59	0.8	0.0	20.0	0.0	17.5	6.5
25	0.87	14.0	0.9	19.13	1.65	0.82	0.0	20.0	0.0	18.0	6.7
26	0.87	14.4	0.9	19.62	1.69	0.84	0.0	20.0	0.0	18.5	6.8
27	0.87	14.7	0.9	20.01	1.72	0.86	0.0	20.0	0.0	18.9	7.0
28	0.87	15.1	0.9	20.3	1.75	0.87	0.0	20.0	0.0	19.1	7.1
29	0.87	15.4	0.9	20.5	1.76	0.88	0.0	20.0	0.0	19.3	7.1
30	0.87	15.8	0.9	20.6	1.77	0.89	0.0	20.0	0.0	19.4	7.2
31	0.87	16.2	0.9	20.6	1.77	0.89	0.0	20.0	0.0	19.4	7.2
32	0.87	16.5	0.9	20.5	1.76	0.88	0.0	20.0	0.0	19.3	7.1
33	0.87	16.9	0.9	20.3	1.75	0.87	0.0	20.0	0.0	19.1	7.1
34	0.87	17.2	0.9	20.0	1.72	0.86	0.0	20.0	0.0	18.8	7.0
35	0.87	17.6	0.9	19.6	1.69	0.84	0.0	20.0	0.0	18.4	6.8
36	0.87	17.9	0.9	19.1	1.64	0.82	0.0	20.0	0.0	17.9	6.6
37	0.87	18.3	0.9	18.49	1.59	0.8	0.0	20.0	0.0	17.4	6.4
38	0.87	18.6	0.9	17.79	1.53	0.76	0.0	20.0	0.0	16.7	6.2
39	0.87	19.0	0.9	16.97	1.46	0.73	0.0	20.0	0.0	15.9	5.9
40	0.87	19.4	0.9	16.06	1.38	0.69	0.0	20.0	0.0	15.1	5.6
41	0.87	19.7	0.9	15.04	1.29	0.65	0.0	20.0	0.0	14.1	5.2
42	0.87	20.1	0.9	13.92	1.2	0.6	0.0	20.0	0.0	13.1	4.8
43	0.87	20.4	0.9	12.69	1.09	0.55	0.0	20.0	0.0	11.9	4.4
44	0.87	20.8	0.9	11.35	0.98	0.49	0.0	20.0	0.0	10.6	3.9
45	0.87	21.2	0.9	9.91	0.85	0.43	0.0	20.0	0.0	9.3	3.4
46	0.87	21.5	0.9	8.35	0.72	0.36	0.0	20.0	0.0	7.8	2.9
47	0.87	21.9	0.9	6.69	0.58	0.29	0.0	20.0	0.0	6.3	2.3
48	0.87	22.3	0.9	4.92	0.42	0.21	0.0	20.0	0.0	4.6	1.7
49	0.87	22.6	0.9	3.03	0.26	0.13	0.0	20.0	0.0	2.8	1.1
50	0.87	23.0	0.9	1.04	0.09	0.04	0.0	20.0	0.0	1.0	0.4

$$x_c = 225.906 \quad y_c = 190.251 \quad R_c = 137.851 \quad F_s = 0.931$$

Nr.	$B$ $m$	$\text{Alfa}$ $(^\circ)$	$Li$ $m$	$Wi$ $(kN)$	$Kh \cdot Wi$ $(kN)$	$Kv \cdot Wi$ $(kN)$	$c$ $(kN/m^2)$	$Fi$ $(^\circ)$	$Ui$ $(kN)$	$N'i$ $(kN)$	$Ti$ $(kN)$
1	0.87	6.8	0.9	1.25	0.11	0.05	0.0	20.0	0.0	1.2	0.5
2	0.87	7.1	0.9	3.67	0.32	0.16	0.0	20.0	0.0	3.5	1.4
3	0.87	7.5	0.9	6.0	0.52	0.26	0.0	20.0	0.0	5.8	2.3
4	0.87	7.8	0.9	8.24	0.71	0.35	0.0	20.0	0.0	7.9	3.1

5	0.87	8.2	0.9	10.38	0.89	0.45	0.0	20.0	0.0	9.9	3.9
6	0.87	8.6	0.9	12.42	1.07	0.53	0.0	20.0	0.0	11.9	4.6
7	0.87	8.9	0.9	14.37	1.24	0.62	0.0	20.0	0.0	13.7	5.4
8	0.87	9.3	0.9	16.22	1.39	0.7	0.0	20.0	0.0	15.4	6.0
9	0.87	9.7	0.9	17.98	1.55	0.77	0.0	20.0	0.0	17.1	6.7
10	0.87	10.0	0.9	19.63	1.69	0.84	0.0	20.0	0.0	18.6	7.3
11	0.87	10.4	0.9	21.2	1.82	0.91	0.0	20.0	0.0	20.1	7.9
12	0.87	10.8	0.9	22.66	1.95	0.97	0.0	20.0	0.0	21.5	8.4
13	0.87	11.1	0.9	24.03	2.07	1.03	0.0	20.0	0.0	22.7	8.9
14	0.87	11.5	0.9	25.3	2.18	1.09	0.0	20.0	0.0	23.9	9.4
15	0.87	11.9	0.9	26.47	2.28	1.14	0.0	20.0	0.0	25.0	9.8
16	0.87	12.2	0.9	27.54	2.37	1.18	0.0	20.0	0.0	26.0	10.2
17	0.87	12.6	0.9	28.51	2.45	1.23	0.0	20.0	0.0	26.9	10.5
18	0.87	13.0	0.9	29.38	2.53	1.26	0.0	20.0	0.0	27.7	10.8
19	0.87	13.3	0.9	30.15	2.59	1.3	0.0	20.0	0.0	28.4	11.1
20	0.87	13.7	0.9	30.83	2.65	1.33	0.0	20.0	0.0	29.0	11.3
21	0.87	14.1	0.9	31.4	2.7	1.35	0.0	20.0	0.0	29.5	11.5
22	0.87	14.5	0.9	31.87	2.74	1.37	0.0	20.0	0.0	29.9	11.7
23	0.87	14.8	0.9	32.23	2.77	1.39	0.0	20.0	0.0	30.2	11.8
24	0.87	15.2	0.9	32.5	2.79	1.4	0.0	20.0	0.0	30.4	11.9
25	0.87	15.6	0.9	32.66	2.81	1.4	0.0	20.0	0.0	30.6	12.0
26	0.87	16.0	0.9	32.72	2.81	1.41	0.0	20.0	0.0	30.6	12.0
27	0.87	16.3	0.9	32.67	2.81	1.4	0.0	20.0	0.0	30.5	11.9
28	0.87	16.7	0.9	32.52	2.8	1.4	0.0	20.0	0.0	30.4	11.9
29	0.87	17.1	0.9	32.27	2.77	1.39	0.0	20.0	0.0	30.1	11.8
30	0.87	17.5	0.9	31.9	2.74	1.37	0.0	20.0	0.0	29.8	11.6
31	0.87	17.8	0.9	31.43	2.7	1.35	0.0	20.0	0.0	29.3	11.5
32	0.87	18.2	0.9	30.86	2.65	1.33	0.0	20.0	0.0	28.8	11.3
33	0.87	18.6	0.9	30.17	2.59	1.3	0.0	20.0	0.0	28.1	11.0
34	0.87	19.0	0.9	29.38	2.53	1.26	0.0	20.0	0.0	27.4	10.7
35	0.87	19.4	0.9	28.48	2.45	1.22	0.0	20.0	0.0	26.5	10.4
36	0.87	19.7	0.9	27.46	2.36	1.18	0.0	20.0	0.0	25.6	10.0
37	0.87	20.1	0.9	26.34	2.27	1.13	0.0	20.0	0.0	24.5	9.6
38	0.87	20.5	0.9	25.1	2.16	1.08	0.0	20.0	0.0	23.4	9.1
39	0.87	20.9	0.9	23.75	2.04	1.02	0.0	20.0	0.0	22.1	8.7
40	0.87	21.3	0.9	22.29	1.92	0.96	0.0	20.0	0.0	20.8	8.1
41	0.87	21.7	0.9	20.72	1.78	0.89	0.0	20.0	0.0	19.3	7.5
42	0.87	22.1	0.9	19.02	1.64	0.82	0.0	20.0	0.0	17.7	6.9
43	0.87	22.4	0.9	17.21	1.48	0.74	0.0	20.0	0.0	16.0	6.3
44	0.87	22.8	0.9	15.29	1.31	0.66	0.0	20.0	0.0	14.2	5.6
45	0.87	23.2	0.9	13.24	1.14	0.57	0.0	20.0	0.0	12.3	4.8
46	0.87	23.6	0.9	11.08	0.95	0.48	0.0	20.0	0.0	10.3	4.0
47	0.87	24.0	0.9	8.8	0.76	0.38	0.0	20.0	0.0	8.2	3.2
48	0.87	24.4	1.0	6.39	0.55	0.27	0.0	20.0	0.0	6.0	2.3
49	0.87	24.8	1.0	3.86	0.33	0.17	0.0	20.0	0.0	3.6	1.4
50	0.87	25.2	1.0	1.26	0.11	0.05	0.0	20.0	0.0	1.2	0.5

$xc = 103.81$   $yc = 205.70$   $Rc = 187.212$   $Fs=0.999$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.85	-0.4	1.9	5.99	0.52	0.26	0.0	20.0	0.0	6.0	2.2
2	1.85	0.2	1.9	17.48	1.5	0.75	0.0	20.0	0.0	17.5	6.4
3	1.85	0.8	1.9	28.3	2.43	1.22	0.0	20.0	0.0	28.2	10.3

4	1.85	1.3	1.9	38.46	3.31	1.65	0.0	20.0	0.0	38.1	13.9
5	1.85	1.9	1.9	47.95	4.12	2.06	0.0	20.0	0.0	47.4	17.3
6	1.85	2.5	1.9	56.77	4.88	2.44	0.0	20.0	0.0	55.9	20.4
7	1.85	3.0	1.9	64.93	5.58	2.79	0.0	20.0	0.0	63.8	23.2
8	1.85	3.6	1.9	72.42	6.23	3.11	0.0	20.0	0.0	70.9	25.8
9	1.85	4.2	1.9	79.23	6.81	3.41	0.0	20.0	0.0	77.4	28.2
10	1.85	4.7	1.9	85.38	7.34	3.67	0.0	20.0	0.0	83.2	30.3
11	1.85	5.3	1.9	90.85	7.81	3.91	0.0	20.0	0.0	88.3	32.2
12	2.51	6.0	2.5	130.6	11.23	5.62	0.0	20.0	0.0	126.5	46.1
13	1.2	6.5	1.2	66.39	5.71	2.85	0.0	20.0	0.0	64.1	23.4
14	1.85	7.0	1.9	111.73	9.61	4.8	0.0	20.0	0.0	107.7	39.3
15	1.85	7.6	1.9	121.93	10.49	5.24	0.0	20.0	0.0	117.3	42.7
16	1.85	8.2	1.9	131.45	11.3	5.65	0.0	20.0	0.0	126.2	46.0
17	1.85	8.7	1.9	140.27	12.06	6.03	0.0	20.0	0.0	134.4	49.0
18	1.85	9.3	1.9	148.41	12.76	6.38	0.0	20.0	0.0	141.9	51.7
19	1.85	9.9	1.9	155.86	13.4	6.7	0.0	20.0	0.0	148.8	54.2
20	1.85	10.5	1.9	162.61	13.98	6.99	0.0	20.0	0.0	154.9	56.4
21	1.85	11.0	1.9	168.66	14.5	7.25	0.0	20.0	0.0	160.4	58.4
22	1.85	11.6	1.9	174.0	14.96	7.48	0.0	20.0	0.0	165.3	60.2
23	1.85	12.2	1.9	178.63	15.36	7.68	0.0	20.0	0.0	169.4	61.7
24	1.85	12.8	1.9	182.56	15.7	7.85	0.0	20.0	0.0	172.9	63.0
25	1.85	13.4	1.9	185.76	15.98	7.99	0.0	20.0	0.0	175.7	64.0
26	1.85	13.9	1.9	188.24	16.19	8.09	0.0	20.0	0.0	177.9	64.8
27	1.85	14.5	1.9	190.0	16.34	8.17	0.0	20.0	0.0	179.3	65.3
28	1.85	15.1	1.9	191.02	16.43	8.21	0.0	20.0	0.0	180.1	65.6
29	1.85	15.7	1.9	191.3	16.45	8.23	0.0	20.0	0.0	180.3	65.7
30	1.85	16.3	1.9	190.83	16.41	8.21	0.0	20.0	0.0	179.7	65.5
31	1.85	16.9	1.9	189.61	16.31	8.15	0.0	20.0	0.0	178.4	65.0
32	1.85	17.5	1.9	187.63	16.14	8.07	0.0	20.0	0.0	176.5	64.3
33	1.85	18.1	1.9	184.88	15.9	7.95	0.0	20.0	0.0	173.8	63.3
34	1.85	18.7	2.0	181.36	15.6	7.8	0.0	20.0	0.0	170.5	62.1
35	1.85	19.3	2.0	177.06	15.23	7.61	0.0	20.0	0.0	166.4	60.6
36	1.85	19.9	2.0	171.96	14.79	7.39	0.0	20.0	0.0	161.6	58.9
37	1.85	20.5	2.0	166.06	14.28	7.14	0.0	20.0	0.0	156.0	56.8
38	1.85	21.1	2.0	159.35	13.7	6.85	0.0	20.0	0.0	149.8	54.6
39	1.85	21.7	2.0	151.83	13.06	6.53	0.0	20.0	0.0	142.7	52.0
40	1.85	22.3	2.0	143.47	12.34	6.17	0.0	20.0	0.0	134.9	49.1
41	1.85	22.9	2.0	134.27	11.55	5.77	0.0	20.0	0.0	126.3	46.0
42	1.85	23.5	2.0	124.22	10.68	5.34	0.0	20.0	0.0	116.9	42.6
43	1.85	24.2	2.0	113.31	9.74	4.87	0.0	20.0	0.0	106.7	38.9
44	1.85	24.8	2.0	101.51	8.73	4.37	0.0	20.0	0.0	95.7	34.9
45	1.85	25.4	2.1	88.84	7.64	3.82	0.0	20.0	0.0	83.8	30.5
46	1.85	26.0	2.1	75.25	6.47	3.24	0.0	20.0	0.0	71.1	25.9
47	1.85	26.7	2.1	60.75	5.22	2.61	0.0	20.0	0.0	57.5	20.9
48	2.21	27.4	2.5	52.18	4.49	2.24	0.0	20.0	0.0	49.4	18.0
49	1.5	28.0	1.7	21.62	1.86	0.93	0.0	20.0	0.0	20.5	7.5
50	1.85	28.6	2.1	9.74	0.84	0.42	0.0	20.0	0.0	9.3	3.4

$x_c = 121.252$   $y_c = 200.55$   $R_c = 176.703$   $F_s = 0.96$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.46	3.3	1.5	4.66	0.4	0.2	0.0	20.0	0.0	4.6	1.7
2	1.46	3.8	1.5	13.74	1.18	0.59	0.0	20.0	0.0	13.4	5.1

3	1.46	4.3	1.5	22.46	1.93	0.97	0.0	20.0	0.0	21.9	8.3
4	1.46	4.7	1.5	30.84	2.65	1.33	0.0	20.0	0.0	30.0	11.4
5	1.46	5.2	1.5	38.87	3.34	1.67	0.0	20.0	0.0	37.7	14.3
6	1.46	5.7	1.5	46.55	4.0	2.0	0.0	20.0	0.0	45.1	17.1
7	1.46	6.2	1.5	53.88	4.63	2.32	0.0	20.0	0.0	52.1	19.7
8	1.46	6.6	1.5	60.87	5.23	2.62	0.0	20.0	0.0	58.7	22.2
9	1.46	7.1	1.5	67.5	5.81	2.9	0.0	20.0	0.0	65.0	24.6
10	1.46	7.6	1.5	73.78	6.35	3.17	0.0	20.0	0.0	70.9	26.9
11	1.46	8.1	1.5	79.71	6.85	3.43	0.0	20.0	0.0	76.4	29.0
12	1.46	8.5	1.5	85.28	7.33	3.67	0.0	20.0	0.0	81.6	30.9
13	1.46	9.0	1.5	90.5	7.78	3.89	0.0	20.0	0.0	86.4	32.8
14	1.46	9.5	1.5	95.36	8.2	4.1	0.0	20.0	0.0	90.9	34.5
15	1.46	10.0	1.5	99.86	8.59	4.29	0.0	20.0	0.0	95.1	36.0
16	1.46	10.5	1.5	104.01	8.94	4.47	0.0	20.0	0.0	98.8	37.5
17	1.46	10.9	1.5	107.79	9.27	4.63	0.0	20.0	0.0	102.3	38.8
18	1.46	11.4	1.5	111.2	9.56	4.78	0.0	20.0	0.0	105.4	39.9
19	1.46	11.9	1.5	114.26	9.83	4.91	0.0	20.0	0.0	108.1	41.0
20	1.46	12.4	1.5	116.94	10.06	5.03	0.0	20.0	0.0	110.5	41.9
21	1.46	12.9	1.5	119.26	10.26	5.13	0.0	20.0	0.0	112.6	42.7
22	1.46	13.4	1.5	121.2	10.42	5.21	0.0	20.0	0.0	114.3	43.3
23	1.46	13.8	1.5	122.77	10.56	5.28	0.0	20.0	0.0	115.6	43.8
24	1.46	14.3	1.5	123.97	10.66	5.33	0.0	20.0	0.0	116.7	44.2
25	1.46	14.8	1.5	124.79	10.73	5.37	0.0	20.0	0.0	117.3	44.5
26	1.46	15.3	1.5	125.23	10.77	5.38	0.0	20.0	0.0	117.6	44.6
27	1.46	15.8	1.5	125.28	10.77	5.39	0.0	20.0	0.0	117.6	44.6
28	1.46	16.3	1.5	124.95	10.75	5.37	0.0	20.0	0.0	117.2	44.4
29	1.46	16.8	1.5	124.23	10.68	5.34	0.0	20.0	0.0	116.4	44.1
30	1.46	17.3	1.5	123.12	10.59	5.29	0.0	20.0	0.0	115.3	43.7
31	1.46	17.8	1.5	121.61	10.46	5.23	0.0	20.0	0.0	113.9	43.2
32	1.46	18.3	1.5	119.7	10.29	5.15	0.0	20.0	0.0	112.0	42.5
33	1.46	18.8	1.5	117.39	10.1	5.05	0.0	20.0	0.0	109.8	41.6
34	1.46	19.3	1.5	114.68	9.86	4.93	0.0	20.0	0.0	107.3	40.7
35	1.46	19.8	1.5	111.56	9.59	4.8	0.0	20.0	0.0	104.3	39.5
36	1.46	20.3	1.6	108.02	9.29	4.65	0.0	20.0	0.0	101.0	38.3
37	1.46	20.8	1.6	104.07	8.95	4.48	0.0	20.0	0.0	97.3	36.9
38	1.46	21.3	1.6	99.7	8.57	4.29	0.0	20.0	0.0	93.2	35.3
39	1.46	21.8	1.6	94.91	8.16	4.08	0.0	20.0	0.0	88.8	33.6
40	1.46	22.3	1.6	89.68	7.71	3.86	0.0	20.0	0.0	83.9	31.8
41	1.9	22.9	2.1	108.05	9.29	4.65	0.0	20.0	0.0	101.1	38.3
42	1.02	23.4	1.1	53.69	4.62	2.31	0.0	20.0	0.0	50.3	19.0
43	1.46	23.9	1.6	70.33	6.05	3.02	0.0	20.0	0.0	65.9	25.0
44	1.46	24.4	1.6	62.47	5.37	2.69	0.0	20.0	0.0	58.5	22.2
45	1.46	24.9	1.6	54.15	4.66	2.33	0.0	20.0	0.0	50.8	19.2
46	1.46	25.4	1.6	45.37	3.9	1.95	0.0	20.0	0.0	42.6	16.1
47	1.46	25.9	1.6	36.13	3.11	1.55	0.0	20.0	0.0	33.9	12.9
48	1.46	26.5	1.6	26.41	2.27	1.14	0.0	20.0	0.0	24.8	9.4
49	1.46	27.0	1.6	16.21	1.39	0.7	0.0	20.0	0.0	15.2	5.8
50	1.46	27.5	1.6	5.53	0.48	0.24	0.0	20.0	0.0	5.2	2.0

$$x_c = 138.695 \quad y_c = 205.70 \quad R_c = 175.118 \quad F_s = 0.966$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.06	6.4	1.1	1.88	0.16	0.08	0.0	20.0	0.0	1.8	0.7

2	1.06	6.7	1.1	5.53	0.48	0.24	0.0	20.0	0.0	5.3	2.0
3	1.06	7.1	1.1	9.05	0.78	0.39	0.0	20.0	0.0	8.7	3.3
4	1.06	7.4	1.1	12.43	1.07	0.53	0.0	20.0	0.0	11.9	4.5
5	1.06	7.8	1.1	15.67	1.35	0.67	0.0	20.0	0.0	15.0	5.7
6	1.06	8.1	1.1	18.78	1.61	0.81	0.0	20.0	0.0	18.0	6.8
7	1.06	8.5	1.1	21.74	1.87	0.93	0.0	20.0	0.0	20.8	7.8
8	1.06	8.8	1.1	24.57	2.11	1.06	0.0	20.0	0.0	23.5	8.9
9	1.06	9.2	1.1	27.26	2.34	1.17	0.0	20.0	0.0	26.0	9.8
10	1.06	9.5	1.1	29.81	2.56	1.28	0.0	20.0	0.0	28.4	10.7
11	1.06	9.9	1.1	32.22	2.77	1.39	0.0	20.0	0.0	30.7	11.6
12	1.06	10.2	1.1	34.49	2.97	1.48	0.0	20.0	0.0	32.8	12.4
13	1.06	10.6	1.1	36.62	3.15	1.57	0.0	20.0	0.0	34.8	13.1
14	1.06	10.9	1.1	38.61	3.32	1.66	0.0	20.0	0.0	36.7	13.8
15	1.06	11.3	1.1	40.46	3.48	1.74	0.0	20.0	0.0	38.4	14.5
16	1.06	11.6	1.1	42.16	3.63	1.81	0.0	20.0	0.0	39.9	15.1
17	1.06	12.0	1.1	43.72	3.76	1.88	0.0	20.0	0.0	41.4	15.6
18	1.06	12.3	1.1	45.14	3.88	1.94	0.0	20.0	0.0	42.7	16.1
19	1.06	12.7	1.1	46.42	3.99	2.0	0.0	20.0	0.0	43.9	16.5
20	1.06	13.1	1.1	47.55	4.09	2.04	0.0	20.0	0.0	44.9	16.9
21	1.06	13.4	1.1	48.53	4.17	2.09	0.0	20.0	0.0	45.8	17.3
22	1.06	13.8	1.1	49.37	4.25	2.12	0.0	20.0	0.0	46.5	17.5
23	1.06	14.1	1.1	50.07	4.31	2.15	0.0	20.0	0.0	47.2	17.8
24	1.06	14.5	1.1	50.61	4.35	2.18	0.0	20.0	0.0	47.6	18.0
25	1.06	14.8	1.1	51.01	4.39	2.19	0.0	20.0	0.0	48.0	18.1
26	1.06	15.2	1.1	51.27	4.41	2.2	0.0	20.0	0.0	48.2	18.2
27	1.06	15.6	1.1	51.37	4.42	2.21	0.0	20.0	0.0	48.3	18.2
28	1.06	15.9	1.1	51.32	4.41	2.21	0.0	20.0	0.0	48.2	18.2
29	1.06	16.3	1.1	51.12	4.4	2.2	0.0	20.0	0.0	48.0	18.1
30	1.06	16.6	1.1	50.77	4.37	2.18	0.0	20.0	0.0	47.6	18.0
31	1.56	17.1	1.6	73.75	6.34	3.17	0.0	20.0	0.0	69.1	26.1
32	0.56	17.5	0.6	26.08	2.24	1.12	0.0	20.0	0.0	24.4	9.2
33	1.06	17.7	1.1	48.33	4.16	2.08	0.0	20.0	0.0	45.3	17.1
34	1.06	18.1	1.1	46.9	4.03	2.02	0.0	20.0	0.0	43.9	16.6
35	1.06	18.5	1.1	45.32	3.9	1.95	0.0	20.0	0.0	42.4	16.0
36	1.06	18.8	1.1	43.58	3.75	1.87	0.0	20.0	0.0	40.8	15.4
37	1.06	19.2	1.1	41.68	3.58	1.79	0.0	20.0	0.0	39.0	14.7
38	1.06	19.6	1.1	39.62	3.41	1.7	0.0	20.0	0.0	37.1	14.0
39	1.06	19.9	1.1	37.41	3.22	1.61	0.0	20.0	0.0	35.0	13.2
40	1.06	20.3	1.1	35.03	3.01	1.51	0.0	20.0	0.0	32.8	12.4
41	1.06	20.7	1.1	32.49	2.79	1.4	0.0	20.0	0.0	30.4	11.5
42	1.06	21.1	1.1	29.78	2.56	1.28	0.0	20.0	0.0	27.9	10.5
43	1.06	21.4	1.1	26.91	2.31	1.16	0.0	20.0	0.0	25.2	9.5
44	1.06	21.8	1.1	23.88	2.05	1.03	0.0	20.0	0.0	22.3	8.4
45	1.06	22.2	1.1	20.67	1.78	0.89	0.0	20.0	0.0	19.4	7.3
46	1.06	22.6	1.1	17.3	1.49	0.74	0.0	20.0	0.0	16.2	6.1
47	1.06	22.9	1.2	13.76	1.18	0.59	0.0	20.0	0.0	12.9	4.9
48	1.06	23.3	1.2	10.04	0.86	0.43	0.0	20.0	0.0	9.4	3.5
49	1.06	23.7	1.2	6.16	0.53	0.26	0.0	20.0	0.0	5.8	2.2
50	1.06	24.1	1.2	2.1	0.18	0.09	0.0	20.0	0.0	2.0	0.7

$x_c = 156.137$   $y_c = 200.55$   $R_c = 166.95$   $F_s = 0.997$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
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1	1.27	3.5	1.3	3.49	0.3	0.15	0.0	20.0	0.0	3.4	1.2
2	1.27	3.9	1.3	10.28	0.88	0.44	0.0	20.0	0.0	10.1	3.7
3	1.27	4.4	1.3	16.84	1.45	0.72	0.0	20.0	0.0	16.4	6.0
4	1.27	4.8	1.3	23.15	1.99	1.0	0.0	20.0	0.0	22.5	8.2
5	1.27	5.2	1.3	29.22	2.51	1.26	0.0	20.0	0.0	28.4	10.4
6	1.27	5.7	1.3	35.04	3.01	1.51	0.0	20.0	0.0	34.0	12.4
7	1.27	6.1	1.3	40.62	3.49	1.75	0.0	20.0	0.0	39.3	14.4
8	1.27	6.6	1.3	45.96	3.95	1.98	0.0	20.0	0.0	44.4	16.2
9	1.27	7.0	1.3	51.05	4.39	2.2	0.0	20.0	0.0	49.2	18.0
10	1.27	7.4	1.3	55.89	4.81	2.4	0.0	20.0	0.0	53.8	19.6
11	1.27	7.9	1.3	60.49	5.2	2.6	0.0	20.0	0.0	58.1	21.2
12	1.27	8.3	1.3	64.84	5.58	2.79	0.0	20.0	0.0	62.2	22.7
13	1.27	8.8	1.3	68.94	5.93	2.96	0.0	20.0	0.0	66.0	24.1
14	1.27	9.2	1.3	72.79	6.26	3.13	0.0	20.0	0.0	69.6	25.4
15	1.27	9.6	1.3	76.39	6.57	3.28	0.0	20.0	0.0	73.0	26.6
16	1.27	10.1	1.3	79.75	6.86	3.43	0.0	20.0	0.0	76.1	27.8
17	1.27	10.5	1.3	82.84	7.12	3.56	0.0	20.0	0.0	78.9	28.8
18	1.27	11.0	1.3	85.69	7.37	3.68	0.0	20.0	0.0	81.5	29.8
19	1.27	11.4	1.3	88.28	7.59	3.8	0.0	20.0	0.0	83.9	30.6
20	1.16	11.8	1.2	82.66	7.11	3.55	0.0	20.0	0.0	78.5	28.6
21	1.38	12.3	1.4	100.27	8.62	4.31	0.0	20.0	0.0	95.1	34.7
22	1.27	12.7	1.3	93.47	8.04	4.02	0.0	20.0	0.0	88.5	32.3
23	1.27	13.2	1.3	94.37	8.12	4.06	0.0	20.0	0.0	89.3	32.6
24	1.27	13.6	1.3	95.02	8.17	4.09	0.0	20.0	0.0	89.8	32.8
25	1.27	14.1	1.3	95.39	8.2	4.1	0.0	20.0	0.0	90.1	32.9
26	1.27	14.5	1.3	95.51	8.21	4.11	0.0	20.0	0.0	90.1	32.9
27	1.27	15.0	1.3	95.36	8.2	4.1	0.0	20.0	0.0	89.9	32.8
28	1.27	15.4	1.3	94.95	8.17	4.08	0.0	20.0	0.0	89.5	32.7
29	1.27	15.9	1.3	94.26	8.11	4.05	0.0	20.0	0.0	88.8	32.4
30	1.27	16.4	1.3	93.31	8.02	4.01	0.0	20.0	0.0	87.8	32.1
31	1.27	16.8	1.3	92.08	7.92	3.96	0.0	20.0	0.0	86.6	31.6
32	1.27	17.3	1.3	90.58	7.79	3.89	0.0	20.0	0.0	85.2	31.1
33	1.27	17.7	1.3	88.8	7.64	3.82	0.0	20.0	0.0	83.5	30.5
34	1.27	18.2	1.3	86.74	7.46	3.73	0.0	20.0	0.0	81.5	29.8
35	1.27	18.6	1.3	84.4	7.26	3.63	0.0	20.0	0.0	79.3	28.9
36	1.27	19.1	1.3	81.78	7.03	3.52	0.0	20.0	0.0	76.8	28.0
37	1.27	19.6	1.3	78.88	6.78	3.39	0.0	20.0	0.0	74.1	27.0
38	1.27	20.0	1.4	75.69	6.51	3.25	0.0	20.0	0.0	71.1	26.0
39	1.27	20.5	1.4	72.2	6.21	3.1	0.0	20.0	0.0	67.8	24.8
40	1.27	21.0	1.4	68.43	5.88	2.94	0.0	20.0	0.0	64.3	23.5
41	1.27	21.4	1.4	64.36	5.53	2.77	0.0	20.0	0.0	60.5	22.1
42	1.27	21.9	1.4	59.99	5.16	2.58	0.0	20.0	0.0	56.4	20.6
43	1.27	22.4	1.4	55.32	4.76	2.38	0.0	20.0	0.0	52.0	19.0
44	1.27	22.8	1.4	50.35	4.33	2.16	0.0	20.0	0.0	47.3	17.3
45	1.27	23.3	1.4	45.06	3.88	1.94	0.0	20.0	0.0	42.4	15.5
46	1.27	23.8	1.4	39.47	3.39	1.7	0.0	20.0	0.0	37.2	13.6
47	0.72	24.2	0.8	19.65	1.69	0.84	0.0	20.0	0.0	18.5	6.8
48	1.82	24.6	2.0	38.16	3.28	1.64	0.0	20.0	0.0	36.0	13.1
49	1.27	25.2	1.4	14.95	1.29	0.64	0.0	20.0	0.0	14.1	5.1
50	1.27	25.7	1.4	5.07	0.44	0.22	0.0	20.0	0.0	4.8	1.7

$$x_c = 173.579 \quad y_c = 205.70 \quad R_c = 168.872 \quad F_s = 1.048$$

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Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
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1	1.52	1.2	1.5	5.95	0.51	0.26	0.0	20.0	0.0	5.9	2.1
2	1.52	1.7	1.5	17.53	1.51	0.75	0.0	20.0	0.0	17.4	6.0
3	1.52	2.2	1.5	28.7	2.47	1.23	0.0	20.0	0.0	28.3	9.8
4	1.52	2.7	1.5	39.46	3.39	1.7	0.0	20.0	0.0	38.9	13.5
5	1.52	3.3	1.5	49.81	4.28	2.14	0.0	20.0	0.0	48.9	17.0
6	1.52	3.8	1.5	59.75	5.14	2.57	0.0	20.0	0.0	58.5	20.3
7	1.52	4.3	1.5	69.27	5.96	2.98	0.0	20.0	0.0	67.7	23.5
8	1.52	4.8	1.5	78.38	6.74	3.37	0.0	20.0	0.0	76.4	26.6
9	1.52	5.3	1.5	87.07	7.49	3.74	0.0	20.0	0.0	84.7	29.4
10	0.94	5.7	0.9	57.75	4.97	2.48	0.0	20.0	0.0	56.1	19.5
11	2.11	6.3	2.1	139.92	12.03	6.02	0.0	20.0	0.0	135.6	47.1
12	1.52	6.9	1.5	108.86	9.36	4.68	0.0	20.0	0.0	105.2	36.6
13	1.52	7.4	1.5	114.94	9.88	4.94	0.0	20.0	0.0	110.9	38.5
14	1.52	7.9	1.5	120.59	10.37	5.19	0.0	20.0	0.0	116.1	40.3
15	1.52	8.5	1.5	125.82	10.82	5.41	0.0	20.0	0.0	121.0	42.0
16	1.52	9.0	1.5	130.62	11.23	5.62	0.0	20.0	0.0	125.4	43.6
17	1.52	9.5	1.5	135.0	11.61	5.81	0.0	20.0	0.0	129.4	44.9
18	1.52	10.0	1.5	138.96	11.95	5.98	0.0	20.0	0.0	132.9	46.2
19	1.52	10.5	1.5	142.48	12.25	6.13	0.0	20.0	0.0	136.1	47.3
20	1.52	11.1	1.6	145.57	12.52	6.26	0.0	20.0	0.0	138.9	48.3
21	1.52	11.6	1.6	148.22	12.75	6.37	0.0	20.0	0.0	141.2	49.1
22	1.52	12.1	1.6	150.44	12.94	6.47	0.0	20.0	0.0	143.2	49.7
23	1.52	12.7	1.6	152.22	13.09	6.55	0.0	20.0	0.0	144.7	50.3
24	1.52	13.2	1.6	153.55	13.21	6.6	0.0	20.0	0.0	145.8	50.7
25	1.52	13.7	1.6	154.45	13.28	6.64	0.0	20.0	0.0	146.6	50.9
26	1.52	14.3	1.6	154.89	13.32	6.66	0.0	20.0	0.0	146.8	51.0
27	1.52	14.8	1.6	154.88	13.32	6.66	0.0	20.0	0.0	146.7	51.0
28	1.52	15.3	1.6	154.42	13.28	6.64	0.0	20.0	0.0	146.2	50.8
29	1.52	15.9	1.6	153.5	13.2	6.6	0.0	20.0	0.0	145.2	50.5
30	1.52	16.4	1.6	152.12	13.08	6.54	0.0	20.0	0.0	143.9	50.0
31	1.52	16.9	1.6	150.28	12.92	6.46	0.0	20.0	0.0	142.1	49.4
32	1.27	17.4	1.3	123.22	10.6	5.3	0.0	20.0	0.0	116.4	40.5
33	1.78	18.0	1.9	166.96	14.36	7.18	0.0	20.0	0.0	157.7	54.8
34	1.52	18.6	1.6	134.67	11.58	5.79	0.0	20.0	0.0	127.2	44.2
35	1.52	19.1	1.6	126.58	10.89	5.44	0.0	20.0	0.0	119.6	41.5
36	1.52	19.7	1.6	118.0	10.15	5.07	0.0	20.0	0.0	111.5	38.7
37	1.27	20.2	1.4	91.66	7.88	3.94	0.0	20.0	0.0	86.6	30.1
38	1.77	20.7	1.9	119.35	10.26	5.13	0.0	20.0	0.0	112.8	39.2
39	1.52	21.3	1.6	95.96	8.25	4.13	0.0	20.0	0.0	90.7	31.5
40	1.52	21.9	1.6	89.39	7.69	3.84	0.0	20.0	0.0	84.5	29.4
41	1.52	22.4	1.6	82.3	7.08	3.54	0.0	20.0	0.0	77.9	27.1
42	2.25	23.1	2.4	107.46	9.24	4.62	0.0	20.0	0.0	101.8	35.4
43	0.8	23.7	0.9	34.05	2.93	1.46	0.0	20.0	0.0	32.3	11.2
44	1.52	24.1	1.7	59.52	5.12	2.56	0.0	20.0	0.0	56.4	19.6
45	1.52	24.7	1.7	51.9	4.46	2.23	0.0	20.0	0.0	49.3	17.1
46	1.52	25.3	1.7	43.74	3.76	1.88	0.0	20.0	0.0	41.5	14.4
47	1.52	25.8	1.7	35.02	3.01	1.51	0.0	20.0	0.0	33.3	11.6
48	1.52	26.4	1.7	25.73	2.21	1.11	0.0	20.0	0.0	24.5	8.5
49	1.52	27.0	1.7	15.88	1.37	0.68	0.0	20.0	0.0	15.1	5.3
50	1.52	27.6	1.7	5.44	0.47	0.23	0.0	20.0	0.0	5.2	1.8

$xc = 191.021$   $yc = 200.55$   $Rc = 160.705$   $Fs=1.044$

Nr.	B	Alfa	Li	Wi	Kh•Wi	Kv•Wi	c	Fi	Ui	N'i	Ti
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	<i>m</i>	(°)	<i>m</i>	(kN)	(kN)	(kN)	(kN/m <sup>2</sup> )	(°)	(kN)	(kN)	(kN)
1	1.71	-1.1	1.7	8.65	0.74	0.37	0.0	20.0	0.0	8.7	3.0
2	2.06	-0.4	2.1	32.78	2.82	1.41	0.0	20.0	0.0	32.9	11.5
3	1.36	0.2	1.4	34.06	2.93	1.46	0.0	20.0	0.0	34.0	11.9
4	1.71	0.8	1.7	55.79	4.8	2.4	0.0	20.0	0.0	55.5	19.4
5	1.71	1.4	1.7	69.59	5.98	2.99	0.0	20.0	0.0	69.0	24.1
6	1.71	2.0	1.7	82.78	7.12	3.56	0.0	20.0	0.0	81.8	28.5
7	1.71	2.6	1.7	95.36	8.2	4.1	0.0	20.0	0.0	94.0	32.7
8	1.71	3.2	1.7	107.33	9.23	4.61	0.0	20.0	0.0	105.4	36.7
9	1.71	3.8	1.7	118.67	10.21	5.1	0.0	20.0	0.0	116.2	40.5
10	1.71	4.4	1.7	129.4	11.13	5.56	0.0	20.0	0.0	126.4	44.0
11	1.71	5.0	1.7	139.52	12.0	6.0	0.0	20.0	0.0	135.9	47.3
12	1.71	5.7	1.7	149.01	12.81	6.41	0.0	20.0	0.0	144.7	50.4
13	1.71	6.3	1.7	157.88	13.58	6.79	0.0	20.0	0.0	153.0	53.3
14	1.71	6.9	1.7	166.13	14.29	7.14	0.0	20.0	0.0	160.6	56.0
15	1.71	7.5	1.7	173.75	14.94	7.47	0.0	20.0	0.0	167.6	58.4
16	1.71	8.1	1.7	180.74	15.54	7.77	0.0	20.0	0.0	173.9	60.6
17	1.71	8.7	1.7	187.1	16.09	8.05	0.0	20.0	0.0	179.7	62.6
18	1.71	9.4	1.7	192.83	16.58	8.29	0.0	20.0	0.0	184.8	64.4
19	1.71	10.0	1.7	197.92	17.02	8.51	0.0	20.0	0.0	189.3	66.0
20	1.71	10.6	1.7	202.37	17.4	8.7	0.0	20.0	0.0	193.3	67.4
21	1.71	11.2	1.7	206.17	17.73	8.87	0.0	20.0	0.0	196.6	68.5
22	1.66	11.8	1.7	203.21	17.48	8.74	0.0	20.0	0.0	193.5	67.4
23	1.76	12.5	1.8	215.03	18.49	9.25	0.0	20.0	0.0	204.5	71.3
24	1.71	13.1	1.8	205.27	17.65	8.83	0.0	20.0	0.0	195.0	67.9
25	1.71	13.7	1.8	200.97	17.28	8.64	0.0	20.0	0.0	190.6	66.4
26	2.44	14.5	2.5	277.28	23.85	11.92	0.0	20.0	0.0	262.7	91.6
27	0.99	15.1	1.0	109.92	9.45	4.73	0.0	20.0	0.0	104.1	36.3
28	1.71	15.6	1.8	189.46	16.29	8.15	0.0	20.0	0.0	179.3	62.5
29	1.71	16.2	1.8	187.5	16.12	8.06	0.0	20.0	0.0	177.3	61.8
30	1.71	16.9	1.8	184.85	15.9	7.95	0.0	20.0	0.0	174.7	60.9
31	2.47	17.7	2.6	260.37	22.39	11.2	0.0	20.0	0.0	246.0	85.7
32	0.96	18.3	1.0	98.92	8.51	4.25	0.0	20.0	0.0	93.4	32.6
33	1.71	18.8	1.8	174.79	15.03	7.52	0.0	20.0	0.0	165.1	57.5
34	1.71	19.5	1.8	171.3	14.73	7.37	0.0	20.0	0.0	161.8	56.4
35	1.71	20.1	1.8	167.08	14.37	7.18	0.0	20.0	0.0	157.8	55.0
36	1.71	20.8	1.8	162.12	13.94	6.97	0.0	20.0	0.0	153.1	53.4
37	1.71	21.4	1.8	156.41	13.45	6.73	0.0	20.0	0.0	147.8	51.5
38	1.71	22.1	1.8	149.94	12.9	6.45	0.0	20.0	0.0	141.8	49.4
39	1.71	22.7	1.9	142.71	12.27	6.14	0.0	20.0	0.0	135.0	47.0
40	1.71	23.4	1.9	134.69	11.58	5.79	0.0	20.0	0.0	127.5	44.4
41	1.71	24.1	1.9	125.87	10.83	5.41	0.0	20.0	0.0	119.3	41.6
42	1.71	24.7	1.9	116.26	10.0	5.0	0.0	20.0	0.0	110.3	38.4
43	1.71	25.4	1.9	105.83	9.1	4.55	0.0	20.0	0.0	100.5	35.0
44	1.71	26.1	1.9	94.56	8.13	4.07	0.0	20.0	0.0	89.9	31.3
45	1.71	26.8	1.9	82.45	7.09	3.55	0.0	20.0	0.0	78.5	27.4
46	1.71	27.5	1.9	69.48	5.97	2.99	0.0	20.0	0.0	66.3	23.1
47	1.71	28.1	1.9	55.63	4.78	2.39	0.0	20.0	0.0	53.2	18.5
48	1.71	28.8	2.0	40.89	3.52	1.76	0.0	20.0	0.0	39.2	13.6
49	1.71	29.5	2.0	25.23	2.17	1.08	0.0	20.0	0.0	24.2	8.4
50	1.71	30.2	2.0	8.65	0.74	0.37	0.0	20.0	0.0	8.3	2.9

$x_c = 208.464$   $y_c = 205.70$   $R_c = 156.977$   $F_s = 0.963$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.86	5.8	0.9	1.14	0.1	0.05	0.0	20.0	0.0	1.1	0.4
2	1.02	6.2	1.0	3.27	0.28	0.14	0.0	20.0	0.0	3.2	1.2
3	0.94	6.5	0.9	3.95	0.34	0.17	0.0	20.0	0.0	3.8	1.4
4	0.94	6.9	0.9	4.74	0.41	0.2	0.0	20.0	0.0	4.6	1.7
5	0.94	7.2	0.9	5.43	0.47	0.23	0.0	20.0	0.0	5.2	2.0
6	0.94	7.6	0.9	6.01	0.52	0.26	0.0	20.0	0.0	5.8	2.2
7	0.94	7.9	0.9	6.49	0.56	0.28	0.0	20.0	0.0	6.2	2.4
8	0.94	8.3	0.9	6.86	0.59	0.29	0.0	20.0	0.0	6.6	2.5
9	0.97	8.6	1.0	7.41	0.64	0.32	0.0	20.0	0.0	7.1	2.7
10	0.9	8.9	0.9	7.7	0.66	0.33	0.0	20.0	0.0	7.4	2.8
11	0.94	9.3	1.0	9.55	0.82	0.41	0.0	20.0	0.0	9.1	3.4
12	0.94	9.6	1.0	11.01	0.95	0.47	0.0	20.0	0.0	10.5	4.0
13	0.94	10.0	1.0	12.37	1.06	0.53	0.0	20.0	0.0	11.8	4.5
14	0.94	10.3	1.0	13.61	1.17	0.59	0.0	20.0	0.0	12.9	4.9
15	0.94	10.7	1.0	14.75	1.27	0.63	0.0	20.0	0.0	14.0	5.3
16	0.94	11.0	1.0	15.78	1.36	0.68	0.0	20.0	0.0	15.0	5.7
17	0.94	11.4	1.0	16.7	1.44	0.72	0.0	20.0	0.0	15.8	6.0
18	1.13	11.8	1.1	21.09	1.81	0.91	0.0	20.0	0.0	20.0	7.5
19	0.75	12.1	0.8	14.82	1.27	0.64	0.0	20.0	0.0	14.0	5.3
20	0.94	12.4	1.0	19.58	1.68	0.84	0.0	20.0	0.0	18.5	7.0
21	0.94	12.8	1.0	20.66	1.78	0.89	0.0	20.0	0.0	19.5	7.4
22	0.94	13.1	1.0	21.63	1.86	0.93	0.0	20.0	0.0	20.4	7.7
23	0.94	13.5	1.0	22.49	1.93	0.97	0.0	20.0	0.0	21.2	8.0
24	0.94	13.8	1.0	23.24	2.0	1.0	0.0	20.0	0.0	21.9	8.3
25	0.94	14.2	1.0	23.87	2.05	1.03	0.0	20.0	0.0	22.5	8.5
26	0.94	14.5	1.0	24.39	2.1	1.05	0.0	20.0	0.0	22.9	8.7
27	0.94	14.9	1.0	24.8	2.13	1.07	0.0	20.0	0.0	23.3	8.8
28	0.94	15.3	1.0	25.09	2.16	1.08	0.0	20.0	0.0	23.6	8.9
29	0.94	15.6	1.0	25.27	2.17	1.09	0.0	20.0	0.0	23.7	9.0
30	0.94	16.0	1.0	25.33	2.18	1.09	0.0	20.0	0.0	23.8	9.0
31	0.94	16.3	1.0	25.28	2.17	1.09	0.0	20.0	0.0	23.7	9.0
32	0.94	16.7	1.0	25.1	2.16	1.08	0.0	20.0	0.0	23.5	8.9
33	0.94	17.0	1.0	24.82	2.13	1.07	0.0	20.0	0.0	23.3	8.8
34	0.94	17.4	1.0	24.41	2.1	1.05	0.0	20.0	0.0	22.9	8.6
35	0.94	17.8	1.0	23.89	2.05	1.03	0.0	20.0	0.0	22.4	8.5
36	0.94	18.1	1.0	23.24	2.0	1.0	0.0	20.0	0.0	21.8	8.2
37	0.94	18.5	1.0	22.48	1.93	0.97	0.0	20.0	0.0	21.0	8.0
38	0.94	18.8	1.0	21.59	1.86	0.93	0.0	20.0	0.0	20.2	7.6
39	0.94	19.2	1.0	20.59	1.77	0.89	0.0	20.0	0.0	19.3	7.3
40	0.94	19.6	1.0	19.46	1.67	0.84	0.0	20.0	0.0	18.2	6.9
41	0.94	19.9	1.0	18.21	1.57	0.78	0.0	20.0	0.0	17.0	6.4
42	0.94	20.3	1.0	16.83	1.45	0.72	0.0	20.0	0.0	15.7	6.0
43	0.94	20.7	1.0	15.33	1.32	0.66	0.0	20.0	0.0	14.3	5.4
44	0.94	21.0	1.0	13.71	1.18	0.59	0.0	20.0	0.0	12.8	4.8
45	0.94	21.4	1.0	11.95	1.03	0.51	0.0	20.0	0.0	11.2	4.2
46	0.94	21.8	1.0	10.07	0.87	0.43	0.0	20.0	0.0	9.4	3.6
47	0.94	22.1	1.0	8.06	0.69	0.35	0.0	20.0	0.0	7.5	2.9
48	0.94	22.5	1.0	5.92	0.51	0.25	0.0	20.0	0.0	5.5	2.1
49	0.94	22.9	1.0	3.65	0.31	0.16	0.0	20.0	0.0	3.4	1.3
50	0.94	23.2	1.0	1.25	0.11	0.05	0.0	20.0	0.0	1.2	0.4

$$x_c = 225.906 \quad y_c = 200.55 \quad R_c = 147.452 \quad F_s = 0.928$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.82	7.8	0.8	1.0	0.09	0.04	0.0	20.0	0.0	1.0	0.4
2	0.82	8.1	0.8	2.95	0.25	0.13	0.0	20.0	0.0	2.8	1.1
3	0.82	8.5	0.8	4.82	0.41	0.21	0.0	20.0	0.0	4.6	1.8
4	0.82	8.8	0.8	6.61	0.57	0.28	0.0	20.0	0.0	6.3	2.5
5	0.82	9.1	0.8	8.32	0.72	0.36	0.0	20.0	0.0	7.9	3.1
6	0.82	9.4	0.8	9.96	0.86	0.43	0.0	20.0	0.0	9.5	3.7
7	0.82	9.8	0.8	11.52	0.99	0.5	0.0	20.0	0.0	11.0	4.3
8	0.82	10.1	0.8	13.0	1.12	0.56	0.0	20.0	0.0	12.3	4.8
9	0.82	10.4	0.8	14.41	1.24	0.62	0.0	20.0	0.0	13.7	5.4
10	0.82	10.7	0.8	15.73	1.35	0.68	0.0	20.0	0.0	14.9	5.8
11	0.82	11.1	0.8	16.98	1.46	0.73	0.0	20.0	0.0	16.1	6.3
12	0.82	11.4	0.8	18.15	1.56	0.78	0.0	20.0	0.0	17.2	6.7
13	0.82	11.7	0.8	19.24	1.65	0.83	0.0	20.0	0.0	18.2	7.1
14	0.82	12.0	0.8	20.25	1.74	0.87	0.0	20.0	0.0	19.1	7.5
15	0.82	12.4	0.8	21.18	1.82	0.91	0.0	20.0	0.0	20.0	7.8
16	0.82	12.7	0.8	22.03	1.89	0.95	0.0	20.0	0.0	20.7	8.1
17	0.82	13.0	0.8	22.8	1.96	0.98	0.0	20.0	0.0	21.5	8.4
18	0.82	13.4	0.8	23.49	2.02	1.01	0.0	20.0	0.0	22.1	8.7
19	0.82	13.7	0.8	24.1	2.07	1.04	0.0	20.0	0.0	22.6	8.9
20	0.82	14.0	0.8	24.62	2.12	1.06	0.0	20.0	0.0	23.1	9.1
21	0.82	14.4	0.9	25.07	2.16	1.08	0.0	20.0	0.0	23.5	9.2
22	0.82	14.7	0.9	25.43	2.19	1.09	0.0	20.0	0.0	23.8	9.3
23	0.82	15.0	0.9	25.71	2.21	1.11	0.0	20.0	0.0	24.1	9.4
24	0.82	15.3	0.9	25.91	2.23	1.11	0.0	20.0	0.0	24.3	9.5
25	0.82	15.7	0.9	26.03	2.24	1.12	0.0	20.0	0.0	24.4	9.6
26	0.82	16.0	0.9	26.06	2.24	1.12	0.0	20.0	0.0	24.4	9.6
27	0.82	16.3	0.9	26.01	2.24	1.12	0.0	20.0	0.0	24.3	9.5
28	0.82	16.7	0.9	25.87	2.23	1.11	0.0	20.0	0.0	24.2	9.5
29	0.82	17.0	0.9	25.65	2.21	1.1	0.0	20.0	0.0	24.0	9.4
30	0.82	17.3	0.9	25.35	2.18	1.09	0.0	20.0	0.0	23.7	9.3
31	0.82	17.7	0.9	24.96	2.15	1.07	0.0	20.0	0.0	23.3	9.1
32	0.82	18.0	0.9	24.48	2.11	1.05	0.0	20.0	0.0	22.8	9.0
33	0.82	18.4	0.9	23.91	2.06	1.03	0.0	20.0	0.0	22.3	8.7
34	0.82	18.7	0.9	23.26	2.0	1.0	0.0	20.0	0.0	21.7	8.5
35	0.82	19.0	0.9	22.52	1.94	0.97	0.0	20.0	0.0	21.0	8.2
36	0.82	19.4	0.9	21.7	1.87	0.93	0.0	20.0	0.0	20.2	7.9
37	0.82	19.7	0.9	20.78	1.79	0.89	0.0	20.0	0.0	19.4	7.6
38	0.82	20.1	0.9	19.77	1.7	0.85	0.0	20.0	0.0	18.4	7.2
39	0.82	20.4	0.9	18.68	1.61	0.8	0.0	20.0	0.0	17.4	6.8
40	0.82	20.7	0.9	17.49	1.5	0.75	0.0	20.0	0.0	16.3	6.4
41	0.82	21.1	0.9	16.22	1.39	0.7	0.0	20.0	0.0	15.1	5.9
42	0.82	21.4	0.9	14.85	1.28	0.64	0.0	20.0	0.0	13.8	5.4
43	0.82	21.8	0.9	13.39	1.15	0.58	0.0	20.0	0.0	12.5	4.9
44	0.82	22.1	0.9	11.83	1.02	0.51	0.0	20.0	0.0	11.0	4.3
45	0.82	22.5	0.9	10.18	0.88	0.44	0.0	20.0	0.0	9.5	3.7
46	0.82	22.8	0.9	8.44	0.73	0.36	0.0	20.0	0.0	7.9	3.1
47	0.92	23.2	1.0	7.24	0.62	0.31	0.0	20.0	0.0	6.7	2.6
48	0.73	23.5	0.8	4.12	0.35	0.18	0.0	20.0	0.0	3.8	1.5
49	0.82	23.9	0.9	2.92	0.25	0.13	0.0	20.0	0.0	2.7	1.1
50	0.82	24.2	0.9	1.0	0.09	0.04	0.0	20.0	0.0	0.9	0.4

$$x_c = 121.252 \quad y_c = 210.85 \quad R_c = 186.908 \quad F_s = 0.963$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.54	3.3	1.5	5.25	0.45	0.23	0.0	20.0	0.0	5.1	1.9
2	1.54	3.7	1.5	15.46	1.33	0.66	0.0	20.0	0.0	15.1	5.7
3	1.54	4.2	1.5	25.28	2.17	1.09	0.0	20.0	0.0	24.7	9.3
4	1.54	4.7	1.5	34.71	2.99	1.49	0.0	20.0	0.0	33.8	12.8
5	1.54	5.2	1.5	43.76	3.76	1.88	0.0	20.0	0.0	42.5	16.1
6	1.54	5.6	1.6	52.41	4.51	2.25	0.0	20.0	0.0	50.8	19.2
7	1.54	6.1	1.6	60.67	5.22	2.61	0.0	20.0	0.0	58.7	22.2
8	1.54	6.6	1.6	68.54	5.89	2.95	0.0	20.0	0.0	66.1	25.0
9	1.54	7.1	1.6	76.02	6.54	3.27	0.0	20.0	0.0	73.2	27.7
10	1.54	7.5	1.6	83.1	7.15	3.57	0.0	20.0	0.0	79.8	30.2
11	1.54	8.0	1.6	89.79	7.72	3.86	0.0	20.0	0.0	86.1	32.5
12	1.54	8.5	1.6	96.08	8.26	4.13	0.0	20.0	0.0	92.0	34.7
13	1.54	9.0	1.6	101.98	8.77	4.38	0.0	20.0	0.0	97.4	36.8
14	1.54	9.4	1.6	107.47	9.24	4.62	0.0	20.0	0.0	102.5	38.7
15	1.54	9.9	1.6	112.56	9.68	4.84	0.0	20.0	0.0	107.2	40.5
16	1.54	10.4	1.6	117.25	10.08	5.04	0.0	20.0	0.0	111.5	42.1
17	1.54	10.9	1.6	121.53	10.45	5.23	0.0	20.0	0.0	115.4	43.6
18	1.54	11.4	1.6	125.4	10.78	5.39	0.0	20.0	0.0	118.9	44.9
19	1.54	11.9	1.6	128.87	11.08	5.54	0.0	20.0	0.0	122.0	46.1
20	1.54	12.3	1.6	131.93	11.35	5.67	0.0	20.0	0.0	124.7	47.1
21	1.54	12.8	1.6	134.57	11.57	5.79	0.0	20.0	0.0	127.1	48.0
22	1.54	13.3	1.6	136.8	11.76	5.88	0.0	20.0	0.0	129.0	48.8
23	1.54	13.8	1.6	138.6	11.92	5.96	0.0	20.0	0.0	130.6	49.4
24	1.54	14.3	1.6	139.99	12.04	6.02	0.0	20.0	0.0	131.8	49.8
25	1.54	14.8	1.6	140.95	12.12	6.06	0.0	20.0	0.0	132.6	50.1
26	1.54	15.3	1.6	141.49	12.17	6.08	0.0	20.0	0.0	133.0	50.2
27	1.54	15.8	1.6	141.6	12.18	6.09	0.0	20.0	0.0	133.0	50.2
28	1.54	16.2	1.6	141.28	12.15	6.07	0.0	20.0	0.0	132.6	50.1
29	1.54	16.7	1.6	140.52	12.08	6.04	0.0	20.0	0.0	131.8	49.8
30	1.54	17.2	1.6	139.32	11.98	5.99	0.0	20.0	0.0	130.6	49.3
31	1.54	17.7	1.6	137.68	11.84	5.92	0.0	20.0	0.0	129.0	48.7
32	1.54	18.2	1.6	135.59	11.66	5.83	0.0	20.0	0.0	127.0	48.0
33	1.54	18.7	1.6	133.06	11.44	5.72	0.0	20.0	0.0	124.5	47.1
34	1.54	19.2	1.6	130.07	11.19	5.59	0.0	20.0	0.0	121.7	46.0
35	1.54	19.7	1.6	126.62	10.89	5.44	0.0	20.0	0.0	118.5	44.8
36	1.54	20.2	1.6	122.71	10.55	5.28	0.0	20.0	0.0	114.8	43.4
37	1.54	20.7	1.7	118.33	10.18	5.09	0.0	20.0	0.0	110.7	41.8
38	1.54	21.2	1.7	113.48	9.76	4.88	0.0	20.0	0.0	106.2	40.1
39	1.22	21.7	1.3	86.21	7.41	3.71	0.0	20.0	0.0	80.7	30.5
40	1.86	22.2	2.0	123.61	10.63	5.32	0.0	20.0	0.0	115.7	43.7
41	1.54	22.8	1.7	94.4	8.12	4.06	0.0	20.0	0.0	88.4	33.4
42	1.54	23.3	1.7	86.65	7.45	3.73	0.0	20.0	0.0	81.1	30.7
43	1.54	23.8	1.7	78.39	6.74	3.37	0.0	20.0	0.0	73.4	27.8
44	1.54	24.3	1.7	69.63	5.99	2.99	0.0	20.0	0.0	65.3	24.7
45	1.54	24.8	1.7	60.37	5.19	2.6	0.0	20.0	0.0	56.6	21.4
46	1.54	25.4	1.7	50.59	4.35	2.18	0.0	20.0	0.0	47.5	17.9
47	1.54	25.9	1.7	40.28	3.46	1.73	0.0	20.0	0.0	37.8	14.3
48	1.54	26.4	1.7	29.45	2.53	1.27	0.0	20.0	0.0	27.7	10.5
49	1.54	26.9	1.7	18.08	1.55	0.78	0.0	20.0	0.0	17.0	6.4
50	1.54	27.5	1.7	6.16	0.53	0.27	0.0	20.0	0.0	5.8	2.2

$$x_c = 156.137 \quad y_c = 210.85 \quad R_c = 177.04 \quad F_s = 1.006$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.31	3.6	1.3	3.68	0.32	0.16	0.0	20.0	0.0	3.6	1.3
2	1.31	4.0	1.3	10.85	0.93	0.47	0.0	20.0	0.0	10.6	3.8
3	1.31	4.4	1.3	17.78	1.53	0.76	0.0	20.0	0.0	17.3	6.3
4	1.31	4.9	1.3	24.45	2.1	1.05	0.0	20.0	0.0	23.8	8.6
5	1.31	5.3	1.3	30.87	2.65	1.33	0.0	20.0	0.0	30.0	10.9
6	1.31	5.7	1.3	37.04	3.19	1.59	0.0	20.0	0.0	35.9	13.0
7	1.31	6.1	1.3	42.96	3.69	1.85	0.0	20.0	0.0	41.6	15.0
8	1.31	6.6	1.3	48.62	4.18	2.09	0.0	20.0	0.0	47.0	17.0
9	1.31	7.0	1.3	54.03	4.65	2.32	0.0	20.0	0.0	52.1	18.9
10	1.31	7.4	1.3	59.19	5.09	2.55	0.0	20.0	0.0	57.0	20.6
11	1.31	7.8	1.3	64.09	5.51	2.76	0.0	20.0	0.0	61.6	22.3
12	1.31	8.3	1.3	68.74	5.91	2.96	0.0	20.0	0.0	66.0	23.9
13	1.31	8.7	1.3	73.13	6.29	3.14	0.0	20.0	0.0	70.1	25.4
14	1.31	9.1	1.3	77.26	6.64	3.32	0.0	20.0	0.0	73.9	26.8
15	1.31	9.6	1.3	81.13	6.98	3.49	0.0	20.0	0.0	77.6	28.1
16	1.31	10.0	1.3	84.75	7.29	3.64	0.0	20.0	0.0	80.9	29.3
17	1.31	10.4	1.3	88.1	7.58	3.79	0.0	20.0	0.0	84.0	30.4
18	1.31	10.8	1.3	91.2	7.84	3.92	0.0	20.0	0.0	86.8	31.4
19	0.86	11.2	0.9	61.42	5.28	2.64	0.0	20.0	0.0	58.4	21.1
20	1.76	11.6	1.8	128.58	11.06	5.53	0.0	20.0	0.0	122.2	44.2
21	1.31	12.1	1.3	97.61	8.39	4.2	0.0	20.0	0.0	92.6	33.5
22	1.31	12.6	1.3	98.94	8.51	4.25	0.0	20.0	0.0	93.8	33.9
23	1.31	13.0	1.3	100.01	8.6	4.3	0.0	20.0	0.0	94.7	34.3
24	1.31	13.4	1.3	100.81	8.67	4.33	0.0	20.0	0.0	95.4	34.5
25	1.31	13.9	1.3	101.34	8.72	4.36	0.0	20.0	0.0	95.8	34.7
26	1.31	14.3	1.4	101.6	8.74	4.37	0.0	20.0	0.0	96.0	34.7
27	1.31	14.8	1.4	101.59	8.74	4.37	0.0	20.0	0.0	95.9	34.7
28	1.31	15.2	1.4	101.3	8.71	4.36	0.0	20.0	0.0	95.6	34.6
29	1.31	15.6	1.4	100.73	8.66	4.33	0.0	20.0	0.0	95.0	34.4
30	1.31	16.1	1.4	99.89	8.59	4.3	0.0	20.0	0.0	94.1	34.1
31	1.31	16.5	1.4	98.76	8.49	4.25	0.0	20.0	0.0	93.0	33.7
32	1.31	17.0	1.4	97.36	8.37	4.19	0.0	20.0	0.0	91.7	33.2
33	1.31	17.4	1.4	95.67	8.23	4.11	0.0	20.0	0.0	90.0	32.6
34	1.31	17.8	1.4	93.69	8.06	4.03	0.0	20.0	0.0	88.2	31.9
35	1.31	18.3	1.4	91.43	7.86	3.93	0.0	20.0	0.0	86.0	31.1
36	1.31	18.7	1.4	88.87	7.64	3.82	0.0	20.0	0.0	83.6	30.2
37	1.31	19.2	1.4	86.02	7.4	3.7	0.0	20.0	0.0	80.9	29.3
38	1.31	19.6	1.4	82.88	7.13	3.56	0.0	20.0	0.0	77.9	28.2
39	1.31	20.1	1.4	79.44	6.83	3.42	0.0	20.0	0.0	74.7	27.0
40	1.31	20.5	1.4	75.7	6.51	3.26	0.0	20.0	0.0	71.2	25.8
41	1.31	21.0	1.4	71.66	6.16	3.08	0.0	20.0	0.0	67.4	24.4
42	1.31	21.4	1.4	67.31	5.79	2.89	0.0	20.0	0.0	63.3	22.9
43	1.31	21.9	1.4	62.66	5.39	2.69	0.0	20.0	0.0	59.0	21.3
44	1.31	22.4	1.4	57.69	4.96	2.48	0.0	20.0	0.0	54.3	19.6
45	0.67	22.7	0.7	27.4	2.36	1.18	0.0	20.0	0.0	25.8	9.3
46	1.95	23.2	2.1	68.29	5.87	2.94	0.0	20.0	0.0	64.3	23.3
47	1.31	23.7	1.4	34.51	2.97	1.48	0.0	20.0	0.0	32.5	11.8
48	1.31	24.2	1.4	25.06	2.16	1.08	0.0	20.0	0.0	23.6	8.6
49	1.31	24.7	1.4	15.29	1.31	0.66	0.0	20.0	0.0	14.4	5.2
50	1.31	25.1	1.4	5.18	0.45	0.22	0.0	20.0	0.0	4.9	1.8

$x_c = 191.021$   $y_c = 210.85$   $R_c = 170.795$   $F_s = 1.037$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	1.79	-0.8	1.8	9.3	0.8	0.4	0.0	20.0	0.0	9.3	3.3
2	1.3	-0.2	1.3	18.08	1.56	0.78	0.0	20.0	0.0	18.1	6.4
3	2.29	0.4	2.3	53.14	4.57	2.28	0.0	20.0	0.0	53.0	18.6
4	1.79	1.0	1.8	59.32	5.1	2.55	0.0	20.0	0.0	59.0	20.7
5	1.79	1.6	1.8	74.14	6.38	3.19	0.0	20.0	0.0	73.4	25.8
6	1.79	2.2	1.8	88.29	7.59	3.8	0.0	20.0	0.0	87.2	30.6
7	1.79	2.9	1.8	101.78	8.75	4.38	0.0	20.0	0.0	100.2	35.1
8	1.79	3.5	1.8	114.61	9.86	4.93	0.0	20.0	0.0	112.4	39.5
9	1.79	4.1	1.8	126.78	10.9	5.45	0.0	20.0	0.0	124.0	43.5
10	1.79	4.7	1.8	138.27	11.89	5.95	0.0	20.0	0.0	134.9	47.3
11	1.79	5.3	1.8	149.11	12.82	6.41	0.0	20.0	0.0	145.0	50.9
12	1.79	5.9	1.8	159.27	13.7	6.85	0.0	20.0	0.0	154.5	54.2
13	1.79	6.5	1.8	168.76	14.51	7.26	0.0	20.0	0.0	163.3	57.3
14	1.79	7.1	1.8	177.58	15.27	7.64	0.0	20.0	0.0	171.5	60.2
15	1.79	7.7	1.8	185.72	15.97	7.99	0.0	20.0	0.0	178.9	62.8
16	1.79	8.3	1.8	193.19	16.61	8.31	0.0	20.0	0.0	185.7	65.2
17	1.79	8.9	1.8	199.97	17.2	8.6	0.0	20.0	0.0	191.9	67.3
18	1.79	9.5	1.8	206.07	17.72	8.86	0.0	20.0	0.0	197.3	69.3
19	1.79	10.1	1.8	211.48	18.19	9.09	0.0	20.0	0.0	202.2	70.9
20	1.79	10.7	1.8	216.19	18.59	9.3	0.0	20.0	0.0	206.3	72.4
21	1.1	11.2	1.1	134.56	11.57	5.79	0.0	20.0	0.0	128.3	45.0
22	2.49	11.8	2.5	303.43	26.1	13.05	0.0	20.0	0.0	288.8	101.3
23	1.79	12.6	1.8	214.81	18.47	9.24	0.0	20.0	0.0	204.1	71.6
24	1.79	13.2	1.8	210.71	18.12	9.06	0.0	20.0	0.0	200.0	70.2
25	1.55	13.8	1.6	178.94	15.39	7.69	0.0	20.0	0.0	169.6	59.5
26	2.03	14.4	2.1	230.86	19.85	9.93	0.0	20.0	0.0	218.7	76.7
27	1.79	15.0	1.9	203.12	17.47	8.73	0.0	20.0	0.0	192.2	67.4
28	1.79	15.7	1.9	201.66	17.34	8.67	0.0	20.0	0.0	190.7	66.9
29	1.79	16.3	1.9	199.45	17.15	8.58	0.0	20.0	0.0	188.5	66.1
30	1.19	16.8	1.2	130.68	11.24	5.62	0.0	20.0	0.0	123.4	43.3
31	2.4	17.4	2.5	260.6	22.41	11.21	0.0	20.0	0.0	246.0	86.3
32	1.79	18.2	1.9	192.36	16.54	8.27	0.0	20.0	0.0	181.5	63.7
33	1.79	18.8	1.9	189.32	16.28	8.14	0.0	20.0	0.0	178.6	62.7
34	1.79	19.5	1.9	185.5	15.95	7.98	0.0	20.0	0.0	175.0	61.4
35	1.79	20.1	1.9	180.89	15.56	7.78	0.0	20.0	0.0	170.7	59.9
36	1.79	20.7	1.9	175.48	15.09	7.55	0.0	20.0	0.0	165.6	58.1
37	1.79	21.4	1.9	169.26	14.56	7.28	0.0	20.0	0.0	159.8	56.1
38	1.79	22.0	1.9	162.23	13.95	6.98	0.0	20.0	0.0	153.2	53.8
39	1.79	22.7	1.9	154.37	13.28	6.64	0.0	20.0	0.0	145.9	51.2
40	1.79	23.3	2.0	145.67	12.53	6.26	0.0	20.0	0.0	137.8	48.4
41	1.79	24.0	2.0	136.11	11.71	5.85	0.0	20.0	0.0	128.9	45.2
42	1.79	24.6	2.0	125.69	10.81	5.4	0.0	20.0	0.0	119.1	41.8
43	1.79	25.3	2.0	114.39	9.84	4.92	0.0	20.0	0.0	108.5	38.1
44	1.79	26.0	2.0	102.19	8.79	4.39	0.0	20.0	0.0	97.1	34.1
45	1.79	26.6	2.0	89.09	7.66	3.83	0.0	20.0	0.0	84.7	29.7
46	1.79	27.3	2.0	75.06	6.45	3.23	0.0	20.0	0.0	71.5	25.1
47	1.79	28.0	2.0	60.08	5.17	2.58	0.0	20.0	0.0	57.3	20.1
48	1.79	28.7	2.0	44.15	3.8	1.9	0.0	20.0	0.0	42.2	14.8
49	1.79	29.4	2.1	27.24	2.34	1.17	0.0	20.0	0.0	26.1	9.2
50	1.79	30.1	2.1	9.33	0.8	0.4	0.0	20.0	0.0	9.0	3.1

$$x_c = 225.906 \quad y_c = 210.85 \quad R_c = 157.09 \quad F_s = 0.926$$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	0.78	8.8	0.8	0.79	0.07	0.03	0.0	20.0	0.0	0.8	0.3
2	0.78	9.1	0.8	2.34	0.2	0.1	0.0	20.0	0.0	2.2	0.9
3	0.78	9.4	0.8	3.82	0.33	0.16	0.0	20.0	0.0	3.6	1.4
4	0.78	9.6	0.8	5.23	0.45	0.23	0.0	20.0	0.0	5.0	2.0
5	0.78	9.9	0.8	6.59	0.57	0.28	0.0	20.0	0.0	6.3	2.5
6	0.78	10.2	0.8	7.89	0.68	0.34	0.0	20.0	0.0	7.5	2.9
7	0.78	10.5	0.8	9.12	0.78	0.39	0.0	20.0	0.0	8.6	3.4
8	0.78	10.8	0.8	10.29	0.88	0.44	0.0	20.0	0.0	9.7	3.8
9	0.78	11.1	0.8	11.4	0.98	0.49	0.0	20.0	0.0	10.8	4.2
10	0.78	11.4	0.8	12.44	1.07	0.54	0.0	20.0	0.0	11.8	4.6
11	0.78	11.7	0.8	13.42	1.15	0.58	0.0	20.0	0.0	12.7	5.0
12	0.78	12.0	0.8	14.34	1.23	0.62	0.0	20.0	0.0	13.5	5.3
13	0.78	12.3	0.8	15.2	1.31	0.65	0.0	20.0	0.0	14.3	5.6
14	0.78	12.5	0.8	15.99	1.38	0.69	0.0	20.0	0.0	15.1	5.9
15	0.78	12.8	0.8	16.72	1.44	0.72	0.0	20.0	0.0	15.7	6.2
16	0.78	13.1	0.8	17.39	1.5	0.75	0.0	20.0	0.0	16.4	6.4
17	0.78	13.4	0.8	17.99	1.55	0.77	0.0	20.0	0.0	16.9	6.6
18	0.78	13.7	0.8	18.52	1.59	0.8	0.0	20.0	0.0	17.4	6.8
19	0.78	14.0	0.8	18.99	1.63	0.82	0.0	20.0	0.0	17.8	7.0
20	0.78	14.3	0.8	19.4	1.67	0.83	0.0	20.0	0.0	18.2	7.2
21	0.78	14.6	0.8	19.74	1.7	0.85	0.0	20.0	0.0	18.5	7.3
22	0.78	14.9	0.8	20.02	1.72	0.86	0.0	20.0	0.0	18.8	7.4
23	0.78	15.2	0.8	20.23	1.74	0.87	0.0	20.0	0.0	18.9	7.4
24	0.78	15.5	0.8	20.37	1.75	0.88	0.0	20.0	0.0	19.1	7.5
25	0.78	15.8	0.8	20.45	1.76	0.88	0.0	20.0	0.0	19.1	7.5
26	0.78	16.1	0.8	20.46	1.76	0.88	0.0	20.0	0.0	19.1	7.5
27	0.78	16.4	0.8	20.41	1.76	0.88	0.0	20.0	0.0	19.1	7.5
28	0.78	16.7	0.8	20.29	1.74	0.87	0.0	20.0	0.0	18.9	7.4
29	0.78	17.0	0.8	20.1	1.73	0.86	0.0	20.0	0.0	18.8	7.4
30	0.78	17.3	0.8	19.84	1.71	0.85	0.0	20.0	0.0	18.5	7.3
31	0.78	17.6	0.8	19.52	1.68	0.84	0.0	20.0	0.0	18.2	7.2
32	0.78	17.9	0.8	19.12	1.64	0.82	0.0	20.0	0.0	17.8	7.0
33	0.78	18.2	0.8	18.66	1.6	0.8	0.0	20.0	0.0	17.4	6.8
34	0.78	18.5	0.8	18.13	1.56	0.78	0.0	20.0	0.0	16.9	6.6
35	0.78	18.8	0.8	17.53	1.51	0.75	0.0	20.0	0.0	16.3	6.4
36	0.78	19.1	0.8	16.86	1.45	0.72	0.0	20.0	0.0	15.7	6.2
37	0.78	19.4	0.8	16.12	1.39	0.69	0.0	20.0	0.0	15.0	5.9
38	0.78	19.7	0.8	15.31	1.32	0.66	0.0	20.0	0.0	14.3	5.6
39	0.78	20.0	0.8	14.43	1.24	0.62	0.0	20.0	0.0	13.4	5.3
40	0.78	20.3	0.8	13.47	1.16	0.58	0.0	20.0	0.0	12.5	4.9
41	0.78	20.6	0.8	12.45	1.07	0.54	0.0	20.0	0.0	11.6	4.6
42	0.78	20.9	0.8	11.35	0.98	0.49	0.0	20.0	0.0	10.6	4.2
43	0.78	21.2	0.8	10.18	0.88	0.44	0.0	20.0	0.0	9.5	3.7
44	0.78	21.5	0.8	8.94	0.77	0.38	0.0	20.0	0.0	8.3	3.3
45	0.58	21.7	0.6	5.81	0.5	0.25	0.0	20.0	0.0	5.4	2.1
46	0.98	22.1	1.1	8.19	0.7	0.35	0.0	20.0	0.0	7.6	3.0
47	0.78	22.4	0.8	5.09	0.44	0.22	0.0	20.0	0.0	4.7	1.9
48	0.78	22.7	0.8	3.73	0.32	0.16	0.0	20.0	0.0	3.5	1.4
49	0.78	23.0	0.8	2.29	0.2	0.1	0.0	20.0	0.0	2.1	0.8

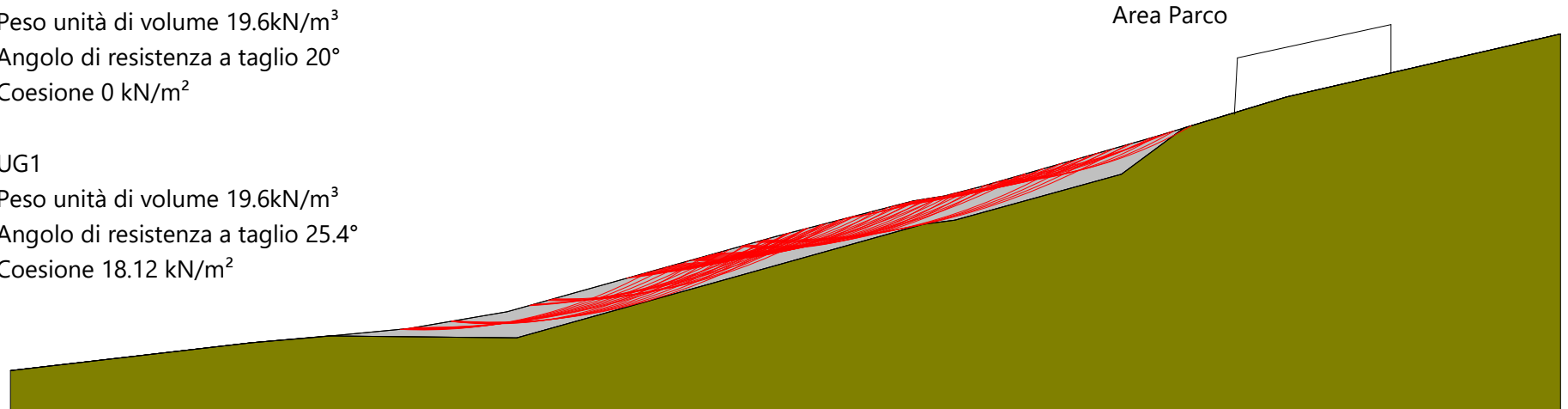


50 0.78 23.3 0.8 0.78 0.07 0.03 0.0 20.0 0.0 0.7 0.3

5.09		2.94	1.11		0.96	1.01	1.04	0.93	1.55	1.77										
5.12	3.98	2.99	2.28	1.15	1	0.96	0.97	1	1.05	1.04	0.96	0.93	1.49	1.59	1.71	2.25				
5.14	3.98	2.81	2.27	1.19	1.01	0.96	0.96	0.99	1.05	1.05	0.98	0.93	1.44	1.59	1.68	2.03				
	3.95	2.87	2.31	1.01	1.01	0.96	0.96	0.99	1.05	1.06	1.01	0.93	1.39	1.59	1.68	1.94				
5.21	3.56	2.87	2.37	1.25	1.02	0.96	0.95	0.99	1.04	1.06	1.04	0.93	1.34	1.54	1.59	1.68	1.88			
	3.53	2.91	2.49	1.33	1.03	1.13	0.95	0.98	1.03	1.06	1.08	0.94	1.18	1.54	1.59	1.66	1.83			
	2.95	2.49	1.42	1.03	0.99	0.99	0.98	0.98	1.03	1.03	1.08	0.94	1.18	1.49	1.59	1.67	1.83	2.15		
	3.51	2.97	2.56	1.51	1.05	0.99	0.98	0.98	1.02	1.03	1.13	0.94	1.07	1.49	1.59	1.67	1.83	2.15		
	3.8	2.97	2.56	1.51	1.07	0.99	0.98	0.98	1.01	1.01	1.16	0.94	1.07	1.53	1.59	1.68	1.8	2.06		
	3.47	2.99	2.63	2.25	1.09	1	0.98	0.97	1.01	1.08	1.16	0.95	0.94	1.56	1.59	1.69	1.8	2.05		
	3.14	2.63	2.3	1.09	1	0.98	0.97	0.97	1.01	1.08	1.16	0.95	0.95	1.61	1.61	1.69	1.84	2.01		
	3.71	2.82	2.42	1.12	1.01	0.98	0.98	0.97	1.01	1.08	1.15	0.96	0.95	1.5	1.6	1.71	1.88	2.01		
	3.06	2.82	2.42	1.16	1.01	1.01	0.96	0.96	1.01	1.07	1.12	0.98	1.62	1.38	1.6	1.75	1.88	2.07		
	3.43	2.8	2.42	1.16	1.01	1.4	0.96	0.96	1.01	1.07	1.12	0.98	1.63	1.38	1.64	1.75	1.95	2.07		
	3.22	2.51	2.51	1.16	1.02	1.02	1.4	0.96	1.01	1.07	1.12	1.02	1.63	1.13	1.64	1.79	1.95	2.19		

Coltre di frana  
 Peso unità di volume 19.6kN/m<sup>3</sup>  
 Angolo di resistenza a taglio 20°  
 Coesione 0 kN/m<sup>2</sup>

UG1  
 Peso unità di volume 19.6kN/m<sup>3</sup>  
 Angolo di resistenza a taglio 25.4°  
 Coesione 18.12 kN/m<sup>2</sup>



SEZIONE 3 ANTE / POST OPERAM (sup con fattore inferiore a 1.1)

**4 Analisi di stabilità dei pendii con BISHOP lungo la Sezione 4 Ante e Post operam (superficie con fattore di sicurezza inferiore minimo)**

Calcolo eseguito secondo	Utente
Numero di strati	1.0
Numero dei conci	50.0
Grado di sicurezza ritenuto accettabile	1.1
Coefficiente parziale resistenza	1.0
Analisi	Condizione drenata
Superficie di forma circolare	

**Maglia dei Centri**

Ascissa vertice sinistro inferiore xi	48.08 m
Ordinata vertice sinistro inferiore yi	118.95 m
Ascissa vertice destro superiore xs	458.49 m
Ordinata vertice destro superiore ys	233.86 m
Passo di ricerca	10.0
Numero di celle lungo x	10.0
Numero di celle lungo y	10.0

**Sisma**

Coefficiente azione sismica orizzontale	0.086
Coefficiente azione sismica verticale	0.043

**Vertici profilo**

Nr	X (m)	y (m)
1	16.67	15.11
2	32.22	16.11
3	69.81	25.11
4	86.66	27.11
5	150.16	40.11
6	157.94	41.11
7	194.23	46.11
8	203.3	46.11
9	251.26	54.11
10	325.13	75.11
11	353.64	77.11
12	419.74	96.11
13	430.11	98.11
14	452.14	105.11
15	470.29	111.11
16	487.14	114.11
17	519.54	124.11

**Coefficienti parziali azioni**

Sfavorevoli: Permanenti, variabili	1.0 1.0
Favorevoli: Permanenti, variabili	1.0 1.0

**Coefficienti parziali per i parametri geotecnici del terreno**

Tangente angolo di resistenza al taglio	1.25
Coesione efficace	1.25
Coesione non drenata	1.4
Riduzione parametri geotecnici terreno	No

Stratigrafia

Strato	Coesione (kN/m <sup>2</sup> )	Coesione non drenata (kN/m <sup>2</sup> )	Angolo resistenza al taglio (°)	Peso unità di volume (kN/m <sup>3</sup> )	Peso unità di volume saturo (kN/m <sup>3</sup> )	Litologia
1	18.12		25.4	19.6		UG1

Risultati analisi pendio [Utente]

Fs minimo individuato	1.56
Ascissa centro superficie	396.93 m
Ordinata centro superficie	228.12 m
Raggio superficie	156.83 m

$x_c = 396.926$   $y_c = 228.115$   $R_c = 156.831$   $F_s = 1.555$

Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	3.16	-15.2	3.3	55.47	4.77	2.39	18.12	25.4	0.0	74.1	60.8
2	3.16	-14.0	3.3	163.11	14.03	7.01	18.12	25.4	0.0	192.3	96.7
3	3.16	-12.9	3.2	266.42	22.91	11.46	18.12	25.4	0.0	303.0	130.3
4	3.16	-11.7	3.2	365.46	31.43	15.71	18.12	25.4	0.0	406.6	161.8
5	3.16	-10.5	3.2	460.28	39.58	19.79	18.12	25.4	0.0	503.6	191.2
6	3.16	-9.3	3.2	550.95	47.38	23.69	18.12	25.4	0.0	594.3	218.8
7	3.16	-8.2	3.2	637.49	54.82	27.41	18.12	25.4	0.0	679.1	244.6
8	3.16	-7.0	3.2	719.95	61.92	30.96	18.12	25.4	0.0	758.3	268.7
9	3.16	-5.8	3.2	798.37	68.66	34.33	18.12	25.4	0.0	832.2	291.2
10	3.16	-4.7	3.2	872.77	75.06	37.53	18.12	25.4	0.0	901.2	312.1
11	3.16	-3.5	3.2	943.17	81.11	40.56	18.12	25.4	0.0	965.3	331.7
12	3.16	-2.4	3.2	1009.6	86.83	43.41	18.12	25.4	0.0	1024.8	349.8
13	3.16	-1.2	3.2	1072.04	92.2	46.1	18.12	25.4	0.0	1079.9	366.6
14	3.16	0.0	3.2	1130.55	97.23	48.61	18.12	25.4	0.0	1130.8	382.1
15	3.16	1.1	3.2	1185.09	101.92	50.96	18.12	25.4	0.0	1177.6	396.4
16	3.16	2.3	3.2	1235.67	106.27	53.13	18.12	25.4	0.0	1220.4	409.5
17	3.16	3.4	3.2	1282.28	110.28	55.14	18.12	25.4	0.0	1259.3	421.4
18	3.16	4.6	3.2	1324.91	113.94	56.97	18.12	25.4	0.0	1294.5	432.2
19	3.16	5.7	3.2	1363.56	117.27	58.63	18.12	25.4	0.0	1326.0	441.9
20	3.16	6.9	3.2	1398.18	120.24	60.12	18.12	25.4	0.0	1353.8	450.5
21	2.36	7.9	2.4	1064.52	91.55	45.77	18.12	25.4	0.0	1027.2	341.5
22	3.96	9.1	4.0	1805.01	155.23	77.62	18.12	25.4	0.0	1735.6	576.7
23	3.16	10.4	3.2	1445.12	124.28	62.14	18.12	25.4	0.0	1384.7	460.3
24	3.24	11.6	3.3	1480.2	127.3	63.65	18.12	25.4	0.0	1414.5	470.4
25	3.09	12.8	3.2	1416.55	121.82	60.91	18.12	25.4	0.0	1350.6	449.3
26	3.16	14.0	3.3	1467.61	126.21	63.11	18.12	25.4	0.0	1396.8	464.5
27	3.16	15.2	3.3	1478.97	127.19	63.6	18.12	25.4	0.0	1405.7	467.4
28	3.16	16.4	3.3	1485.91	127.79	63.89	18.12	25.4	0.0	1410.9	469.2
29	3.16	17.6	3.3	1488.4	128.0	64.0	18.12	25.4	0.0	1412.4	469.9

30	3.16	18.8	3.3	1486.31	127.82	63.91	18.12	25.4	0.0	1410.2	469.5
31	3.13	20.0	3.3	1463.74	125.88	62.94	18.12	25.4	0.0	1389.2	463.0
32	3.2	21.2	3.4	1485.13	127.72	63.86	18.12	25.4	0.0	1410.4	470.6
33	3.16	22.5	3.4	1455.44	125.17	62.58	18.12	25.4	0.0	1383.8	462.4
34	3.16	23.8	3.5	1436.57	123.54	61.77	18.12	25.4	0.0	1368.0	458.0
35	3.16	25.0	3.5	1412.52	121.48	60.74	18.12	25.4	0.0	1347.7	452.2
36	3.16	26.3	3.5	1383.15	118.95	59.48	18.12	25.4	0.0	1322.9	445.0
37	2.29	27.4	2.6	981.2	84.38	42.19	18.12	25.4	0.0	940.7	317.3
38	4.03	28.7	4.6	1650.61	141.95	70.98	18.12	25.4	0.0	1587.3	538.3
39	3.16	30.2	3.7	1208.16	103.9	51.95	18.12	25.4	0.0	1166.0	398.7
40	3.16	31.6	3.7	1125.64	96.81	48.4	18.12	25.4	0.0	1090.1	376.1
41	3.16	33.0	3.8	1036.72	89.16	44.58	18.12	25.4	0.0	1007.6	351.6
42	3.32	34.4	4.0	986.41	84.83	42.42	18.12	25.4	0.0	962.1	340.7
43	3.0	35.8	3.7	804.66	69.2	34.6	18.12	25.4	0.0	787.5	283.6
44	3.16	37.2	4.0	765.49	65.83	32.92	18.12	25.4	0.0	751.7	275.8
45	3.16	38.7	4.1	673.21	57.9	28.95	18.12	25.4	0.0	662.5	249.5
46	3.16	40.2	4.1	572.62	49.25	24.62	18.12	25.4	0.0	563.4	220.2
47	3.16	41.7	4.2	463.15	39.83	19.92	18.12	25.4	0.0	453.0	187.7
48	3.16	43.3	4.3	344.19	29.6	14.8	18.12	25.4	0.0	330.1	151.4
49	3.16	44.9	4.5	214.98	18.49	9.24	18.12	25.4	0.0	192.9	110.9
50	3.16	46.5	4.6	74.65	6.42	3.21	18.12	25.4	0.0	39.3	65.6

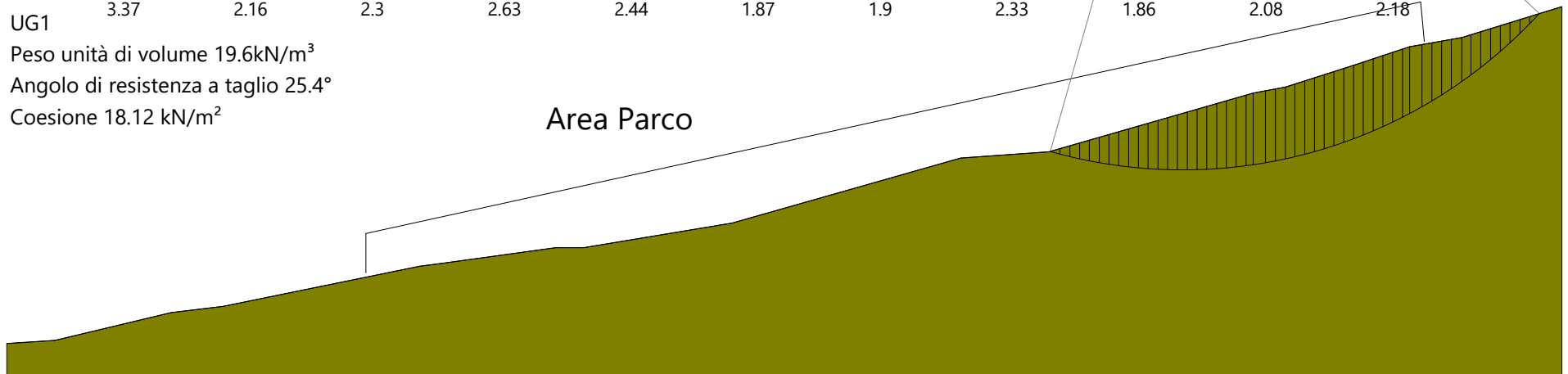
3.82		2.1	2.22	2.26	2.17	2.11	2.02	1.93	1.8	1.78	1.77	1.74	1.71	1.69	1.57	1.56	1.62	1.79	
3.91	2.08	2.1	2.18	2.23	2.26	2.1	2.05	1.95	1.81	1.76	1.78	1.75	1.73	1.73	1.59	1.57	1.6	1.71	2.81
2.41	2.07	2.13	2.19	2.27	2.24	2.14	2.09	1.97	1.82	1.75	1.79	1.77	1.76	1.72	1.6	1.58	1.6	1.73	3.01
4.04	2.07	2.09	2.21	2.26	2.24	2.24	2	1.83	1.74	1.74	1.8	1.8	1.8	1.75	1.62	1.58	1.61	1.69	2.03
2.43	2.22	2.14	2.21	2.27	2.32	2.23	2.11	2.03	1.83	1.73	1.8	1.82	1.81	1.79	1.65	1.59	1.63	1.69	1.87
4.05	2.07	2.09	2.19	2.29	2.3	2.34	2.18	2.07	1.85	1.73	1.79	1.85	1.84	1.83	1.67	1.62	1.65	1.68	1.78
2.44	2.22	2.14	2.19	2.29	2.34	2.33	2.21	2.07	1.88	1.73	1.77	1.85	1.88	1.88	1.67	1.64	1.65	1.7	1.75
3.9	2.07	2.11	2.19	2.29	2.4	2.33	2.31	2.12	1.92	1.73	1.75	1.88	1.93	1.93	1.72	1.68	1.67	1.73	1.75
2.43	2.08	2.11	2.19	2.3	2.4	2.4	2.31	2.18	1.92	1.75	1.75	1.91	2	1.93	1.72	1.68	1.72	1.73	1.8
2.43	2.08	2.12	2.19	2.3	2.42	2.35	2.25	1.96	1.78	1.73	1.73	1.94	2	1.99	1.75	1.74	1.78	1.75	1.9
2.41	2.09	2.18	2.2	2.3	2.46	2.52	2.43	2.25	2.01	1.78	1.73	1.94	2.07	2.08	2.06	1.75	1.83	1.78	1.8
2.41	2.12	2.18	2.21	2.3	2.48	2.58	2.34	2.34	2.07	1.82	1.73	1.92	2.18	2.18	2.15	1.78	1.9	1.9	2.02
3.37	2.16	2.16	2.21	2.3	2.48	2.63	2.57	2.44	2.07	1.87	1.73	1.9	2.17	2.33	2.15	1.86	1.91	1.92	2.02



UG1

Peso unità di volume 19.6kN/m<sup>3</sup>  
 Angolo di resistenza a taglio 25.4°  
 Coesione 18.12 kN/m<sup>2</sup>

Area Parco



SEZIONE 4 ANTE / POST OPERAM (sup con fattore minimo)

**5 Analisi di stabilità dei pendii con BISHOP lungo la Sezione 5 Ante e Post operam (superficie con fattore di sicurezza inferiore minimo)**

Calcolo eseguito secondo	Utente
Numero di strati	1.0
Numero dei conci	50.0
Grado di sicurezza ritenuto accettabile	1.1
Coefficiente parziale resistenza	1.0
Analisi	Condizione drenata
Superficie di forma circolare	

**Maglia dei Centri**

Ascissa vertice sinistro inferiore xi	-1.59 m
Ordinata vertice sinistro inferiore yi	137.63 m
Ascissa vertice destro superiore xs	393.26 m
Ordinata vertice destro superiore ys	260.54 m
Passo di ricerca	10.0
Numero di celle lungo x	10.0
Numero di celle lungo y	10.0

**Sisma**

Coefficiente azione sismica orizzontale	0.078
Coefficiente azione sismica verticale	0.04

**Vertici profilo**

Nr	X (m)	y (m)
1	3.01	8.73
2	19.5	9.73
3	57.55	17.73
4	113.36	37.73
5	146.34	48.73
6	172.97	54.73
7	204.68	64.73
8	251.62	75.73
9	274.45	78.73
10	320.11	91.73
11	335.33	94.73
12	375.92	106.73
13	421.58	115.73

**Coefficienti parziali azioni**

Sfavorevoli: Permanenti, variabili	1.0	1.0
Favorevoli: Permanenti, variabili	1.0	1.0

**Coefficienti parziali per i parametri geotecnici del terreno**

Tangente angolo di resistenza al taglio	1.25
Coazione efficace	1.25
Coazione non drenata	1.4

Stratigrafia

Strato	Coesione (kN/m <sup>2</sup> )	Coesione non drenata (kN/m <sup>2</sup> )	Angolo resistenza al taglio (°)	Peso unità di volume (kN/m <sup>3</sup> )	Peso unità di volume saturo (kN/m <sup>3</sup> )	Litologia
1	18.12		25.4	19.6		UG1

Risultati analisi pendio [Utente]

Fs minimo individuato	1.42
Ascissa centro superficie	57.64 m
Ordinata centro superficie	254.4 m
Raggio superficie	241.82 m

B: Larghezza del conchio; Alfa: Angolo di inclinazione della base del conchio; Li: Lunghezza della base del conchio; Wi: Peso del conchio ; Ui: Forze derivanti dalle pressioni neutre; Ni: forze agenti normalmente alla direzione di scivolamento; Ti: forze agenti parallelamente alla superficie di scivolamento; Fi: Angolo di attrito; c: coesione.


$$x_c = 57.636 \quad y_c = 254.397 \quad R_c = 241.817 \quad F_s = 1.421$$

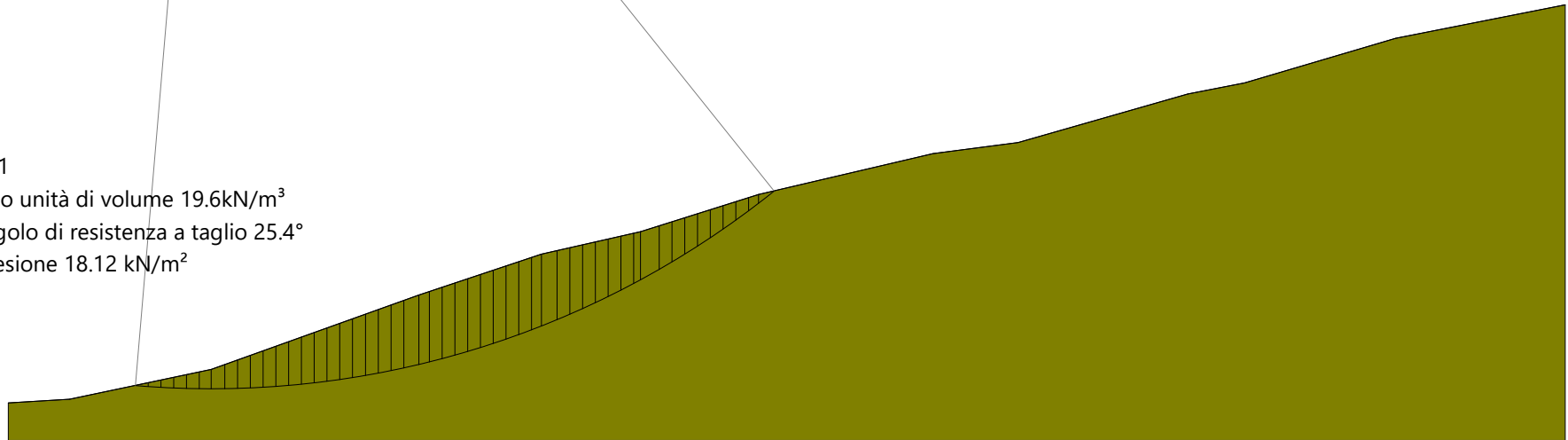
Nr.	B m	Alfa (°)	Li m	Wi (kN)	Kh•Wi (kN)	Kv•Wi (kN)	c (kN/m <sup>2</sup> )	Fi (°)	Ui (kN)	N'i (kN)	Ti (kN)
1	3.43	-4.4	3.4	33.7	2.63	1.35	18.12	25.4	0.0	38.2	56.7
2	3.43	-3.6	3.4	98.61	7.69	3.94	18.12	25.4	0.0	103.8	78.6
3	3.43	-2.8	3.4	160.21	12.5	6.41	18.12	25.4	0.0	165.3	99.1
4	3.43	-2.0	3.4	218.52	17.04	8.74	18.12	25.4	0.0	222.8	118.3
5	3.43	-1.2	3.4	273.55	21.34	10.94	18.12	25.4	0.0	276.4	136.2
6	3.2	-0.4	3.2	301.83	23.54	12.07	18.12	25.4	0.0	302.8	142.1
7	3.67	0.4	3.7	416.7	32.5	16.67	18.12	25.4	0.0	415.4	185.6
8	3.43	1.3	3.4	472.57	36.86	18.9	18.12	25.4	0.0	468.3	200.3
9	3.43	2.1	3.4	548.7	42.8	21.95	18.12	25.4	0.0	540.9	224.6
10	3.43	2.9	3.4	621.54	48.48	24.86	18.12	25.4	0.0	609.8	247.7
11	3.43	3.7	3.4	691.08	53.9	27.64	18.12	25.4	0.0	675.1	269.6
12	3.43	4.5	3.4	757.31	59.07	30.29	18.12	25.4	0.0	736.8	290.2
13	3.43	5.3	3.4	820.24	63.98	32.81	18.12	25.4	0.0	794.9	309.7
14	3.43	6.1	3.5	879.84	68.63	35.19	18.12	25.4	0.0	849.6	328.0
15	3.43	7.0	3.5	936.1	73.02	37.44	18.12	25.4	0.0	900.9	345.3
16	3.43	7.8	3.5	989.0	77.14	39.56	18.12	25.4	0.0	948.8	361.4
17	3.43	8.6	3.5	1038.53	81.01	41.54	18.12	25.4	0.0	993.4	376.3
18	3.43	9.4	3.5	1084.66	84.6	43.39	18.12	25.4	0.0	1034.7	390.3
19	3.43	10.3	3.5	1127.37	87.93	45.09	18.12	25.4	0.0	1072.7	403.1
20	3.43	11.1	3.5	1166.64	91.0	46.67	18.12	25.4	0.0	1107.5	414.8
21	3.43	11.9	3.5	1202.43	93.79	48.1	18.12	25.4	0.0	1139.1	425.5
22	4.07	12.8	4.2	1466.21	114.36	58.65	18.12	25.4	0.0	1386.1	516.6
23	2.8	13.7	2.9	1030.1	80.35	41.2	18.12	25.4	0.0	972.2	361.7
24	3.43	14.4	3.5	1281.11	99.93	51.24	18.12	25.4	0.0	1207.4	448.8
25	3.43	15.3	3.6	1296.94	101.16	51.88	18.12	25.4	0.0	1220.6	453.4
26	3.43	16.1	3.6	1309.11	102.11	52.36	18.12	25.4	0.0	1230.6	456.9
27	3.43	17.0	3.6	1317.58	102.77	52.7	18.12	25.4	0.0	1237.4	459.4
28	3.43	17.8	3.6	1322.29	103.14	52.89	18.12	25.4	0.0	1240.8	460.8



29	3.43	18.7	3.6	1323.22	103.21	52.93	18.12	25.4	0.0	1240.9	461.0
30	3.43	19.5	3.6	1320.27	102.98	52.81	18.12	25.4	0.0	1237.6	460.2
31	3.43	20.4	3.7	1313.41	102.45	52.54	18.12	25.4	0.0	1230.9	458.2
32	2.71	21.2	2.9	1027.84	80.17	41.11	18.12	25.4	0.0	963.2	359.0
33	4.16	22.1	4.5	1544.02	120.43	61.76	18.12	25.4	0.0	1446.8	540.9
34	3.43	23.0	3.7	1225.75	95.61	49.03	18.12	25.4	0.0	1148.5	431.5
35	3.43	23.9	3.8	1177.48	91.84	47.1	18.12	25.4	0.0	1103.3	416.7
36	3.43	24.8	3.8	1124.89	87.74	45.0	18.12	25.4	0.0	1054.1	400.6
37	3.43	25.7	3.8	1067.93	83.3	42.72	18.12	25.4	0.0	1000.8	383.1
38	3.43	26.6	3.8	1006.47	78.5	40.26	18.12	25.4	0.0	943.2	364.3
39	3.43	27.5	3.9	940.43	73.35	37.62	18.12	25.4	0.0	881.2	344.0
40	1.87	28.2	2.1	482.94	37.67	19.32	18.12	25.4	0.0	452.4	178.3
41	5.0	29.2	5.7	1203.12	93.84	48.12	18.12	25.4	0.0	1126.9	449.7
42	3.43	30.3	4.0	754.25	58.83	30.17	18.12	25.4	0.0	706.1	286.7
43	3.43	31.3	4.0	689.43	53.78	27.58	18.12	25.4	0.0	644.6	266.7
44	3.43	32.2	4.1	619.35	48.31	24.77	18.12	25.4	0.0	577.7	244.9
45	3.43	33.2	4.1	543.85	42.42	21.75	18.12	25.4	0.0	505.2	221.2
46	3.43	34.2	4.2	462.75	36.09	18.51	18.12	25.4	0.0	426.6	195.5
47	3.43	35.2	4.2	375.85	29.32	15.03	18.12	25.4	0.0	341.6	167.7
48	3.43	36.2	4.3	282.95	22.07	11.32	18.12	25.4	0.0	249.8	137.7
49	2.68	37.1	3.4	151.98	11.85	6.08	18.12	25.4	0.0	126.3	85.0
50	4.19	38.1	5.3	96.15	7.5	3.85	18.12	25.4	0.0	54.6	86.2

2.44	1.45	1.42	1.43	1.46	1.52	1.63	1.67	1.7	1.72	1.72	1.74	1.72	1.7	1.8	2.06	4.53
1.77	1.45	1.42	1.42	1.46	1.52	1.63	1.69	1.71	1.74	1.74	1.76	1.73	1.69	1.84	1.96	
1.86	1.45	1.42	1.42	1.46	1.51	1.64	1.7	1.73	1.76	1.76	1.78	1.74	1.7	1.73	1.89	11.83
	1.46	1.42	1.42	1.46	1.51	1.65	1.7	1.75	1.78	1.78	1.8	1.76	1.7	1.71	1.89	4.23
	1.46	1.43	1.42	1.46	1.51	1.58	1.71	1.76	1.78	1.8	1.8	1.78	1.71	1.71	1.83	2.91
	1.47	1.43	1.46	1.51	1.58	1.66	1.73	1.78	1.8	1.83	1.8	1.78	1.71	1.71	1.83	2.91
2.48	1.49	1.43	1.46	1.51	1.58	1.66	1.74	1.81	1.82	1.87	1.87	1.81	1.72	1.72	1.8	2.36
	1.49	1.43	1.46	1.52	1.58	1.66	1.74	1.81	1.82	1.87	1.87	1.84	1.74	1.74	1.79	3.5
	1.52	1.42	1.46	1.52	1.58	1.66	1.74	1.81	1.85	1.87	1.91	1.84	1.77	1.74	2.08	2.75
	1.52	1.43	1.44	1.47	1.52	1.66	1.74	1.83	1.88	1.91	1.96	1.89	1.76	1.76	1.88	2.37
5.63	1.55	1.43	1.43	1.48	1.53	1.67	1.75	1.83	1.92	1.95	2.01	1.93	1.8	1.79	1.89	2.46
10.84	1.58	1.43	1.43	1.49	1.54	1.69	1.76	1.83	1.92	2.01	2.01	1.98	1.84	1.84	1.91	2.46
	1.61	1.44	1.49	1.56	1.62	1.76	1.76	1.83	1.97	2.07	2.07	1.98	1.89	1.84	1.91	2.23
	1.61	1.43	1.49	1.56	1.62	1.71	1.76	1.83	1.97	2.09	2.07	2.03	1.89	1.93	1.91	1.94

 UG1  
 Peso unità di volume 19.6kN/m<sup>3</sup>  
 Angolo di resistenza a taglio 25.4°  
 Coesione 18.12 kN/m<sup>2</sup>



SEZIONE 5 ANTE / POST OPERAM (sup con fattore minimo)

Calcolo eseguito secondo	NTC 2018
Numero di strati	1.0
Numero dei conci	50.0
Grado di sicurezza ritenuto accettabile	1.1
Coefficiente parziale resistenza	1.0
Analisi	Condizione drenata
Superficie di forma circolare	

#### Maglia dei Centri

Ascissa vertice sinistro inferiore xi	43.77 m
Ordinata vertice sinistro inferiore yi	174.62 m
Ascissa vertice destro superiore xs	473.93 m
Ordinata vertice destro superiore ys	300.59 m
Passo di ricerca	10.0
Numero di celle lungo x	10.0
Numero di celle lungo y	10.0

#### Coefficienti sismici [N.T.C.]

##### Dati generali

Tipo opera:	
Classe d'uso:	
Vita nominale:	0.0 [anni]
Vita di riferimento:	0.0 [anni]

##### Parametri sismici su sito di riferimento

Categoria sottosuolo:	
Categoria topografica:	

S.L. Stato limite	TR Tempo ritorno [anni]	ag [m/s <sup>2</sup> ]	F0 [-]	TC* [sec]
S.L.O.	0.0	0.0	0.0	0.0
S.L.D.	0.0	0.0	0.0	0.0
S.L.V.	0.0	0.0	0.0	0.0
S.L.C.	0.0	0.0	0.0	0.0

#### Coefficienti sismici orizzontali e verticali

Opera:

S.L. Stato limite	amax [m/s <sup>2</sup> ]	beta [-]	kh [-]	kv [sec]
S.L.O.	0.0	0.0	0.0	0.0
S.L.D.	0.0	0.0	0.0	0.0
S.L.V.	0.0	0.0	0.0	0.0
S.L.C.	0.0	0.0	0.0	0.0

Coefficiente azione sismica orizzontale	0.078
Coefficiente azione sismica verticale	0.04

#### Vertici profilo

Nr	X (m)	y (m)

1	19.79	20.59
2	31.17	26.53
3	49.84	25.61
4	58.03	24.3
5	63.27	25.0
6	71.02	24.67
7	78.45	23.05
8	88.1	20.96
9	96.63	21.33
10	109.63	36.17
11	131.9	37.29
12	163.82	58.06
13	312.68	68.82
14	373.93	76.61
15	389.89	75.5
16	432.21	66.96

*Coefficienti parziali azioni*

Sfavorevoli: Permanenti, variabili 1.0 0.0  
 Favorevoli: Permanenti, variabili 1.0 0.0

*Coefficienti parziali per i parametri geotecnici del terreno*

Tangente angolo di resistenza al taglio 1.25  
 Coesione efficace 1.25  
 Coesione non drenata 1.4  
 Riduzione parametri geotecnici terreno No

*Stratigrafia*

Strato	Coesione (kN/m <sup>2</sup> )	Coesione non drenata (kN/m <sup>2</sup> )	Angolo resistenza al taglio (°)	Peso unità di volume (kN/m <sup>3</sup> )	Peso unità di volume saturo (kN/m <sup>3</sup> )	Litologia
1	18.12		25.4	19.6		UG1

*Risultati analisi pendio*

Fs minimo individuato 1.39  
 Ascissa centro superficie 86.79 m  
 Ordinata centro superficie 187.22 m  
 Raggio superficie 166.59 m


*B: Larghezza del concio; Alfa: Angolo di inclinazione della base del concio; Li: Lunghezza della base del concio; Wi: Peso del concio ; Ui: Forze derivanti dalle pressioni neutre; Ni: forze agenti normalmente alla direzione di scivolamento; Ti: forze agenti parallelamente alla superficie di scivolamento; Fi: Angolo di attrito; c: coesione.*

$xc = 86.79 \quad yc = 187.219 \quad Rc = 166.593 \quad Fs = 1.388$

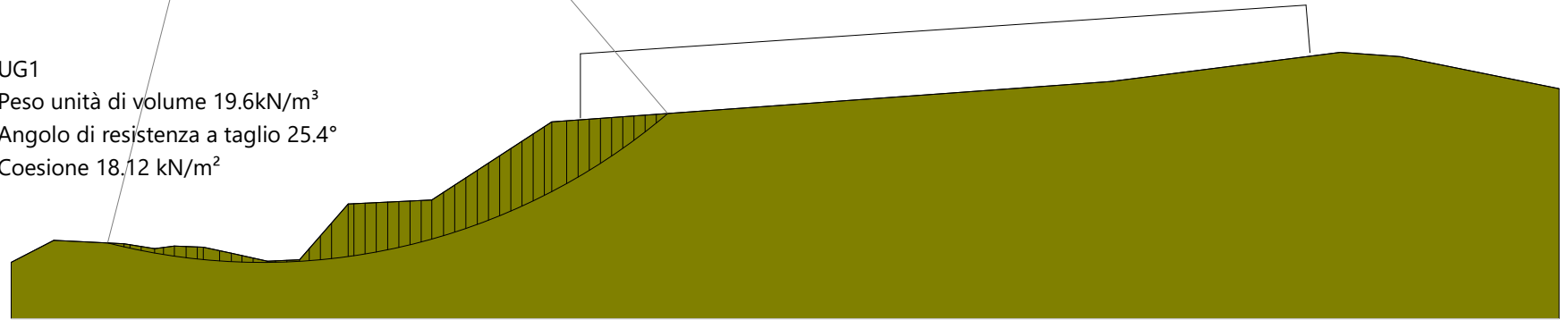
Nr.	B	Alfa	Li	Wi	Kh•Wi	Kv•Wi	c	Fi	Ui	N'i	Ti
	m	(°)	m	(kN)	(kN)	(kN)	(kN/m <sup>2</sup> )	(°)	(kN)	(kN)	(kN)

1	4.35	-13.6	4.5	36.93	2.88	1.48	18.12	25.4	0.0	56.8	77.8
2	1.62	-12.5	1.7	28.21	2.2	1.13	18.12	25.4	0.0	36.5	34.1
3	2.98	-11.7	3.0	59.36	4.63	2.37	18.12	25.4	0.0	74.1	65.1
4	3.59	-10.6	3.6	79.92	6.23	3.2	18.12	25.4	0.0	96.3	80.6
5	2.38	-9.5	2.4	71.71	5.59	2.87	18.12	25.4	0.0	82.7	59.8
6	2.86	-8.6	2.9	129.21	10.08	5.17	18.12	25.4	0.0	143.9	87.0
7	3.1	-7.6	3.1	173.52	13.53	6.94	18.12	25.4	0.0	189.1	105.6
8	2.98	-6.5	3.0	181.36	14.15	7.25	18.12	25.4	0.0	194.6	105.8
9	1.66	-5.7	1.7	105.77	8.25	4.23	18.12	25.4	0.0	112.3	60.2
10	4.31	-4.7	4.3	254.97	19.89	10.2	18.12	25.4	0.0	268.0	148.1
11	3.12	-3.4	3.1	151.13	11.79	6.05	18.12	25.4	0.0	157.0	94.5
12	2.85	-2.4	2.8	109.95	8.58	4.4	18.12	25.4	0.0	113.2	75.9
13	2.98	-1.4	3.0	84.03	6.55	3.36	18.12	25.4	0.0	85.7	68.3
14	3.81	-0.2	3.8	55.97	4.37	2.24	18.12	25.4	0.0	56.2	69.0
15	2.15	0.8	2.2	15.5	1.21	0.62	18.12	25.4	0.0	15.0	33.3
16	2.98	1.7	3.0	24.69	1.93	0.99	18.12	25.4	0.0	23.3	46.9
17	3.4	2.8	3.4	29.01	2.26	1.16	18.12	25.4	0.0	26.4	53.5
18	2.57	3.8	2.6	90.76	7.08	3.63	18.12	25.4	0.0	86.7	63.3
19	2.98	4.8	3.0	278.67	21.74	11.15	18.12	25.4	0.0	268.7	131.0
20	2.98	5.8	3.0	461.81	36.02	18.47	18.12	25.4	0.0	444.7	191.3
21	4.46	7.1	4.5	1023.88	79.86	40.96	18.12	25.4	0.0	982.6	394.7
22	1.51	8.1	1.5	412.17	32.15	16.49	18.12	25.4	0.0	394.2	154.8
23	2.98	8.9	3.0	800.2	62.42	32.01	18.12	25.4	0.0	762.8	300.3
24	2.98	10.0	3.0	779.89	60.83	31.2	18.12	25.4	0.0	740.4	292.8
25	2.98	11.0	3.0	756.31	58.99	30.25	18.12	25.4	0.0	715.2	284.3
26	2.98	12.1	3.1	729.42	56.9	29.18	18.12	25.4	0.0	687.2	274.9
27	2.98	13.1	3.1	699.19	54.54	27.97	18.12	25.4	0.0	656.3	264.5
28	2.98	14.2	3.1	665.58	51.92	26.62	18.12	25.4	0.0	622.6	253.1
29	2.86	15.2	3.0	602.35	46.98	24.09	18.12	25.4	0.0	561.5	230.7
30	3.11	16.3	3.2	671.23	52.36	26.85	18.12	25.4	0.0	624.5	255.9
31	2.98	17.4	3.1	705.74	55.05	28.23	18.12	25.4	0.0	656.5	265.3
32	2.98	18.4	3.1	762.94	59.51	30.52	18.12	25.4	0.0	709.6	283.8
33	2.98	19.5	3.2	816.49	63.69	32.66	18.12	25.4	0.0	759.5	301.1
34	2.98	20.6	3.2	866.29	67.57	34.65	18.12	25.4	0.0	806.2	317.3
35	2.98	21.7	3.2	912.28	71.16	36.49	18.12	25.4	0.0	849.5	332.5
36	2.98	22.8	3.2	954.37	74.44	38.17	18.12	25.4	0.0	889.6	346.5
37	2.98	23.9	3.3	992.46	77.41	39.7	18.12	25.4	0.0	926.3	359.4
38	2.98	25.1	3.3	1026.47	80.06	41.06	18.12	25.4	0.0	959.6	371.2
39	2.98	26.2	3.3	1056.26	82.39	42.25	18.12	25.4	0.0	989.4	381.8
40	1.96	27.2	2.2	706.11	55.08	28.24	18.12	25.4	0.0	662.6	255.3
41	4.01	28.3	4.6	1387.18	108.2	55.49	18.12	25.4	0.0	1303.5	505.3
42	2.98	29.7	3.4	932.85	72.76	37.31	18.12	25.4	0.0	877.2	344.9
43	2.98	30.9	3.5	843.51	65.79	33.74	18.12	25.4	0.0	793.4	316.8
44	2.98	32.1	3.5	749.21	58.44	29.97	18.12	25.4	0.0	704.4	286.9
45	2.98	33.3	3.6	649.77	50.68	25.99	18.12	25.4	0.0	609.8	255.2
46	2.98	34.6	3.6	544.98	42.51	21.8	18.12	25.4	0.0	509.2	221.4
47	2.98	35.8	3.7	434.58	33.9	17.38	18.12	25.4	0.0	402.0	185.5
48	2.98	37.1	3.7	318.33	24.83	12.73	18.12	25.4	0.0	287.7	147.2
49	2.98	38.4	3.8	195.91	15.28	7.84	18.12	25.4	0.0	165.7	106.4
50	2.98	39.7	3.9	67.0	5.23	2.68	18.12	25.4	0.0	35.1	62.6

3.94	1.69	1.64	1.77	2.1	2.5	2.47	3.53	3.02	3.86	3.42	3.45						
	1.66	1.65	1.85	2.07	2.24	2.95	2.73	3.71	3.67	3.43		3.7	7.55				
	1.62	1.61	1.82	1.96	2.42	2.48	2.75	3.06	3.36	4.45	3.42	3.58	4.85	9.59			
	1.59	1.58	1.71	2.02	2.39	2.48	3.46	3.09	3.6	3.48	3.43		4.31				
3.51	1.56	1.55	1.76	1.93	2.22	2.86	2.79	3.72	3.6	3.48	3.46		4.17				
	1.54	1.52	1.67	1.91	2.21	2.49	2.82	3.42	3.42	3.52	3.53	3.63					
	1.52	1.49	1.7	1.94	2.29	2.49	3.18	3.45	3.45	3.49	3.9		4.14				
3.29	1.52	1.46	1.62	1.92	2.2	2.5	3.24	3.65	3.4	3.33	3.41		6.26				
3.18		1.43	1.6	1.87	2.19	2.82	2.9	3.77	3.54	3.41	3.35		6.09				
		1.43	1.61	1.87	2.19	2.82	2.94	3.77	3.54	3.41	3.39		4.11				
2.97	1.39	1.4	1.56	1.86	2.21	2.52	3.51	3.8	3.6	3.45	3.33		5.95	20			
	1.41				2.2	2.53	3.08	3.49	3.68	3.49	3.35		5.91	20			
													3.66				


 UG1  
 Peso unità di volume 19.6kN/m<sup>3</sup>  
 Angolo di resistenza a taglio 25.4°  
 Coesione 18.12 kN/m<sup>2</sup>

Area Parco



SEZIONE 6 ANTE / POST OPERAM (sup con fattore minimo)