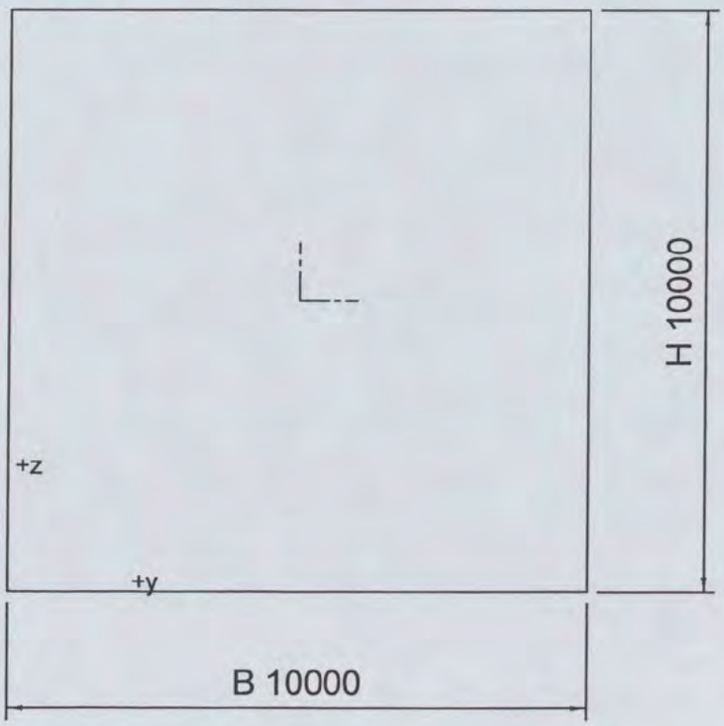
A :	8.125000e+005 mm^2		
dy :	0.00 mm	dz :	0.00 mm
Omtrek :		0.00 mm	

Controletype: A-typische doorsnede
Doorsnedenr. 19 - kopgevel breed (Numeriek)
Materiaal : 3 - B 35 aanp. E

A :	1.712500e+006 mm^2		
Ay/A :	1.000	Az/A :	1.000
Iy :	5.690000e+012 mm^4	Iz :	6.140600e+010 mm^4
Iyz :	0.000000e+000 mm^4	It :	1.000000e+012 mm^4
Iw :	1.000000e+012 mm^6		
Wely :	1.950000e+009 mm^3	Welz :	1.142600e+008 mm^3
Wply :	1.000000e+012 mm^3	Wplz :	1.000000e+012 mm^3
cy :	0.00 mm	cz :	0.00 mm
iy :	1822.81 mm	iz :	189.36 mm
dy :	0.00 mm	dz :	0.00 mm
Omtrek :		0.00 mm	

Controletype: A-typische doorsnede



REC (10000,10000)

Doorsnedenr. 20 - REC (10000,10000)
Materiaal : 3 - B 35 aanp. E

A :	1.000000e+008 mm^2		
Ay/A :	0.833	Az/A :	0.833
Iy :	8.333333e+014 mm^4	Iz :	8.333333e+014 mm^4
Iyz :	0.000000e+000 mm^4	It :	1.406000e+015 mm^4

A :	1.000000e+008 mm^2		
Iw :	0.000000e+000 mm^6		
Wely :	1.666667e+011 mm^3	Welz :	1.666667e+011 mm^3
Wply :	2.500000e+011 mm^3	Wplz :	2.500000e+011 mm^3
cy :	5000.00 mm	cz :	5000.00 mm
iy :	2886.75 mm	iz :	2886.75 mm
dy :	0.00 mm	dz :	0.00 mm
Omtrek :		40000.00 mm	

Controletype: A-typische doorsnede

Scharnieren

staaf	type	pos
7	fixfiyfiz	eind
17	fixfiyfiz	eind
27	fixfiyfiz	eind
37	fixfiyfiz	eind
36	fiyfiz	beg
26	fiyfiz	beg
16	fiyfiz	beg
6	fiyfiz	beg
53	fixfiyfiz	beg
59	fixfiyfiz	beg
65	fixfiyfiz	beg
71	fixfiyfiz	beg

staaf	type	pos
77	fixfiyfiz	beg
95	fiyfiz	beg
96	fixfiyfiz	eind
112	fixfiyfiz	beg
	fiyfiz	eind
113	fixfiyfiz	beg
	fiyfiz	eind
114	fixfiyfiz	beg
	fiyfiz	eind
115	fixfiyfiz	beg
	fiyfiz	eind

Steunpunten

Steunpunt	knoop	type	flexibiliteit MN/m-MNm/rad	Afmeting m
1	4	XY		0.20
2	9	X		0.20
3	36	X		0.20
4	39	X		0.20
5	50	XYZRx		0.20
6	58	X		0.20
7	59	XY		0.20
8	65	Z	kz =170.00	0.20
9	66	Z	kz =255.00	0.20
10	67	Z	kz =170.00	0.20
11	68	Z	kz =255.00	0.20
12	74	Z	kz =850.00	0.20
13	75	Z	kz =850.00	0.20
14	81	XY		0.20
15	87	Z	kz =850.00	0.20
16	88	Z	kz =850.00	0.20
17	91	XYZ		0.20
18	92	X		0.20

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Steunpunt	knoop	type	flexibiliteit MN/m-MNm/rad	Afmeting m
19	93	XYZ		0.20
20	94	X		0.20
21	95	XYZ		0.20
22	96	X		0.20
23	97	XYZ		0.20
24	98	X		0.20

Belastinggevallen

BG	Naam	Omschrijving
1	Wind	Variabel - ver bel vl excl.
2	pb vloer	Permanent - Lasten
3	vb vloer	Variabel - ver bel vl excl. Korte termijn
4	wand	Permanent - Lasten
5	mom.vb 4de ver.	Variabel - ver bel vl excl.
6	kolommen en kernen	Permanent - Lasten

Groep van variabele lasten

Naam		Omschrijving
ver bel vl	excl.	NEN - momentaan factor = 0.50

BG nr. 1 - verdeelde lasten

macro	type	dx m	exY m	exZ m		X beg eind	Y beg eind	Z beg eind
45	Kracht kN/m	0.00 rel 1.00	0.00	0.00	lok len	0.00 0.00	0.00 0.00	-6.50 -6.50
46	Kracht kN/m	0.00 rel 1.00	0.00	0.00	lok len	0.00 0.00	0.00 0.00	-6.50 -6.50
48	Kracht kN/m	0.00 rel 1.00	0.00	0.00	lok len	0.00 0.00	0.00 0.00	-5.80 -5.80
49	Kracht kN/m	0.00 rel 1.00	0.00	0.00	lok len	0.00 0.00	0.00 0.00	-5.80 -5.80
51	Kracht kN/m	0.00 rel 1.00	0.00	0.00	lok len	0.00 0.00	0.00 0.00	-5.10 -5.10
52	Kracht kN/m	0.00 rel 1.00	0.00	0.00	lok len	0.00 0.00	0.00 0.00	-5.10 -5.10
54	Kracht kN/m	0.00 rel 1.00	0.00	0.00	lok len	0.00 0.00	0.00 0.00	-5.10 -5.10
55	Kracht kN/m	0.00 rel 1.00	0.00	0.00	lok len	0.00 0.00	0.00 0.00	-5.10 -5.10
57	Kracht kN/m	0.00 rel 1.00	0.00	0.00	lok len	0.00 0.00	0.00 0.00	-9.00 -9.00
58	Kracht kN/m	0.00 rel 1.00	0.00	0.00	lok len	0.00 0.00	0.00 0.00	-9.00 -9.00

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BG nr. 2 - knooplasten

knoop	Fx kN	Fy kN	Fz kN	Mx kNm	My kNm	Mz kNm
92	0.00	0.00	-1256.00	0.00	0.00	0.00
94	0.00	0.00	-11309.00	0.00	0.00	0.00
96	0.00	0.00	-16335.00	0.00	0.00	0.00
98	0.00	0.00	-8796.00	0.00	0.00	0.00

BG nr. 2 - puntlasten

staaf	type	dx m	exY m	exZ m		X	Y	Z
3	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-58.40
9	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-58.40
13	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-191.70
19	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-225.30
23	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-191.70
29	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-225.30
33	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-191.70
39	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-225.30
41	Kracht kN	1.00 abs	0.00	0.00	glo	0.00	0.00	-85.10
44	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-191.70
46	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-85.10
48	Kracht kN	1.80 abs	0.00	0.00	glo	0.00	0.00	-165.50
51	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-225.30
47	Kracht kN	1.75 abs	0.00	0.00	glo	0.00	0.00	-165.50
85	Kracht kN	5.35 abs	0.00	0.00	glo	0.00	0.00	-113.30
	Kracht kN	8.95 abs	0.00	0.00	glo	0.00	0.00	-113.30

BG nr. 3 - knooplasten

knoop	Fx kN	Fy kN	Fz kN	Mx kNm	My kNm	Mz kNm
92	0.00	0.00	-972.00	0.00	0.00	0.00
94	0.00	0.00	-8748.00	0.00	0.00	0.00
96	0.00	0.00	-12636.00	0.00	0.00	0.00
98	0.00	0.00	-6804.00	0.00	0.00	0.00

BG nr. 3 - puntlasten

staaf	type	dx m	exY m	exZ m		X	Y	Z
3	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-49.60
9	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-49.60
13	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-134.10
19	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-157.50
23	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-134.10
29	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-157.50
33	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-134.10
39	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-157.50
41	Kracht kN	1.00 abs	0.00	0.00	glo	0.00	0.00	-82.60

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staaf	type	dx m	exY m	exZ m		X	Y	Z
44	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-134.10
46	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-82.60
48	Kracht kN	1.80 abs	0.00	0.00	glo	0.00	0.00	-160.40
51	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-157.50
47	Kracht kN	1.75 abs	0.00	0.00	glo	0.00	0.00	-160.40
85	Kracht kN	5.35 abs	0.00	0.00	glo	0.00	0.00	-96.20
	Kracht kN	8.95 abs	0.00	0.00	glo	0.00	0.00	-96.20

BG nr. 4 - knooplasten

knoop	Fx kN	Fy kN	Fz kN	Mx kNm	My kNm	Mz kNm
92	0.00	0.00	-247.00	0.00	0.00	0.00
94	0.00	0.00	-2223.00	0.00	0.00	0.00
96	0.00	0.00	-3211.00	0.00	0.00	0.00
98	0.00	0.00	-1729.00	0.00	0.00	0.00

BG nr. 4 - puntlasten

staaf	type	dx m	exY m	exZ m		X	Y	Z
3	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-210.00
9	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-322.50
13	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-210.00
19	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-322.50
23	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-187.70
29	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-277.50
33	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-187.70
39	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-277.50
44	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-174.00
51	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-248.80
42	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-31.40
	Kracht kN	1.00 rel	0.00	0.00	glo	0.00	0.00	-93.10
49	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-91.70
	Kracht kN	1.00 rel	0.00	0.00	glo	0.00	0.00	-97.90

BG nr. 4 - verdeelde lasten

macro	type	dx m	exY m	exZ m		X beg eind	Y beg eind	Z beg eind
36	Kracht kN/m	0.00 rel 1.00	0.00	0.00	glo len	0.00 0.00	0.00 0.00	-33.60 -33.60
40	Kracht kN/m	0.00 rel 1.00	0.00	0.00	glo len	0.00 0.00	0.00 0.00	-33.60 -33.60
41	Kracht kN/m	0.00 rel 1.00	0.00	0.00	glo len	0.00 0.00	0.00 0.00	-33.60 -33.60

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BG nr. 5 - knooplasten

knoop	Fx kN	Fy kN	Fz kN	Mx kNm	My kNm	Mz kNm
92	0.00	0.00	-146.00	0.00	0.00	0.00
94	0.00	0.00	-1312.00	0.00	0.00	0.00
96	0.00	0.00	-1895.00	0.00	0.00	0.00
98	0.00	0.00	-1021.00	0.00	0.00	0.00

BG nr. 5 - puntlasten

staaf	type	dx m	exY m	exZ m		X	Y	Z
44	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-134.10
51	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-157.50

BG nr. 6 - knooplasten

knoop	Fx kN	Fy kN	Fz kN	Mx kNm	My kNm	Mz kNm
94	0.00	0.00	-3341.00	0.00	0.00	0.00
96	0.00	0.00	-3917.00	0.00	0.00	0.00
98	0.00	0.00	-693.00	0.00	0.00	0.00

Combinaties

Combi	Norm	BG	coëff
1.	Lineair- UGT	2 pb vloer	1.20
		3 vb vloer	0.75
		4 wand	1.20
		1 Wind	1.50
		6 kolommen en kernen	1.20
2.		2 pb vloer	1.20
		3 vb vloer	0.75
		4 wand	1.20
		1 Wind	-1.50
		6 kolommen en kernen	1.20
3.		2 pb vloer	1.20
		4 wand	1.20
		3 vb vloer	0.75
		5 mom.vb 4de ver.	0.75
		6 kolommen en kernen	1.20

Regels voor het genereren van uiterste combinaties:
1 : 1.20*BG2 / 0.75*BG3 / 1.20*BG4 / 1.50*BG1 / 1.20*BG6
2 : 1.20*BG2 / 0.75*BG3 / 1.20*BG4 / -1.50*BG1 / 1.20*BG6
3 : 1.20*BG2 / 1.20*BG4 / 0.75*BG3 / 0.75*BG5 / 1.20*BG6

Lijst van extreme UGT combinaties
1/ 3 : +1.20*BG2+0.75*BG3+1.20*BG4+0.75*BG5+1.20*BG6
2/ 1 : +1.50*BG1+1.20*BG2+0.75*BG3+1.20*BG4+1.20*BG6
3/ 2 : -1.50*BG1+1.20*BG2+0.75*BG3+1.20*BG4+1.20*BG6



Niet-lineaire combinatie

Combi	Groep van voorvervormingen	dx mm/m	dy mm/m	Groep van voorkrommingen	BG	coëff
C 1	0	0.00	0.00	0	2 pb vloer	1.20
	0	0.00	0.00	0	4 wand	1.20
	0	0.00	0.00	0	3 vb vloer	0.75
	0	0.00	0.00	0	1 Wind	1.50
	0	0.00	0.00	0	6 kolommen en kernen	1.20
C 2	0	0.00	0.00	0	2 pb vloer	1.20
	0	0.00	0.00	0	4 wand	1.20
	0	0.00	0.00	0	3 vb vloer	0.75
	0	0.00	0.00	0	1 Wind	-1.50
	0	0.00	0.00	0	6 kolommen en kernen	1.20

Verslag berekening.

Lineaire berekening

Aantal 2D elementen	0
Aantal 1D elementen	115
Aantal netknopen	98
Aantal vergelijkingen	588
Belastinggevallen	BG 1 Wind
	BG 2 pb vloer
	BG 3 vb vloer
	BG 4 wand
	BG 5 mom.vb 4de ver.
	BG 6 kolommen en kernen
Start berekening	14.01.2005 14:24
Einde berekening	14.01.2005 14:24

Som van lasten en reacties.

			X	Y	Z
belastinggeval	1	last	0.0	1814.4	-0.0
		reactie	0.0	-1814.4	-0.0
		contact	0.0	0.0	0.0
belastinggeval	2	last	0.0	0.0	-40208.6
		reactie	0.0	0.0	40208.6
		contact	0.0	0.0	0.0
belastinggeval	3	last	0.0	0.0	-31104.0
		reactie	0.0	0.0	31104.0
		contact	0.0	0.0	0.0
belastinggeval	4	last	0.0	0.0	-10637.5
		reactie	0.0	0.0	10637.5
		contact	0.0	0.0	0.0
belastinggeval	5	last	0.0	0.0	-4665.6
		reactie	0.0	0.0	4665.6
		contact	0.0	0.0	0.0
belastinggeval	6	last	0.0	0.0	-7951.0

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	X	Y	Z
reactie	-0.0	-0.0	7951.0
contact	0.0	0.0	0.0

Niet-lineaire berekening

Aantal 2D elementen	0
Aantal 1D elementen	115
Aantal netknopen	98
Aantal vergelijkingen	588
Maximum iteraties	50
Type van niet-lineariteit	2de Orde
Methode (II. orde)	Timoshenko

Number Combi	Start	End	NoOfIteration
NC 1	16.02.2005 09:29	16.02.2005 09:29	2
NC 2	16.02.2005 09:29	16.02.2005 09:30	3

Reacties (alles), non. c. (alles), lokale extremen.

Groep van knopen:1/98
Groep van niet-lineaire combinaties:1/5

Steunpunt	knoop	non. c.	Rx [kN]	Ry [kN]	Rz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
1	4	5	**-0.05**	656.89	0.00	0.00	0.00	0.00
		1	**-0.09**	-626.69	0.00	0.00	0.00	0.00
		2	-0.08	**675.62**	0.00	0.00	0.00	0.00
		4	-0.06	**-627.49**	0.00	0.00	0.00	0.00
2	9	5	**-0.08**	0.00	0.00	0.00	0.00	0.00
		1	**-0.15**	0.00	0.00	0.00	0.00	0.00
3	36	2	**0.00**	0.00	0.00	0.00	0.00	0.00
		5	**0.00**	0.00	0.00	0.00	0.00	0.00
4	39	1	**0.05**	0.00	0.00	0.00	0.00	0.00
		5	**0.02**	0.00	0.00	0.00	0.00	0.00
5	50		**-3.19**	1103.88	**-0.12**	-16674.64	0.00	0.00
		1	**-6.28**	**-1090.84**	**-0.23**	**16619.11**	0.00	0.00
		2	-5.30	**1122.39**	-0.20	**-16995.57**	0.00	0.00
6	58	1	**31.74**	0.00	0.00	0.00	0.00	0.00
		5	**15.40**	0.00	0.00	0.00	0.00	0.00
7	59		**-8.60**	768.46	0.00	0.00	0.00	0.00
		1	**-18.32**	**-814.61**	0.00	0.00	0.00	0.00
		2	-14.59	**770.08**	0.00	0.00	0.00	0.00
8	65	1	0.00	0.00	**2239.23**	0.00	0.00	0.00
		5	0.00	0.00	**1025.94**	0.00	0.00	0.00
9	66	1	0.00	0.00	**3102.57**	0.00	0.00	0.00
		5	0.00	0.00	**1547.06**	0.00	0.00	0.00
10	67	1	0.00	0.00	**2464.46**	0.00	0.00	0.00
		5	0.00	0.00	**769.14**	0.00	0.00	0.00
11	68	2	0.00	0.00	**3501.52**	0.00	0.00	0.00
		4	0.00	0.00	**655.71**	0.00	0.00	0.00
12	74	5	0.00	0.00	**1376.28**	0.00	0.00	0.00
		1	0.00	0.00	**-1586.07**	0.00	0.00	0.00
13	75		0.00	0.00	**1650.69**	0.00	0.00	0.00

Steunpunt	knoop	non. c.	Rx [kN]	Ry [kN]	Rz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
		5	0.00	0.00	**-1344.85**	0.00	0.00	0.00
14	81		**-3.50**	**229.66**	0.00	0.00	0.00	0.00
		1	**-6.95**	**-266.81**	0.00	0.00	0.00	0.00
15	87	5	0.00	0.00	**912.99**	0.00	0.00	0.00
		1	0.00	0.00	**-1050.53**	0.00	0.00	0.00
16	88		0.00	0.00	**1050.36**	0.00	0.00	0.00
		5	0.00	0.00	**-913.08**	0.00	0.00	0.00
17	91	1	-0.00	**3.56**	2532.60	0.00	0.00	0.00
		2	-0.00	**-2.74**	**2532.60**	0.00	0.00	0.00
		4	-0.00	1.76	**1352.70**	0.00	0.00	0.00
19	93	1	-0.00	**32.47**	**26808.60**	0.00	0.00	0.00
		2	-0.00	**-25.93**	26808.60	0.00	0.00	0.00
		4	-0.00	17.18	**15185.70**	0.00	0.00	0.00
20	94	2	**0.00**	0.00	0.00	0.00	0.00	0.00
21	95	1	-0.00	**33.26**	**37632.60**	0.00	0.00	0.00
		2	-0.00	**-28.48**	37632.60	0.00	0.00	0.00
		4	-0.00	17.69	**21116.70**	0.00	0.00	0.00
22	96	2	**0.00**	0.00	0.00	0.00	0.00	0.00
23	97	1	-0.00	**8.04**	**18564.60**	0.00	0.00	0.00
		2	-0.00	**-8.20**	18564.60	0.00	0.00	0.00
		4	-0.00	4.32	**10096.20**	0.00	0.00	0.00

Interne krachten in staven (alles), non. c. (alles), extremen.

Groep van staven:1/115
Groep van niet-lineaire combinaties:1/5

staaf	doorsn.	non. c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
1	14	5	0.000	**111.74**	-0.02	-21.60	0.00	0.00	-0.00
		1	0.558	**-260.64**	-0.05	-26.93	-0.00	-15.03	-0.03
			0.000	-260.64	**-0.05**	-26.93	0.00	-0.00	-0.00
		2	1.116	68.11	-0.04	**-28.22**	-0.00	**-31.50**	-0.04
		1		-260.64	-0.05	-26.93	**-0.00**	-30.07	**-0.05**
2	18		1.100	**-4057.68**	**-0.11**	293.20	-0.07	**338.83**	0.44
			0.000	-4057.67	-0.10	**293.35**	**-0.07**	16.02	**0.55**
		5		-1559.34	-0.05	**-124.47**	-0.04	-10.86	0.26
			1.100	-1559.34	-0.05	-124.44	-0.04	**-147.80**	0.21
3		1	0.000	**-4057.87**	0.11	290.57	-0.06	**-1449.90**	0.02
				-4057.87	**0.12**	290.96	-0.06	-1449.90	0.02
			0.800	-4057.81	0.11	**291.39**	-0.06	-1216.77	0.11
		5	0.000	-1559.38	0.05	**-124.29**	-0.04	620.28	0.03
		3	0.800	-3605.36	0.10	108.73	**-0.07**	-454.65	**0.12**
		5	0.000	-1559.38	0.05	-124.01	-0.04	**620.29**	0.03
4		1		**-4057.81**	**0.11**	291.39	-0.06	**-1216.77**	0.11
			3.000	-4057.68	0.11	**293.20**	**-0.07**	-338.83	**0.44**
		5		-1559.34	0.05	**-124.44**	-0.04	147.80	0.21
			0.000	-1559.37	0.05	-124.14	-0.04	**520.87**	0.06
5	14		2.921	**94.61**	0.04	20.04	0.00	-0.00	0.00
		1	0.000	**-212.06**	0.09	23.69	0.00	-69.14	**-0.28**
			2.921	-212.06	**0.10**	23.69	0.00	0.00	-0.00
		2	0.000	61.86	0.07	**25.23**	**0.00**	**-73.71**	-0.22

the scale towards document
549

staaf	doorsn.	non. c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
6	4	5		**94.63**	0.05	-3.65	0.00	-0.00	0.00
		1	3.550	**-212.10**	0.09	-8.15	**-0.00**	**-28.99**	**0.33**
			0.000	-212.10	**0.09**	**-8.18**	**0.00**	0.00	0.00
7		5	7.150	**111.71**	-0.02	1.81	0.00	0.00	-0.00
		1	0.000	**-260.59**	-0.04	4.00	**-0.00**	**-28.99**	**0.33**
			7.150	-260.59	**-0.05**	**4.08**	0.00	-0.00	-0.00
8	19	2	1.100	**-5064.36**	-0.18	-608.10	0.19	**-2678.16**	0.62
		3		-4646.72	**-0.19**	-131.64	0.22	-389.17	0.72
		4	0.000	-2231.18	-0.12	**397.00**	0.16	1553.32	0.59
		2		-5064.34	-0.18	**-608.25**	0.20	-2008.85	0.82
		1	1.100	-3825.52	-0.19	345.95	**0.24**	1837.80	0.74
		4		-2231.19	-0.12	396.95	0.17	**1990.08**	0.46
		1	0.000	-3825.51	-0.18	346.03	0.24	1457.01	**0.94**
9		2		**-5064.46**	0.19	-607.23	0.17	**4988.80**	**-0.08**
		3		-4646.72	**0.21**	-131.37	0.22	889.34	-0.04
		4		-2231.24	0.12	**397.19**	0.18	-3498.54	0.01
		2		-5064.46	0.19	**-607.79**	0.17	4988.79	-0.08
		1		-3825.56	0.19	345.53	**0.26**	-3152.69	0.00
		4		-2231.24	0.12	396.67	0.18	**-3498.54**	0.01
		1	0.800	-3825.55	0.19	345.63	0.25	-2875.75	**0.16**
10		2	0.000	**-5064.44**	0.19	-607.46	0.18	**4502.44**	0.07
		3		-4646.72	**0.20**	-131.54	0.22	784.13	0.12
		4	3.000	-2231.19	0.12	**396.95**	0.17	-1990.08	0.46
		2		-5064.36	0.18	**-608.10**	0.19	2678.16	0.62
		1	0.000	-3825.55	0.19	345.63	**0.25**	-2875.75	0.16
		4		-2231.23	0.12	396.74	0.18	**-3180.89**	0.10
		1	3.000	-3825.52	0.19	345.95	0.24	-1837.80	**0.74**
11	11	5	0.000	**2.08**	-0.03	-16.61	0.00	0.00	-0.00
		1	1.116	**-28.73**	-0.06	-20.44	**-0.00**	-22.81	**-0.07**
			0.000	-28.73	**-0.06**	-20.44	0.00	-0.00	-0.00
		2		-6.47	-0.05	**-21.43**	0.00	0.00	-0.00
		5	1.116	2.08	-0.03	-16.61	**0.00**	-18.54	-0.04
		2		-6.47	-0.05	-21.43	0.00	**-23.92**	-0.06
12	18	1	0.000	**-3409.97**	-0.04	31.57	-0.02	**-109.29**	**0.78**
			1.100	-3409.97	**-0.04**	**31.64**	-0.02	-74.56	0.73
		5		-1147.60	-0.02	**-12.16**	-0.02	59.76	0.34
		3	0.000	-2956.86	-0.03	11.17	**-0.02**	-17.10	0.74
		5		-1147.60	-0.02	-12.15	-0.02	**73.13**	0.36
13		1		**-3409.97**	**0.06**	**32.71**	-0.02	-46.08	0.55
		5		-1147.60	0.02	**-12.72**	-0.02	-13.24	0.26
		3	0.800	-2956.86	0.05	11.16	**-0.02**	-28.73	0.57
		1	0.000	-3409.97	0.05	31.67	-0.02	**-46.09**	0.55
			0.800	-3409.97	0.05	31.69	-0.02	-20.35	**0.60**
14			3.000	**-3409.97**	0.04	31.64	-0.02	**74.56**	**0.73**
			0.000	-3409.97	**0.05**	**31.69**	-0.02	-20.35	0.60
		5		-1147.60	0.02	**-12.19**	-0.02	-23.21	0.28
		3	3.000	-2956.86	0.04	11.18	**-0.02**	4.80	0.70
		5		-1147.60	0.02	-12.16	-0.02	**-59.76**	0.34
15	11	1	0.000	**-36.72**	0.13	16.26	**-0.00**	-47.48	**-0.37**
			2.921	-36.72	**0.13**	16.26	0.00	0.00	-0.00
		2		-21.37	0.11	**18.06**	0.00	-0.00	0.00



staaf	doorsn.	non. c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
			0.000	-21.37	0.11	18.06	**0.00**	**-52.74**	-0.32
16	4	1	3.550	**-36.74**	0.13	-8.52	**-0.00**	**-30.26**	**0.44**
			0.000	-36.74	**0.13**	**-8.53**	**0.00**	0.00	0.00
17		5	7.150	**2.06**	-0.03	1.93	0.00	0.00	-0.00
		1	0.000	**-28.70**	-0.06	4.23	**-0.00**	**-30.26**	**0.44**
			7.150	-28.70	**-0.06**	**4.24**	0.00	-0.00	-0.00
18	19	2	0.000	**-4183.09**	-0.07	-669.21	0.00	1198.35	1.24
			1.100	-4183.08	**-0.08**	**-669.25**	-0.00	461.90	1.15
		4		-1659.37	-0.05	**567.81**	-0.03	-658.75	0.78
		5	0.000	-2866.99	-0.05	-632.75	**0.01**	**1221.12**	0.73
		1	1.100	-2945.81	-0.07	556.82	**-0.05**	-729.42	1.23
			0.000	-2945.82	-0.06	556.78	-0.05	**-1342.14**	1.31
		3		-3766.75	-0.07	-56.52	-0.03	-37.37	**1.34**
19		2		**-4183.10**	0.10	-669.10	-0.02	**2082.56**	0.82
				-4183.10	**0.10**	**-670.11**	-0.02	2082.55	0.82
		4		-1659.38	0.05	**568.57**	-0.02	-1499.59	0.59
		5	0.800	-2866.99	0.06	-632.74	**0.01**	1373.94	0.52
		1		-2945.81	0.08	556.81	**-0.04**	-941.71	**1.01**
		4	0.000	-1659.38	0.05	567.78	-0.02	**-1499.59**	0.59
20		2		**-4183.09**	**0.09**	-669.18	-0.01	**1546.61**	0.90
		4	1.500	-1659.37	0.05	**567.82**	-0.03	-193.12	0.71
		2	3.000	-4183.08	0.08	**-669.25**	-0.00	-461.90	1.15
		5		-2866.98	0.05	-632.78	**0.01**	-524.89	0.68
		1		-2945.81	0.07	556.82	**-0.05**	729.42	1.23
		4	0.000	-1659.37	0.05	567.80	-0.03	**-1044.96**	0.63
		3	3.000	-3766.75	0.08	-56.52	-0.03	99.57	**1.26**
21	11	1	0.000	**138.25**	-0.04	-20.65	-0.00	-0.00	-0.00
		5	1.116	**-74.00**	-0.03	-16.59	**0.00**	-18.52	-0.03
		1		138.25	**-0.04**	-20.65	**-0.00**	-23.03	**-0.05**
		2	0.000	-61.11	-0.04	**-21.34**	-0.00	0.00	-0.00
			1.116	-61.11	-0.04	-21.34	-0.00	**-23.82**	-0.04
22	18	1	0.000	**-2803.67**	**0.04**	1.69	**0.05**	-93.50	0.65
		4	1.100	-1966.74	0.02	**5.40**	0.03	-96.79	0.43
		2		-1574.51	0.03	**-13.63**	0.04	126.19	0.55
			0.000	-1574.51	0.03	-13.58	0.04	**141.16**	0.51
		4		-1966.74	0.02	5.36	0.03	**-102.72**	0.40
		1	1.100	-2803.67	0.04	1.74	0.05	-91.67	**0.69**
23			0.000	**-2803.67**	-0.03	1.87	0.05	86.48	**0.78**
			0.800	-2803.67	**-0.03**	1.84	**0.05**	**88.30**	0.75
		4	0.000	-1966.74	-0.02	**6.05**	0.03	81.57	0.48
		2		-1574.51	-0.02	**-14.46**	0.04	-88.28	0.62
			0.800	-1574.51	-0.03	-13.69	0.04	**-99.55**	0.60
24		1	0.000	**-2803.67**	-0.03	1.84	0.05	88.30	**0.75**
			1.950	-2803.67	**-0.04**	1.74	**0.05**	91.67	0.69
		4	0.000	-1966.74	-0.02	**5.47**	0.03	86.18	0.47
		2		-1574.51	-0.03	**-13.69**	0.04	-99.55	0.60
		4	1.950	-1966.74	-0.02	5.40	0.03	**96.79**	0.43
		2		-1574.51	-0.03	-13.63	0.04	**-126.19**	0.55
25	11	1	2.921	**69.83**	0.09	15.98	0.00	0.00	-0.00
		5	0.000	**-33.94**	0.05	14.38	0.00	-42.00	-0.15
		1		69.83	**0.09**	15.98	0.00	-46.68	**-0.25**



staaf	doorsn.	non. c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
		2	2.921	-24.95	0.08	**17.73**	0.00	-0.00	0.00
			0.000	-24.95	0.08	17.73	**0.00**	**-51.79**	-0.23
		4		62.13	0.06	12.70	**-0.00**	-37.08	-0.17
26	4	1		**69.81**	0.09	-8.61	**0.00**	0.00	0.00
		5	3.550	**-33.92**	0.05	-4.12	-0.00	-14.65	0.18
		1		69.81	**0.09**	**-8.63**	**-0.00**	**-30.59**	**0.31**
27			7.150	**138.28**	-0.04	4.26	-0.00	-0.00	-0.00
		5	0.000	**-74.02**	-0.03	2.04	-0.00	-14.65	0.18
		1		138.28	**-0.04**	**4.31**	**-0.00**	**-30.59**	**0.31**
28	19	2		**-3380.61**	0.05	-646.54	-0.33	**3636.78**	1.06
		1		-2145.14	**0.07**	592.05	-0.40	**-3670.71**	1.05
			1.100	-2145.11	0.07	**592.14**	**-0.41**	-3019.22	1.13
		2		-3380.59	0.05	**-646.68**	-0.32	2925.28	1.11
		3		-2965.43	0.06	-29.24	-0.39	-6.18	**1.18**
29		2	0.800	**-3380.55**	-0.04	-646.86	-0.32	-1663.67	1.20
		1		-2145.08	**-0.06**	592.26	-0.42	**1864.08**	1.26
			0.000	-2145.07	-0.06	**593.50**	-0.42	1389.62	1.31
		2		-3380.55	-0.04	**-647.84**	-0.32	-1145.61	1.24
		1		-2145.07	-0.06	592.29	**-0.42**	1389.62	1.31
		5	0.800	-2352.58	-0.02	-622.62	-0.19	**-1676.83**	0.72
		3	0.000	-2965.43	-0.05	-29.23	-0.39	86.55	**1.34**
30		2	1.950	**-3380.59**	-0.05	-646.68	-0.32	**-2925.28**	1.11
		1		-2145.11	**-0.07**	592.14	-0.41	**3019.22**	1.13
			0.000	-2145.08	-0.06	**592.26**	**-0.42**	1864.08	1.26
		2		-3380.55	-0.04	**-646.86**	-0.32	-1663.67	1.20
		3		-2965.43	-0.05	-29.24	-0.39	63.21	**1.30**
31	11	1		**429.30**	0.00	-20.97	-0.00	-0.00	0.00
		5	0.558	**-201.11**	0.00	-16.56	-0.00	-9.24	0.00
		1	1.116	429.30	**0.00**	-20.97	-0.00	-23.37	**0.01**
		2	0.000	-152.61	0.00	**-21.25**	-0.00	0.00	0.00
		3	1.116	163.18	0.00	-20.63	**-0.00**	-23.02	0.00
		2		-152.61	0.00	-21.25	-0.00	**-23.71**	0.00
32	18	1	0.000	**-2197.20**	**0.09**	138.47	**0.10**	**-605.29**	0.32
			1.100	-2197.19	0.09	**138.71**	0.10	-452.82	**0.42**
		5		-386.49	0.04	**-83.02**	0.05	375.78	0.19
			0.000	-386.50	0.04	-82.99	0.05	**467.09**	0.15
33		1	0.800	**-2197.17**	**-0.08**	138.97	**0.10**	182.04	0.58
			0.000	-2197.17	-0.08	**139.94**	0.10	70.47	0.65
		5		-386.48	-0.04	**-83.53**	0.05	-147.19	0.30
		4	0.800	-1586.93	-0.05	124.43	0.06	**184.83**	0.36
		2		-967.32	-0.07	-73.97	0.08	**-224.46**	0.46
		1	0.000	-2197.17	-0.08	139.01	0.10	70.47	**0.65**
34			1.950	**-2197.19**	**-0.09**	138.71	**0.10**	**452.82**	0.42
			0.000	-2197.17	-0.08	**138.97**	0.10	182.04	**0.58**
		5		-386.48	-0.04	**-83.06**	0.05	-213.83	0.27
			1.950	-386.49	-0.04	-83.02	0.05	**-375.78**	0.19
35	11	1	2.921	**373.36**	-0.01	15.69	0.00	0.00	-0.00
		5	0.000	**-198.67**	-0.00	13.98	0.00	-40.85	0.00
		1		373.36	**-0.01**	15.69	**0.00**	-45.89	**0.03**
		2	2.921	-161.39	-0.00	**17.30**	0.00	-0.00	0.00
			0.000	-161.39	-0.00	17.30	0.00	**-50.55**	0.01



staaf	doorsn.	non. c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
36	4	1		**373.34**	-0.01	-8.50	**0.00**	0.00	0.00
		5	3.550	**-198.66**	-0.00	-4.40	-0.00	-15.65	-0.01
		1		373.34	**-0.01**	**-8.57**	-0.00	**-30.27**	**-0.03**
		3		127.33	-0.01	-8.28	**-0.00**	-29.35	-0.03
37		1	7.150	**429.33**	0.00	4.18	-0.00	-0.00	0.00
		5	0.000	**-201.13**	0.00	2.16	-0.00	-15.65	-0.01
		1		429.33	**0.00**	**4.33**	-0.00	**-30.27**	**-0.03**
		3		163.18	0.00	4.14	**-0.00**	-29.35	-0.03
38	19	2		**-2578.53**	0.14	-620.18	-0.59	**5974.76**	0.53
		1		-1344.78	**0.16**	520.81	-0.63	**-5724.00**	0.44
		4	1.100	-634.43	0.10	**524.58**	-0.43	-5063.66	0.38
		2		-2578.49	0.14	**-620.36**	-0.58	5292.30	0.68
		1		-1344.75	0.16	520.90	**-0.64**	-5150.94	0.61
		3		-2164.36	0.16	-59.78	-0.64	141.93	**0.69**
39		2	0.800	**-2578.42**	-0.13	-620.64	-0.57	**-4082.02**	0.95
		1	0.000	-1344.67	**-0.16**	522.21	-0.66	3717.40	1.05
		4		-634.35	-0.10	**525.32**	-0.44	3620.59	0.66
		2		-2578.40	-0.13	**-621.59**	-0.56	-3585.00	1.06
		1		-1344.67	-0.16	521.09	**-0.66**	3717.40	1.05
			0.800	-1344.69	-0.16	521.04	-0.65	**4134.80**	0.92
		3	0.000	-2164.36	-0.15	-59.79	-0.64	22.46	**1.11**
40		2	1.950	**-2578.49**	-0.14	-620.36	-0.58	**-5292.30**	0.68
		1		-1344.75	**-0.16**	520.90	-0.64	**5150.94**	0.61
		4	0.000	-634.37	-0.10	**524.64**	-0.44	4040.61	0.58
		2		-2578.42	-0.13	**-620.64**	-0.57	-4082.02	0.95
		1		-1344.69	-0.16	521.04	**-0.65**	4134.80	0.92
		3		-2164.36	-0.15	-59.79	-0.64	-25.32	**0.99**
41	13	5	1.116	**247.04**	-0.01	96.45	-0.01	**2094.22**	-0.01
		1		**-758.33**	-0.00	**-1455.38**	-0.01	**-4360.74**	0.03
		2	0.000	132.70	**-0.01**	-0.23	-0.01	1670.27	-0.00
		5		246.99	-0.01	**218.03**	-0.01	1884.89	-0.00
		3	1.116	-371.24	-0.00	-1001.60	**-0.02**	-1618.30	0.01
		1	0.000	-758.19	-0.00	-1231.34	-0.01	-2933.94	**0.03**
		2	1.116	132.80	-0.01	-224.29	-0.01	1617.51	**-0.01**
42	3	5	2.100	**58.83**	-0.01	**-247.09**	-0.01	1575.39	-0.01
		1	0.000	**-1505.54**	-0.00	758.35	**0.03**	**-4360.74**	0.01
		2		-274.45	**-0.01**	-132.80	-0.01	1617.51	0.01
		1	2.100	-1505.51	-0.00	**758.45**	0.01	-2767.96	0.01
		2	0.000	-274.45	-0.01	-132.83	**-0.01**	1617.51	0.01
		5		58.83	-0.01	-247.05	-0.01	**2094.22**	0.01
		3		-1051.76	-0.01	371.24	0.01	-1618.30	**0.02**
		2	2.100	-274.45	-0.01	-132.83	-0.01	1338.53	**-0.01**
43		1	0.000	**-1612.72**	**0.08**	565.58	**0.11**	**-2762.92**	0.01
			0.700	-1612.72	0.08	**565.59**	0.11	-2366.97	**0.07**
		5		-22.52	0.04	**-283.73**	0.04	1379.50	0.02
			0.000	-22.52	0.04	-283.73	0.04	**1578.11**	-0.01
		2		-382.19	0.07	-225.66	0.07	1342.98	**-0.01**
44	18	1	0.800	**-1612.29**	-0.08	566.82	**0.10**	**1035.87**	0.26
			0.000	-1612.22	**-0.08**	**567.77**	0.09	581.92	0.32
		5		-22.36	-0.04	**-284.10**	0.05	-485.58	0.15
			0.800	-22.39	-0.04	-283.74	0.05	**-712.71**	0.11

the scale towards document
Patch Reference numbers on UTT
Scan Reference Chart TE263 Serial No. 549

staaf	doorsn.	non.	c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
		1		0.000	-1612.22	-0.08	567.01	0.09	581.91	**0.32**
45				2.350	**-1612.72**	**-0.08**	565.59	**0.11**	**2366.97**	0.07
				0.000	-1612.29	-0.08	**566.82**	0.10	1035.87	**0.26**
		5			-22.39	-0.04	**-283.74**	0.05	-712.71	0.11
				2.350	-22.52	-0.04	-283.73	0.04	**-1379.50**	0.02
46	13			2.921	**246.64**	-0.01	947.37	-0.01	-3813.35	0.08
		1			**-757.75**	-0.01	-17.99	-0.02	4900.01	0.07
		2		0.000	131.87	**-0.02**	**1533.92**	0.02	-7440.66	0.18
		4		2.921	-622.11	-0.00	**-254.11**	-0.01	4551.17	0.05
		2		0.000	131.96	-0.02	1369.85	**0.02**	**-7440.67**	**0.18**
		1			-757.61	-0.01	139.14	**-0.03**	4723.11	0.08
		4			-622.04	-0.00	-136.25	-0.02	**5121.33**	0.06
47	10	5		3.550	**246.87**	-0.01	655.25	-0.01	-972.54	0.05
		1		1.750	**-758.01**	-0.01	-431.09	-0.01	4786.06	0.06
		2		0.000	132.23	**-0.02**	**1212.80**	-0.01	-3668.76	**0.12**
		4		3.550	-622.17	-0.00	**-546.35**	-0.00	3126.49	0.04
		2			132.51	-0.01	703.04	**-0.02**	-276.19	0.07
		1		0.000	-757.75	-0.01	-17.99	-0.02	**4900.01**	0.07
		5			246.64	-0.01	947.37	-0.01	**-3813.35**	0.08
48				7.150	**246.99**	-0.01	218.03	-0.01	1884.89	-0.00
		1			**-758.19**	-0.00	**-1231.34**	-0.01	**-2933.94**	0.03
		2		0.000	132.51	**-0.01**	**703.04**	**-0.02**	-276.19	**0.07**
		1			-758.00	-0.00	-527.96	-0.00	**3922.79**	0.05
		2		7.150	132.70	-0.01	-0.23	-0.01	1670.27	**-0.00**
49	3			2.100	**-1713.33**	-0.01	128.86	-0.18	7711.62	0.01
		1		0.000	-482.61	**-0.04**	**-753.89**	-0.08	-4723.12	-0.03
		5			-1276.32	-0.01	**244.86**	-0.11	6752.60	0.01
		2		2.100	-1713.33	-0.01	128.93	**-0.18**	**7711.62**	0.01
		4			-74.92	-0.03	-620.10	-0.05	**-6423.59**	-0.08
		2		0.000	-1713.32	-0.01	129.04	-0.18	7440.67	**0.02**
		1		2.100	-482.65	-0.04	-753.70	-0.07	-6305.97	**-0.11**
50		2		0.000	**-1822.59**	0.13	-457.65	-0.59	**7687.60**	0.01
		3			-1409.19	**0.15**	-187.23	**-0.62**	880.71	-0.05
		4		0.700	-156.51	0.09	**198.72**	-0.40	-6303.53	-0.02
		2			-1822.58	0.13	**-457.69**	-0.59	7367.18	**0.11**
		4		0.000	-156.51	0.09	198.72	-0.40	**-6442.64**	-0.08
		1			-590.36	0.14	146.41	-0.59	-6334.37	**-0.11**
51	19	2		0.800	**-1822.49**	-0.13	-458.03	-0.58	**-6291.01**	0.42
		3		0.000	-1409.19	**-0.15**	-187.11	-0.62	-159.79	0.51
		4			-156.46	-0.10	**199.28**	-0.40	5677.28	0.27
		2			-1822.46	-0.14	**-458.78**	-0.58	-5924.22	0.53
		3		0.800	-1409.19	-0.14	-187.25	**-0.62**	-309.56	0.40
		1			-590.33	-0.14	146.52	-0.60	**5887.52**	0.32
		2		0.000	-1822.46	-0.13	-458.14	-0.58	-5924.22	**0.53**
52				2.350	**-1822.58**	-0.13	-457.69	-0.59	**-7367.18**	0.11
		3			-1409.19	**-0.15**	-187.23	**-0.62**	-749.63	0.05
		4		0.000	-156.47	-0.09	**198.75**	-0.40	5836.49	0.20
		2			-1822.49	-0.13	**-458.03**	-0.58	-6291.01	**0.42**
		4		2.350	-156.51	-0.09	198.72	-0.40	**6303.53**	**-0.02**
53	8	1		2.400	**0.16**	-12.19	25.07	0.00	88.26	-29.16
				0.000	0.16	**-12.22**	48.47	0.00	-0.00	0.00

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staaf	doorsn.	non. c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
		2	10.800	0.12	-9.30	**99.12**	**-0.01**	**501.85**	-101.03
		4		0.10	-8.09	**-66.25**	0.01	**-146.87**	-88.14
		1		0.14	-12.08	-56.83	**0.01**	-45.09	**-131.23**
		4	0.000	0.10	-8.23	39.05	0.00	-0.00	**0.00**
54	5	1		**-11.05**	**-0.39**	184.75	-17.29	-177.02	1.64
		4		-7.43	-0.33	**188.58**	-15.84	**-266.12**	1.24
		2		-8.56	-0.36	**-204.92**	12.58	**590.90**	**1.95**
		5	3.600	-5.00	-0.26	-164.12	**13.28**	-173.77	0.33
		1		-11.04	-0.33	149.65	**-17.29**	424.91	0.35
55			0.000	**-11.04**	**-0.33**	149.65	-17.29	424.91	0.35
		4		-7.43	-0.28	**153.48**	-15.84	349.58	0.15
		2		-8.56	-0.31	**-169.82**	12.59	-83.63	0.74
		5	18.000	-4.99	-0.07	11.38	**13.29**	-1548.40	-2.14
		1		-11.02	-0.12	-25.85	**-17.31**	1539.20	**-3.06**
			15.600	-11.03	-0.15	-2.45	-17.30	**1573.15**	-2.61
		2	18.000	-8.55	-0.13	5.68	12.60	**-1560.90**	-2.71
		3	0.000	-10.19	-0.14	-10.36	-2.55	185.43	**0.88**
56		1		**-4.93**	**-0.18**	**71.79**	**-19.91**	1411.75	0.12
		5		-2.24	-0.11	**-68.96**	**16.04**	-1452.55	-0.38
		4	3.600	-3.31	-0.10	36.07	-18.49	**1609.48**	-0.60
		2		-3.82	-0.12	-32.92	15.40	**-1652.46**	-0.27
		3	0.000	-4.55	-0.11	1.63	-2.46	-21.39	**1.39**
		5	3.600	-2.23	-0.08	-33.86	16.03	-1637.62	**-0.63**
57		1	0.000	**-4.93**	**-0.14**	36.69	**-19.90**	1607.00	-0.32
		2	21.600	-3.80	-0.05	**177.68**	15.40	-88.95	-1.27
		4		-3.29	-0.02	**-174.53**	-18.48	114.15	-0.94
		5	0.000	-2.23	-0.08	-33.86	**16.03**	-1637.62	-0.63
		4	3.600	-3.31	-0.09	0.97	-18.49	**1676.16**	-0.66
		2		-3.82	-0.11	2.18	15.40	**-1707.78**	-0.44
		3	0.000	-4.55	-0.11	1.63	-2.46	-15.52	**0.99**
		1	21.600	-4.90	-0.06	-173.91	-19.90	124.96	**-1.43**
58	9		0.000	**0.55**	**-6.14**	1090.84	0.14	11274.01	**32.29**
			2.450	0.40	-6.14	**1090.84**	0.21	13946.55	17.25
		2	3.675	0.30	-5.18	**-1122.39**	-0.22	-15620.64	8.16
		1	4.900	0.23	-6.14	1090.84	**0.28**	**16619.11**	2.20
		2		0.20	-5.18	-1122.39	**-0.25**	**-16995.57**	1.82
		3		0.23	-6.05	-16.22	-0.00	-204.99	**-0.00**
59	8	1	3.600	**0.22**	-12.69	-39.38	0.01	-85.39	-45.61
			0.000	0.22	**-12.73**	-8.06	0.00	-0.00	0.00
		5	10.800	0.12	-5.72	**82.46**	-0.01	**383.18**	-62.34
		1		0.21	-12.61	**-102.02**	**0.03**	**-594.44**	**-136.84**
		2		0.17	-9.85	79.12	**-0.02**	347.15	-106.90
		4	0.000	0.14	-8.56	-0.02	0.00	-0.00	**0.00**
60	5	1		**-4.92**	**-0.26**	**182.00**	**-15.17**	**-573.50**	**0.84**
		2		-4.20	-0.22	**-179.58**	10.05	328.62	0.49
		5		-2.55	-0.22	-179.43	**10.88**	**364.50**	0.50
		2	3.600	-4.20	-0.18	-148.26	10.05	-261.49	**-0.22**
61		1	0.000	**-4.91**	**-0.21**	**150.68**	-15.17	25.31	-0.03
		2		-4.20	-0.18	**-148.26**	10.05	-261.49	-0.22
		5	18.000	-2.52	-0.01	8.49	**10.88**	-1481.59	-1.44
		1		-4.88	-0.01	-5.92	**-15.17**	1328.09	**-1.57**



staaf	doorsn.	non. c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
		4	16.800	-3.21	-0.01	2.64	-13.67	**1376.28**	-1.35
		2		-4.18	-0.02	-2.10	10.05	**-1524.48**	-1.47
		3	0.000	-4.74	-0.02	0.53	-2.81	-94.12	**0.05**
62		1		**-2.83**	**-0.06**	**55.40**	**-16.03**	1348.62	-1.19
		5		-1.45	-0.05	**-49.21**	**11.89**	-1503.14	-1.17
		4	3.600	-1.86	-0.03	22.27	-14.57	**1530.35**	**-1.26**
		2		-2.40	-0.03	-16.28	11.13	**-1657.95**	-1.19
		3	0.000	-2.72	-0.01	3.45	-2.69	-85.75	**0.16**
63		1		**-2.82**	**-0.03**	24.08	**-16.03**	1491.70	-1.26
		5	21.600	-1.41	**0.07**	170.03	11.89	19.26	-0.10
		2		-2.36	0.07	**171.64**	11.13	19.87	-0.15
		4		-1.82	0.07	**-165.65**	-14.57	-18.04	-0.07
		5	0.000	-1.45	-0.02	-17.89	**11.89**	-1623.91	-1.22
		4	2.400	-1.85	-0.01	1.39	-14.57	**1558.76**	-1.13
		2		-2.39	-0.01	4.60	11.13	**-1671.98**	-1.08
		3	0.000	-2.72	-0.01	3.45	-2.69	-73.32	**0.11**
		4		-1.86	-0.03	22.27	-14.57	1530.35	**-1.26**
64	9	1		**0.78**	-1.15	916.92	124.99	6761.19	**37.58**
		3		0.34	**-1.50**	-14.58	19.74	-56.53	35.65
		1	1.225	0.74	-1.17	**916.92**	125.02	7884.43	35.90
		2	0.000	0.77	-1.31	**-944.70**	-88.97	-6851.44	33.15
		1	4.900	0.61	-1.24	916.92	**125.11**	**11254.12**	30.86
		5		0.46	-0.85	-927.14	**-94.55**	-11249.61	16.07
		2		0.58	-1.38	-944.70	-89.08	**-11480.48**	25.93
65	8	1	4.800	**0.18**	-12.79	-105.21	0.01	-416.88	-61.34
			0.000	0.18	**-12.84**	-68.49	0.00	-0.00	0.00
		5	10.800	0.10	-6.03	**122.72**	-0.01	**879.27**	-65.63
		1		0.17	-12.73	**-151.11**	**0.03**	**-1185.83**	**-138.03**
		2		0.14	-10.29	118.83	**-0.01**	837.26	-111.57
		4	0.000	0.12	-8.55	-57.55	0.00	-0.00	**0.00**
66	5	3		**-3.90**	0.08	1.13	-2.84	-156.60	**-0.96**
			3.600	-3.90	**0.08**	1.13	-2.84	-152.54	-0.66
		4	0.000	-2.23	**-0.19**	200.91	-10.72	-1033.63	**0.61**
		1		-3.60	-0.19	**203.98**	**-12.15**	**-1151.00**	0.51
		2		-3.89	-0.14	**-200.37**	7.02	801.58	-0.02
		5		-2.53	-0.17	-199.29	**7.91**	**844.59**	0.39
67		3		**-3.90**	0.08	1.13	-2.84	-152.54	-0.66
			14.400	-3.90	**0.08**	1.13	-2.84	-136.27	0.52
		4	0.000	-2.22	**-0.15**	173.37	-10.71	-359.91	-0.04
		1		-3.59	-0.14	**176.44**	**-12.14**	-466.24	-0.12
		2		-3.88	-0.10	**-172.83**	7.02	129.81	-0.47
		5		-2.52	-0.14	-171.75	**7.91**	176.70	-0.18
		4	18.000	-2.19	0.02	35.67	-10.70	**1521.52**	-0.92
		2		-3.85	0.04	-35.13	7.01	**-1741.89**	-0.79
		3		-3.90	0.08	1.13	-2.84	-132.21	**0.82**
		5		-2.49	0.01	-34.05	7.90	-1675.58	**-1.04**
68		3	0.000	**-3.49**	0.07	5.27	-2.79	-132.27	-0.82
			3.600	-3.49	**0.07**	5.27	-2.79	-113.30	-0.59
		1	0.000	-3.38	0.03	**37.17**	-14.44	1487.70	**-2.36**
		5		-2.05	0.01	**-29.01**	10.17	-1692.50	-1.94
			3.600	-2.05	0.03	-1.47	**10.18**	-1747.38	-1.78

the scale towards document
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staaf	doorsn.	non. c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
		1		-3.37	0.06	9.63	**-14.45**	1571.95	-2.11
		4		-2.15	0.04	7.60	-12.95	**1615.48**	-1.86
		2		-3.26	0.06	1.17	9.37	**-1804.42**	-2.02
69		3	0.000	**-3.49**	0.07	5.27	-2.79	-113.30	-0.59
		1	21.600	-3.32	**0.16**	-155.61	**-14.45**	-4.57	**0.86**
		2		-3.23	0.16	**166.41**	9.37	5.50	0.75
		4		-2.11	0.13	**-157.64**	-12.95	-4.86	0.56
		5		-2.01	0.13	163.77	**10.18**	5.35	0.45
		4	1.200	-2.15	0.04	-1.58	-12.95	**1619.09**	-1.73
		2	0.000	-3.26	0.06	1.17	9.37	**-1804.42**	-2.02
		1		-3.37	0.06	9.63	-14.45	1571.95	**-2.11**
70	9			**0.78**	**1.67**	753.09	107.32	3845.78	31.44
			3.850	0.71	1.63	**753.09**	**107.36**	**6745.16**	**37.45**
		2		0.69	1.05	**-773.06**	-69.11	**-6840.31**	33.00
		5		0.56	0.63	-757.10	**-75.24**	-6694.75	20.64
71	8	1	0.000	**0.03**	**-12.82**	-56.00	0.00	-0.00	0.00
		3	10.800	**-0.01**	-12.42	-35.86	0.00	-387.25	-134.09
		5		0.02	-6.47	**85.09**	-0.01	**472.83**	-70.35
		1		0.03	-12.72	**-138.62**	**0.02**	**-1050.99**	**-137.91**
		2		0.01	-10.82	73.88	**-0.02**	351.76	-117.31
		5	0.000	0.00	-6.56	2.47	-0.00	0.00	**0.00**
72	5	3		**-7.44**	0.18	11.42	-2.77	-379.55	**-2.03**
			3.600	-7.44	**0.18**	11.42	-2.76	-338.45	-1.38
		4	0.000	-4.44	**-0.18**	248.20	-7.79	-800.38	-0.41
		1		-7.04	-0.14	**255.80**	**-9.13**	**-960.37**	-0.87
		5		-4.58	-0.14	**-236.04**	**5.09**	**395.52**	-0.75
73		3		**-7.44**	0.18	11.42	-2.76	-338.45	-1.38
			18.000	-7.44	**0.18**	11.42	-2.76	-132.93	**1.88**
		4	0.000	-4.43	**-0.14**	220.66	-7.78	43.59	-0.98
		1		-7.04	-0.10	**228.26**	**-9.11**	-89.04	-1.32
		5		-4.58	-0.11	**-208.50**	**5.09**	-404.66	-1.21
		1	18.000	-6.99	0.09	90.56	-9.07	**2780.42**	-1.02
		2		-7.14	0.10	-70.07	4.13	**-3022.96**	-0.99
			0.000	-7.17	-0.04	-207.77	4.17	-522.32	**-1.81**
74		1	3.600	**0.66**	**0.17**	**-41.78**	**-13.90**	2691.56	-3.83
		5	0.000	**-0.11**	0.09	19.69	9.53	-2929.24	-3.57
		2	3.600	0.00	0.16	**51.37**	8.72	-2898.41	-3.55
		5		-0.10	0.11	47.23	**9.55**	-2808.80	-3.09
		1	0.000	0.65	0.14	-14.24	-13.87	**2792.40**	**-4.57**
		2		-0.00	0.14	23.83	8.69	**-3033.78**	-4.20
75		1	21.600	**0.72**	**0.26**	**-207.02**	**-13.91**	4.50	1.58
		5	0.000	**-0.10**	0.11	47.23	9.55	-2808.80	-3.09
		2	21.600	0.05	0.25	**216.61**	8.74	-4.18	1.44
		5		-0.06	0.20	212.47	**9.55**	-4.10	0.88
		1	0.000	0.66	0.17	-41.78	-13.90	**2691.56**	**-3.83**
		2		0.00	0.16	51.37	8.72	**-2898.41**	-3.55
		3	21.600	0.30	0.13	5.26	-2.85	0.19	**1.59**
76	9	1	0.000	**0.65**	**5.04**	597.48	102.76	1531.03	13.14
			3.850	0.62	5.00	**597.48**	**102.76**	**3831.33**	**32.30**
		2		0.61	4.31	**-606.65**	-63.58	**-3854.64**	29.87
		5		0.49	2.67	-593.34	**-69.86**	-3769.73	18.84



staaf	doorsn.	non. c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
77	8	1	0.000	**-0.44**	**-14.38**	**707.12**	0.00	-0.00	**0.00**
		2		-0.31	-12.47	**-679.28**	-0.00	0.00	0.00
		1	10.800	-0.44	-14.19	561.32	**0.28**	**6849.61**	**-154.27**
		2		-0.32	-12.33	-533.48	**-0.22**	**-6548.92**	-133.91
78	5	1	3.600	**44.90**	0.27	19.84	**-7.68**	**6994.95**	-11.01
		3	0.000	43.58	**0.30**	-9.35	-2.69	146.28	-3.55
		4		29.53	0.10	**73.93**	-6.35	6590.22	-9.97
		2		38.43	0.18	**-86.55**	2.76	-6507.83	-9.57
		5	3.600	23.23	0.13	-35.79	**3.83**	-6623.52	-7.99
		2		38.44	0.23	-37.95	2.89	**-6731.92**	-8.74
		1	0.000	44.89	0.21	68.44	-7.54	6836.05	**-12.11**
79			18.000	**45.00**	**0.53**	**-223.16**	-7.68	5165.08	-2.62
		5		23.29	0.35	**207.21**	3.83	-5080.68	-3.07
			0.000	23.23	0.13	-35.79	**3.83**	-6623.52	-7.99
		1		44.90	0.27	19.84	**-7.68**	6994.95	**-11.01**
			1.200	44.91	0.29	3.64	-7.68	**7009.04**	-10.45
		2	2.400	38.45	0.26	-5.55	2.89	**-6784.11**	-7.86
		3	18.000	43.58	0.30	-9.35	-2.70	-55.70	**2.82**
80		1	3.600	**35.95**	**0.24**	**-90.80**	**-13.83**	5003.29	-6.39
		2		30.09	0.22	**90.23**	8.62	-5030.52	-5.65
		5		18.07	0.16	84.90	**9.45**	-4909.05	-5.09
		1	0.000	35.93	0.20	-42.20	-13.76	**5242.69**	**-7.49**
		2		30.08	0.18	41.63	8.56	**-5267.88**	-6.55
81		1	21.600	**36.08**	**0.39**	**-382.40**	**-13.86**	-107.26	**1.90**
		2		30.18	0.38	**381.83**	8.65	67.77	1.73
		5		18.16	0.32	376.49	**9.47**	73.96	1.08
		1	0.000	35.95	0.24	-90.80	-13.83	**5003.29**	**-6.39**
		2		30.09	0.22	90.23	8.62	**-5030.52**	-5.65
82	9	1		**0.40**	4.35	390.46	**107.26**	13.86	**-1.90**
		3	3.850	0.15	**4.41**	-0.60	21.74	0.56	**15.12**
		1		0.39	4.32	**390.46**	107.25	**1517.12**	14.73
		2		0.38	4.29	**-390.04**	-67.76	**-1510.30**	14.77
		5	0.000	0.32	2.77	-380.87	**-73.96**	-9.47	-1.08
83	11	2	0.691	**600.42**	0.00	-1738.17	0.04	314.38	-0.07
		4		**-392.52**	-0.00	-1307.61	0.01	-771.27	-0.05
		1		-338.19	**0.01**	-1991.47	0.02	**-955.71**	-0.07
		5		533.45	**-0.00**	-1061.10	0.03	471.01	-0.05
		1	0.345	-338.17	0.01	**-1991.47**	0.02	-267.93	-0.08
		2	0.000	600.36	0.00	-1738.19	**0.04**	**1514.75**	-0.07
		3		132.46	0.01	-1943.79	0.04	1020.52	**-0.08**
84		2		**602.35**	-0.01	27.21	**0.04**	314.38	-0.07
		4		**-394.00**	-0.01	180.45	0.01	-771.27	-0.05
		1		-340.39	**-0.01**	247.76	0.02	**-955.71**	-0.07
			0.425	-340.39	-0.01	**247.77**	0.02	-850.42	-0.08
		5	0.000	534.51	-0.01	**-35.16**	0.03	**471.01**	-0.05
		3	0.425	132.58	-0.01	137.95	0.03	-263.34	**-0.08**
85	15	2	7.134	**602.49**	-0.01	-211.19	0.04	-70.68	-0.14
		4	0.000	**-393.97**	-0.01	156.87	0.01	-694.59	-0.06
		1		-340.36	**-0.01**	216.33	0.02	-850.42	-0.08
			3.567	-340.00	-0.01	**216.89**	0.02	-77.43	-0.12
		2	10.701	601.85	-0.01	**-420.46**	0.04	**-1189.36**	-0.17

the scale towards document
Patch Reference numbers on UTT
greening Scan Reference Chart TC23 Serial No. 549

staaf	doorsn.	non.	c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
				0.000	602.31	-0.01	-4.23	**0.04**	325.94	-0.08
			5		534.49	-0.01	-58.73	0.03	**456.08**	-0.05
			1	10.701	-339.95	-0.01	-199.89	0.02	-9.78	**-0.20**
86	11		2	0.000	**601.82**	-0.01	-451.90	0.04	-1189.36	-0.17
			4		**-393.75**	-0.01	-70.63	0.02	**264.20**	-0.14
			1		-339.92	**-0.01**	-231.33	0.02	-9.78	-0.20
			2	0.425	601.81	-0.01	**-451.91**	**0.04**	**-1381.35**	-0.17
			1		-339.92	-0.01	-231.33	0.02	-108.07	**-0.20**
87			2	1.248	**604.74**	-0.03	2137.64	0.03	1285.74	-0.21
			4	2.496	**-396.35**	-0.02	1978.73	-0.01	5173.02	-0.19
			3		131.97	**-0.04**	2612.43	-0.02	5773.42	-0.29
			1	0.000	-342.94	-0.04	**2871.23**	0.02	-108.07	-0.20
			2		604.74	-0.03	2137.64	**0.04**	**-1381.35**	-0.17
			1	2.496	-344.18	-0.04	2871.08	**-0.04**	**7057.95**	**-0.30**
88	7			3.850	**-14.37**	**-45.32**	-460.41	-13.74	**-1780.41**	**-32.32**
			5	0.000	-7.78	-23.46	**423.99**	34.32	3.89	75.65
			1		-14.36	-45.32	**-460.41**	-13.55	-7.81	**142.16**
			2	3.850	-12.49	-38.76	421.00	**41.21**	1623.85	-24.87
			4		-9.55	-29.85	-448.01	**-19.73**	-1731.37	-21.86
			5		-7.79	-23.47	423.99	34.39	**1636.25**	-14.70
89			1		**-26.95**	-38.24	-65.98	76.68	**-2043.59**	**-42.42**
				0.000	-26.94	**-38.24**	-65.98	**76.88**	-1789.56	**104.72**
			2		-23.25	-31.58	**111.81**	-35.31	1628.04	90.83
			4	3.850	-17.74	-25.38	**-76.45**	65.83	-2033.52	-29.06
			5	0.000	-14.12	-18.87	102.86	**-42.92**	1641.35	54.90
			2	3.850	-23.25	-31.57	111.81	-35.18	**2058.50**	-30.70
90			1	0.000	**-39.49**	-34.47	**289.10**	**111.52**	**-2055.77**	**96.12**
				3.850	-39.47	**-34.49**	289.10	111.32	-942.72	**-36.53**
			5	2.567	-19.97	-16.25	**-219.16**	-77.47	1482.74	6.69
				0.000	-19.98	-16.24	-219.16	**-77.52**	2045.26	48.33
			2		-33.40	-27.55	-207.40	-70.86	**2065.53**	80.84
91			1	4.900	**-51.82**	**-29.42**	573.12	132.06	**1850.38**	**-42.91**
				0.000	-51.82	-29.36	**573.12**	**132.25**	-957.91	**101.15**
			5		-25.47	-13.58	**-481.05**	**-96.13**	1212.37	48.71
				4.900	-25.47	-13.62	-481.05	-96.05	**-1144.78**	-17.93
92			1		**-63.62**	**-18.23**	814.69	0.12	**5825.10**	0.61
				0.000	-63.51	-18.23	**814.70**	**0.13**	1833.08	**89.96**
			2		-51.96	-14.53	**-770.14**	-0.08	-994.21	71.58
				4.900	-52.04	-14.53	-770.13	**-0.08**	-4767.89	0.39
			5		-30.64	-8.54	-768.49	-0.05	**-4897.12**	0.41
93	13		1	0.000	**192.87**	0.08	4.51	-0.00	-0.00	0.00
				1.116	192.87	**0.08**	**4.51**	**0.00**	**5.04**	**0.09**
			2		92.78	0.08	3.98	**-0.00**	4.44	0.08
94			1	0.000	**900.00**	**-0.18**	**-9.77**	**0.00**	**28.40**	**0.52**
			5		**-632.70**	-0.09	-5.19	-0.00	15.15	0.25
			2		-586.51	-0.14	-8.22	**-0.00**	24.02	0.41
95	10		1		**900.01**	-0.16	-9.16	**0.00**	0.00	0.00
			5		**-632.70**	-0.09	-4.89	0.00	-0.00	0.00
			1	3.550	900.01	**-0.17**	**-9.16**	**-0.00**	**-32.46**	**-0.59**
96				2.383	**192.87**	0.08	4.54	-0.00	-21.64	-0.39
				0.000	192.87	**0.08**	**4.54**	**-0.00**	**-32.46**	**-0.59**



staaf	doorsn.	non.	c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
97	11	2			**1.71**	-0.01	1490.82	0.00	0.00	0.00
		1		0.759	**-2.45**	-0.02	2464.46	**0.01**	**1869.70**	**-0.02**
				0.000	-2.36	**-0.02**	**2464.46**	0.00	0.00	0.00
98				2.554	**2.53**	0.02	-1529.27	0.00	0.00	-0.00
		2		0.000	**-3.40**	0.03	-3501.52	**-0.07**	**8941.72**	**-0.08**
				2.554	-1.40	**0.03**	**-3501.52**	0.00	-0.00	-0.00
99	16	1		0.000	**-1.94**	**-0.03**	1586.07	**0.30**	**-2854.40**	**0.06**
		2			-1.35	**0.02**	-1351.06	0.20	2431.47	**-0.04**
		1		0.900	-1.88	-0.03	**1586.07**	0.15	-1427.22	0.03
		5			-1.37	0.01	**-1376.28**	0.10	1238.43	-0.01
				0.000	-1.42	0.01	-1376.28	0.21	**2476.84**	-0.03
100		1		1.800	**-2.02**	**-0.03**	1650.69	**-0.31**	**2970.69**	**-0.06**
		2			-1.30	**0.02**	-1298.25	-0.19	-2336.43	**0.04**
		1		0.000	-1.93	-0.03	**1650.69**	-0.00	0.00	-0.00
		5			-1.32	0.01	**-1344.85**	-0.00	-0.00	0.00
				1.800	-1.38	0.01	-1344.85	-0.20	**-2420.28**	0.03
101	7	1		0.000	**0.37**	9.08	214.22	77.62	-6.09	**-4.87**
		3			0.14	**9.12**	12.49	20.98	-0.17	-4.80
		1		3.850	0.36	9.07	**214.22**	**77.64**	**818.67**	30.05
		2			0.30	8.42	**-191.89**	-39.91	**-733.10**	28.03
		5			0.25	5.24	-187.15	**-46.53**	-714.93	17.44
		3			0.14	9.12	12.49	20.98	47.91	**30.33**
102		1		0.000	**0.31**	**1.43**	109.42	89.62	813.87	26.50
				3.850	0.31	1.42	**109.42**	**89.63**	**1235.13**	31.94
		2			0.26	1.29	**-97.99**	-50.74	**-1105.79**	29.75
		5			0.19	0.80	-96.66	**-57.39**	-1082.61	18.53
		3			0.20	1.39	6.33	21.56	72.20	**32.15**
103		1		0.000	**0.32**	**1.25**	107.85	106.95	1232.81	30.24
				3.850	0.32	1.25	**107.85**	**106.96**	**1648.04**	**34.96**
		5			0.20	0.36	**-91.62**	**-74.31**	-1433.08	18.95
		2			0.27	0.70	-89.22	-67.92	**-1446.94**	30.92
104		1		0.000	**0.37**	-0.81	**169.18**	127.49	1647.17	**35.34**
		2		4.900	0.30	**-1.09**	-145.17	-90.16	-2157.17	25.92
		5		0.000	0.24	-0.71	**-149.32**	-95.87	-1432.06	19.22
		1		4.900	0.36	-0.82	169.18	**127.52**	**2476.14**	31.15
		5			0.23	-0.72	-149.32	**-95.88**	**-2163.74**	15.57
105		1		0.000	**0.42**	**-6.92**	266.81	0.06	2473.53	**34.33**
				4.900	0.39	-6.92	**266.81**	**0.07**	**3780.90**	0.44
		5		3.675	0.26	-3.47	**-229.66**	-0.03	-3004.99	4.57
		2		4.900	0.30	-5.81	-218.86	**-0.05**	-3226.79	0.29
		5			0.25	-3.47	-229.66	-0.03	**-3286.33**	0.31
106	16	1		0.000	**-0.83**	**-0.02**	1050.53	**0.22**	**-1890.61**	**0.03**
		2			-0.61	**0.01**	-896.42	0.15	1613.26	**-0.02**
		1		0.900	-0.81	-0.02	**1050.53**	0.11	-945.31	0.02
		5		0.000	-0.63	0.01	**-912.99**	0.15	**1643.08**	-0.02
107		1		1.800	**-0.83**	**-0.02**	1050.36	**-0.22**	**1890.29**	**-0.03**
		2			-0.61	**0.01**	-896.57	-0.15	-1613.53	**0.02**
		1		0.000	-0.80	-0.02	**1050.36**	-0.00	0.00	-0.00
		5			-0.60	0.01	**-913.08**	-0.00	-0.00	0.00
				1.800	-0.63	0.01	-913.08	-0.15	**-1643.25**	0.02
108	20	1		0.000	**-26808.62**	**-0.00**	**0.00**	0.00	0.00	0.00

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C1 B1 A1 C2 B2 A2 B5 A5 20 18 17 16 11 10 09 03 02 01 C7 B7 A7 C8 B8 A8 C9 B9
Serial No. 549

staaf	doorsn.	non. c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
		2		-26808.61	**0.00**	-0.00	-0.00	0.00	**-0.00**
		3	23.450	-26808.60	0.00	**-0.00**	-0.00	0.00	0.00
109		2	0.000	**-2532.60**	**0.00**	**-0.00**	-0.00	0.00	**-0.00**
		1		-2532.60	**-0.00**	-0.00	0.00	0.00	**0.00**
		4		-1352.70	0.00	**0.00**	0.00	0.00	0.00
110		1		**-37632.62**	-0.00	**0.00**	0.00	0.00	0.00
		2	11.725	-37632.61	**0.00**	-0.00	-0.00	0.00	-0.00
		1		-37632.62	**-0.00**	0.00	0.00	0.00	0.00
		2	23.450	-37632.61	0.00	**-0.00**	-0.00	0.00	0.00
		1	4.937	-37632.62	-0.00	0.00	0.00	0.00	**0.00**
			18.513	-37632.62	-0.00	-0.00	0.00	0.00	**-0.00**
111			0.000	**-18564.60**	**-0.00**	-0.00	0.00	0.00	**0.00**
		3		-18564.60	-0.00	**0.00**	-0.00	0.00	0.00
			23.450	-18564.60	-0.00	**-0.00**	0.00	0.00	-0.00
112		2	0.000	**2.74**	-0.00	-0.00	0.00	**0.00**	0.00
		1		**-3.56**	-0.00	**-0.00**	0.00	-0.00	0.00
113		2		**25.93**	0.00	0.00	0.00	0.00	-0.00
		1		**-32.47**	**-0.00**	**0.00**	0.00	**-0.00**	**0.00**
		5		15.16	0.00	**-0.00**	0.00	0.00	**-0.00**
114		2		**28.48**	-0.00	0.00	0.00	0.00	-0.00
		1		**-33.26**	**-0.00**	**0.00**	0.00	**-0.00**	**0.00**
		5	12.281	16.23	0.00	**-0.00**	0.00	-0.00	**-0.00**
115		2	0.000	**8.20**	0.00	-0.00	0.00	0.00	-0.00
		1		**-8.04**	-0.00	**0.00**	0.00	**-0.00**	**0.00**
		3		0.09	-0.00	**-0.00**	0.00	-0.00	0.00
		5		4.37	0.00	-0.00	0.00	**0.00**	**-0.00**

Vervormingen van staven. Lokale extremen

Lineair statisch - extreme van alle combinaties
Groep van staven:42
Groep van belastinggevallen:1, Wind

staaf	doorsn.	BG	dx [m]	ux [mm]	uy [mm]	uz [mm]	fix [mrad]	fiy [mrad]	fiz [mrad]
42	3	1	0.000	2.09	0.00	**16.74**	-0.00	0.27	-0.00
				2.09	-0.00	**16.74**	-0.00	0.27	-0.00
			2.100	2.07	-0.00	**16.12**	-0.00	0.28	-0.00
				2.07	-0.00	**16.12**	-0.00	0.28	-0.00

ARCADIS
Infrastructuur, gebouwen, milieu, communications
Werknr. 327/256
Onderdeel Naam Datum Pag. B.2

Bijlage 2

Esa-Sterkteberekening Ringvijver

(pag 1 t/m 37)

Basisgegevens
Structuurtype : Raamwerk XYZ

Aantal knopen:	93
Aantal staven:	106
Aantal 1D macro's:	79
Aantal randlijnen:	0
Aantal 2D macro's:	0
Aantal profielen:	20
Aantal belastingsgev.:	6
Aantal materialen:	1

Materiaal

Naam		
B 35 aanp. E		
	E-modulus	15000.00 MPa
	Poisson coëff.	0.20
	Specifiek gewicht	2500.000 kg/m^3
	Uitzettingscoëff.	0.01 mm/m.K

Materialenlijst
Groep staven:
1/106

nr.	Naam	Kwaliteit	Eenh. gewicht kg/m	Lengte m	Massa kg
3	REC (9200,250)	B 35 aanp. E	5750.00	7.20	41400.00
4	REC (750,600)	B 35 aanp. E	1125.00	42.80	48150.00
5	REC (18000,280)	B 35 aanp. E	12600.00	112.50	1417499.99
7	trappenhuis vol (Numeriek)	B 35 aanp. E	10875.00	21.35	232181.24
8	REC (18000,250)	B 35 aanp. E	11250.00	54.00	607500.00
9	achterwand met koppelstaven (Numeriek)	B 35 aanp. E	9000.00	21.35	192149.99
10	REC (5600,250)	B 35 aanp. E	3500.00	21.40	74900.00
11	REC (4000,250)	B 35 aanp. E	2500.00	19.46	48656.11
13	REC (7000,250)	B 35 aanp. E	4375.00	8.08	35332.50
14	REC (5000,250)	B 35 aanp. E	3125.00	4.04	12618.75
15	REC (2000,400)	B 35 aanp. E	2000.00	10.70	21401.78
16	REC (4000,600)	B 35 aanp. E	6000.00	3.60	21596.00
18	kopgevel smal (Numeriek)	B 35 aanp. E	3156.25	39.70	125303.13
20	REC (10000,10000)	B 35 aanp. E	250000.00	113.66	28415750.00

Totaal gewicht van constructie: 31294439.50 kg
Verfoppervlakte: 11541.95 m^2

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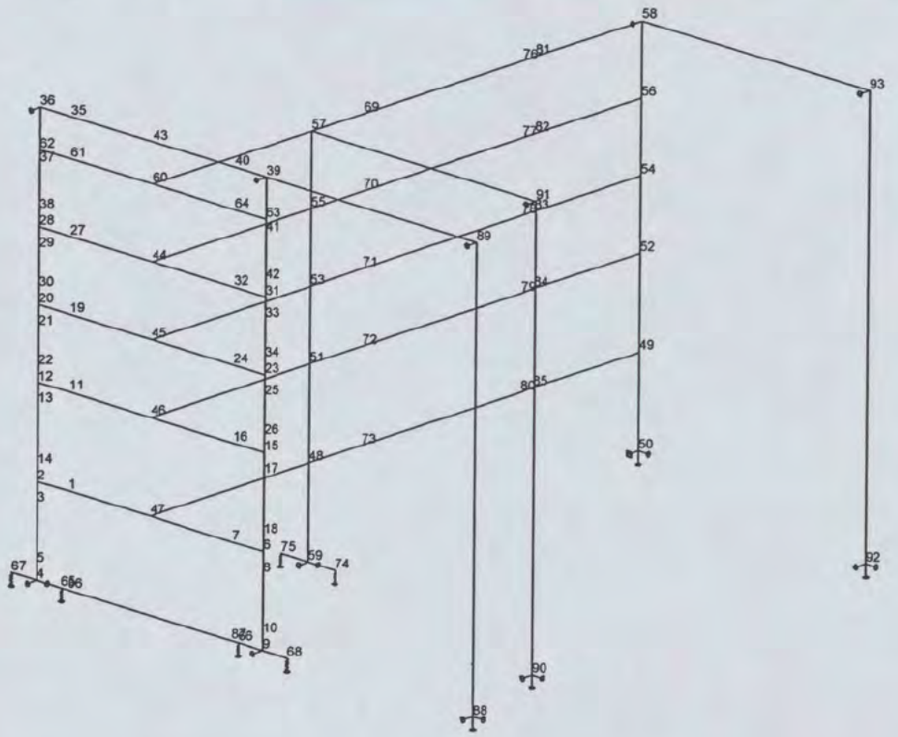
Serial No. 549



knopen

Knopen

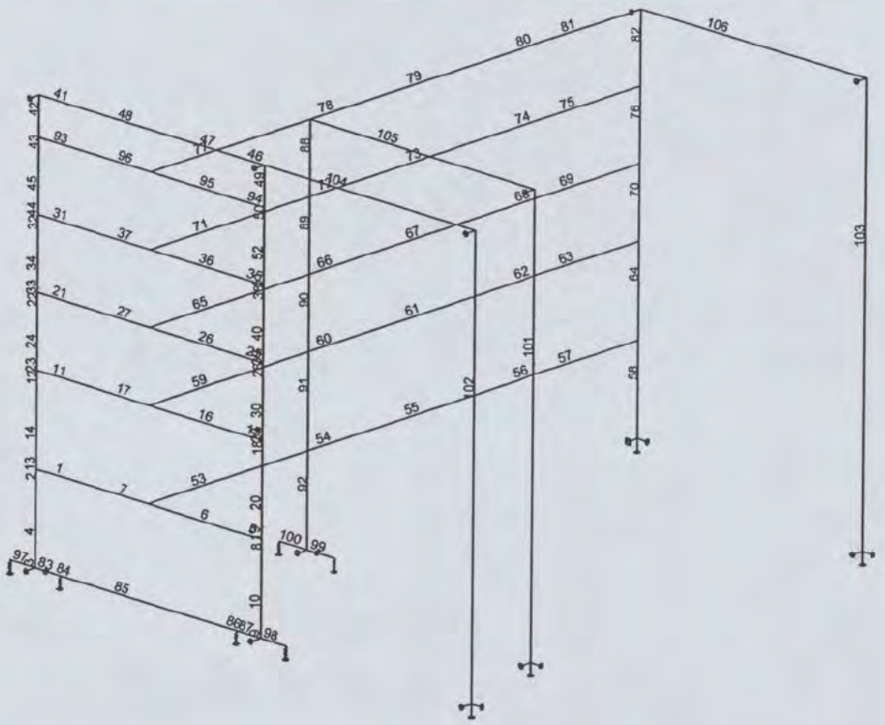
knoop	X m	Y m	Z m
1	0.000	10.750	4.900
2	0.000	12.769	4.900
3	-0.000	12.769	3.800
4	0.000	12.769	0.000
5	0.000	12.769	0.800
6	-0.000	-1.969	4.900
7	0.000	0.050	4.900
8	-0.000	-1.969	3.800
9	0.000	-1.969	0.000
10	0.000	-1.969	0.800
11	0.000	10.750	9.800
12	0.000	12.769	9.800
13	0.000	12.769	8.700
14	0.000	12.769	5.700
15	-0.000	-1.969	9.800
16	0.000	0.050	9.800
17	-0.000	-1.969	8.700
18	0.000	-1.969	5.700
19	0.000	10.750	13.650
20	0.000	12.769	13.650
21	0.000	12.769	12.550

knoop	X m	Y m	Z m
22	0.000	12.769	10.600
23	-0.000	-1.969	13.650
24	0.000	0.050	13.650
25	0.000	-1.969	12.550
26	0.000	-1.969	10.600
27	0.000	10.750	17.500
28	0.000	12.769	17.500
29	0.000	12.769	16.400
30	0.000	12.769	14.450
31	-0.000	-1.969	17.500
32	0.000	0.050	17.500
33	0.000	-1.969	16.400
34	0.000	-1.969	14.450
35	0.000	10.750	23.450
36	0.000	12.769	23.450
37	0.000	12.769	20.650
38	0.000	12.769	18.300
39	-0.000	-1.969	23.450
40	0.000	0.050	23.450
41	0.000	-1.969	20.650
42	0.000	-1.969	18.300

knoop	X m	Y m	Z m
43	0.000	5.400	23.450
44	0.000	5.400	17.500
45	0.000	5.400	13.650
46	0.000	5.400	9.800
47	0.000	5.400	4.900
48	10.800	5.400	4.900
49	33.300	5.400	4.900
50	33.300	5.400	0.000
51	10.800	5.400	9.800
52	33.300	5.400	9.800
53	10.800	5.400	13.650
54	33.300	5.400	13.650
55	10.800	5.400	17.500
56	33.300	5.400	17.500
57	10.800	5.400	21.350
58	33.300	5.400	21.350
59	10.800	5.400	0.000
60	0.000	5.400	21.350
61	0.000	10.750	21.350
62	0.000	12.769	21.350
63	-0.000	-1.969	21.350
64	-0.000	0.050	21.350
65	0.000	11.175	0.000
66	0.000	-0.375	0.000
67	0.000	14.425	0.000
68	0.000	-3.625	0.000

knoop	X m	Y m	Z m
69	14.400	5.400	21.350
70	14.400	5.400	17.500
71	14.400	5.400	13.650
72	14.400	5.400	9.800
73	14.400	5.400	4.900
74	10.800	3.600	0.000
75	10.800	7.200	0.000
76	25.200	5.400	21.350
77	25.200	5.400	17.500
78	25.200	5.400	13.650
79	25.200	5.400	9.800
80	25.200	5.400	4.900
81	26.100	5.400	21.350
82	26.100	5.400	17.500
83	26.100	5.400	13.650
84	26.100	5.400	9.800
85	26.100	5.400	4.900
86	0.000	10.750	0.000
87	0.000	0.050	0.000
88	0.000	-15.808	0.000
89	-0.000	-15.808	23.450
90	10.800	-9.337	-2.100
91	10.800	-9.337	21.350
92	33.300	-9.337	-2.100
93	33.300	-9.337	21.350





staven

Staven

macro	staaf	knoop 1	knoop 2	Lengte m	Rx deg	Profiel	Kwaliteit
1	1	1	2	2.019	0.00	14 - REC (5000,250)	B 35 aanp. E
2	2	2	3	1.100	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
3	3	4	5	0.800	90.00	3 - REC (9200,250)	B 35 aanp. E
4	4	5	3	3.000	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
5	5	6	7	2.019	0.00	14 - REC (5000,250)	B 35 aanp. E
	6	7	47	5.350	0.00	4 - REC (750,600)	B 35 aanp. E
	7	47	1	5.350	0.00	4 - REC (750,600)	B 35 aanp. E
6	8	6	8	1.100	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
7	9	9	10	0.800	90.00	3 - REC (9200,250)	B 35 aanp. E
8	10	10	8	3.000	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
9	11	11	12	2.019	0.00	11 - REC (4000,250)	B 35 aanp. E
10	12	12	13	1.100	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
11	13	2	14	0.800	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
12	14	14	13	3.000	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
13	15	15	16	2.019	0.00	11 - REC (4000,250)	B 35 aanp. E
14	16	16	46	5.350	0.00	4 - REC (750,600)	B 35 aanp. E
	17	46	11	5.350	0.00	4 - REC (750,600)	B 35 aanp. E
15	18	15	17	1.100	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
16	19	6	18	0.800	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
17	20	18	17	3.000	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
18	21	19	20	2.019	0.00	11 - REC (4000,250)	B 35 aanp. E
19	22	20	21	1.100	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
20	23	12	22	0.800	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
21	24	22	21	1.950	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
22	25	23	24	2.019	0.00	11 - REC (4000,250)	B 35 aanp. E

macro	staaf	knoop 1	knoop 2	Lengte m	Rx deg	Profiel	Kwaliteit
23	26	24	45	5.350	0.00	4 - REC (750,600)	B 35 aanp. E
	27	45	19	5.350	0.00	4 - REC (750,600)	B 35 aanp. E
24	28	23	25	1.100	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
25	29	15	26	0.800	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
26	30	26	25	1.950	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
27	31	27	28	2.019	0.00	11 - REC (4000,250)	B 35 aanp. E
28	32	28	29	1.100	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
29	33	20	30	0.800	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
30	34	30	29	1.950	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
31	35	31	32	2.019	0.00	11 - REC (4000,250)	B 35 aanp. E
32	36	32	44	5.350	0.00	4 - REC (750,600)	B 35 aanp. E
	37	44	27	5.350	0.00	4 - REC (750,600)	B 35 aanp. E
33	38	31	33	1.100	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
34	39	23	34	0.800	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
35	40	34	33	1.950	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
36	41	35	36	2.019	0.00	13 - REC (7000,250)	B 35 aanp. E
37	42	36	62	2.100	90.00	3 - REC (9200,250)	B 35 aanp. E
	43	62	37	0.700	90.00	3 - REC (9200,250)	B 35 aanp. E
38	44	28	38	0.800	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
39	45	38	37	2.350	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
40	46	39	40	2.019	0.00	13 - REC (7000,250)	B 35 aanp. E
41	47	40	43	5.350	0.00	10 - REC (5600,250)	B 35 aanp. E
	48	43	35	5.350	0.00	10 - REC (5600,250)	B 35 aanp. E
42	49	39	63	2.100	90.00	3 - REC (9200,250)	B 35 aanp. E
	50	63	41	0.700	90.00	3 - REC (9200,250)	B 35 aanp. E
43	51	31	42	0.800	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
44	52	42	41	2.350	90.00	18 - kopgevel smal (Numeriek)	B 35 aanp. E
45	53	47	48	10.800	90.00	8 - REC (18000,250)	B 35 aanp. E
46	54	48	73	3.600	90.00	5 - REC (18000,280)	B 35 aanp. E
	55	73	80	10.800	90.00	5 - REC (18000,280)	B 35 aanp. E
	56	80	85	0.900	90.00	5 - REC (18000,280)	B 35 aanp. E
	57	85	49	7.200	90.00	5 - REC (18000,280)	B 35 aanp. E
47	58	49	50	4.900	90.00	9 - achterwand met koppelsta...	B 35 aanp. E
48	59	46	51	10.800	90.00	8 - REC (18000,250)	B 35 aanp. E
49	60	51	72	3.600	90.00	5 - REC (18000,280)	B 35 aanp. E
	61	72	79	10.800	90.00	5 - REC (18000,280)	B 35 aanp. E
	62	79	84	0.900	90.00	5 - REC (18000,280)	B 35 aanp. E
	63	84	52	7.200	90.00	5 - REC (18000,280)	B 35 aanp. E
50	64	52	49	4.900	90.00	9 - achterwand met koppelsta...	B 35 aanp. E
51	65	45	53	10.800	90.00	8 - REC (18000,250)	B 35 aanp. E
52	66	53	71	3.600	90.00	5 - REC (18000,280)	B 35 aanp. E
	67	71	78	10.800	90.00	5 - REC (18000,280)	B 35 aanp. E
	68	78	83	0.900	90.00	5 - REC (18000,280)	B 35 aanp. E
	69	83	54	7.200	90.00	5 - REC (18000,280)	B 35 aanp. E
53	70	54	52	3.850	90.00	9 - achterwand met koppelsta...	B 35 aanp. E
54	71	44	55	10.800	90.00	8 - REC (18000,250)	B 35 aanp. E
55	72	55	70	3.600	90.00	5 - REC (18000,280)	B 35 aanp. E
	73	70	77	10.800	90.00	5 - REC (18000,280)	B 35 aanp. E
	74	77	82	0.900	90.00	5 - REC (18000,280)	B 35 aanp. E
	75	82	56	7.200	90.00	5 - REC (18000,280)	B 35 aanp. E
56	76	56	54	3.850	90.00	9 - achterwand met koppelsta...	B 35 aanp. E
57	77	60	57	10.800	90.00	8 - REC (18000,250)	B 35 aanp. E
58	78	57	69	3.600	90.00	5 - REC (18000,280)	B 35 aanp. E
	79	69	76	10.800	90.00	5 - REC (18000,280)	B 35 aanp. E
	80	76	81	0.900	90.00	5 - REC (18000,280)	B 35 aanp. E
	81	81	58	7.200	90.00	5 - REC (18000,280)	B 35 aanp. E
59	82	58	56	3.850	90.00	9 - achterwand met koppelsta...	B 35 aanp. E
60	83	4	65	1.594	0.00	11 - REC (4000,250)	B 35 aanp. E
	84	65	86	0.425	0.00	11 - REC (4000,250)	B 35 aanp. E
	85	86	87	10.701	0.00	15 - REC (2000,400)	B 35 aanp. E

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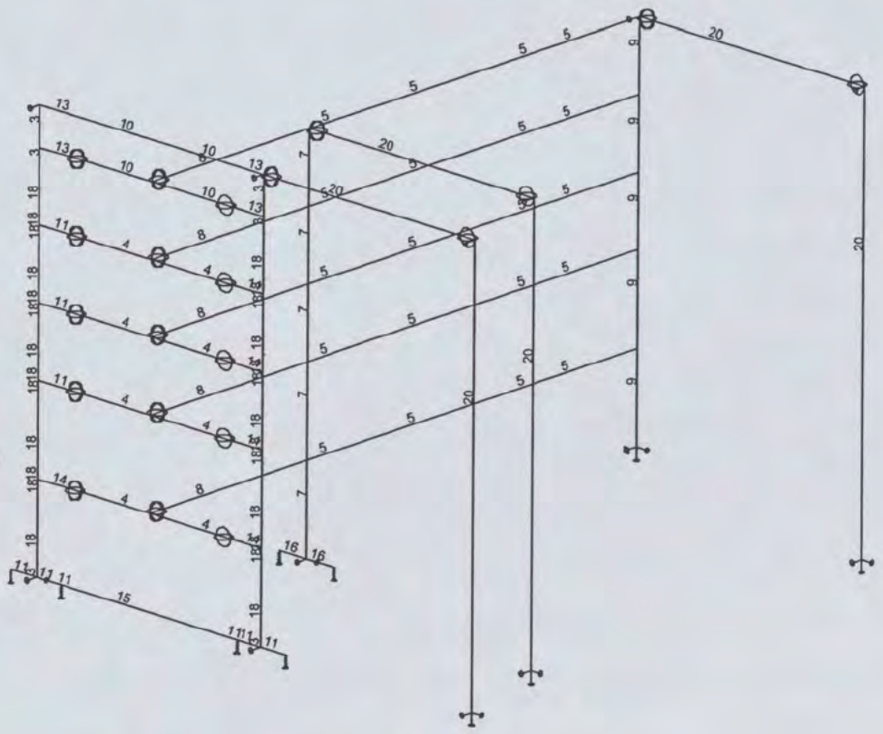
macro	staaf	knoop 1	knoop 2	Lengte m	Rx deg	Profiel	Kwaliteit
	86	87	66	0.425	0.00	11 - REC (4000,250)	B 35 aanp. E
	87	66	9	1.594	0.00	11 - REC (4000,250)	B 35 aanp. E
61	88	57	55	3.850	90.00	7 - trappenhuis vol (Numerie...	B 35 aanp. E
62	89	55	53	3.850	90.00	7 - trappenhuis vol (Numerie...	B 35 aanp. E
63	90	53	51	3.850	90.00	7 - trappenhuis vol (Numerie...	B 35 aanp. E
64	91	51	48	4.900	90.00	7 - trappenhuis vol (Numerie...	B 35 aanp. E
65	92	48	59	4.900	90.00	7 - trappenhuis vol (Numerie...	B 35 aanp. E
66	93	61	62	2.019	0.00	13 - REC (7000,250)	B 35 aanp. E
67	94	63	64	2.019	0.00	13 - REC (7000,250)	B 35 aanp. E
68	95	64	60	5.350	0.00	10 - REC (5600,250)	B 35 aanp. E
69	96	60	61	5.350	0.00	10 - REC (5600,250)	B 35 aanp. E
70	97	67	4	1.656	0.00	11 - REC (4000,250)	B 35 aanp. E
71	98	9	68	1.656	0.00	11 - REC (4000,250)	B 35 aanp. E
72	99	59	74	1.800	0.00	16 - REC (4000,600)	B 35 aanp. E
73	100	75	59	1.800	0.00	16 - REC (4000,600)	B 35 aanp. E
74	101	91	90	23.450	0.00	20 - REC (10000,10000)	B 35 aanp. E
75	102	89	88	23.450	0.00	20 - REC (10000,10000)	B 35 aanp. E
76	103	93	92	23.450	0.00	20 - REC (10000,10000)	B 35 aanp. E
77	104	39	89	13.839	0.00	20 - REC (10000,10000)	B 35 aanp. E
78	105	57	91	14.737	0.00	20 - REC (10000,10000)	B 35 aanp. E
79	106	58	93	14.737	0.00	20 - REC (10000,10000)	B 35 aanp. E



doorsn. en scharn.

Profielen



REC (9200,250)

Doorsnedenr. 3 - REC (9200,250)
Materiaal : 3 - B 35 aanp. E

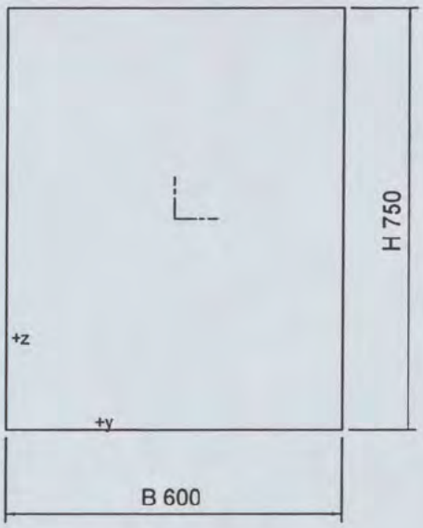
A :	2.300000e+006 mm^2		
Ay/A :	0.833	Az/A :	0.833
Iy :	1.622267e+013 mm^4	Iz :	1.197917e+010 mm^4
Iyz :	0.000000e+000 mm^4	It :	4.791187e+010 mm^4
Iw :	0.000000e+000 mm^6		
Wely :	3.526666e+009 mm^3	Welz :	9.583333e+007 mm^3
Wply :	5.290000e+009 mm^3	Wplz :	1.437500e+008 mm^3
cy :	125.00 mm	cz :	4600.00 mm
iy :	2655.81 mm	iz :	72.17 mm
dy :	0.00 mm	dz :	0.00 mm
Omtrek :		18900.00 mm	

Punten:

i	y	z	Afschuiving y	Afschuiving z	Torsie
1	250.00	0.00	0.0000	0.0000	0.0000
2	250.00	4600.00	0.0000	0.0069	0.0000
3	250.00	9200.00	0.0000	0.0000	0.0000
4	125.00	9200.00	0.0000	0.0000	0.0000

i	y	z	Afschuiving y	Afschuiving z	Torsie
5	0.00	9200.00	0.0000	0.0000	0.0000
6	0.00	4600.00	0.0000	0.0069	0.0000
7	0.00	0.00	0.0000	0.0000	0.0000
8	125.00	0.00	0.0000	0.0000	0.0000

Controletype: A-typische doorsnede



REC (750,600)

Doorsnedenr. 4 - REC (750,600)
Materiaal : 3 - B 35 aanp. E

A :	4.500000e+005 mm^2		
Ay/A :	0.833	Az/A :	0.833
Iy :	2.109375e+010 mm^4	Iz :	1.350000e+010 mm^4
Iyz :	0.000000e+000 mm^4	It :	2.771010e+010 mm^4
Iw :	0.000000e+000 mm^6		
Wely :	5.625000e+007 mm^3	Welz :	4.500000e+007 mm^3
Wply :	8.437500e+007 mm^3	Wplz :	6.750000e+007 mm^3
cy :	300.00 mm	cz :	375.00 mm
iy :	216.51 mm	iz :	173.21 mm
dy :	0.00 mm	dz :	0.00 mm
Omtrek :		2700.00 mm	

Punten:

i	y	z	Afschuiving y	Afschuiving z	Torsie
1	600.00	0.00	0.0000	0.0000	0.0000
2	600.00	375.00	0.0000	0.0002	0.0000
3	600.00	750.00	0.0000	0.0000	0.0000
4	300.00	750.00	0.0002	0.0000	0.0000
5	0.00	750.00	0.0000	0.0000	0.0000
6	0.00	375.00	0.0000	0.0002	0.0000
7	0.00	0.00	0.0000	0.0000	0.0000

the scale towards document
Patch Reference numbers on UTI
Scan Reference Chart TE263 Serial No. 543

i	y	z	Afschuiving y	Afschuiving z	Torsie
8	300.00	0.00	0.0002	0.0000	0.0000

Controletype: A-typische doorsnede



REC (18000,280)

Doorsnedenr. 5 - REC (18000,280)
Materiaal : 3 - B 35 aanp. E

A :	5.040000e+006 mm^2		
Ay/A :	0.833	Az/A :	0.833
Iy :	1.360800e+014 mm^4	Iz :	3.292800e+010 mm^4
Iyz :	0.000000e+000 mm^4	It :	1.316988e+011 mm^4
Iw :	0.000000e+000 mm^6		
Wely :	1.512000e+010 mm^3	Welz :	2.352000e+008 mm^3
Wply :	2.268000e+010 mm^3	Wplz :	3.528000e+008 mm^3
cy :	140.00 mm	cz :	9000.00 mm
iy :	5196.15 mm	iz :	80.83 mm
dy :	0.00 mm	dz :	0.00 mm
Omtrek :		36560.00 mm	

Punten:

i	y	z	Afschuiving y	Afschuiving z	Torsie
1	280.00	0.00	0.0000	0.0000	0.0000
2	280.00	9000.00	0.0000	0.0121	0.0000
3	280.00	18000.00	0.0000	0.0000	0.0000

i	y	z	Afschuiving y	Afschuiving z	Torsie
4	140.00	18000.00	0.0000	0.0000	0.0000
5	0.00	18000.00	0.0000	0.0000	0.0000
6	0.00	9000.00	0.0000	0.0121	0.0000
7	0.00	0.00	0.0000	0.0000	0.0000
8	140.00	0.00	0.0000	0.0000	0.0000

Controletype: A-typische doorsnede
Doorsnedenr. 7 - trappenhuis vol (Numeriek)
Materiaal : 3 - B 35 aanp. E

A :	4.350000e+006 mm^2		
Ay/A :	1.000	Az/A :	1.000
Iy :	9.490000e+012 mm^4	Iz :	1.000000e+012 mm^4
Iyz :	0.000000e+000 mm^4	It :	1.000000e+012 mm^4
Iw :	1.000000e+012 mm^6		
Wely :	4.870000e+009 mm^3	Welz :	1.000000e+012 mm^3
Wply :	1.000000e+012 mm^3	Wplz :	1.000000e+012 mm^3
cy :	0.00 mm	cz :	0.00 mm
iy :	1477.03 mm	iz :	479.46 mm
dy :	0.00 mm	dz :	0.00 mm
Omtrek :		0.00 mm	

Controletype: A-typische doorsnede



REC (18000,250)

Doorsnedenr. 8 - REC (18000,250)
Materiaal : 3 - B 35 aanp. E

A :	4.500000e+006 mm^2		
Ay/A :	0.833	Az/A :	0.833
Iy :	1.215000e+014 mm^4	Iz :	2.343750e+010 mm^4
Iyz :	0.000000e+000 mm^4	It :	9.374063e+010 mm^4
Iw :	0.000000e+000 mm^6		
Wely :	1.350000e+010 mm^3	Welz :	1.875000e+008 mm^3
Wply :	2.025000e+010 mm^3	Wplz :	2.812500e+008 mm^3
cy :	125.00 mm	cz :	9000.00 mm
iy :	5196.15 mm	iz :	72.17 mm
dy :	0.00 mm	dz :	0.00 mm
Omtrek :		36500.00 mm	

Punten:

i	y	z	Afschuiving y	Afschuiving z	Torsie
1	250.00	0.00	0.0000	0.0000	0.0000
2	250.00	9000.00	0.0000	0.0135	0.0000
3	250.00	18000.00	0.0000	0.0000	0.0000
4	125.00	18000.00	0.0000	0.0000	0.0000
5	0.00	18000.00	0.0000	0.0000	0.0000
6	0.00	9000.00	0.0000	0.0135	0.0000
7	0.00	0.00	0.0000	0.0000	0.0000
8	125.00	0.00	0.0000	0.0000	0.0000

Controletype: A-typische doorsnede
Doorsnedenr. 9 - achterwand met koppelstaven (Numeriek)
Materiaal : 3 - B 35 aanp. E

A :	3.600000e+006 mm^2		
Ay/A :	1.000	Az/A :	1.000
Iy :	1.555200e+013 mm^4	Iz :	1.000000e+012 mm^4
Iyz :	0.000000e+000 mm^4	It :	1.000000e+012 mm^4
Iw :	1.000000e+012 mm^6		
Wely :	1.000000e+012 mm^3	Welz :	1.000000e+012 mm^3
Wply :	1.000000e+012 mm^3	Wplz :	1.000000e+012 mm^3
cy :	0.00 mm	cz :	0.00 mm
iy :	2078.46 mm	iz :	527.05 mm
dy :	0.00 mm	dz :	0.00 mm
Omtrek :		0.00 mm	

Controletype: A-typische doorsnede

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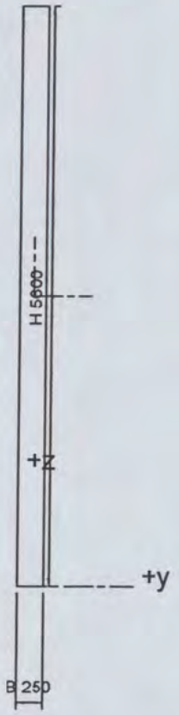

REC (5600,250)

Doorsnedenr. 10 - REC (5600,250)
Materiaal : 3 - B 35 aanp. E

A :	1.400000e+006 mm^2		
Ay/A :	0.833	Az/A :	0.833
Iy :	3.658666e+012 mm^4	Iz :	7.291667e+009 mm^4
Iyz :	0.000000e+000 mm^4	It :	2.916375e+010 mm^4
Iw :	0.000000e+000 mm^6		
Wely :	1.306667e+009 mm^3	Welz :	5.833333e+007 mm^3
Wply :	1.960000e+009 mm^3	Wplz :	8.750000e+007 mm^3
cy :	125.00 mm	cz :	2800.00 mm
iy :	1616.58 mm	iz :	72.17 mm
dy :	0.00 mm	dz :	0.00 mm
Omtrek :		11700.00 mm	

Punten:

i	y	z	Afschuiving y	Afschuiving z	Torsie
1	250.00	0.00	0.0000	0.0000	0.0000
2	250.00	2800.00	0.0000	0.0042	0.0000
3	250.00	5600.00	0.0000	0.0000	0.0000
4	125.00	5600.00	0.0000	0.0000	0.0000
5	0.00	5600.00	0.0000	0.0000	0.0000
6	0.00	2800.00	0.0000	0.0042	0.0000
7	0.00	0.00	0.0000	0.0000	0.0000

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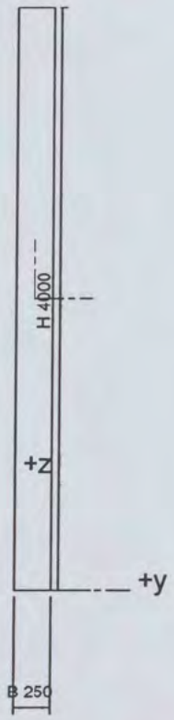
i	y	z	Afschuiving y	Afschuiving z	Torsie
8	125.00	0.00	0.0000	0.0000	0.0000

Controletype: A-typische doorsnede



REC (4000,250)

Doorsnedenr. 11 - REC (4000,250)
Materiaal : 3 - B 35 aanp. E

A :	1.000000e+006 mm^2		
Ay/A :	0.833	Az/A :	0.833
Iy :	1.333333e+012 mm^4	Iz :	5.208333e+009 mm^4
Iyz :	0.000000e+000 mm^4	It :	2.083125e+010 mm^4
Iw :	0.000000e+000 mm^6		
Wely :	6.666667e+008 mm^3	Welz :	4.166667e+007 mm^3
Wply :	1.000000e+009 mm^3	Wplz :	6.250000e+007 mm^3
cy :	125.00 mm	cz :	2000.00 mm
iy :	1154.70 mm	iz :	72.17 mm
dy :	0.00 mm	dz :	0.00 mm
Omtrek :		8500.00 mm	

Punten:

i	y	z	Afschuiving y	Afschuiving z	Torsie
1	250.00	0.00	0.0000	0.0000	0.0000
2	250.00	2000.00	0.0000	0.0030	0.0000
3	250.00	4000.00	0.0000	0.0000	0.0000

i	y	z	Afschuiving y	Afschuiving z	Torsie
4	125.00	4000.00	0.0000	0.0000	0.0000
5	0.00	4000.00	0.0000	0.0000	0.0000
6	0.00	2000.00	0.0000	0.0030	0.0000
7	0.00	0.00	0.0000	0.0000	0.0000
8	125.00	0.00	0.0000	0.0000	0.0000

Controletype: A-typische doorsnede



REC (7000,250)

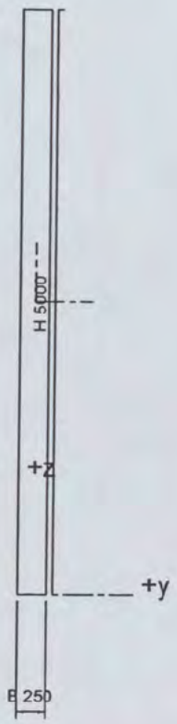
Doorsnedenr. 13 - REC (7000,250)
Materiaal : 3 - B 35 aanp. E

A :	1.750000e+006 mm^2		
Ay/A :	0.833	Az/A :	0.833
Iy :	7.145833e+012 mm^4	Iz :	9.114583e+009 mm^4
Iyz :	0.000000e+000 mm^4	It :	3.645469e+010 mm^4
Iw :	0.000000e+000 mm^6		
Wely :	2.041667e+009 mm^3	Welz :	7.291666e+007 mm^3
Wply :	3.062500e+009 mm^3	Wplz :	1.093750e+008 mm^3
cy :	125.00 mm	cz :	3500.00 mm
iy :	2020.73 mm	iz :	72.17 mm
dy :	0.00 mm	dz :	0.00 mm
Omtrek :		14500.00 mm	

Punten:

i	y	z	Afschuiving y	Afschuiving z	Torsie
1	250.00	0.00	0.0000	0.0000	0.0000
2	250.00	3500.00	0.0000	0.0053	0.0000
3	250.00	7000.00	0.0000	0.0000	0.0000
4	125.00	7000.00	0.0000	0.0000	0.0000
5	0.00	7000.00	0.0000	0.0000	0.0000
6	0.00	3500.00	0.0000	0.0053	0.0000
7	0.00	0.00	0.0000	0.0000	0.0000
8	125.00	0.00	0.0000	0.0000	0.0000

Controletype: A-typische doorsnede



REC (5000,250)

Doorsnedenr. 14 - REC (5000,250)
Materiaal : 3 - B 35 aanp. E

A :	1.250000e+006 mm^2		
Ay/A :	0.833	Az/A :	0.833
Iy :	2.604167e+012 mm^4	Iz :	6.510417e+009 mm^4
Iyz :	0.000000e+000 mm^4	It :	2.603906e+010 mm^4
Iw :	0.000000e+000 mm^6		
Wely :	1.041667e+009 mm^3	Welz :	5.208333e+007 mm^3
Wply :	1.562500e+009 mm^3	Wplz :	7.812500e+007 mm^3
cy :	125.00 mm	cz :	2500.00 mm
iy :	1443.38 mm	iz :	72.17 mm

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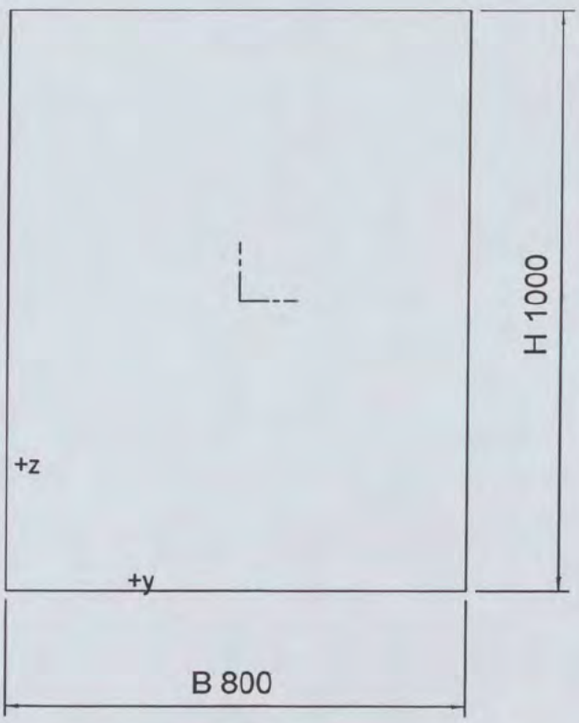
A :	1.250000e+006 mm^2		
dy :	0.00 mm	dz :	0.00 mm
Omtrek :	10500.00 mm		

Punten:

i	y	z	Afschuiving y	Afschuiving z	Torsie
1	250.00	0.00	0.0000	0.0000	0.0000
2	250.00	2500.00	0.0000	0.0037	0.0000
3	250.00	5000.00	0.0000	0.0000	0.0000
4	125.00	5000.00	0.0000	0.0000	0.0000
5	0.00	5000.00	0.0000	0.0000	0.0000
6	0.00	2500.00	0.0000	0.0037	0.0000
7	0.00	0.00	0.0000	0.0000	0.0000
8	125.00	0.00	0.0000	0.0000	0.0000

Controletype: A-typische doorsnede



REC (2000,400)

Doorsnedenr. 15 - REC (2000,400)
Materiaal : 3 - B 35 aanp. E

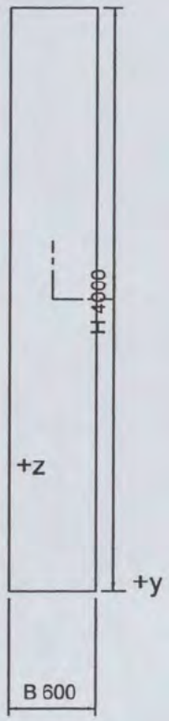
A :	8.000000e+005 mm^2		
Ay/A :	0.833	Az/A :	0.833
Iy :	2.666667e+011 mm^4	Iz :	1.066667e+010 mm^4
Iyz :	0.000000e+000 mm^4	It :	3.729920e+010 mm^4
Iw :	0.000000e+000 mm^6		

A :	8.000000e+005 mm^2		
Wely :	2.666667e+008 mm^3	Welz :	5.333333e+007 mm^3
Wply :	4.000000e+008 mm^3	Wplz :	8.000001e+007 mm^3
cy :	200.00 mm	cz :	1000.00 mm
iy :	577.35 mm	iz :	115.47 mm
dy :	0.00 mm	dz :	0.00 mm
Omtrek :		4800.00 mm	

Punten:

i	y	z	Afschuiving y	Afschuiving z	Torsie
1	400.00	0.00	0.0000	0.0000	0.0000
2	400.00	1000.00	0.0000	0.0009	0.0000
3	400.00	2000.00	0.0000	0.0000	0.0000
4	200.00	2000.00	0.0000	0.0000	0.0000
5	0.00	2000.00	0.0000	0.0000	0.0000
6	0.00	1000.00	0.0000	0.0009	0.0000
7	0.00	0.00	0.0000	0.0000	0.0000
8	200.00	0.00	0.0000	0.0000	0.0000

Controletype: A-typische doorsnede



REC (4000,600)

Doorsnedenr. 16 - REC (4000,600)
Materiaal : 3 - B 35 aanp. E

A :	2.400000e+006 mm^2		
Ay/A :	0.833	Az/A :	0.833
Iy :	3.200000e+012 mm^4	Iz :	7.200001e+010 mm^4
Iyz :	0.000000e+000 mm^4	It :	2.577888e+011 mm^4
Iw :	0.000000e+000 mm^6		
Wely :	1.600000e+009 mm^3	Welz :	2.400000e+008 mm^3
Wply :	2.400000e+009 mm^3	Wplz :	3.600000e+008 mm^3
cy :	300.00 mm	cz :	2000.00 mm
iy :	1154.70 mm	iz :	173.21 mm
dy :	0.00 mm	dz :	0.00 mm
Omtrek :		9200.00 mm	

Punten:

i	y	z	Afschuiving y	Afschuiving z	Torsie
1	600.00	0.00	0.0000	0.0000	0.0000
2	600.00	2000.00	0.0000	0.0012	0.0000
3	600.00	4000.00	0.0000	0.0000	0.0000
4	300.00	4000.00	0.0000	0.0000	0.0000
5	0.00	4000.00	0.0000	0.0000	0.0000
6	0.00	2000.00	0.0000	0.0012	0.0000
7	0.00	0.00	0.0000	0.0000	0.0000
8	300.00	0.00	0.0000	0.0000	0.0000

Controletype: A-typische doorsnede
Doorsnedenr. 18 - kopgevel smal (Numeriek)
Materiaal : 3 - B 35 aanp. E

A :	1.262500e+006 mm^2		
Ay/A :	1.000	Az/A :	1.000
Iy :	2.000000e+012 mm^4	Iz :	5.437900e+010 mm^4
Iyz :	0.000000e+000 mm^4	It :	1.000000e+012 mm^4
Iw :	1.000000e+012 mm^6		
Wely :	9.892400e+008 mm^3	Welz :	1.074300e+008 mm^3
Wply :	1.000000e+012 mm^3	Wplz :	1.000000e+012 mm^3
cy :	0.00 mm	cz :	0.00 mm
iy :	1258.63 mm	iz :	207.54 mm
dy :	0.00 mm	dz :	0.00 mm
Omtrek :		0.00 mm	

Controletype: A-typische doorsnede

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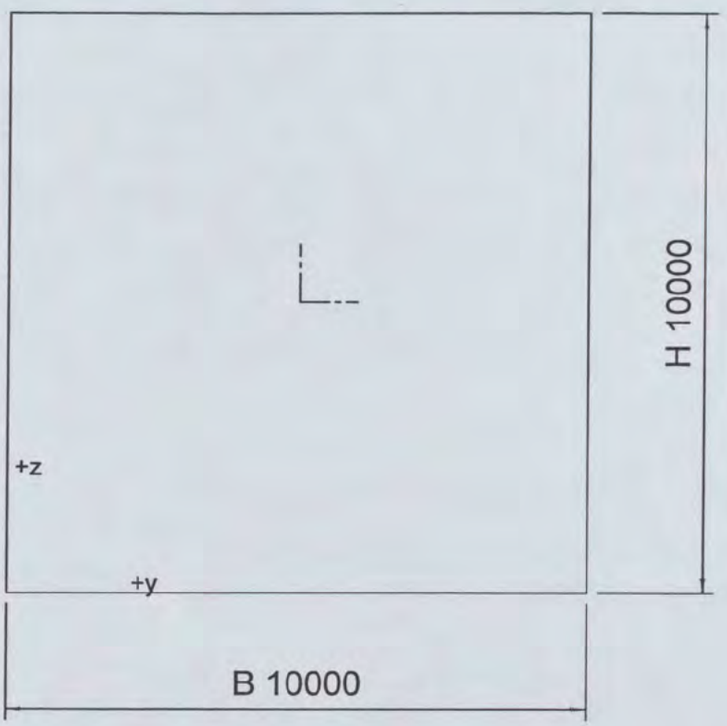

REC (10000,10000)

Doorsnedenr. 20 - REC (10000,10000)
Materiaal : 3 - B 35 aanp. E

A :	1.000000e+008 mm^2		
Ay/A :	0.833	Az/A :	0.833
Iy :	8.333333e+014 mm^4	Iz :	8.333333e+014 mm^4
Iyz :	0.000000e+000 mm^4	It :	1.406000e+015 mm^4
Iw :	0.000000e+000 mm^6		
Wely :	1.666667e+011 mm^3	Welz :	1.666667e+011 mm^3
Wply :	2.500000e+011 mm^3	Wplz :	2.500000e+011 mm^3
cy :	5000.00 mm	cz :	5000.00 mm
iy :	2886.75 mm	iz :	2886.75 mm
dy :	0.00 mm	dz :	0.00 mm
Omtrek :		40000.00 mm	

Punten:

i	y	z	Afschuiving y	Afschuiving z	Torsie
1	10000.00	0.00	0.0000	0.0000	0.0000
2	10000.00	5000.00	0.0000	0.0002	0.0000
3	10000.00	10000.00	0.0000	0.0000	0.0000
4	5000.00	10000.00	0.0002	0.0000	0.0000
5	0.00	10000.00	0.0000	0.0000	0.0000
6	0.00	5000.00	0.0000	0.0002	0.0000
7	0.00	0.00	0.0000	0.0000	0.0000

i	y	z	Afschuiving y	Afschuiving z	Torsie
8	5000.00	0.00	0.0002	0.0000	0.0000

Controletype: A-typische doorsnede

Scharnieren

staaf	type	pos
7	fixfiyfiz	eind
17	fixfiyfiz	eind
27	fixfiyfiz	eind
37	fixfiyfiz	eind
36	fiyfiz	beg
26	fiyfiz	beg
16	fiyfiz	beg
6	fiyfiz	beg
53	fixfiyfiz	beg
59	fixfiyfiz	beg
65	fixfiyfiz	beg

staaf	type	pos
71	fixfiyfiz	beg
77	fixfiyfiz	beg
95	fiyfiz	beg
96	fixfiyfiz	eind
104	fixfiyfiz	beg
	fiyfiz	eind
105	fixfiyfiz	beg
	fiyfiz	eind
106	fixfiyfiz	beg
	fiyfiz	eind

Steunpunten

Steunpunt	knoop	type	flexibiliteit MN/m-MNm/rad	Afmeting m
1	4	XY		0.20
2	9	X		0.20
3	36	X		0.20
4	39	X		0.20
5	50	XYZRx		0.20
6	58	X		0.20
7	59	XY		0.20
8	65	Z	kz =170.00	0.20
9	66	Z	kz =170.00	0.20
10	67	Z	kz =255.00	0.20
11	68	Z	kz =255.00	0.20
12	74	Z	kz =850.00	0.20
13	75	Z	kz =850.00	0.20
14	88	XYZ		0.20
15	89	X		0.20
16	90	XYZ		0.20
17	91	X		0.20
18	92	XYZ		0.20
19	93	X		0.20

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Belastinggevallen

BG	Naam	Omschrijving
1	Wind	Variabel - ver bel vl excl.
2	pb vloer	Permanent - Lasten
3	vb vloer	Variabel - ver bel vl excl. Korte termijn
4	wand	Permanent - Lasten
5	mom.vb 4de verd.	Variabel - ver bel vl excl.
6	kolommen en kernen	Permanent - Lasten

Groep van variabele lasten

Naam			Omschrijving
ver bel vl	excl.	NEN - momentaan factor = 0.50	

BG nr. 1 - verdeelde lasten

macro	type	dx m	exY m	exZ m		X beg eind	Y beg eind	Z beg eind
45	Kracht	0.00 rel	0.00	0.00	lok	0.00	0.00	-6.50
	kN/m	1.00			len	0.00	0.00	-6.50
46	Kracht	0.00 rel	0.00	0.00	lok	0.00	0.00	-6.50
	kN/m	1.00			len	0.00	0.00	-6.50
48	Kracht	0.00 rel	0.00	0.00	lok	0.00	0.00	-5.80
	kN/m	1.00			len	0.00	0.00	-5.80
49	Kracht	0.00 rel	0.00	0.00	lok	0.00	0.00	-5.80
	kN/m	1.00			len	0.00	0.00	-5.80
51	Kracht	0.00 rel	0.00	0.00	lok	0.00	0.00	-5.10
	kN/m	1.00			len	0.00	0.00	-5.10
52	Kracht	0.00 rel	0.00	0.00	lok	0.00	0.00	-5.10
	kN/m	1.00			len	0.00	0.00	-5.10
54	Kracht	0.00 rel	0.00	0.00	lok	0.00	0.00	-5.10
	kN/m	1.00			len	0.00	0.00	-5.10
55	Kracht	0.00 rel	0.00	0.00	lok	0.00	0.00	-5.10
	kN/m	1.00			len	0.00	0.00	-5.10
57	Kracht	0.00 rel	0.00	0.00	lok	0.00	0.00	-9.00
	kN/m	1.00			len	0.00	0.00	-9.00
58	Kracht	0.00 rel	0.00	0.00	lok	0.00	0.00	-9.00
	kN/m	1.00			len	0.00	0.00	-9.00

BG nr. 2 - knooplasten

knoop	Fx kN	Fy kN	Fz kN	Mx kNm	My kNm	Mz kNm
89	0.00	0.00	-1256.00	0.00	0.00	0.00
91	0.00	0.00	-11623.00	0.00	0.00	0.00
93	0.00	0.00	-7854.00	0.00	0.00	0.00

BG nr. 2 - puntlasten

staaf	type	dx m	exY m	exZ m		X	Y	Z
3	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-58.40
9	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-58.40
13	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-208.50
19	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-208.50
23	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-208.50
29	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-208.50
33	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-208.50
39	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-208.50
41	Kracht kN	1.00 rel	0.00	0.00	glo	0.00	0.00	-85.10
44	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-208.50
46	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-85.10
48	Kracht kN	1.80 abs	0.00	0.00	glo	0.00	0.00	-165.50
51	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-208.50
47	Kracht kN	1.75 abs	0.00	0.00	glo	0.00	0.00	-165.50
85	Kracht kN	3.55 abs	0.00	0.00	glo	0.00	0.00	-113.30
	Kracht kN	7.15 abs	0.00	0.00	glo	0.00	0.00	-113.30

BG nr. 3 - knooplasten

knoop	Fx kN	Fy kN	Fz kN	Mx kNm	My kNm	Mz kNm
89	0.00	0.00	-972.00	0.00	0.00	0.00
91	0.00	0.00	-8991.00	0.00	0.00	0.00
93	0.00	0.00	-6075.00	0.00	0.00	0.00

BG nr. 3 - puntlasten

staaf	type	dx m	exY m	exZ m		X	Y	Z
3	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-49.60
9	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-49.60
13	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-145.80
19	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-145.80
23	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-145.80
29	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-145.80
33	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-145.80
39	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-145.80
41	Kracht kN	1.00 rel	0.00	0.00	glo	0.00	0.00	-82.60
44	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-145.80
46	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-82.60
48	Kracht kN	1.80 abs	0.00	0.00	glo	0.00	0.00	-160.40
51	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-145.80
47	Kracht kN	1.75 abs	0.00	0.00	glo	0.00	0.00	-160.40
85	Kracht kN	3.55 abs	0.00	0.00	glo	0.00	0.00	-96.20
	Kracht kN	7.15 abs	0.00	0.00	glo	0.00	0.00	-96.20

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BG nr. 4 - knooplasten

knoop	Fx kN	Fy kN	Fz kN	Mx kNm	My kNm	Mz kNm
89	0.00	0.00	-247.00	0.00	0.00	0.00
91	0.00	0.00	-2223.00	0.00	0.00	0.00
93	0.00	0.00	-1729.00	0.00	0.00	0.00

BG nr. 4 - puntlasten

staaf	type	dx m	exY m	exZ m		X	Y	Z
3	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-266.30
9	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-266.30
13	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-266.30
19	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-266.30
23	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-232.70
29	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-232.70
33	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-232.70
39	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-232.70
44	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-211.40
51	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-211.40
42	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-61.50
	Kracht kN	1.00 rel	0.00	0.00	glo	0.00	0.00	-95.50
49	Kracht kN	0.00 abs	0.00	0.00	glo	0.00	0.00	-61.50
	Kracht kN	1.00 rel	0.00	0.00	glo	0.00	0.00	-95.50

BG nr. 4 - verdeelde lasten

macro	type	dx m	exY m	exZ m		X beg eind	Y beg eind	Z beg eind
36	Kracht kN/m	0.00 rel 1.00	0.00	0.00	glo len	0.00 0.00	0.00 0.00	-33.60 -33.60
40	Kracht kN/m	0.00 rel 1.00	0.00	0.00	glo len	0.00 0.00	0.00 0.00	-33.60 -33.60
41	Kracht kN/m	0.00 rel 1.00	0.00	0.00	glo len	0.00 0.00	0.00 0.00	-33.60 -33.60

BG nr. 5 - knooplasten

knoop	Fx kN	Fy kN	Fz kN	Mx kNm	My kNm	Mz kNm
89	0.00	0.00	-146.00	0.00	0.00	0.00
91	0.00	0.00	-1349.00	0.00	0.00	0.00
93	0.00	0.00	-911.00	0.00	0.00	0.00

BG nr. 5 - puntlasten

staaf	type	dx m	exY m	exZ m		X	Y	Z
44	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-145.80
51	Kracht kN	0.00 rel	0.00	0.00	glo	0.00	0.00	-145.80

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BG nr. 6 - knooplasten

knoop	Fx kN	Fy kN	Fz kN	Mx kNm	My kNm	Mz kNm
91	0.00	0.00	-3629.00	0.00	0.00	0.00
93	0.00	0.00	-1003.00	0.00	0.00	0.00

Combinaties

Combi	Norm	BG	coëff
1.	Lineair- UGT	2 pb vloer	1.20
		3 vb vloer	0.75
		4 wand	1.20
		1 Wind	1.50
2.		2 pb vloer	1.20
		3 vb vloer	0.75
		4 wand	1.20
		1 Wind	-1.50
3.		2 pb vloer	1.20
		4 wand	1.20
		3 vb vloer	0.75

Niet-lineaire combinatie

Combi	Groep van voorvervormingen	dx mm/m	dy mm/m	Groep van voorkrommingen	BG	coëff
C 1	0	0.00	0.00	0	2 pb vloer	1.20
	0	0.00	0.00	0	4 wand	1.20
	0	0.00	0.00	0	3 vb vloer	0.75
	0	0.00	0.00	0	1 Wind	1.50
	0	0.00	0.00	0	6 kolommen en kernen	1.20
C 2	0	0.00	0.00	0	2 pb vloer	1.20
	0	0.00	0.00	0	4 wand	1.20
	0	0.00	0.00	0	3 vb vloer	0.75
	0	0.00	0.00	0	1 Wind	-1.50
	0	0.00	0.00	0	6 kolommen en kernen	1.20

Verslag berekening.

Niet-lineaire berekening

Aantal 2D elementen	0
Aantal 1D elementen	106
Aantal netknopen	93
Aantal vergelijkingen	558
Maximum iteraties	50
Type van niet-lineariteit	2de Orde

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Aantal 2D elementen	0
Aantal 1D elementen	106
Aantal netknopen	93
Aantal vergelijkingen	558
Methode (II. orde)	Timoshenko

Number Combi	Start	End	NoOfIteration
NC 1	14.01.2005 14:53	14.01.2005 14:54	3
NC 2	14.01.2005 14:54	14.01.2005 14:54	3

Reacties (alles), non. c. (alles), lokale extremen.

Groep van knopen:1/93
Groep van niet-lineaire combinaties:1/2

Steunpunt	knoop	non. c.	Rx [kN]	Ry [kN]	Rz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
5	50	2	-7.77	686.11	**-0.38**	**-10414.86**	0.00	0.00
		1	-7.77	-708.17	**-0.38**	**10446.95**	0.00	0.00
8	65		0.00	0.00	**1780.68**	0.00	0.00	0.00
		2	0.00	0.00	**1713.45**	0.00	0.00	0.00
9	66		0.00	0.00	**1820.92**	0.00	0.00	0.00
		1	0.00	0.00	**1726.79**	0.00	0.00	0.00
10	67		0.00	0.00	**2870.53**	0.00	0.00	0.00
		2	0.00	0.00	**1864.64**	0.00	0.00	0.00
11	68		0.00	0.00	**2898.67**	0.00	0.00	0.00
		1	0.00	0.00	**1919.81**	0.00	0.00	0.00
12	74	2	0.00	0.00	**783.25**	0.00	0.00	0.00
		1	0.00	0.00	**-697.14**	0.00	0.00	0.00
13	75		0.00	0.00	**746.43**	0.00	0.00	0.00
		2	0.00	0.00	**-733.84**	0.00	0.00	0.00
14	88		-0.00	-1.81	**2532.60**	0.00	0.00	0.00
		1	-0.00	1.75	**2532.60**	0.00	0.00	0.00
16	90		-0.00	15.23	**27713.25**	0.00	0.00	0.00
18	92		-0.00	4.73	**17259.45**	0.00	0.00	0.00

Interne krachten in staven. Extremen per staaf

Niet-lineaire berekening, 2de Orde
Groep van staven:1/106
Groep van niet-lineaire combinaties:1/5

staaf	doorsn.	non. c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
1	14	1	0.000	**-307.01**	-0.09	**5.29**	-0.00	-0.00	0.00
		3		-222.28	**-0.09**	5.17	0.00	0.00	0.00
		2	2.019	-126.23	-0.09	4.84	**0.00**	9.77	-0.18
		4		-215.36	-0.06	3.34	**-0.00**	6.75	-0.12
		1		-307.01	-0.09	5.29	-0.00	**10.67**	-0.18
		3		-222.28	-0.09	5.17	0.00	10.44	**-0.19**
2	18	1	1.100	**-4192.81**	-0.22	591.90	-0.28	**1465.10**	0.81
		3		-3970.18	**-0.22**	328.80	-0.29	901.67	0.85
		1	0.000	-4192.78	-0.22	**592.07**	-0.28	813.58	1.05
		5		-1993.02	-0.12	**-81.46**	-0.19	20.63	0.62
		3		-3970.17	-0.22	328.90	**-0.30**	539.75	**1.09**
		5	1.100	-1993.02	-0.12	-81.46	-0.19	**-68.99**	0.49

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staaf	doorsn.	non. c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
3		1	0.000	**-4193.00**	0.23	590.52	-0.24	**-3713.36**	**-0.05**
		3		-3970.24	**0.24**	327.91	-0.27	-2150.44	-0.02
		1	0.800	-4192.95	0.23	**590.91**	-0.25	-3240.40	0.14
		5	0.000	-1993.03	0.13	**-81.72**	-0.19	378.65	0.01
		2	0.800	-3384.97	0.21	50.64	**-0.28**	-439.27	**0.18**
		5	0.000	-1993.03	0.13	-81.40	-0.19	**378.65**	0.01
4		1		**-4192.95**	0.23	590.91	-0.25	**-3240.40**	0.14
		3		-3970.22	**0.23**	328.24	-0.27	-1887.83	0.17
		1	3.000	-4192.81	0.22	**591.90**	-0.28	-1465.10	0.81
		5		-1993.02	0.12	**-81.46**	-0.19	68.99	0.49
		3		-3970.18	0.22	328.80	**-0.29**	-901.67	**0.85**
		5	0.000	-1993.03	0.13	-81.42	-0.19	**313.37**	0.11
5	14	2		**-213.35**	0.09	-5.20	0.00	**10.50**	-0.18
		3	2.019	-192.30	**0.09**	-5.17	0.00	0.00	0.00
		2		-213.35	0.09	**-5.20**	0.00	-0.00	0.00
		5	0.000	-134.40	0.06	-3.28	**0.00**	6.62	-0.12
		1		-161.46	0.09	-4.77	**-0.00**	9.63	-0.18
		3		-192.30	0.09	-5.17	-0.00	10.43	**-0.19**
6	4	2	5.350	**-213.35**	0.09	-4.97	**0.00**	-26.77	0.47
		3	0.000	-192.30	**0.09**	**-5.22**	0.00	0.00	0.00
		1	5.350	-161.46	0.09	-4.96	**-0.00**	-26.64	0.47
		3		-192.30	0.09	-5.17	-0.00	**-27.85**	**0.49**
7		1	0.000	**-307.01**	-0.09	4.93	**-0.00**	-26.64	0.47
		3	5.350	-222.28	**-0.09**	**5.22**	0.00	0.00	0.00
		2	0.000	-126.23	-0.09	4.98	**0.00**	-26.77	0.47
		3		-222.28	-0.09	5.17	-0.00	**-27.85**	**0.49**
8	18	2	1.100	**-4266.80**	-0.22	-524.81	0.27	**-1665.71**	0.82
		3		-4044.23	**-0.22**	-305.69	0.29	-978.32	0.85
		4	0.000	-2027.66	-0.12	**50.31**	0.19	96.42	0.62
		2		-4266.77	-0.22	**-525.02**	0.28	-1087.98	1.06
		3		-4044.23	-0.22	-305.81	**0.29**	-641.82	**1.10**
		4	1.100	-2027.66	-0.12	50.30	0.19	**151.78**	0.49
9		2	0.000	**-4266.97**	0.23	-523.37	0.24	**3658.79**	**-0.05**
		3		-4044.29	**0.24**	-304.77	0.27	2139.16	-0.02
		4		-2027.66	0.13	**50.54**	0.19	-343.00	0.01
		2	0.800	-4266.93	0.23	**-523.76**	0.25	3239.58	0.14
		1		-3459.00	0.21	-72.77	**0.28**	456.37	**0.18**
		4	0.000	-2027.66	0.13	50.23	0.19	**-343.00**	0.01
10		2		**-4266.93**	0.23	-523.76	0.25	**3239.58**	0.14
		3		-4044.28	**0.23**	-305.11	0.27	1895.07	0.17
		4	3.000	-2027.66	0.12	**50.30**	0.19	-151.78	0.49
		2		-4266.80	0.22	**-524.81**	0.27	1665.71	0.82
		3		-4044.23	0.22	-305.69	**0.29**	978.32	**0.85**
		4	0.000	-2027.66	0.13	50.25	0.19	**-302.67**	0.11
11	11	1		**-91.24**	-0.13	5.29	-0.00	-0.00	0.00
		3		-81.38	**-0.13**	**5.41**	0.00	0.00	0.00
		2	2.019	-73.43	-0.13	5.12	**0.00**	10.33	-0.26
		1		-91.24	-0.13	5.29	**-0.00**	10.67	-0.26
		3		-81.38	-0.13	5.41	0.00	**10.92**	**-0.27**
12	18	1	0.000	**-3459.55**	-0.09	284.42	-0.11	**-591.74**	1.57
		3	1.100	-3236.82	**-0.10**	106.77	-0.11	123.61	1.51

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Patch Reference numbers on UTT
Scan/Reference Chart TE263 Serial No. 549

staaf	doorsn.	non. c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
		1		-3459.55	-0.10	**284.47**	-0.11	-278.73	1.47
		5		-1524.26	-0.06	**-116.52**	-0.07	457.54	0.85
		3	0.000	-3236.82	-0.09	106.78	**-0.11**	6.11	**1.61**
		2		-2651.30	-0.08	-74.52	-0.11	**587.52**	1.49
13		1		**-3459.56**	0.12	284.36	-0.10	**-802.91**	1.05
				-3459.56	**0.13**	**285.06**	-0.10	-802.90	1.05
		5		-1524.25	0.07	**-117.03**	-0.08	-14.37	0.62
		3	0.800	-3236.82	0.11	106.68	**-0.11**	-443.95	**1.19**
14		1	0.000	**-3459.55**	**0.11**	284.42	-0.11	**-575.01**	1.15
			1.500	-3459.55	0.11	**284.48**	-0.11	-148.16	1.31
		5	0.000	-1524.25	0.06	**-116.56**	-0.08	-107.83	0.67
		3	3.000	-3236.82	0.10	106.77	**-0.11**	-123.61	**1.51**
		4		-2319.53	0.06	237.56	-0.08	**322.03**	0.89
15	11	2	0.000	**-95.99**	0.13	-5.30	**0.00**	10.70	-0.26
		3	2.019	-80.72	**0.13**	**-5.41**	0.00	0.00	0.00
		1	0.000	-67.50	0.13	-5.11	**-0.00**	10.33	-0.26
		3		-80.72	0.13	-5.41	-0.00	**10.92**	**-0.27**
16	4	2	5.350	**-96.00**	0.13	-5.19	**0.00**	-27.86	0.69
		3	0.000	-80.72	**0.13**	**-5.43**	0.00	0.00	0.00
		1	5.350	-67.50	0.13	-5.19	**-0.00**	-27.80	0.69
		3		-80.72	0.13	-5.41	-0.00	**-29.00**	**0.72**
17		1	0.000	**-91.25**	-0.13	5.18	**-0.00**	-27.80	0.69
		3	5.350	-81.38	**-0.13**	**5.43**	0.00	0.00	0.00
		2	0.000	-73.43	-0.13	5.20	**0.00**	-27.86	0.69
		3		-81.38	-0.13	5.41	-0.00	**-29.00**	**0.72**
18	18	2		**-3533.45**	-0.09	-311.17	**0.11**	448.14	1.58
		3	1.100	-3310.88	**-0.10**	-113.70	0.11	-199.41	1.51
		4		-1558.81	-0.06	**132.45**	0.07	-401.21	0.85
		2		-3533.44	-0.10	**-311.21**	0.11	105.68	1.47
		5	0.000	-2354.04	-0.06	-261.22	0.08	**470.65**	0.96
		1		-2725.26	-0.08	87.66	0.11	**-578.53**	1.49
		3		-3310.88	-0.09	-113.72	0.11	-74.28	**1.62**
19		2		**-3533.46**	**0.13**	**-311.68**	0.10	1077.47	1.06
		4		-1558.81	0.07	**132.94**	0.08	-102.52	0.62
		3	0.800	-3310.88	0.11	-113.58	**0.11**	540.51	**1.19**
		2	0.000	-3533.46	0.12	-310.99	0.10	**1077.47**	1.06
		4		-1558.81	0.06	132.48	0.08	**-102.52**	0.62
20		2		**-3533.45**	**0.11**	-311.08	0.11	**828.24**	1.15
		4		-1558.81	0.06	**132.49**	0.08	3.68	0.67
		2	3.000	-3533.44	0.10	**-311.21**	**0.11**	-105.68	1.47
		5		-2354.03	0.06	-261.25	0.08	**-183.21**	0.89
		3		-3310.88	0.10	-113.70	0.11	199.41	**1.51**
21	11	1	0.000	**76.25**	-0.09	5.27	0.00	-0.00	0.00
		5		**-19.77**	-0.06	3.35	-0.00	0.00	0.00
		3	2.019	45.53	**-0.10**	**5.57**	0.00	**11.24**	**-0.20**
		2		-8.27	-0.09	5.33	**0.00**	10.76	-0.19
		4		62.18	-0.06	3.31	**-0.00**	6.68	-0.12
22	18	1	0.000	**-2779.51**	0.06	192.15	0.16	**-1343.44**	1.37
		3		-2556.88	**0.06**	25.37	**0.16**	-102.56	1.40
		1	1.100	-2779.51	0.05	**192.28**	0.15	-1131.94	1.44
		5		-1095.51	0.03	**-153.73**	0.09	1002.30	0.83

the scale towards document
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staaf	doorsn.	non. c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
			0.000	-1095.51	0.03	-153.69	0.09	**1171.41**	0.79
		3	1.100	-2556.88	0.06	25.37	0.16	-74.64	**1.47**
23		1	0.800	**-2779.49**	-0.05	192.45	0.15	**756.71**	1.54
		2		-1971.07	**-0.05**	-147.28	0.15	-695.32	1.45
		1	0.000	-2779.49	-0.04	**193.17**	0.15	602.42	1.57
		5		-1095.49	-0.03	**-154.22**	0.09	-579.19	0.91
		3		-2556.88	-0.05	25.38	**0.16**	4.82	**1.61**
		5	0.800	-1095.50	-0.03	-153.79	0.09	**-702.42**	0.89
24		1	1.950	**-2779.51**	-0.05	192.28	0.15	**1131.94**	1.44
		3		-2556.88	**-0.06**	25.37	**0.16**	74.64	1.47
		1	0.000	-2779.49	-0.05	**192.45**	0.15	756.71	1.54
		5		-1095.50	-0.03	**-153.79**	0.09	-702.42	0.89
			1.950	-1095.51	-0.03	-153.73	0.09	**-1002.30**	0.83
		3	0.000	-2556.88	-0.05	25.38	0.16	25.14	**1.57**
25	11	2	1.009	**62.60**	0.09	-5.29	0.00	5.34	-0.09
		4	0.000	**-13.06**	0.06	-3.35	-0.00	6.76	-0.13
		3		41.06	**0.10**	**-5.57**	-0.00	**11.24**	**-0.20**
		5		50.57	0.06	-3.32	**0.00**	6.71	-0.12
		1		-3.45	0.09	-5.33	**-0.00**	10.77	-0.19
26	4	2		**62.60**	0.09	-5.34	0.00	-0.00	0.00
		4	5.350	**-13.06**	0.06	-3.36	-0.00	-17.98	0.33
		3		41.06	**0.10**	**-5.57**	-0.00	**-29.75**	**0.53**
		5		50.56	0.06	-3.37	**0.00**	-18.01	0.33
		1		-3.45	0.09	-5.34	**-0.00**	-28.54	0.51
27				**76.25**	-0.09	5.33	0.00	-0.00	0.00
		5	0.000	**-19.77**	-0.06	3.36	**0.00**	-18.01	0.33
		3		45.53	**-0.10**	**5.57**	-0.00	**-29.75**	**0.53**
		1		76.25	-0.10	5.35	**-0.00**	-28.54	0.51
28	18	2		**-2853.42**	0.06	-214.19	-0.15	**1284.74**	1.38
		3		-2630.93	**0.06**	-32.97	**-0.16**	63.66	1.41
		4	1.100	-1130.06	0.03	**163.97**	-0.09	-991.69	0.83
		2		-2853.41	0.06	**-214.31**	-0.15	1048.98	1.45
		4	0.000	-1130.07	0.03	163.92	-0.09	**-1172.06**	0.79
		3	1.100	-2630.93	0.06	-32.98	-0.16	27.37	**1.47**
29		2	0.800	**-2853.40**	-0.04	-214.46	-0.15	-630.77	1.54
		1		-2045.02	**-0.05**	154.50	-0.15	**692.11**	1.46
		4	0.000	-1130.05	-0.03	**164.44**	-0.10	540.42	0.92
		2		-2853.40	-0.04	**-215.18**	-0.15	-458.84	1.58
		3		-2630.93	-0.05	-32.97	**-0.16**	63.36	**1.62**
		5	0.800	-1925.38	-0.03	-199.15	-0.09	**-636.94**	0.94
30		2	1.950	**-2853.41**	-0.06	-214.31	-0.15	**-1048.98**	1.45
		3		-2630.93	**-0.06**	-32.98	**-0.16**	-27.37	1.47
		4	0.000	-1130.05	-0.03	**164.03**	-0.10	671.83	0.89
		2		-2853.40	-0.04	**-214.46**	-0.15	-630.77	1.54
		1	1.950	-2045.03	-0.06	154.39	-0.15	**993.39**	1.35
		3	0.000	-2630.93	-0.05	-32.98	-0.16	36.96	**1.58**
31	11	1		**135.12**	-0.00	5.37	0.00	-0.00	0.00
		5	2.019	38.47	**-0.00**	3.46	0.00	6.98	**-0.01**
		3		130.09	-0.00	**5.70**	**0.00**	**11.51**	-0.00
32	18	1	0.000	**-2099.50**	0.16	267.32	**0.36**	**-2384.81**	0.77
		3		-1877.10	**0.17**	70.83	0.36	-386.70	0.77



staaf	doorsn.	non. c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
		1	1.100	-2099.48	0.16	**267.49**	0.36	-2090.59	0.94
		5		-666.88	0.10	**-173.02**	0.21	1640.76	0.53
			0.000	-666.89	0.10	-172.98	0.21	**1831.08**	0.42
		3	1.100	-1877.10	0.17	70.85	0.36	-308.75	**0.95**
33		1	0.800	**-2099.45**	-0.15	267.74	0.35	**1568.61**	1.25
		3	0.000	-1877.10	**-0.16**	70.90	0.36	113.80	1.40
		1		-2099.44	-0.15	**268.41**	0.35	1354.10	1.37
		5		-666.86	-0.10	**-173.46**	0.22	-1164.65	0.79
		3	0.800	-1877.10	-0.16	70.88	**0.36**	170.52	1.27
		5		-666.86	-0.10	-173.08	0.22	**-1303.28**	0.71
		3	0.000	-1877.10	-0.16	70.89	0.36	113.80	**1.40**
34		1	1.950	**-2099.48**	-0.16	267.49	0.36	**2090.59**	0.94
		3		-1877.10	**-0.17**	70.85	**0.36**	308.75	0.95
		1	0.000	-2099.45	-0.15	**267.74**	0.35	1568.61	1.25
		5		-666.86	-0.10	**-173.08**	0.22	-1303.28	0.71
			1.950	-666.88	-0.10	-173.02	0.21	**-1640.76**	0.53
		3	0.000	-1877.10	-0.16	70.88	0.36	170.52	**1.27**
35	11	2		**127.42**	0.00	-5.38	-0.00	10.87	-0.00
		4		40.74	**0.00**	-3.45	-0.00	6.98	**-0.01**
		3		126.56	0.00	**-5.70**	**-0.00**	**11.51**	-0.00
			2.019	126.56	0.00	-5.70	**0.00**	0.00	0.00
36	4	2	0.000	**127.42**	0.00	-5.43	0.00	-0.00	0.00
			5.350	127.41	**0.00**	-5.46	**-0.00**	-29.10	**0.02**
		3		126.56	0.00	**-5.70**	-0.00	**-30.37**	0.02
		1		80.83	0.00	-5.45	**0.00**	-29.08	0.02
37				**135.12**	-0.00	5.42	0.00	-0.00	0.00
		2	0.000	80.08	**-0.00**	5.45	**-0.00**	-29.10	**0.02**
		3		130.09	-0.00	**5.70**	-0.00	**-30.37**	0.02
		1		135.12	-0.00	5.46	**0.00**	-29.08	0.02
38	18	2		**-2173.43**	0.16	-275.68	-0.36	**2358.40**	0.77
		3		-1951.15	**0.17**	-73.96	**-0.36**	359.85	0.77
		4	1.100	-701.44	0.10	**176.54**	-0.21	-1651.13	0.53
		2		-2173.40	0.16	**-275.85**	-0.35	2054.97	0.95
		4	0.000	-701.45	0.10	176.50	-0.21	**-1845.33**	0.42
		3	1.100	-1951.15	0.17	-73.98	-0.36	278.46	**0.96**
39		2	0.800	**-2173.37**	-0.15	-276.11	-0.35	**-1516.65**	1.26
		3	0.000	-1951.15	**-0.16**	-74.04	-0.36	-74.90	1.41
		4		-701.41	-0.10	**176.98**	-0.22	1165.30	0.79
		2		-2173.36	-0.15	**-276.79**	-0.34	-1295.43	1.38
		3	0.800	-1951.15	-0.16	-74.01	**-0.36**	-134.13	1.28
		4		-701.42	-0.10	176.61	-0.22	**1306.76**	0.72
		3	0.000	-1951.15	-0.16	-74.01	-0.36	-74.90	**1.41**
40		2	1.950	**-2173.40**	-0.16	-275.85	-0.35	**-2054.97**	0.95
		3		-1951.15	**-0.17**	-73.98	**-0.36**	-278.46	0.96
		4	0.000	-701.42	-0.10	**176.61**	-0.22	1306.76	0.72
		2		-2173.37	-0.15	**-276.11**	-0.35	-1516.65	1.26
		4	1.950	-701.44	-0.10	176.54	-0.21	**1651.13**	0.53
		3	0.000	-1951.15	-0.16	-74.01	-0.36	-134.13	**1.28**
41	13		2.019	**-303.12**	0.01	-798.36	-0.02	-1820.78	0.15
		1		-250.37	**0.01**	**-1246.34**	-0.03	-4480.85	0.18
		5	0.000	-150.11	**-0.00**	**50.26**	0.00	1998.90	0.07

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staaf	doorsn	non	c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
				2.019	-150.08	-0.00	-31.15	**0.01**	2018.19	0.06
		1			-250.33	0.01	-1082.27	**-0.03**	**-4480.86**	**0.18**
		5			-150.05	-0.00	-107.74	0.01	**2018.19**	0.06
42	3	1		0.000	**-1344.86**	0.05	250.39	**0.18**	**-4480.86**	0.03
				2.100	-1344.85	**0.05**	250.47	0.17	-3954.93	0.15
		3			-1122.90	0.05	**303.10**	0.14	-1184.23	0.12
		5			-181.63	0.02	150.02	0.06	**2333.24**	0.04
		1			-1344.85	0.05	250.44	0.17	-3954.93	**0.15**
		5		0.000	-181.63	0.02	150.03	0.06	2018.19	**-0.01**
43		1			**-1453.50**	0.16	401.57	**0.39**	**-3942.92**	0.15
		3			-1231.31	**0.17**	200.84	0.37	-1171.73	0.12
		1		0.700	-1453.49	0.16	**401.58**	0.38	-3661.79	**0.26**
		5			-263.76	0.10	**-134.20**	0.21	2247.03	0.11
				0.000	-263.76	0.10	-134.20	0.21	**2340.97**	0.04
44	18	1		0.800	**-1453.39**	-0.16	401.94	**0.37**	**2717.47**	0.64
		3		0.000	-1231.29	**-0.17**	200.92	0.36	398.21	0.77
		1			-1453.37	-0.16	**402.44**	0.37	2395.66	0.77
		5			-263.73	-0.10	**-134.51**	0.22	-1824.10	0.42
				0.800	-263.73	-0.10	-134.24	0.21	**-1931.60**	0.34
		1		0.000	-1453.37	-0.16	402.04	0.37	2395.66	**0.77**
45				2.350	**-1453.49**	-0.16	401.58	**0.38**	**3661.79**	0.26
		3			-1231.30	**-0.17**	200.84	0.37	1031.13	0.24
		1		0.000	-1453.39	-0.16	**401.94**	0.37	2717.47	**0.64**
		5			-263.73	-0.10	**-134.24**	0.21	-1931.60	0.34
				2.350	-263.76	-0.10	-134.20	0.21	**-2247.03**	0.11
46	13	3		0.000	**-303.14**	-0.01	872.41	0.01	-1792.44	0.15
		4		2.019	-151.68	**0.00**	**-15.72**	-0.00	2086.72	0.07
		2		0.000	-248.13	**-0.01**	**1320.28**	0.03	-4456.61	0.18
					-248.09	-0.01	1156.21	**0.03**	**-4456.63**	**0.18**
		4			-151.65	0.00	65.70	**-0.01**	2036.26	0.07
		1		2.019	-249.97	-0.00	239.34	-0.01	**2098.19**	0.10
47	10	3		5.350	**-303.21**	-0.00	37.03	-0.00	1812.25	0.11
		1			-250.12	**0.01**	-367.23	**0.01**	1461.06	0.11
		2		0.000	-247.99	**-0.01**	**1047.69**	0.00	**-2231.72**	**0.15**
		4		5.350	-151.74	0.00	**-380.40**	0.00	889.30	0.08
		2			-247.86	-0.01	441.17	**-0.01**	1456.17	0.11
		1		1.750	-250.01	0.00	145.24	-0.00	**2434.70**	0.10
48		3		0.000	**-303.21**	-0.00	37.03	-0.00	1812.25	0.11
		1		5.350	-250.24	**0.01**	**-973.74**	-0.01	**-2405.26**	**0.16**
		2		0.000	-247.86	**-0.01**	**441.17**	**-0.01**	1456.17	0.11
		1			-250.12	0.01	-367.23	**0.01**	1461.06	0.11
		2		2.675	-247.76	-0.00	-21.56	-0.00	**2164.93**	0.11
49	3			0.000	**-1418.80**	0.06	-250.23	**-0.18**	**4456.63**	0.03
				2.100	-1418.79	**0.06**	-250.31	-0.17	3931.03	0.15
		3			-1196.95	0.05	**-303.15**	-0.14	1155.78	0.12
		4			-216.18	0.02	-150.52	-0.06	**-2352.35**	0.04
		2			-1418.79	0.05	-250.28	-0.17	3931.03	**0.15**
		4		0.000	-216.18	0.02	-150.52	-0.07	-2036.26	**-0.01**
50		2			**-1527.43**	0.16	-402.18	**-0.39**	**3918.99**	0.15
		3			-1305.36	**0.17**	-200.42	-0.37	1143.28	0.12
		4		0.700	-298.31	0.10	**135.45**	-0.21	-2265.24	0.11



staaf	doorsn.	non.	c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
		2			-1527.43	0.16	**-402.20**	-0.38	3637.42	**0.26**
		4		0.000	-298.31	0.10	135.44	-0.21	**-2360.06**	0.04
51	18	2		0.800	**-1527.33**	-0.16	-402.58	**-0.37**	**-2691.61**	0.64
		3		0.000	-1305.34	**-0.17**	-200.52	-0.36	-371.36	0.77
		4			-298.28	-0.10	**135.76**	-0.22	1838.35	0.42
		2			-1527.30	-0.16	**-403.10**	-0.36	-2369.27	0.77
		4		0.800	-298.29	-0.10	135.49	-0.22	**1946.86**	0.34
		2		0.000	-1527.30	-0.16	-402.68	-0.36	-2369.27	**0.77**
52				2.350	**-1527.43**	-0.16	-402.20	**-0.38**	**-3637.42**	0.26
		3			-1305.36	**-0.17**	-200.42	-0.37	-1002.97	0.24
		4		0.000	-298.29	-0.10	**135.49**	-0.22	1946.86	0.34
		2			-1527.33	-0.16	**-402.58**	-0.37	-2691.61	**0.64**
		4		2.350	-298.31	-0.10	135.45	-0.21	**2265.24**	0.11
53	8	3		0.000	**0.20**	-10.34	29.98	0.00	-0.00	**0.00**
				10.800	0.18	**-10.35**	29.98	-0.00	323.83	**-111.72**
		1		0.000	0.17	-10.02	**145.55**	0.00	-0.00	0.00
		5			0.11	-6.36	**-98.83**	-0.00	0.00	0.00
		4		10.800	0.11	-6.26	27.43	**0.00**	864.86	-67.96
		2			0.18	-9.96	18.18	**-0.01**	-372.23	-107.93
		1			0.17	-9.94	40.25	0.00	**1003.31**	-107.81
		5		9.600	0.11	-6.29	-5.23	-0.00	**-499.49**	-60.69
54	5	3		0.000	**-7.34**	-0.19	-14.53	0.43	324.30	**2.08**
		2			-7.07	**-0.26**	**-105.08**	**20.22**	-235.46	1.80
		4			-4.44	-0.18	**82.79**	-19.27	730.88	0.72
		1			-7.05	-0.24	76.76	**-19.38**	867.48	1.36
				3.600	-7.04	-0.21	41.66	-19.37	**1080.62**	0.63
		5			-4.45	-0.16	-64.09	19.71	**-658.49**	0.40
55		3		0.000	**-7.34**	-0.19	-14.53	0.44	271.98	**1.38**
		2			-7.06	**-0.23**	**-69.98**	**20.22**	-550.56	0.95
		4			-4.44	-0.15	**47.69**	-19.27	965.74	0.22
		1			-7.04	-0.21	41.66	**-19.37**	1080.62	0.63
				4.800	-7.04	-0.19	-5.14	-19.36	**1168.25**	-0.12
		5		6.000	-4.45	-0.13	-5.59	19.71	**-867.51**	-0.23
		1		10.800	-7.03	-0.16	-63.64	-19.36	961.89	**-1.05**
56		3		0.000	**-7.34**	**-0.19**	-14.53	0.44	115.04	-0.72
		5		0.900	-4.44	-0.10	**49.99**	19.71	-740.96	-0.80
		1			-7.03	-0.16	**-72.42**	**-19.36**	900.66	**-1.18**
		2			-7.05	-0.17	44.10	**20.21**	-701.98	-1.11
		1		0.000	-7.03	-0.16	-63.64	-19.36	**961.89**	-1.05
		5			-4.44	-0.10	41.21	19.71	**-782.00**	-0.73
57		3		7.200	**-7.34**	-0.19	-14.53	0.44	-2.66	**-2.29**
				0.000	-7.34	**-0.19**	-14.53	0.44	101.96	-0.90
		5		7.200	-4.43	-0.09	**120.19**	19.72	-128.32	-1.40
		1			-7.02	-0.16	**-142.62**	**-19.37**	126.53	-2.22
		2			-7.04	-0.16	114.30	**20.22**	-131.76	-2.21
		1		0.000	-7.03	-0.16	-72.42	-19.36	**900.66**	-1.18
		5			-4.44	-0.10	49.99	19.71	**-740.96**	-0.80
58	9	1			**0.54**	-8.43	658.51	0.12	7109.20	42.64
		3			0.44	**-8.90**	11.09	-0.00	-39.19	**43.62**
		1		1.225	0.52	-8.43	**658.51**	0.15	7915.87	32.31
		5			0.36	-5.27	**-638.14**	-0.10	-7878.72	20.71

the scale towards document
Serial No. 549

staaf	doorsn.	non.	c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
			1	4.900	0.42	-8.43	658.51	**0.24**	**10335.91**	1.32
			2		0.42	-8.43	-636.95	**-0.24**	**-10306.39**	1.38
			3		0.44	-8.90	11.09	0.00	15.13	**-0.00**
59	8			0.000	**0.29**	-10.81	0.66	0.00	-0.00	0.00
				10.800	0.27	**-10.81**	0.66	-0.00	7.15	**-116.78**
			2		0.27	-10.34	**71.40**	**-0.03**	**263.72**	-112.03
			1		0.27	-10.32	**-70.21**	**0.02**	**-250.93**	-111.83
			5	0.000	0.17	-6.57	-23.90	-0.00	0.00	**0.00**
60	5		3		**-2.67**	-0.03	-0.33	0.31	8.18	0.26
			2		-2.56	**-0.11**	**-106.95**	**15.54**	**235.90**	**0.41**
			1		-2.58	-0.10	**106.35**	**-14.93**	**-221.09**	0.39
61			3		**-2.67**	-0.03	-0.33	0.31	6.98	**0.15**
			2		-2.55	**-0.08**	**-75.63**	**15.53**	-92.73	0.07
			1		-2.58	-0.08	**75.03**	**-14.93**	105.37	0.07
			4	8.400	-1.61	-0.02	1.50	-14.82	**433.36**	-0.23
			5		-1.59	-0.02	-1.92	15.11	**-428.15**	-0.23
			2	10.800	-2.53	-0.02	18.33	15.53	-402.12	**-0.36**
62			3	0.000	**-2.67**	**-0.03**	-0.33	0.31	3.37	-0.18
			5	0.900	-1.58	-0.01	**26.79**	15.11	-387.13	-0.30
			4		-1.61	-0.01	**-27.21**	-14.82	390.95	-0.30
			2		-2.53	-0.02	26.16	**15.53**	-382.10	**-0.37**
			1		-2.55	-0.02	-26.76	**-14.93**	387.71	-0.37
			4	0.000	-1.61	-0.01	-19.38	-14.82	**411.91**	-0.30
			5		-1.58	-0.01	18.96	15.11	**-407.71**	-0.30
63			3	7.200	**-2.67**	-0.03	-0.33	0.31	0.67	**-0.43**
			5		-1.57	**0.01**	**89.43**	15.12	31.24	-0.25
			3	0.000	-2.67	**-0.03**	-0.33	0.31	3.07	-0.21
			4	7.200	-1.59	0.01	**-89.85**	-14.82	-30.44	-0.25
			2		-2.51	-0.00	88.80	**15.53**	31.78	-0.40
			1		-2.54	-0.00	-89.40	**-14.93**	-30.50	-0.40
			4	0.000	-1.61	-0.01	-27.21	-14.82	**390.95**	-0.30
			5		-1.58	-0.01	26.79	15.11	**-387.13**	-0.30
64	9		2		**0.77**	-1.33	**-522.66**	-131.79	-4604.07	47.73
			3		0.64	**-1.56**	-3.45	-2.66	-21.88	**48.97**
			1		0.76	-1.36	**515.89**	126.55	4561.95	47.77
				4.900	0.70	-1.41	515.89	**126.65**	**7089.83**	40.42
			2		0.70	-1.39	-522.66	**-131.89**	**-7165.09**	40.47
65	8		1	7.200	**0.24**	-10.58	-134.79	0.01	-772.17	-76.26
			3	10.800	0.20	**-11.14**	-4.47	-0.00	-48.31	**-120.27**
			2		0.24	-10.58	**153.49**	**-0.02**	**1211.55**	-114.55
			1		0.24	-10.56	**-162.33**	**0.02**	**-1306.97**	-114.40
			5	0.000	0.15	-6.68	70.33	-0.00	0.00	**0.00**
66	5		3		**-2.15**	0.11	2.13	0.26	-47.82	**-1.26**
				3.600	-2.15	**0.11**	2.13	0.26	-40.15	-0.88
			4	0.000	-1.32	**-0.03**	139.09	-11.29	-1219.72	**0.06**
			1		-2.08	0.01	**141.19**	**-11.38**	**-1267.14**	-0.35
			2		-2.07	0.01	**-136.98**	**11.90**	**1172.69**	-0.39
67			3		**-2.15**	0.11	2.13	0.26	-40.15	**-0.88**
				7.200	-2.15	**0.11**	2.13	0.26	-24.81	-0.12
			4	0.000	-1.31	**-0.01**	111.55	-11.28	-768.56	-0.05
			1		-2.07	0.03	**113.65**	**-11.37**	**-808.44**	-0.34



staaf	doorsn.	non. c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
		2		-2.07	0.03	**-109.44**	**11.89**	**729.14**	-0.38
		3	10.800	-2.15	0.11	2.13	0.26	-17.15	**0.26**
68			0.000	**-2.15**	**0.11**	2.13	0.26	-17.15	0.26
		1		-2.05	0.09	**31.03**	-11.37	-27.21	0.26
		2		-2.04	0.09	**-26.82**	11.89	-6.67	0.24
			0.900	-2.04	0.09	-19.94	**11.89**	-27.71	0.32
		1		-2.04	0.09	24.14	**-11.37**	-2.39	0.33
		4		-1.28	0.05	22.05	-11.28	**12.99**	0.20
		5		-1.28	0.05	-19.71	11.52	**-29.68**	0.19
		3		-2.15	0.11	2.13	0.26	-15.23	**0.35**
69			7.200	**-2.15**	0.11	2.13	0.26	0.11	**1.11**
		2		-2.02	**0.11**	35.14	**11.89**	27.05	1.07
		5		-1.26	0.08	**35.37**	11.52	26.71	0.67
		4		-1.27	0.08	**-33.03**	-11.28	-26.56	0.67
		1		-2.03	0.11	-30.94	**-11.37**	-26.86	1.07
		4	2.400	-1.28	0.06	3.69	-11.28	**43.87**	0.36
		5		-1.27	0.06	-1.35	11.52	**-54.95**	0.35
70	9	2	0.000	**0.79**	**1.21**	-433.85	-99.97	-2918.19	42.96
		1	3.850	0.77	1.18	**426.49**	**96.05**	**4547.02**	47.37
		2		0.77	1.18	**-433.85**	**-100.01**	**-4588.53**	47.33
		3		0.67	1.10	-3.78	-2.00	-21.57	**48.55**
71	8	1	10.800	**0.05**	-10.82	**-136.91**	**0.02**	**-1032.48**	-117.13
		3		0.01	**-11.40**	-3.53	-0.00	-38.11	**-123.10**
		2		0.05	-10.83	**129.96**	**-0.02**	**957.43**	-117.25
		3	0.000	0.03	-11.40	-3.53	0.00	-0.00	**0.00**
72	5			**-6.81**	0.23	1.68	0.25	-37.78	**-2.64**
			3.600	-6.81	**0.23**	1.68	0.26	-31.74	-1.83
		1	0.000	-6.50	0.13	**128.47**	**-8.56**	**-968.93**	-1.91
		2		-6.50	0.13	**-125.17**	**9.07**	**894.54**	-1.94
73		3		**-6.81**	0.23	1.68	0.26	-31.74	**-1.83**
			8.400	-6.81	**0.23**	1.68	0.26	-17.65	0.08
		1	0.000	-6.49	0.16	**100.93**	**-8.55**	**-556.00**	-1.41
		2		-6.49	0.16	**-97.63**	**9.05**	**493.50**	-1.44
		3	10.800	-6.81	0.23	1.68	0.26	-13.62	**0.62**
74			0.900	**-6.81**	0.23	1.68	0.26	-12.11	**0.83**
			0.000	-6.81	**0.23**	1.68	0.26	-13.62	0.62
		1		-6.46	0.21	**18.31**	-8.54	87.92	0.55
		2		-6.46	0.21	**-15.01**	**9.05**	-114.75	0.53
		1	0.900	-6.46	0.21	11.43	**-8.54**	101.31	0.74
		4		-4.06	0.13	9.96	-8.49	**112.13**	0.44
		5		-4.06	0.13	-8.11	8.72	**-125.45**	0.43
75		3	7.200	**-6.81**	0.23	1.68	0.26	-0.04	**2.46**
		2		-6.44	**0.23**	46.96	**9.05**	14.63	2.34
		5		-4.04	0.15	**46.97**	8.72	14.45	1.47
		4		-4.04	0.15	**-45.12**	-8.49	-14.48	1.48
		1		-6.44	0.23	-43.65	**-8.54**	-14.71	2.35
		4	1.200	-4.05	0.13	0.78	-8.49	**118.57**	0.61
		5		-4.06	0.14	1.07	8.72	**-129.67**	0.60
76	9	2	0.000	**0.70**	3.25	-398.71	-72.92	-1371.27	31.66
		3	3.850	0.56	**3.26**	-1.65	-1.89	-6.75	**45.40**
		1		0.68	3.23	**395.55**	**69.16**	**2893.67**	44.06

the scale towards document
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staaf	doorsn.	non. c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
		2		0.68	3.23	**-398.71**	**-72.93**	**-2906.30**	44.03
77	8		0.000	**-0.36**	-12.11	**-473.27**	-0.00	0.00	0.00
		3		-0.21	**-12.37**	0.47	0.00	-0.00	0.00
		1		-0.35	-12.09	**474.40**	0.00	-0.00	0.00
			10.800	-0.33	-12.00	328.60	**0.20**	**4336.21**	-130.08
		2		-0.34	-12.01	-327.47	**-0.20**	**-4324.03**	-130.24
		5	0.000	-0.28	-7.72	-466.59	-0.00	0.00	**0.00**
		3	10.800	-0.23	-12.36	0.47	-0.00	5.13	**-133.54**
78	5		3.600	**38.02**	0.33	-0.04	0.26	2.68	-2.87
		2		36.42	**0.37**	**91.83**	**7.91**	-4088.51	-5.18
		1		36.37	0.37	**-92.00**	**-7.40**	4095.48	-5.13
			0.000	36.35	0.35	-43.40	-7.29	**4339.19**	-6.57
		2		36.40	0.35	43.23	7.80	**-4331.63**	**-6.63**
79		3	4.800	**38.02**	0.33	-0.04	0.26	2.49	-1.27
		2	10.800	36.47	**0.44**	**237.63**	**7.98**	-2309.39	-0.45
		1		36.42	0.43	**-237.80**	**-7.47**	2314.57	-0.43
			0.000	36.37	0.37	-92.00	-7.40	**4095.48**	-5.13
		2		36.42	0.37	91.83	7.91	**-4088.51**	**-5.18**
		3	10.800	38.02	0.33	-0.04	0.26	2.25	**0.74**
80			0.000	**38.02**	0.33	-0.04	0.26	2.25	0.74
		2	0.900	36.48	**0.44**	**249.78**	7.98	-2090.05	-0.03
		1		36.43	0.44	**-249.95**	-7.46	2095.08	-0.02
		2	0.000	36.47	0.44	237.63	**7.98**	**-2309.39**	-0.45
		1		36.42	0.43	-237.80	**-7.47**	**2314.57**	-0.43
		3	0.900	38.02	0.33	-0.04	0.26	2.21	**1.04**
		5	0.000	23.00	0.31	234.24	7.65	-2284.31	**-0.67**
81		3		**38.02**	0.33	-0.04	0.26	2.21	1.04
		2	7.200	36.51	**0.46**	**346.98**	7.96	58.31	3.30
		1		36.47	0.46	**-347.15**	-7.45	-54.46	3.30
		2	0.000	36.48	0.44	249.78	**7.98**	**-2090.05**	-0.03
		1		36.43	0.44	-249.95	**-7.46**	**2095.08**	-0.02
		3	7.200	38.02	0.34	-0.04	0.26	1.93	**3.44**
		5	0.000	23.00	0.32	246.39	7.65	-2068.02	**-0.37**
82	9	2		**0.46**	9.70	-351.75	**-58.31**	-7.96	-3.30
		3	3.850	0.33	**10.07**	0.03	-1.93	-0.15	**35.32**
		1		0.46	9.69	**351.90**	54.45	**1362.25**	34.01
		2		0.46	9.69	**-351.75**	-58.30	**-1362.21**	34.00
		1	0.000	0.46	9.70	351.90	**54.46**	7.45	-3.30
		3		0.33	10.07	0.03	-1.93	-0.26	**-3.44**
83	11	2	1.594	**519.29**	0.03	-1840.27	0.01	-48.80	-0.28
		4		**-47.71**	0.01	-966.39	-0.01	-774.25	-0.19
		2	0.000	519.08	**0.03**	**-1840.33**	**0.04**	**2883.71**	-0.33
		1	1.594	77.25	0.02	-1569.75	**-0.01**	**-1066.19**	-0.28
		3	0.000	305.47	0.03	-1780.59	0.02	2279.93	**-0.33**
84		2	0.212	**521.16**	-0.00	122.02	0.01	-22.88	-0.28
		4	0.000	**-48.49**	-0.00	189.13	-0.01	-774.25	-0.19
		5		393.39	**0.00**	16.41	0.01	228.50	-0.19
		1	0.425	76.13	**-0.00**	297.45	-0.01	-939.81	-0.28
			0.000	76.12	-0.00	**297.45**	**-0.01**	**-1066.19**	-0.28
		2	0.425	521.16	-0.00	122.02	**0.01**	3.04	-0.28
		5		393.39	0.00	16.41	0.01	**235.47**	-0.19

the scale towards document
Greening Scan Reference Chart TE203 Serial No. 549
Patch Reference numbers on UTT

staaf	doorsn.	non. c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
		3		305.94	-0.00	209.97	-0.00	-468.35	**-0.29**
85	15	2	7.150	**521.29**	0.00	-293.26	0.01	129.34	-0.27
		4	0.000	**-48.49**	-0.00	189.13	-0.01	-693.89	-0.19
		2	10.701	520.88	**0.00**	**-293.99**	**0.01**	-912.58	-0.28
		1	0.000	76.13	**-0.00**	**297.45**	**-0.01**	**-939.81**	-0.28
			7.150	76.29	0.00	89.30	-0.01	**437.16**	-0.28
		3	10.701	305.94	0.00	-206.14	0.00	-448.12	**-0.29**
86	11	2	0.000	**520.88**	**0.00**	-293.99	0.01	-912.58	-0.28
		4		**-48.35**	0.00	-14.82	-0.01	**239.08**	-0.19
		2	0.425	520.88	0.00	**-294.00**	**0.02**	**-1037.49**	-0.27
		1	0.000	76.41	0.00	-118.74	**-0.01**	15.45	-0.29
		3		305.94	0.00	-206.14	0.00	-448.12	**-0.29**
87		2	0.797	**521.98**	-0.03	1615.30	0.01	249.50	-0.30
		4	1.594	**-49.51**	-0.01	1238.69	-0.02	2206.87	-0.21
		3		305.45	**-0.03**	1815.08	-0.02	2356.73	**-0.33**
		1		74.37	-0.02	**1862.74**	**-0.04**	**2933.54**	-0.32
		2	0.000	521.96	-0.02	1615.31	**0.02**	**-1037.49**	-0.27
88	7	3		**-12.70**	-38.26	-0.77	-2.31	0.26	**129.46**
			3.850	-12.70	**-38.26**	-0.77	-2.31	-2.70	**-17.82**
		2	1.283	-12.35	-36.73	**352.91**	-7.58	460.90	76.48
		1	0.000	-12.33	-36.68	**-354.70**	2.99	-7.49	123.51
		4		-7.84	-23.12	-351.02	**3.72**	-7.43	77.70
		2		-12.35	-36.73	352.91	**-7.60**	8.00	123.61
			3.850	-12.35	-36.73	352.91	-7.54	**1366.70**	-17.78
		1		-12.34	-36.68	-354.70	2.93	**-1373.09**	-17.70
89		3	0.000	**-24.32**	-31.44	4.44	-1.98	-2.45	**102.64**
			3.850	-24.32	**-31.44**	4.44	-1.98	14.64	-18.39
		2		-23.32	-30.17	**97.78**	-70.35	**1752.23**	**-18.56**
		4		-14.68	-18.97	**-90.31**	66.04	-1715.06	-11.83
		1	0.000	-23.29	-30.13	-89.32	**66.49**	-1381.67	97.52
		2		-23.32	-30.17	97.78	**-70.43**	1375.79	97.53
		1	3.850	-23.30	-30.13	-89.32	66.40	**-1725.55**	-18.41
90		3	0.000	**-35.57**	-29.09	11.04	-1.49	14.90	**100.62**
			3.850	-35.57	**-29.09**	11.04	-1.49	57.41	-11.37
		1	0.000	-33.87	-27.81	**214.19**	**106.24**	**-1736.95**	95.64
		5		-21.30	-17.53	**-193.96**	-106.35	1746.91	59.94
		2		-33.91	-27.86	-192.69	**-109.21**	**1764.15**	95.60
			3.850	-33.90	-27.87	-192.69	-109.11	1022.28	**-11.59**
91		3	0.000	**-46.35**	-26.15	10.04	-0.47	57.71	**105.67**
			3.675	-46.35	**-26.15**	10.04	-0.46	94.63	9.55
		1	0.000	-44.08	-24.97	**390.75**	**135.98**	-927.26	100.84
		2		-44.13	-25.04	**-371.04**	**-136.93**	**1037.84**	100.84
		4		-27.65	-15.68	381.76	134.07	**-945.60**	63.34
		3	4.900	-46.35	-26.15	10.04	-0.46	106.93	**-22.49**
92			0.000	**-56.50**	-18.63	-34.47	0.00	107.36	**91.31**
			4.900	-56.50	**-18.64**	-34.47	-0.00	-61.55	0.00
		4	0.000	-33.73	-11.17	**437.12**	0.05	905.77	55.10
		2		-53.82	-17.83	**-494.30**	-0.07	-760.01	87.80
		1	4.900	-53.81	-17.79	427.25	**0.08**	**3061.61**	0.36
		2		-53.86	-17.84	-494.30	**-0.08**	**-3182.08**	0.41
93	13		0.000	**321.41**	0.12	6.03	-0.00	0.00	0.00

the scale towards document
C1 B1 A1 C2 B2 A2 B5 A5 20 18 17 16 11 10 09 03 02 01 C7 B7 A7 C8 B8 A8 C9 B9
Patch Reference numbers on UTT
Engineering Scan Reference Chart TE263 Serial No. 549

staaf	doorsn.	non. c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
		4		**-180.88**	0.07	3.77	0.00	-0.00	0.00
		3	2.019	102.25	**0.12**	**6.19**	0.00	**12.50**	**0.24**
		1		-151.09	0.11	5.95	**0.00**	12.01	0.22
		5		284.18	0.07	3.82	**-0.00**	7.72	0.15
94		1	0.000	**323.31**	-0.12	-6.03	-0.00	12.16	0.23
		5		**-182.41**	-0.07	-3.78	-0.00	7.63	0.14
		3		102.72	**-0.12**	**-6.19**	-0.00	**12.50**	**0.24**
		4		285.93	-0.07	-3.82	**0.00**	7.70	0.15
		2		-151.87	-0.11	-5.96	**-0.00**	12.04	0.22
95	10	1		**323.31**	-0.11	-5.92	0.00	0.00	0.00
		5		**-182.41**	-0.07	-3.75	0.00	-0.00	0.00
		3	5.350	102.72	**-0.12**	**-6.18**	0.00	**-33.07**	**-0.62**
		2		-151.87	-0.11	-5.94	**0.00**	-31.76	-0.59
		1		323.31	-0.11	-5.92	**-0.00**	-31.68	-0.59
96		2	0.000	**321.41**	0.11	5.94	**0.00**	-31.76	-0.59
		4		**-180.88**	0.07	3.74	-0.00	-19.99	-0.37
		3		102.25	**0.12**	**6.18**	0.00	**-33.07**	**-0.62**
		1		-151.09	0.11	5.92	**-0.00**	-31.68	-0.59
97	11	2		**2.45**	-0.03	2031.38	0.00	0.00	0.00
		1	1.656	**-1.83**	**-0.04**	3109.79	**0.05**	**5148.78**	**-0.07**
			0.000	-1.17	-0.04	**3109.79**	-0.00	-0.00	0.00
98			1.656	**2.45**	0.03	-2082.49	0.00	0.00	0.00
		2	0.000	**-1.71**	**0.04**	-3137.89	**-0.05**	**5195.31**	**-0.07**
			0.828	-1.20	0.04	**-3137.89**	-0.03	2597.68	-0.04
99	16		0.000	**-0.61**	**0.02**	**-911.17**	**0.21**	**1639.80**	**-0.04**
		1		-0.53	**-0.02**	823.56	0.17	-1482.14	**0.04**
		4	1.800	-0.51	-0.01	**829.71**	0.00	-0.00	-0.00
			0.000	-0.53	-0.01	829.71	0.18	**-1493.21**	0.02
100		3		**0.00**	-0.00	11.15	-0.00	-0.00	0.00
		2	1.800	**-0.57**	**0.02**	-856.98	**-0.20**	**-1542.28**	**0.04**
		1		-0.56	**-0.02**	877.65	-0.19	**1579.47**	**-0.04**
			0.000	-0.54	-0.02	**877.65**	-0.00	0.00	-0.00
		2		-0.55	0.02	**-856.98**	0.00	0.00	0.00
		3	1.800	0.00	-0.00	11.15	**0.00**	20.07	-0.00
101	20	1	0.000	**-27786.46**	**-0.00**	0.00	0.00	0.00	**0.00**
		3		-27786.45	0.00	**0.00**	-0.00	0.00	0.00
			23.450	-27786.45	0.00	**-0.00**	-0.00	0.00	0.00
102		2	0.000	**-2532.60**	**0.00**	-0.00	-0.00	0.00	-0.00
		1		-2532.60	**-0.00**	-0.00	0.00	0.00	**-0.00**
		5		-1352.70	0.00	**0.00**	-0.00	0.00	-0.00
103		1		**-17037.45**	**-0.00**	**0.00**	0.00	0.00	**0.00**
		5		-9360.90	0.00	**-0.00**	-0.00	0.00	-0.00
104		2		**2.07**	-0.00	-0.00	0.00	**0.00**	0.00
		1		**-2.01**	-0.00	**-0.00**	0.00	0.00	0.00
		3		0.03	-0.00	**0.00**	0.00	0.00	0.00
105		2		**17.80**	0.00	-0.00	0.00	0.00	-0.00
		1		**-17.30**	**-0.00**	**0.00**	0.00	**-0.00**	**0.00**
		3	13.509	0.25	**0.00**	**-0.00**	0.00	0.00	-0.00
		5	0.000	9.90	0.00	-0.00	0.00	0.00	**-0.00**
106		2		**4.76**	0.00	-0.00	0.00	0.00	-0.00
		1		**-4.74**	-0.00	**0.00**	0.00	**-0.00**	**0.00**

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549

staaf	doorsn.	non. c.	dx [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
		3		0.01	0.00	**-0.00**	0.00	-0.00	-0.00
		5		2.59	0.00	-0.00	0.00	**0.00**	**-0.00**

Vervormingen van staven. Lokale extremen

Niet-lineaire berekening, 2de Orde
Groep van staven:42
Groep van niet-lineaire combinaties:1

staaf	doorsn.	non. c.	dx [m]	ux [mm]	uy [mm]	uz [mm]	fix [mrad]	fiy [mrad]	fiz [mrad]
42	3	1	0.000	14.55	-0.00	**16.05**	-0.01	0.25	-0.01
				14.55	-0.00	**16.05**	-0.01	0.25	-0.01
			2.100	14.48	-0.02	**15.46**	-0.01	0.28	-0.01
				14.48	-0.02	**15.46**	-0.01	0.28	-0.01

Bijlage 3

Overzicht minimale standaardwapening
hbu stekken en wandwapening

TBV STEKKEN & WANDWAP

MINIMALE STANDAARD WAPENING

MINIMALE STANDAARD WAPENING BUITENWANDEN (= grondkerend, kelder)

Wanddikte [mm]	Wapening verticaal v/a	A_s per zijde [mm^2 / m']	Totale % vert. wap.	Wapening horizontaal v/a	A_s per zijde [mm^2 / m']	Totale % horiz. wap.	Kg / m^3 incl. 10 % overlap
250	ϕ 10 - 150	524	0,42	ϕ 12 - 150	754	0,60	88
300	ϕ 10 - 150	524	0,35	ϕ 12 - 150	754	0,50	74
350	ϕ 12 - 150	754	0,43	ϕ 12 - 100	1131	0,65	93
400	ϕ 12 - 150	754	0,38	ϕ 12 - 100	1131	0,57	81

extra in onderste m
ϕ10 – 150
ϕ12 – 150
– ϕ12 – 200
ϕ12 – 200.

MINIMALE STANDAARD WAPENING BINNENWANDEN

Wanddikte [mm]	Wapening verticaal v/a	A_s per zijde [mm^2 / m']	Percentage vert. wap.	Wapening horizontaal v/a	A_s per zijde [mm^2 / m']	Percentage horiz. wap.	Kg / m^3 incl. 10 % overlap
200	ϕ 10 - 200	393	0,39	ϕ 8 - 150	335	0,34	63
250	ϕ 10 - 200	393	0,31	ϕ 8 - 150	335	0,27	50
300	ϕ 12 - 200	565	0,38	ϕ 10 - 200	393	0,26	55
350	ϕ 12 - 200	565	0,32	ϕ 10 - 200	393	0,22	47

Werknr. 327/256

herzien
10-8-05

COLOFON

SHELL NTC AMSTERDAM

STERKTEBEREKENING (DEEL I) STABILITEITSELEMENTEN: KANTOREN EN LABORATORIA

OPDRACHTGEVER:

SHELL INTERNATIONAL CHEMICALS BV

STATUS:

Definitief

AUTEUR:

[redacted]

GECONTROLEERD DOOR:

[redacted]

VRIJGEGEVEN DOOR:

[redacted]

januari 2006
140327/BD6/054/000256

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