Bouwkundig Konstruktieburo
H.C. Bogaards b.v.

Statische berekening

Project	Shell Amsterdam.
Onderdeel	Aanvullende berekening 1e verdiepingsvloer as 18 t/m 15 en as 125 t/m 145. Extra lijnlast rondom sparingen op as 21.
Blad	A1 t/m A4 + AC1 t/m AC19
Ons kenmerk	05.3372/[redacted]/002

N0 1 / 0 4 9 1 - 2004
CONSTRUCTIE AKKOORD

Opdrachtgever BubbleDeck Nederland B.V.

[redacted]

Datum 24-02-2006

Constructeur [redacted]

Bubble Deck
Benelux B.V.
Adm. Banckertweg 22
2315 SR Leiden
T 071-5210356 F 071-3624951

INGEKOMEN 27 FEB. 2006

Taanderstraat 19, 2222 BG Katwijk - Telefoon [071] 403 23 23 - Fax [071] 402 87 58
E-mail: info@hcbogaards.nl - www.hcbogaards.nl - Op alle opdrachten is van toepassing de r.v.o.i. 2001

Bouwkundig Konstruktieburo
H.C. Bogaards b.v.

blad: A1
project: 3372
ond.:

Aanvullende berekening 1e verdiepingvloer as 18 t/m 35 en 125 t/m 145

Zie berekening met kenmerk 05.3372/sb/001 voor originele berekening.

Rondgom oplegging op as 21 een lijnlast van 42 kN/m' door het gevingde belastingsgeval permanente belasting zie blad AC 1 t/m AC 2

* Controle onderwapening 1e plaat

- Boven as 21

Voor wapening detail zie blad AC 3 t/m AC 6

$A_{s,ben} = \frac{890 + 650}{2} = 770$ mm²/m

Aanwezig $\phi 8\text{-}250 + \phi 10\text{-}250 + \phi 10\text{-}250 \Rightarrow A_s = 829$ mm²/m

$770 < 829 \Rightarrow$ voldoet.

Koppelwapening: $A_{s,ben} = 770 \times 1{,}23 = 947$ mm²/m

$A_{s,wand} = 1068$ mm²/m (14-250 + 12-250)

$947 < 1068 \Rightarrow$ voldoet

- Onder as 21

Voor wapening detail zie blad AC 3 t/m AC 6

$A_{s,ben} = 450$ mm²/m

Aanwezig $\phi 8\text{-}250 + \phi 10\text{-}250 \Rightarrow A_s = 515$ mm²/m

$450 < 515 \Rightarrow$ voldoet

Koppelwapening: $A_{s,ben} = 450 \times 1{,}23 = 554$ mm²/m

$A_{s,wand} = 625$ mm²/m (10-125)

$554 < 625 \Rightarrow$ voldoet.

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* Controle onderwapening // plaat

Extra bijplaat heeft geen gevolgen voor wapening.

* Controle Bovenwapening

- kolom as 21 / 129, 131, 137, 139 (zie blad AC 7 + AC 8)
  - // plaat: wap baan (1,5m) $\frac{1750 + 650}{2}$ = 1200 mm²/m
    - $\phi 14\text{-}272 + \phi 16\text{-}272$ = 1305 mm²/m
    - naast wap baan (2x1,5 m) $\frac{650 + 500}{2}$ = 575 mm²/m
    - $\phi 12\text{-}272 + \phi 8\text{-}272$ = 601 mm²/m
  - ⊥ plaat: wap baan (1 m) $\frac{2900 + 1000}{2}$ = 1950 mm²/m
    - $\phi 14\text{-}125 + \phi 16\text{-}250$ = 2036 mm²/m

Overuge als oorspronkelijke berekening.

- kolom as 22 / 137 / 129, 131, 137, 139 (zie blad AC 9 t/m AC 10)
  - // plaat: wap baan (1,5m) $\frac{2200 + 1400}{2}$ = 1800 mm²/m
    - $\phi 14\text{-}136 + \phi 16\text{-}272$ = 1871 mm²/m
    - naast wap baan (2x1,5m) $\frac{1400 + 500}{2}$ = 950 mm²/m
    - $\phi 14\text{-}272 + \phi 12\text{-}272$ = 982 mm²/m
    - buren wapening (2,4m) $\frac{500 + 350}{2}$ = 425 mm²/m
    - $\phi 8\text{-}136 + \phi 10\text{-}272$ = 495 mm²/m
  - ⊥ plaat: wap baan (1,5m) $\frac{1850 + 1080}{2}$ = 1465 mm²/m
    - $\phi 16\text{-}125$ = 1608 mm²/m

Overuge als oorspronkelijke berekening.

Bouwkundig Konstruktieburo
H.C. Bogaards b.v.

blad: A3
project: 3372
ond.:

- Kolom as 21/127 (zie blad AC11 t/m AC12)
  Wapening ongewijzigd

- Hoekkolom as 21/133, 135, 141 (zie blad AC13 + AC14)
  Wapening ongewijzigd

* Ponsconsole

(voor berekeningen zie blad AC15 + AC16)

- Kolom as 22/127
  22/129
  22/131
  22/137
  22/139

  - Kolom as 22/137 maatgevend
  - Maatgevende combinatie : UGT 2
  - Schuifkrachten : V_d = 676 kN
    M_{dx} = 47 kNm
    M_{dy} = 8 kNm
  - A_{sx} = 1400 mm²/m
  - A_{sy} = 1200 mm²/m
  - p_d = 13,0 kN/m²
  - d = 223 mm

Voor de berekening zie blad AC 17

1e pen 1013 mm² ⇒ 16 ϕ10
2e pen 401 mm² ⇒ 16 ϕ8
} als originele berek.

- Kolom as 21/129
  131
  137
  139

  - Kolom as 21/137 maatgevend
  - Maatgevende combinatie : UGT 2
  - Schuifkrachten : V_d = 482 kN
    M_{dx} = 152 kNm
    M_{dy} = 9 kNm
  - A_{sx} = 950 mm²/m
  - A_{sy} = 1450 mm²/m
  - p_d = 13 kN/m²
  - d = 223 mm

Voor de berekening zie blad AC 18

1e pen : 1301 mm² ⇒ 10 ϕ14
2e pen : 516 mm² ⇒ 10 ϕ10
3e pen : 697 mm² ⇒ 10 ϕ10
4e pen : 410 mm² ⇒ 10 ϕ8

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- Stock liggen op : 21/133, 135, 141

  Berekening als halve randbalken op 21/139 (zie hiervoor)

  De helft van de permanente belasting aanbrengen

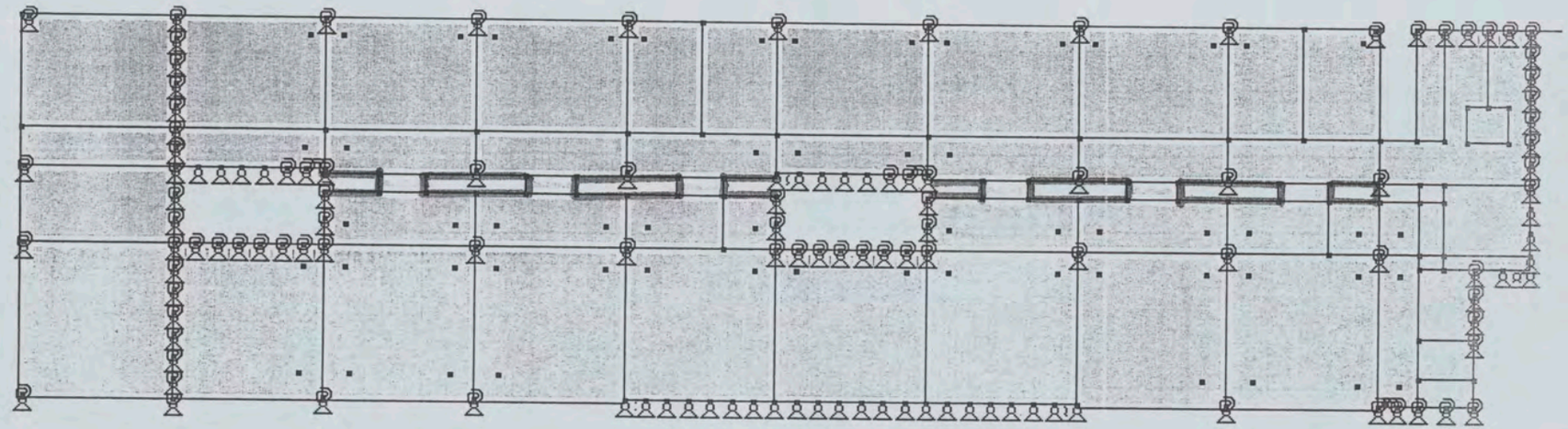
- Balken als 21/127

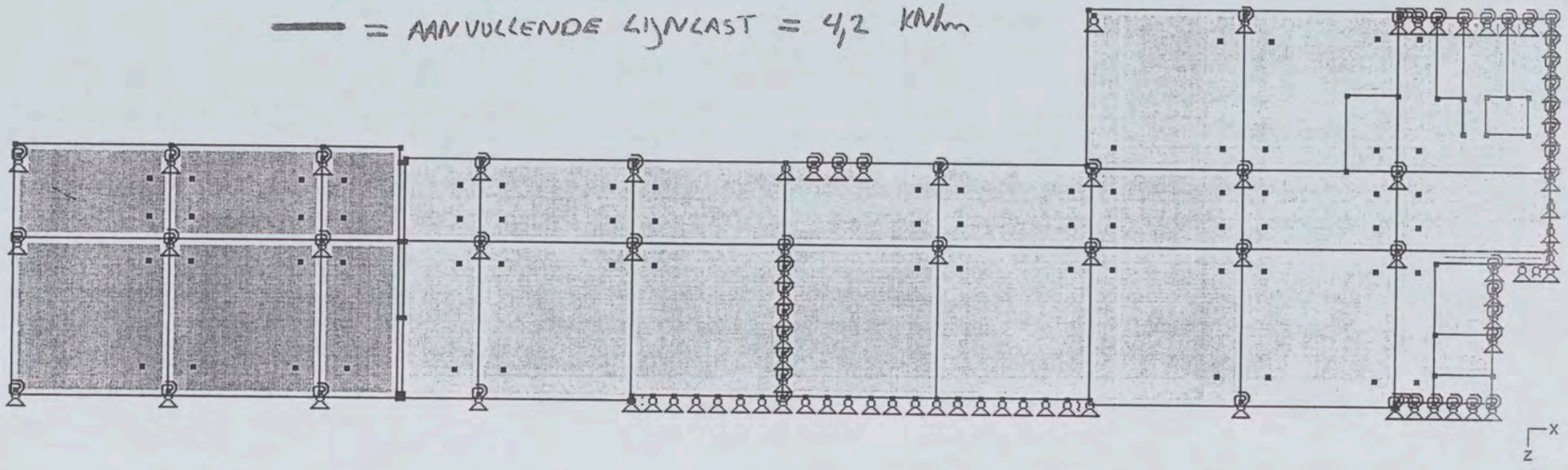
  Voor opmerking overdekte balken zie ook algemene berekening.

  - Maatgevende combinatie : UGT 2
  - Dwarskrachten : $F_d = 4/3 \times 563 = 751$ KN
    $M_{dx} = " \times 79 = 105$ KNm
    $M_{dy} = " \times 11 = 15$ KNm
  - $A_{sx} = 1525$ mm²/m
  - $A_{sy} = 1740$ mm²/m
  - $p_d = 13$ KN/m²
  - $d = 223$ mm

  Voor de berekening zie blad AC 19

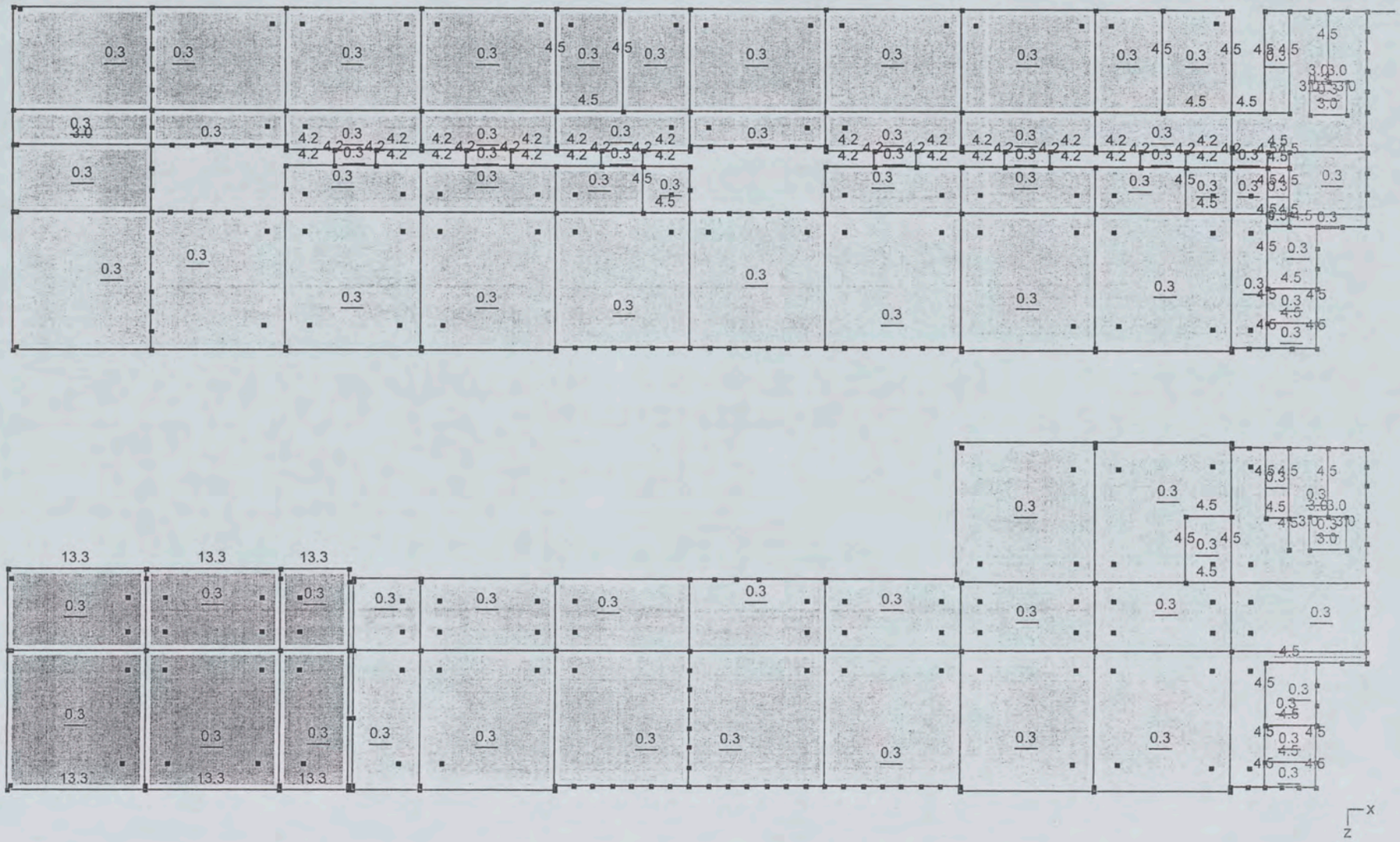
1e pen	3/4 x 2003	= 1502 mm²	⇒	12Φ14
2e pen	3/4 x 1037	= 778 mm²	⇒	12Φ10
3e pen	3/4 x 402	= 302 mm²	⇒	12Φ8





A1

Lasten - Permanent (kN, kNm, kN/m, kN/m²)

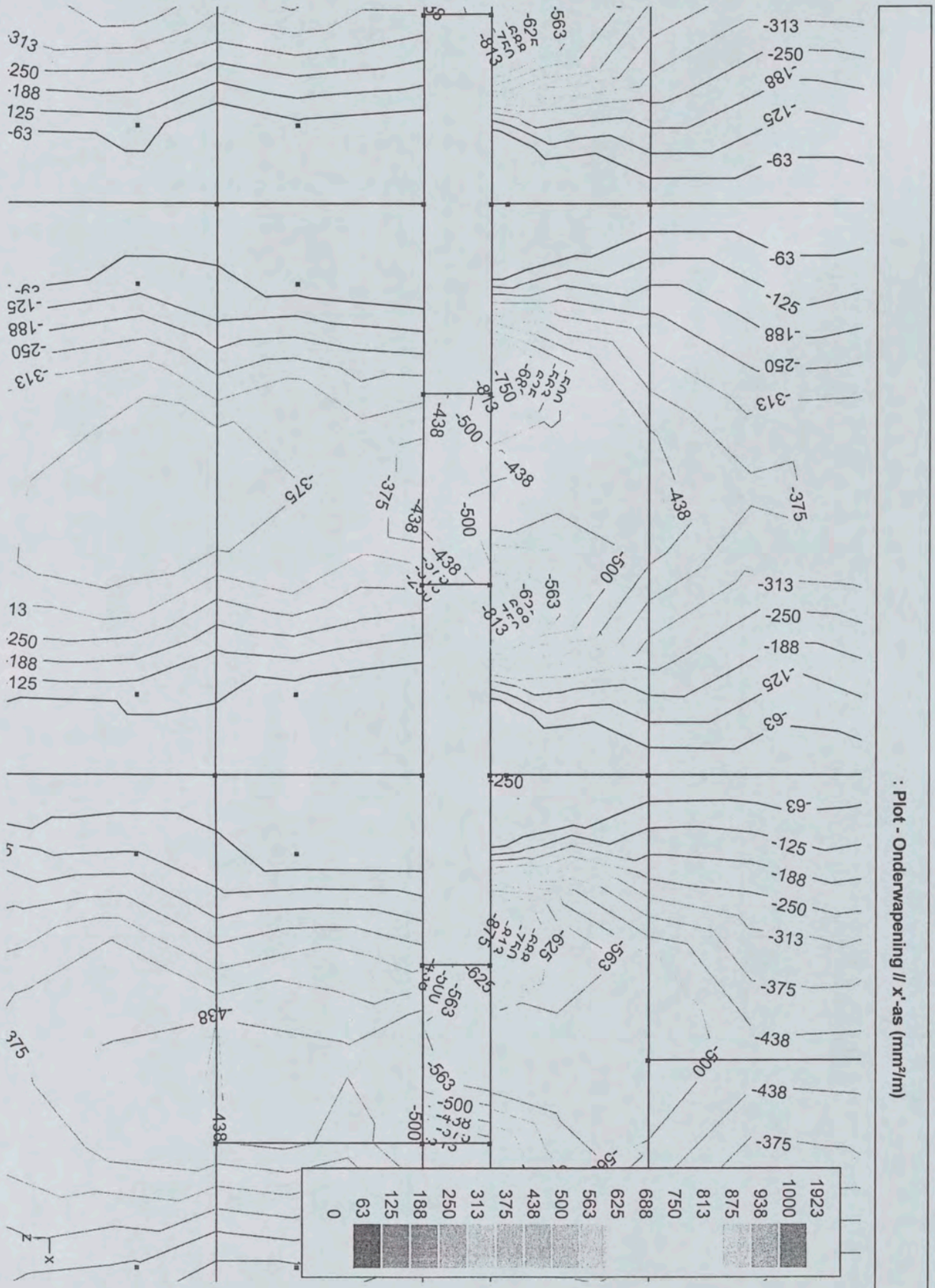


AC 2.

Plot - Onderwapening // x'-as (mm²/m)

140 / 132

AC 3



139 / 131

137 / 129

A24

C1 B1 A1 C2 B2 A2 B5 A5 20 18 17 16 11
Patch Reference numbers on UTT
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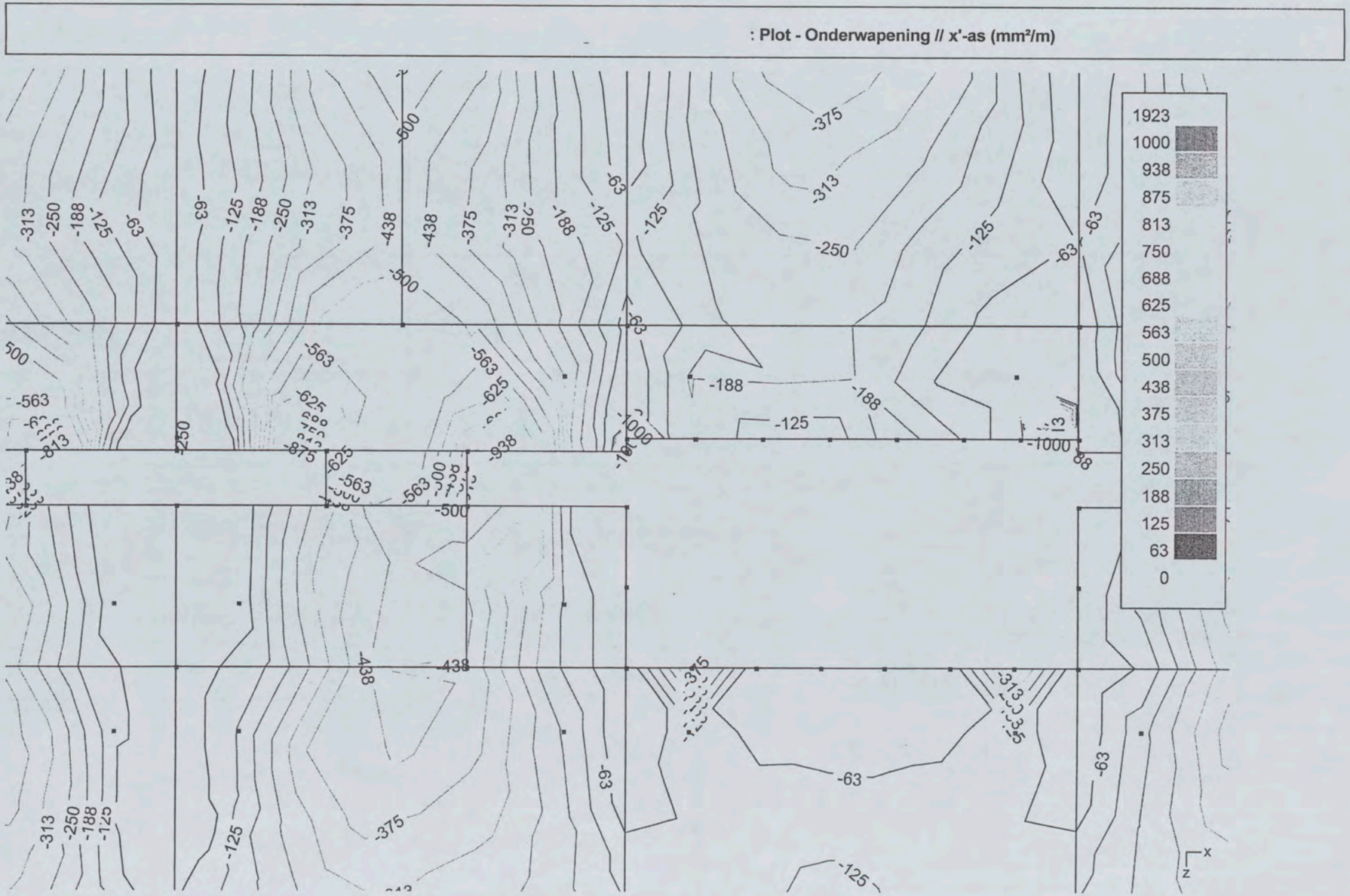
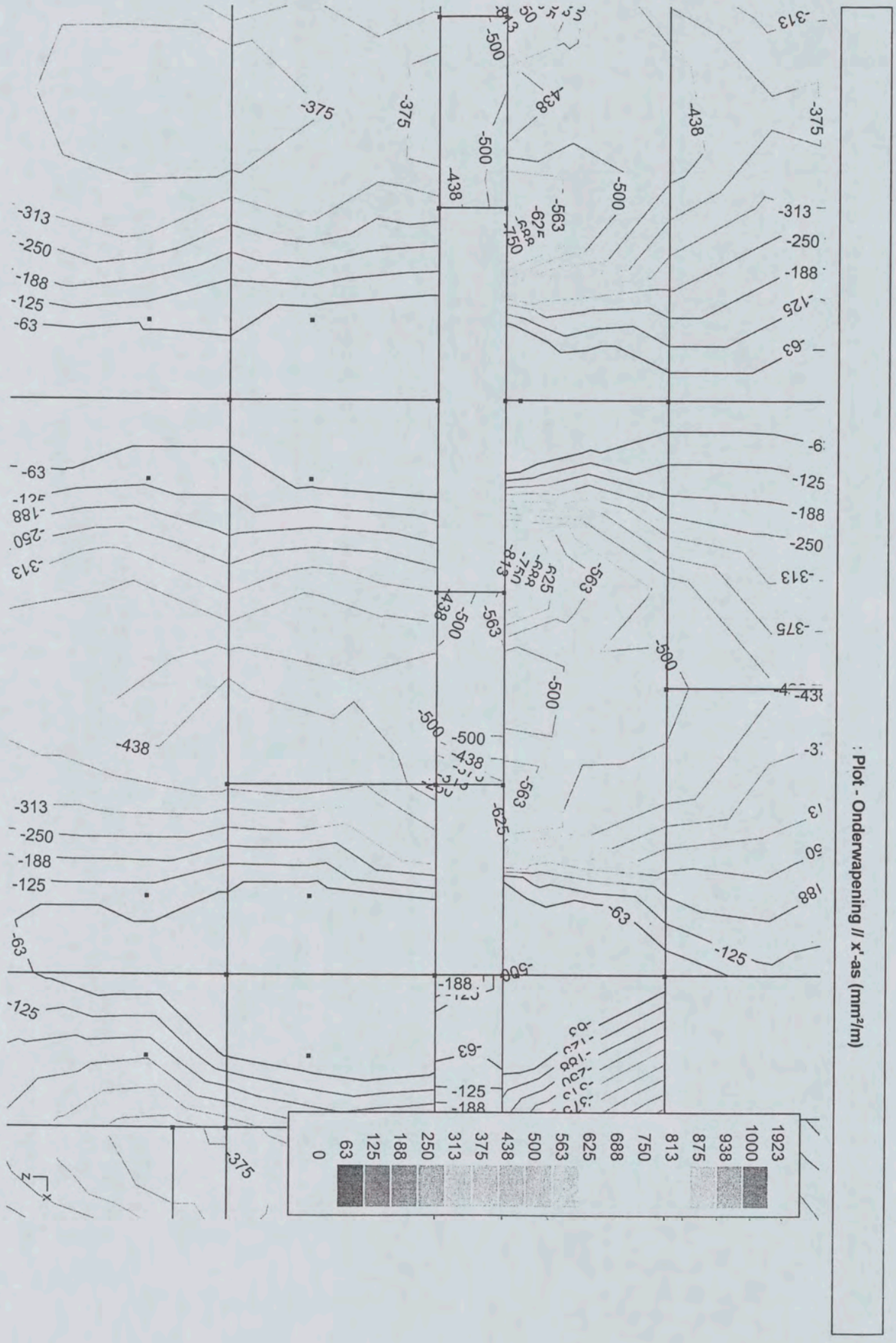
the scale towards document


: Plot - Onderwapening // x'-as (mm²/m)
1923
1000
938
875
813
750
688
625
563
500
438
375
313
250
188
125
63
0
-313
-250
-188
-125
-63
-375
-438
-500
-563
-625
-813
-938
-1000
250
500
-1000
X
Z

137

135

AC 5



129

127

A26.

C1 B1 A1 C2 B2 A2 B5 A5 20 18 17 16 11
Patch Reference numbers on UTT
Image Engineering Scan Reference Chart TE263 Serial No. 380
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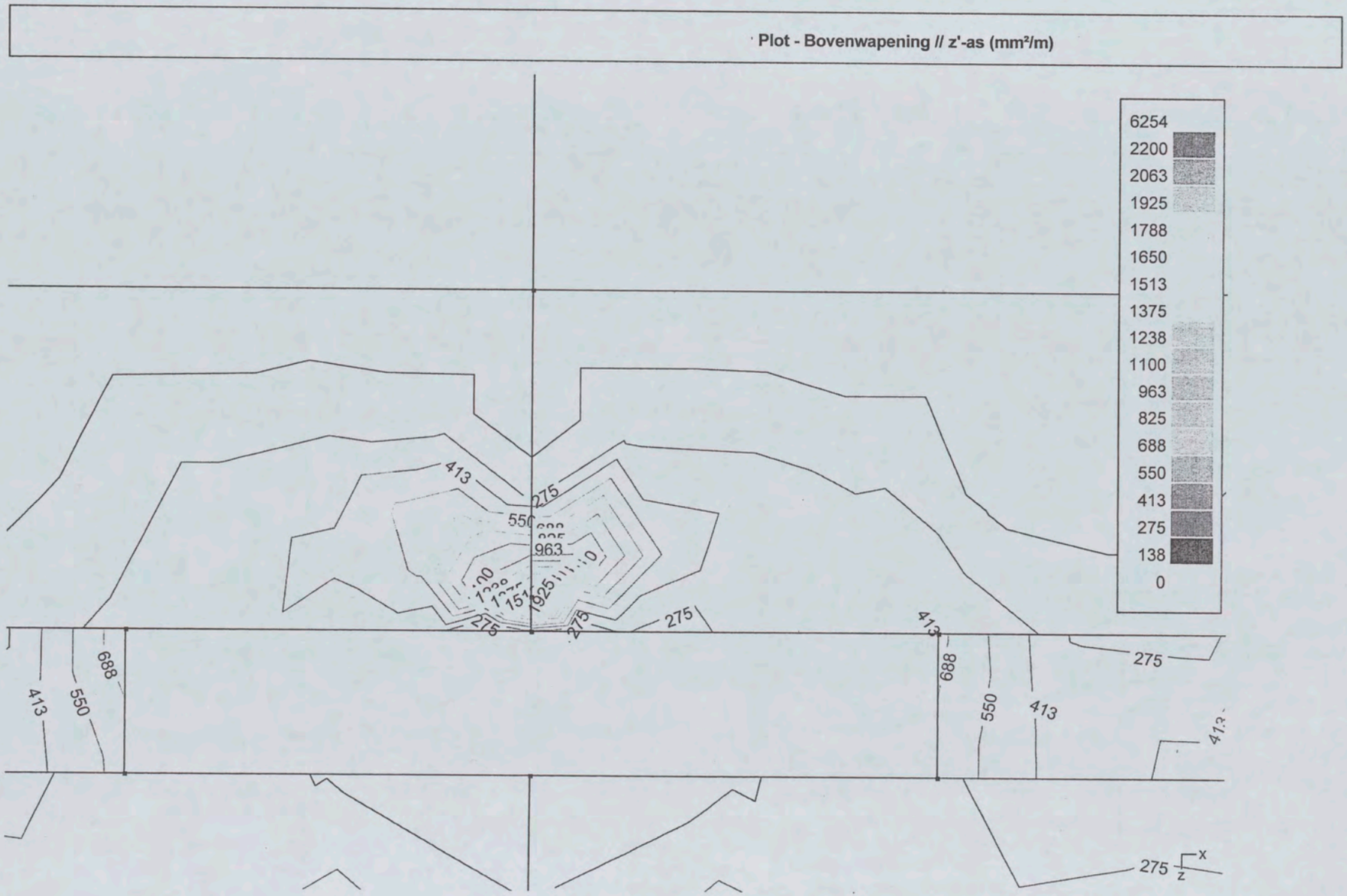
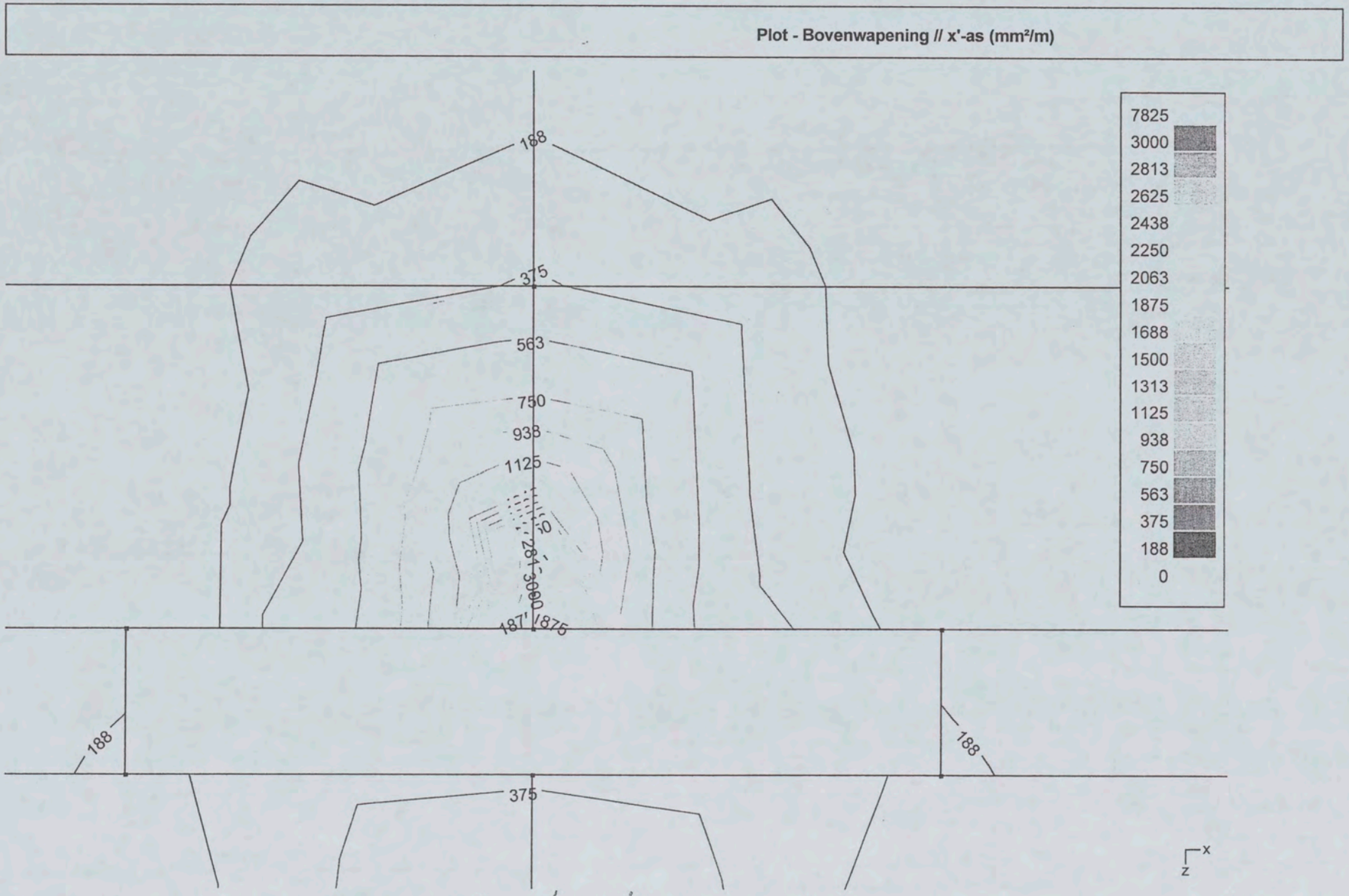
the scale towards document



21

129/131/137/139

LA7



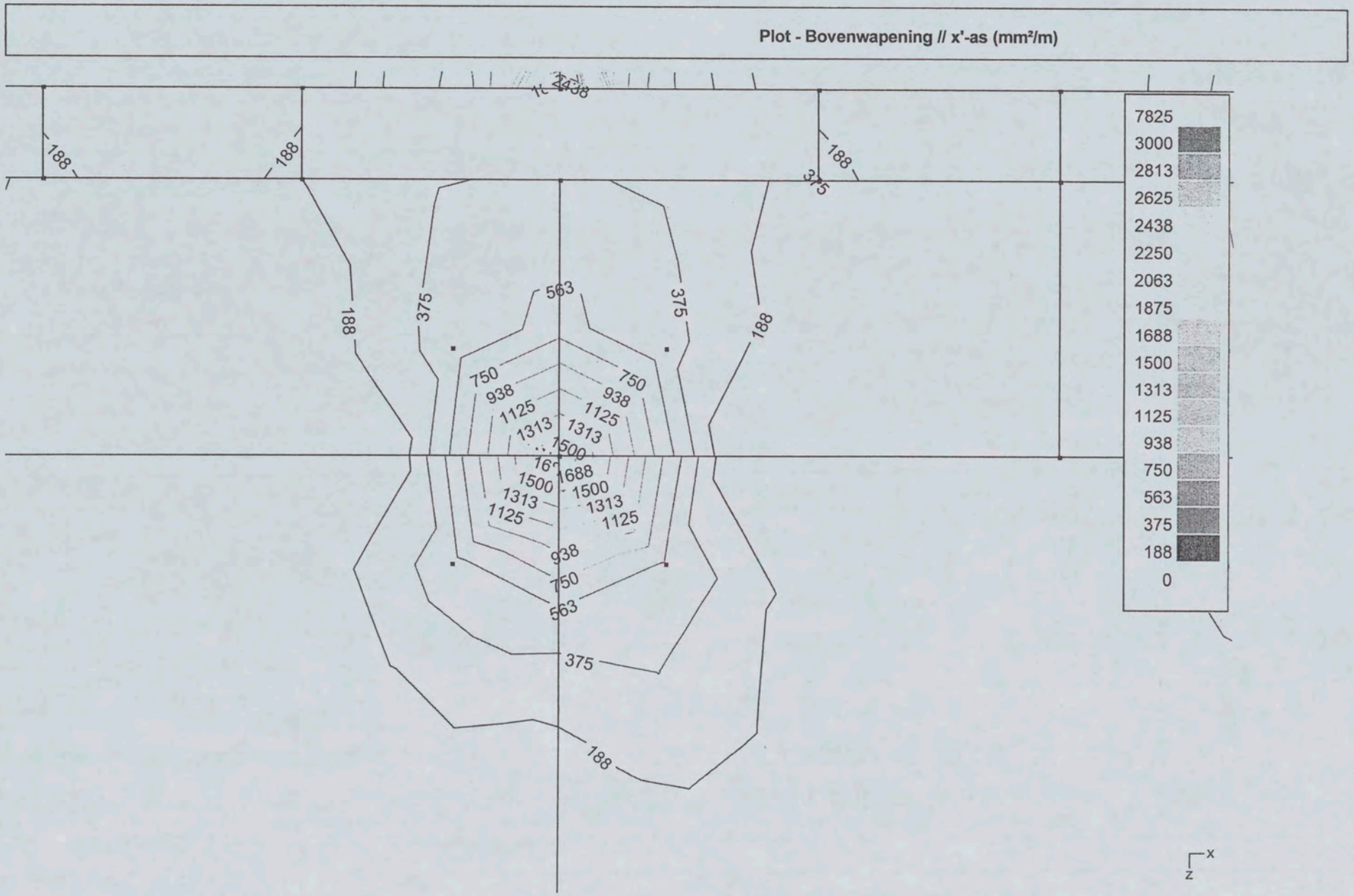
21

129/131/137/139

AC8

Plot - Bovenwapening // z'-as (mm²/m)

A 6.9


Plot - Bovenwapening // x'-as (mm²/m)
7825
3000
2813
2625
2438
2250
2063
1875
1688
1500
1313
1125
938
750
563
375
188
0
x
z

AC 10.

: Plot - Bovenwapening // x'-as (mm²/m)

the scale towards document
Image Engineering Scan Reference Chart TE263 Serial No. 380
Patch Reference numbers on UTT
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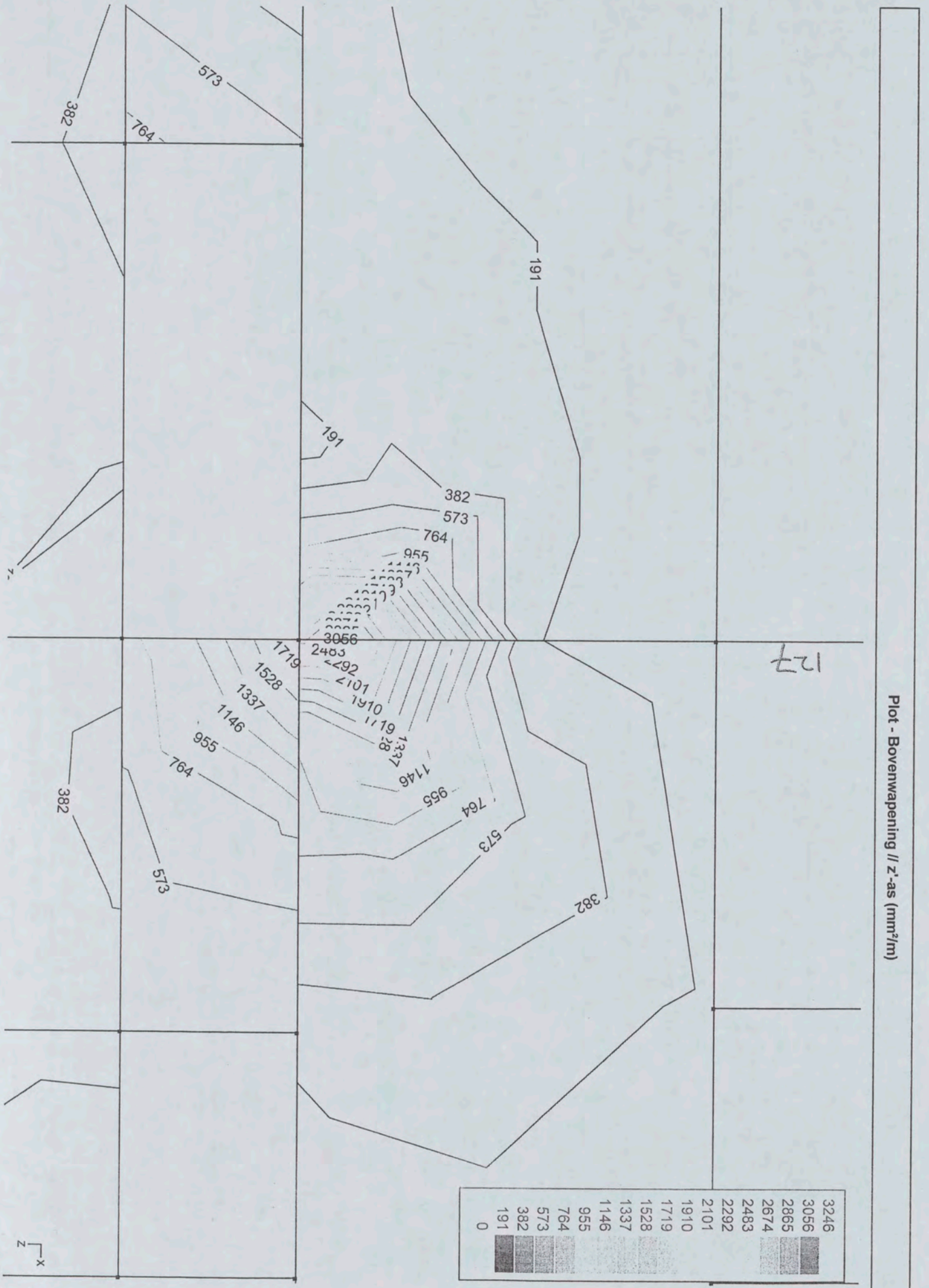
10 09 03 02 01 C7 B7 A7 C8 B8 A8 C9 B9



C1 B1 A1 C2 B2 A2 B5 A5 20 18 17 16 11
Patch Reference numbers on UTT
Image Engineering Scan Reference Chart TE263 Serial No. 380
10 09 03 02 01 C7 B7 A7 C8 B8 A8 C9 B9
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: Plot - Bovenwapening // x'-as (mm²/m)

AC 13

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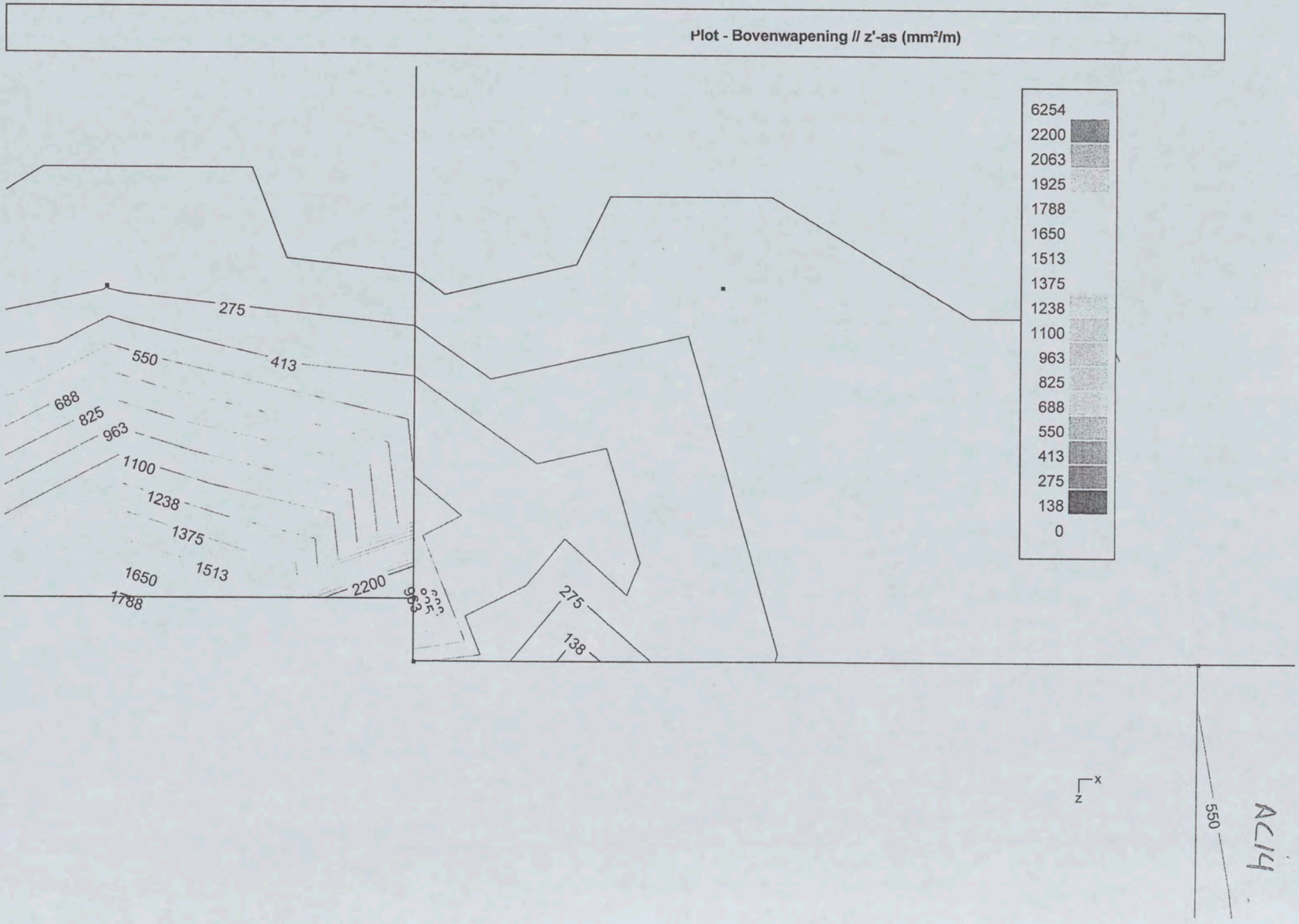
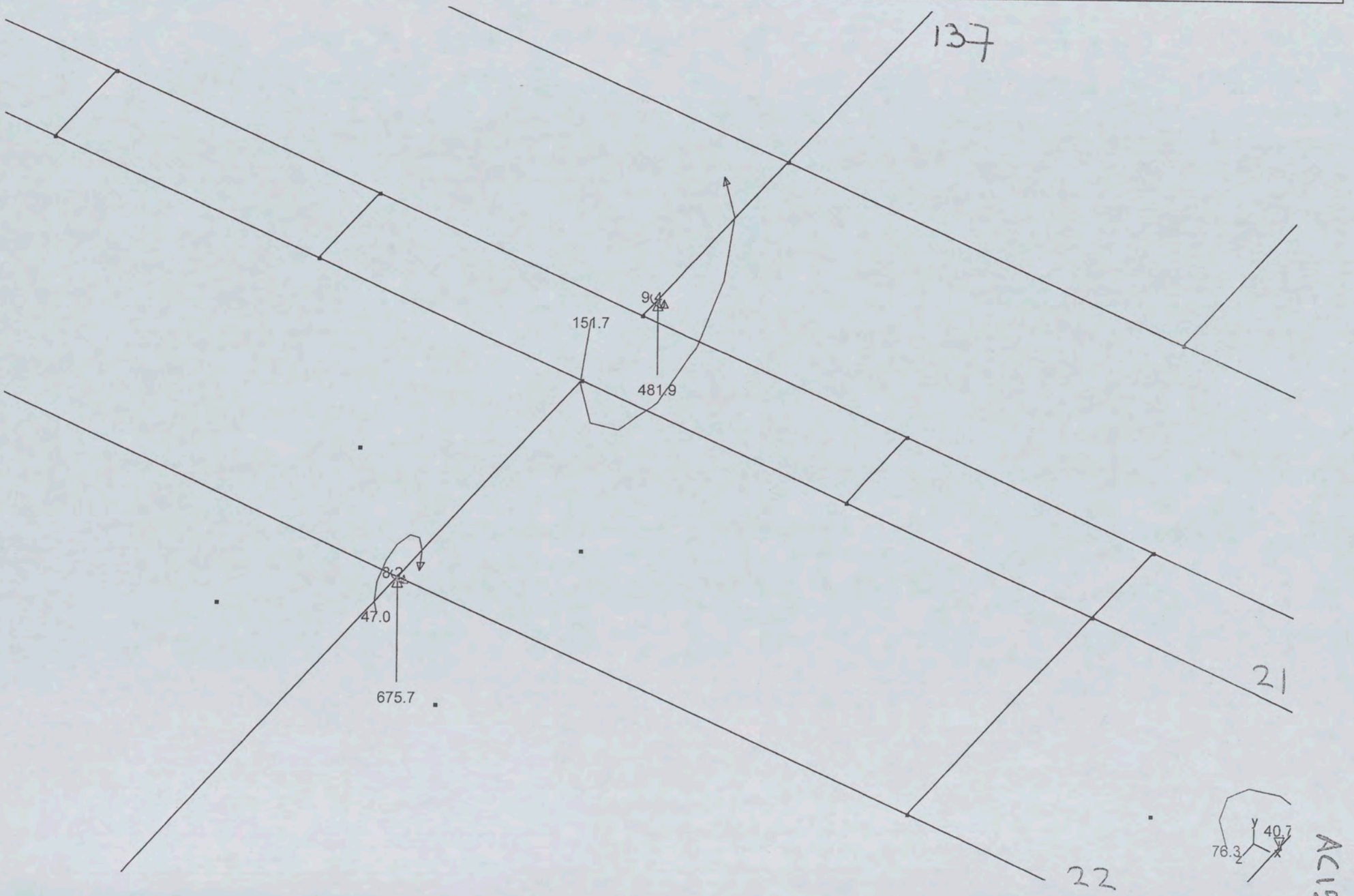
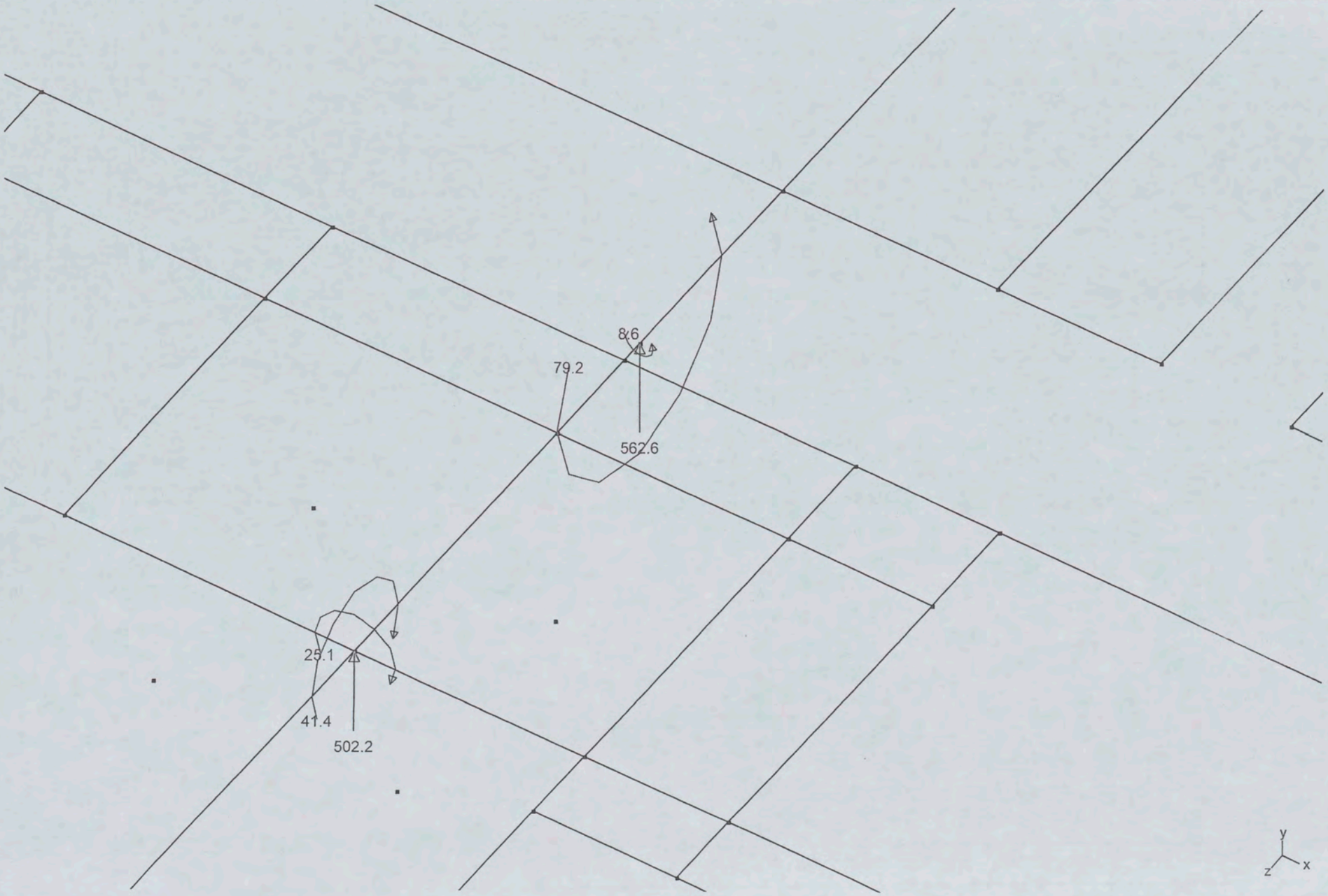
Image Engineering Scan Reference Chart TE263 Serial No. 380
Patch Reference numbers on UT1


Plot - Bovenwapening // z'-as (mm²/m)
6254
2200
2063
1925
1788
1650
1513
1375
1238
1100
963
825
688
550
413
275
138
0
275
550
413
688
825
963
1100
1238
1375
1513
1650
2200
1788
275
138
z
x
550

Plot - Reacties (kN, kNm, kN/m) - UGT 2



: Plot - Reacties (kN, kNm, kN/m) - UGT 2



AC16

Image Engineering Scan Reference Chart TE263 Serial No. 380
Patch Reference numbers on UTT
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
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Bouwkundig Konstruktieburo
H.C. Bogaards b.v.

versie: 2-09-2004

Pons bij puntvormig ondersteunde BubbleDeck vloer

Berekening volgens NEN 6702, cement 1993 nr. 7/8 en CUR-aanbeveling 86

INVOERGEGEVENS

Vloerdikte = BD280		Vloertype = vlakke vloer		F_d = 676	kN
Betonkwaliteit = B35		afm. kolomplaat = 0		M_{dx} = 47	kNm
Kolomtype = midden		h_k = 0		$A_{s;x}$ = 1400	mm^2/m
Kolomvorm = rechthoekig				M_{dy} = 8	kNm
a_l = 400	mm			$A_{s;y}$ = 1200	mm^2/m
a_b = 400	mm			P_d = 13	kN/m^2
a_r = 0					
pons: d = 223	mm	Ponswap. = opgebogen staven			
bollen: d = 223	mm				

RESULTATEN

Ponscontrole

pons-diameter [mm]	e_z [mm]	α_y	α_x	α_e	F_d [kN]	τ_1 [N/mm²]	τ_d [N/mm²]	τ_s [N/mm²]	A_{sv} [mm²]
732	0	2,00	2,00	1,22	671	1,19	1,60	0,40	**1013**
1178	0	2,00	2,00	1,14	662	0,81	0,91	0,10	**401**
1624	0	2,00	2,00	1,10	649	0,64	0,63	0,00	**0**

Te verwijderen bollen

lastvlak [mm]	pons-diameter	e_z [mm]	α_y	α_x	α_e	F_d [kN]	te verwijderen bollen buiten lastvlak	τ_1 [N/mm²]	τ_d [N/mm²]
1000	1273	0	2,00	2,00	1,13	663	zie ponscontrole		
1500	1910	0	2,00	2,00	1,09	647	**4** per 4 weg	0,56	0,52
2000	2546	0	2,00	2,00	1,06	624	**3** per 4 weg	0,56	0,45
2500	3183	0	2,00	2,00	1,05	595	**2** per 4 weg	0,56	0,43
3000	3820	0	2,00	2,00	1,04	559	**1** per 4 weg	0,56	0,46
3500	4456	0	2,00	2,00	1,04	517	**1** per 4 weg	0,56	0,36
4000	5093	0	2,00	2,00	1,03	468	**0** per 4 weg	0,56	0,45

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Pons bij puntvormig ondersteunde BubbleDeck vloer

Berekening volgens NEN 6702, cement 1993 nr. 7/8 en CUR-aanbeveling 86

INVOERGEGEVENS

Vloerdikte = BD280		Vloertype = vlakke vloer		F_d = 482	kN
Betonkwaliteit = B35		afm. kolomplaat = 0		M_{dx} = 152	kNm
Kolomtype = rand		h_k = 0		$A_{s;x}$ = 900	mm²/m
Kolomvorm = rechthoekig				M_{dy} = 9	kNm
a_l = 400	mm			$A_{s;y}$ = 1450	mm²/m
a_b = 400	mm			P_d = 13	kN/m²
a_r = 200	mm				
pons: d = 223	mm	Ponswap. = opgebogen staven			
bollen: d = 223	mm				

RESULTATEN

Ponscontrole

pons-diameter [mm]	e_z [mm]	α_y	α_x	α_e	F_d [kN]	τ_1 [N/mm²]	τ_d [N/mm²]	τ_s [N/mm²]	A_{sv} [mm²]
732	147	1,11	1,56	1,39	477	1,14	1,91	0,77	**1301**
1178	291	1,36	1,38	1,05	472	0,78	0,99	0,21	**510**
1624	433	1,50	2,18	1,18	464	0,61	0,83	0,22	**697**
2070	576	1,59	2,12	1,28	455	0,61	0,72	0,10	**410**
2516	718	1,65	2,08	1,35	443	0,61	0,61	0,00	**11**
2962	860	1,70	2,06	1,39	429	0,61	0,53	0,00	**0**

Te verwijderen bollen

lastvlak [mm]	pons-diameter	e_z [mm]	α_y	α_x	α_e	F_d [kN]	te verwijderen bollen buiten lastvlak	τ_1 [N/mm²]	τ_d [N/mm²]
1000	1273	321	1,40	2,25	1,03	473	zie ponscontrole		
1500	1910	525	1,56	2,14	1,25	463	zie ponscontrole		
2000	2546	728	1,66	2,08	1,35	451	zie ponscontrole		
2500	3183	931	1,72	2,05	1,41	435	**4** per 4 weg	0,56	0,51
3000	3820	1134	1,76	2,02	1,44	416	**3** per 4 weg	0,56	0,51
3500	4456	1336	1,79	2,01	1,47	393	**2** per 4 weg	0,56	0,54
4000	5093	1539	1,82	1,99	1,49	368	**2** per 4 weg	0,56	0,45
4500	5730	1742	1,83	1,98	1,50	339	**1** per 4 weg	0,56	0,51
5000	6366	1945	1,85	1,97	1,51	307	**1** per 4 weg	0,56	0,42
5500	7003	2147	1,86	1,97	1,52	271	**0** per 4 weg	0,56	0,54

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Bouwkundig Konstruktieburo
H.C. Bogaards b.v.

versie: 2-09-2004

Pons bij puntvormig ondersteunde BubbleDeck vloer

Berekening volgens NEN 6702, cement 1993 nr. 7/8 en CUR-aanbeveling 86

INVOERGEGEVENS

Vloerdikte =	BD280	Vloertype =	vlakke vloer	F_d = 751	kN
Betonkwaliteit =	B35	afm. kolomplaat =	0	M_{dx} = 105	kNm
Kolomtype =	midden	h_k =	0	$A_{s;x}$ = 1525	mm²/m
Kolomvorm =	rechthoekig			M_{dy} = 15	kNm
a_l =	400 mm			$A_{s;y}$ = 1740	mm²/m
a_b =	400 mm			P_d = 13	kN/m²
a_r =	0				
pons: d =	223 mm	Ponswap. =	opgebogen staven		
bollen: d =	223 mm				

RESULTATEN

Ponscontrole

pons-diameter [mm]	e_z [mm]	α_y	α_x	α_e	F_d [kN]	τ_1 [N/mm²]	τ_d [N/mm²]	τ_s [N/mm²]	A_{sv} [mm²]
732	0	2,00	2,00	1,44	746	1,29	2,09	0,80	**2003**
1178	0	2,00	2,00	1,27	737	0,88	1,13	0,26	**1037**
1624	0	2,00	2,00	1,20	724	0,69	0,76	0,07	**402**
2070	0	2,00	2,00	1,15	707	0,69	0,56	0,00	**0**

Te verwijderen bollen

lastvlak [mm]	pons-diameter	e_z [mm]	α_y	α_x	α_e	F_d [kN]	te verwijderen bollen buiten lastvlak	τ_1 [N/mm²]	τ_d [N/mm²]
1000	1273	0	2,00	2,00	1,25	738	zie ponscontrole		
1500	1910	0	2,00	2,00	1,17	722	zie ponscontrole		
2000	2546	0	2,00	2,00	1,13	699	**3** per 4 weg	0,56	0,53
2500	3183	0	2,00	2,00	1,10	670	**2** per 4 weg	0,56	0,51
3000	3820	0	2,00	2,00	1,08	634	**1** per 4 weg	0,56	0,54
3500	4456	0	2,00	2,00	1,07	592	**1** per 4 weg	0,56	0,43
4000	5093	0	2,00	2,00	1,06	543	**0** per 4 weg	0,56	0,54

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Bouwkundig Konstruktieburo
H.C. Bogaards b.v.

Bijlage B1

Project	Shell Amsterdam.
Onderdeel	EEM berekening1e verdiepingsvloer as 18 t/m 35 en as 125 t/m 145
Blad	B1 t/m B126
Opdrachtgever	BubbleDeck Nederland B.V.
Datum	10-01-2006
Constructeur	[redacted]

Inhoudsopgave

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ARCADIS
Ingek. d.d. 13 MRT 2006
Pr.nr. 327.25.115 Voor [redacted]
Actie Kopie

VOOR UITVOERING
09 FEB 2006
SHELL NTC para [redacted]

akkoord voor definitief
Arcadis
[redacted]

NO 170491 - 2004
CONSTRUCTIE AKKOORD [redacted]
akkoord voor
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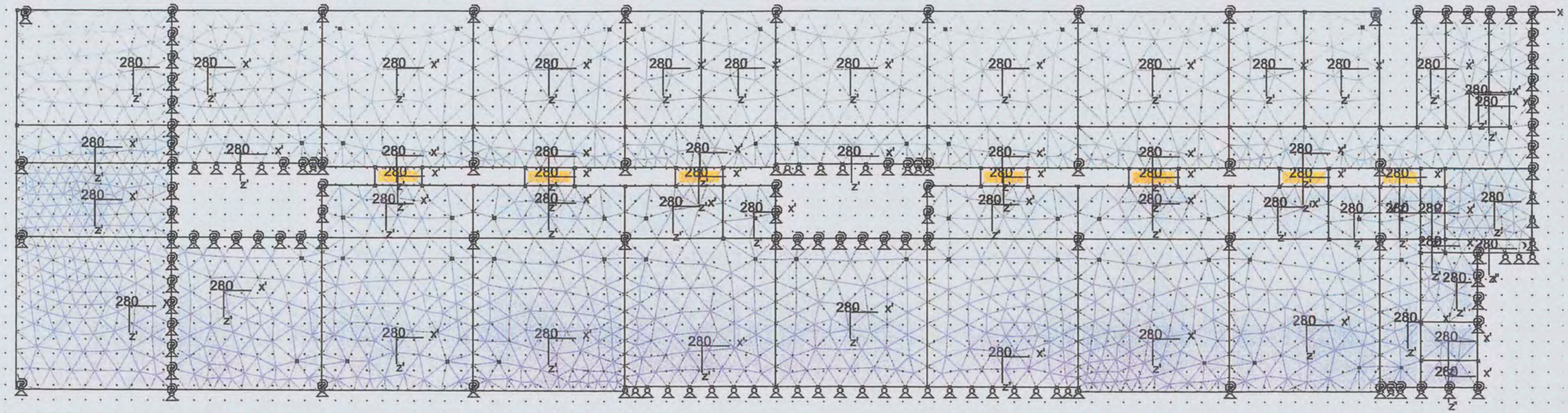
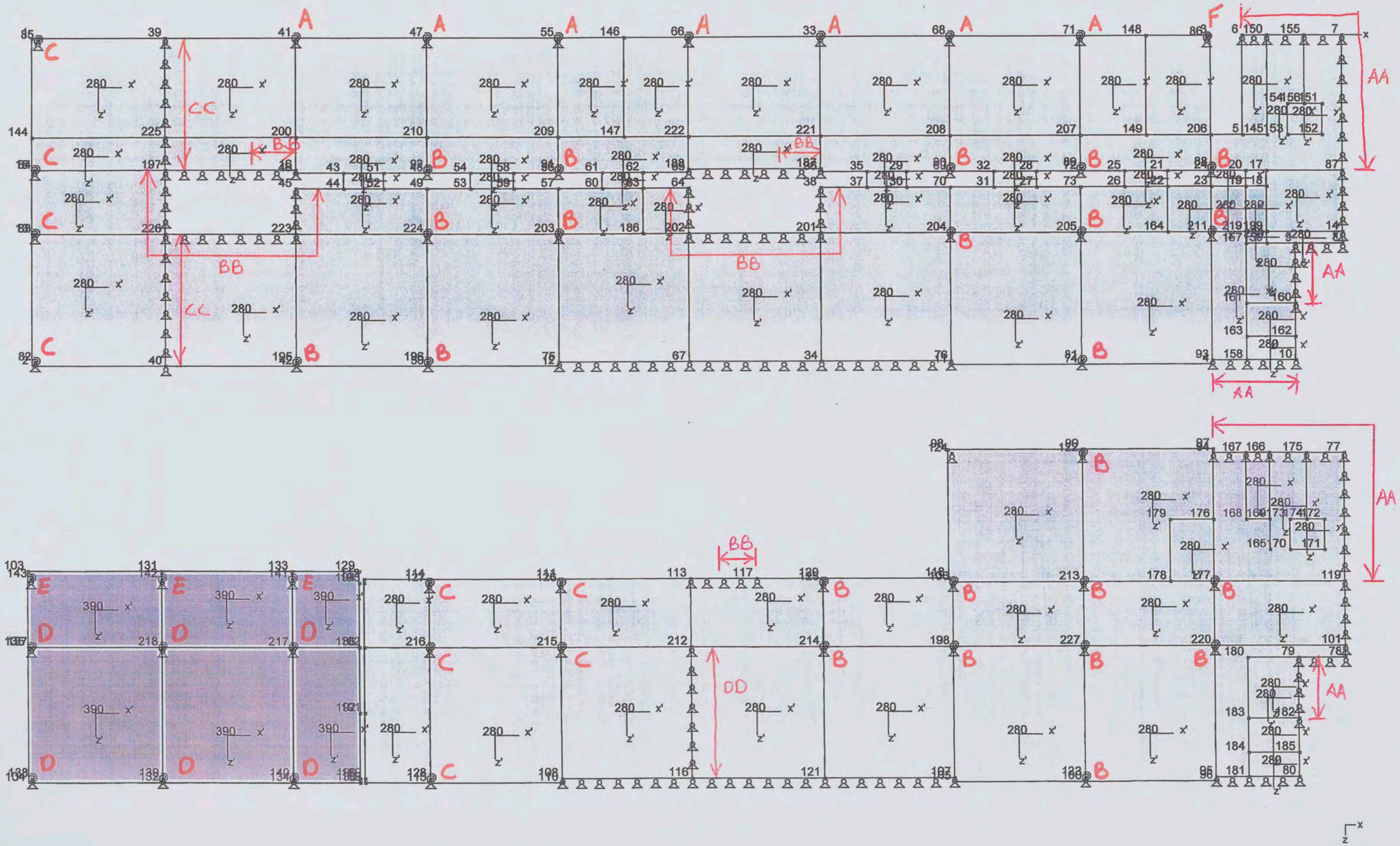
E-mail: info@hcbogaards.nl - www.hcbogaards.nl - Op alle opdrachten is van toepassing de r.v.o.i. 2001

PLAAT DIKTES ; MESH ; ASSEN ; ONDERSTEUNINGEN



Geometrie

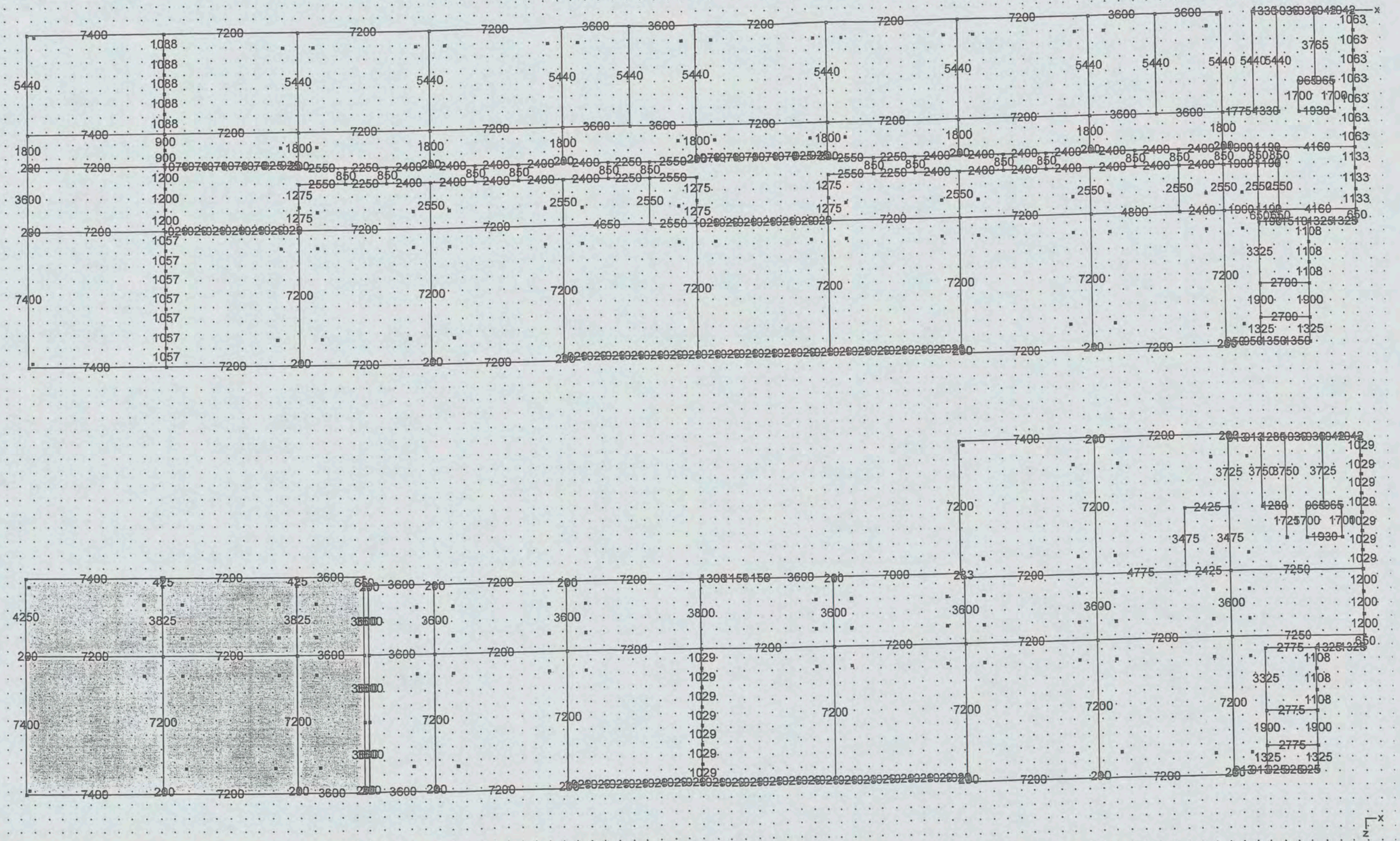
POSITIE BEREKENDE VEER CONSTANTE



B3

Geometrie

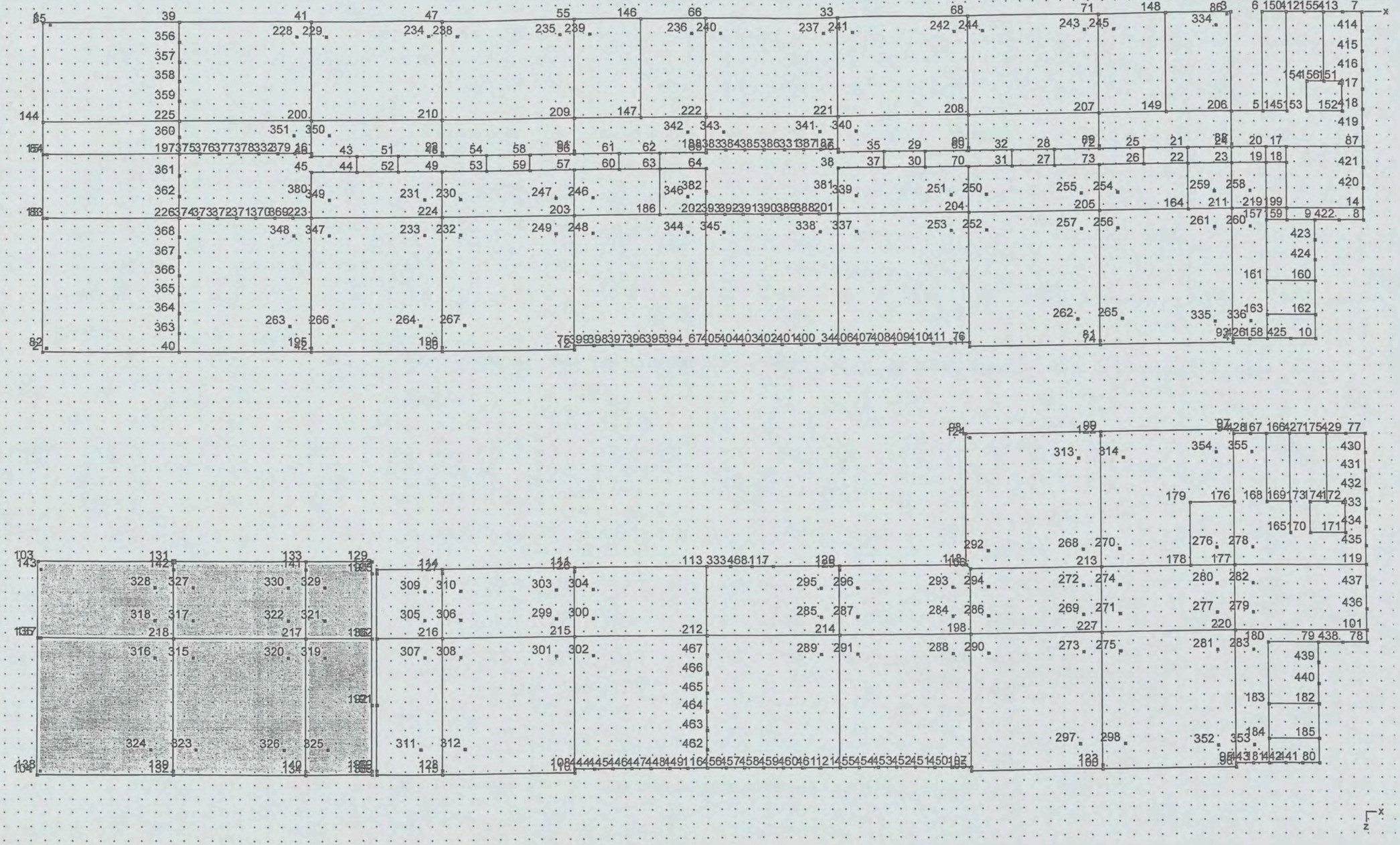
LIJNLENGTES



B4

Geometrie

KNOOPNUMMERS



Geometrie

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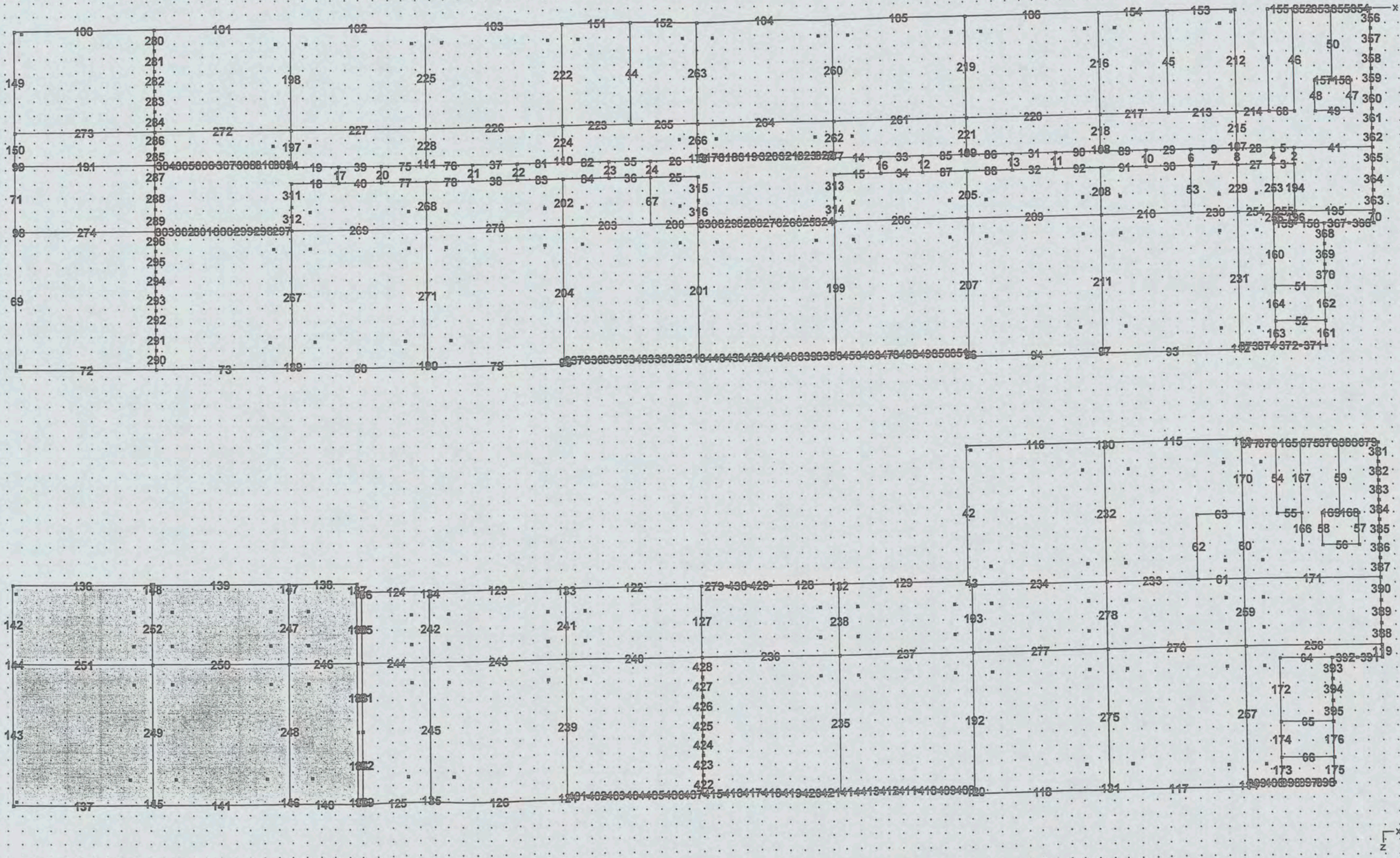

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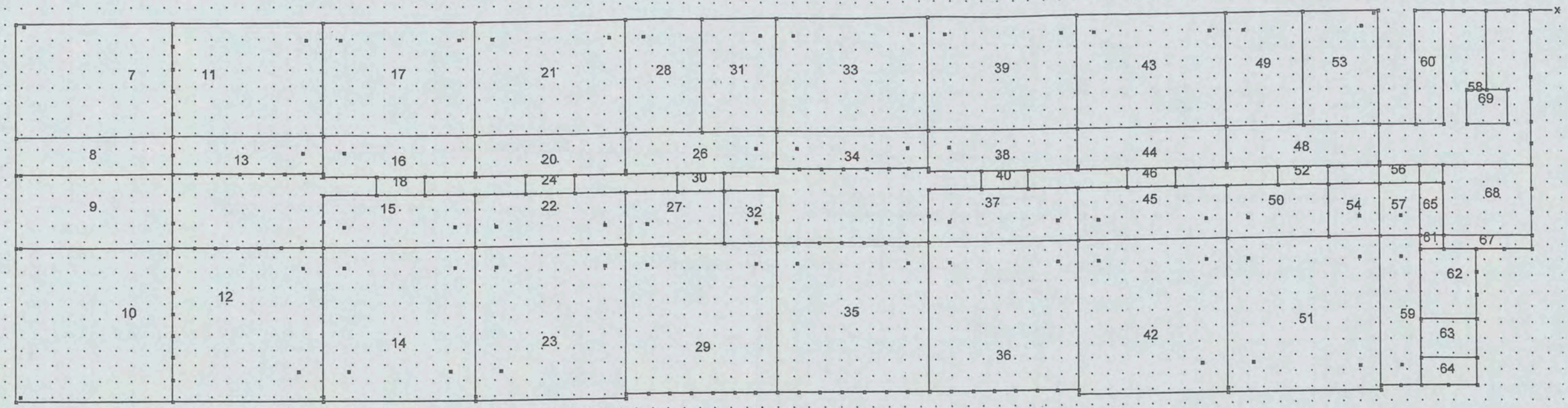

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Image Engineering Scan Reference Chart TE263 Serial No. 395

Data - Knopen

kn	x mm	z mm	stpt.	enkel werkend	ky kN/m	kr,x kNm/rad	kr,z kNm/rad
1	-72250	-0			0.0	0.0	0.0
2	-72250	18240			0.0	0.0	0.0
3	-7250	-0			0.0	0.0	0.0
4	-7250	18240			0.0	0.0	0.0
5	-5475	5440			0.0	0.0	0.0
6	-5475	-0			0.0	0.0	0.0
7	0	0			0.0	0.0	0.0
8	-0	11490			0.0	0.0	0.0
9	-2650	11490			0.0	0.0	0.0
10	-2650	18040			0.0	0.0	0.0
11	-21650	18240			0.0	0.0	0.0
12	-43250	18240			0.0	0.0	0.0
13	-72250	10840			0.0	0.0	0.0
14	-0	10840			0.0	0.0	0.0
15	-72250	7240			0.0	0.0	0.0
16	-57650	7240	⏃			0.0	0.0
17	-4160	7440			0.0	0.0	0.0
18	-4160	8290			0.0	0.0	0.0
19	-5350	8290			0.0	0.0	0.0
20	-5350	7440			0.0	0.0	0.0
21	-9650	7440			0.0	0.0	0.0
22	-9650	8290			0.0	0.0	0.0
23	-7250	8290			0.0	0.0	0.0
24	-7250	7440			0.0	0.0	0.0
25	-12050	7440			0.0	0.0	0.0
26	-12050	8290			0.0	0.0	0.0
27	-16850	8290			0.0	0.0	0.0
28	-16850	7440			0.0	0.0	0.0
29	-24050	7440			0.0	0.0	0.0
30	-24050	8290			0.0	0.0	0.0
31	-19250	8290			0.0	0.0	0.0
32	-19250	7440			0.0	0.0	0.0
33	-28850	-0	*			32000.0	358000.0
34	-28850	18040			0.0	0.0	0.0
35	-26300	7440			0.0	0.0	0.0
36	-28850	7440			0.0	0.0	0.0
37	-26300	8290			0.0	0.0	0.0
38	-28850	8290			0.0	0.0	0.0
39	-64850	-0	⏃			0.0	0.0
40	-64850	18240	⏃			0.0	0.0
41	-57650	-0	*			32000.0	358000.0
42	-57650	18240			0.0	0.0	0.0
43	-55100	7440			0.0	0.0	0.0
44	-55100	8290			0.0	0.0	0.0
45	-57650	8290	⏃			0.0	0.0
46	-57650	7440			0.0	0.0	0.0
47	-50450	-0	*			32000.0	358000.0
48	-50450	7440			0.0	0.0	0.0
49	-50450	8290			0.0	0.0	0.0
50	-50450	18240			0.0	0.0	0.0
51	-52850	7440			0.0	0.0	0.0
52	-52850	8290			0.0	0.0	0.0
53	-48050	8290			0.0	0.0	0.0
54	-48050	7440			0.0	0.0	0.0
55	-43250	-0	*			28000.0	358000.0
56	-43250	7440			0.0	0.0	0.0
57	-43250	8290			0.0	0.0	0.0
58	-45650	7440			0.0	0.0	0.0
59	-45650	8290			0.0	0.0	0.0
60	-40850	8290			0.0	0.0	0.0
61	-40850	7440			0.0	0.0	0.0
62	-38600	7440			0.0	0.0	0.0
63	-38600	8290			0.0	0.0	0.0
64	-36050	8290			0.0	0.0	0.0
65	-36050	7440			0.0	0.0	0.0
66	-36050	-0	*			28000.0	358000.0
67	-36050	18040			0.0	0.0	0.0
68	-21650	-0	*			32000.0	358000.0
69	-21650	7440			0.0	0.0	0.0
70	-21650	8290			0.0	0.0	0.0
71	-14450	-0	*			32000.0	358000.0
72	-14450	7440			0.0	0.0	0.0
73	-14450	8290			0.0	0.0	0.0
74	-14450	18240			0.0	0.0	0.0
75	-43250	18040			0.0	0.0	0.0
76	-21650	18040			0.0	0.0	0.0
77	-0	23240			0.0	0.0	0.0
78	-0	34690			0.0	0.0	0.0
79	-2650	34690			0.0	0.0	0.0
80	-2650	41240			0.0	0.0	0.0
81	-14450	18040	*			26100.0	26100.0
82	-72050	18040	*			13050.0	13050.0
83	-72050	10840	*			13050.0	13050.0
84	-72050	7240	*			13050.0	13050.0
85	-71900	120	*			13050.0	13050.0
86	-7475	95	*			16000.0	
87	-0	7440			0.0	0.0	0.0
88	-7250	7240	*			26100.0	26100.0
89	-14450	7240	*			26100.0	26100.0
90	-21650	7240	*			26100.0	26100.0
91	-43250	7240	*			26100.0	26100.0
92	-50450	7240	*			26100.0	26100.0
93	-7250	18040			0.0	0.0	0.0
94	-7250	23240			0.0	0.0	0.0
95	-7250	41240			0.0	0.0	0.0
96	-7250	41440			0.0	0.0	0.0
97	-7250	23040			0.0	0.0	0.0
98	-21850	23040			0.0	0.0	0.0
99	-14450	23040			0.0	0.0	0.0
100	-14450	41440			0.0	0.0	0.0
101	-0	34040			0.0	0.0	0.0
102	-54050	34040			0.0	0.0	0.0
103	-72510	29790			0.0	0.0	0.0
104	-72510	41440			0.0	0.0	0.0
105	-21650	41440			0.0	0.0	0.0
106	-21650	30440	*			26100.0	26100.0
107	-21650	41240			0.0	0.0	0.0
108	-43250	41240			0.0	0.0	0.0
109	-54050	41440			0.0	0.0	0.0
110	-43250	41440			0.0	0.0	0.0
111	-43250	30240			0.0	0.0	0.0
112	-54050	30240			0.0	0.0	0.0
113	-36050	30240			0.0	0.0	0.0
114	-50450	30240			0.0	0.0	0.0
115	-50450	41440			0.0	0.0	0.0
116	-36050	41240			0.0	0.0	0.0
117	-32450	30240			0.0	0.0	0.0
118	-21850	30240			0.0	0.0	0.0
119	-0	30440			0.0	0.0	0.0
120	-28850	30240			0.0	0.0	0.0
121	-28850	41240			0.0	0.0	0.0
122	-14450	23240	*			26100.0	26100.0
123	-14450	41240	*			26100.0	26100.0
124	-21650	23240	⏃			0.0	0.0
125	-28850	30440	*			26100.0	26100.0
126	-43250	30440	*			13050.0	13050.0
127	-50450	30440	*			13050.0	13050.0
128	-50450	41240	*			13050.0	13050.0
129	-54310	29790			0.0	0.0	0.0

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Image Engineering Scan Reference Chart TE263 Serial No. 395
Patch Reference numbers on UTI

Data - Knopen

kn	x mm	z mm	stpt.	enkel werkend	ky kN/m	kr,x kNm/rad	kr,z kNm/rad
130	-54310	41440			0.0	0.0	0.0
131	-65110	29790			0.0	0.0	0.0
132	-65110	41440			0.0	0.0	0.0
133	-57910	29790			0.0	0.0	0.0
134	-57910	41440			0.0	0.0	0.0
135	-72510	34040			0.0	0.0	0.0
136	-54310	34040			0.0	0.0	0.0
137	-72310	34040	*			19400.0	19400.0
138	-72310	41240	*			19400.0	19400.0
139	-65110	41240	*			19400.0	19400.0
140	-57910	41240	*			19400.0	19400.0
141	-57910	30215	*			186000.0	41200.0
142	-65110	30215	*			186000.0	41200.0
143	-72310	30215	*			186000.0	41200.0
144	-72250	5440			0.0	0.0	0.0
145	-4145	5440			0.0	0.0	0.0
146	-39650	-0			0.0	0.0	0.0
147	-39650	5440			0.0	0.0	0.0
148	-10850	-0			0.0	0.0	0.0
149	-10850	5440			0.0	0.0	0.0
150	-4145	-0			0.0	0.0	0.0
151	-1120	3765			0.0	0.0	0.0
152	-1120	5465			0.0	0.0	0.0
153	-3050	5465			0.0	0.0	0.0
154	-3050	3765			0.0	0.0	0.0
155	-2085	-0			0.0	0.0	0.0
156	-2085	3765			0.0	0.0	0.0
157	-5350	11490			0.0	0.0	0.0
158	-5350	18040			0.0	0.0	0.0
159	-4160	11490			0.0	0.0	0.0
160	-2650	14815			0.0	0.0	0.0
161	-5350	14815			0.0	0.0	0.0
162	-2650	16715			0.0	0.0	0.0
163	-5350	16715			0.0	0.0	0.0
164	-9650	10840			0.0	0.0	0.0
165	-4145	28715			0.0	0.0	0.0
166	-4145	23240			0.0	0.0	0.0
167	-5425	23240			0.0	0.0	0.0
168	-5425	26990			0.0	0.0	0.0
169	-4145	26990			0.0	0.0	0.0
170	-3050	28665			0.0	0.0	0.0
171	-1120	28665			0.0	0.0	0.0
172	-1120	26965			0.0	0.0	0.0
173	-3050	26965			0.0	0.0	0.0
174	-2085	26965			0.0	0.0	0.0
175	-2085	23240			0.0	0.0	0.0
176	-7250	26965			0.0	0.0	0.0
177	-7250	30440	*			26100.0	26100.0
178	-9675	30440			0.0	0.0	0.0
179	-9675	26965			0.0	0.0	0.0
180	-5425	34690			0.0	0.0	0.0
181	-5425	41240			0.0	0.0	0.0
182	-2650	38015			0.0	0.0	0.0
183	-5425	38015			0.0	0.0	0.0
184	-5425	39915			0.0	0.0	0.0
185	-2650	39915			0.0	0.0	0.0
186	-38600	10840			0.0	0.0	0.0
187	-28850	7240			0.0	0.0	0.0
188	-36050	7240			0.0	0.0	0.0
189	-54050	41240			0.0	0.0	0.0
190	-54310	41240			0.0	0.0	0.0
191	-54050	37640			0.0	0.0	0.0
192	-54310	37640			0.0	0.0	0.0
193	-54050	30440			0.0	0.0	0.0
194	-54310	30440			0.0	0.0	0.0
195	-57650	18040	*			26100.0	26100.0
196	-50450	18040	*			26100.0	26100.0
197	-64850	7240	⅄			0.0	0.0
198	-21650	34040	*			26100.0	26100.0
199	-4160	10840			0.0	0.0	0.0
200	-57650	5440			0.0	0.0	0.0
201	-28850	10840			0.0	0.0	0.0
202	-36050	10840			0.0	0.0	0.0
203	-43250	10840	*			26100.0	26100.0
204	-21650	10840	*			26100.0	26100.0
205	-14450	10840	*			26100.0	26100.0
206	-7250	5440			0.0	0.0	0.0
207	-14450	5440			0.0	0.0	0.0
208	-21650	5440			0.0	0.0	0.0
209	-43250	5440			0.0	0.0	0.0
210	-50450	5440			0.0	0.0	0.0
211	-7250	10840	*			26100.0	26100.0
212	-36050	34040			0.0	0.0	0.0
213	-14450	30440	*			26100.0	26100.0
214	-28850	34040	*			26100.0	26100.0
215	-43250	34040	*			13050.0	13050.0
216	-50450	34040	*			13050.0	13050.0
217	-57910	34040	*			19400.0	19400.0
218	-65110	34040	*			19400.0	19400.0
219	-5350	10840			0.0	0.0	0.0
220	-7250	34040	*			26100.0	26100.0
221	-28850	5440			0.0	0.0	0.0
222	-36050	5440			0.0	0.0	0.0
223	-57650	10840	⅄			0.0	0.0
224	-50450	10840	*			26100.0	26100.0
225	-64850	5440	⅄			0.0	0.0
226	-64850	10840	⅄			0.0	0.0
227	-14450	34040	*			26100.0	26100.0
228	-58450	800	*		0.0	0.0	0.0
229	-56850	800	*		0.0	0.0	0.0
230	-49450	9840	*		0.0	0.0	0.0
231	-51450	9840	*		0.0	0.0	0.0
232	-49450	11840	*		0.0	0.0	0.0
233	-51450	11840	*		0.0	0.0	0.0
234	-51250	800	*		0.0	0.0	0.0
235	-44050	800	*		0.0	0.0	0.0
236	-36850	800	*		0.0	0.0	0.0
237	-29650	800	*		0.0	0.0	0.0
238	-49650	800	*		0.0	0.0	0.0
239	-42450	800	*		0.0	0.0	0.0
240	-35250	800	*		0.0	0.0	0.0
241	-28050	800	*		0.0	0.0	0.0
242	-22450	800	*		0.0	0.0	0.0
243	-15250	800	*		0.0	0.0	0.0
244	-20850	800	*		0.0	0.0	0.0
245	-13650	800	*		0.0	0.0	0.0
246	-42250	9840	*		0.0	0.0	0.0
247	-44250	9840	*		0.0	0.0	0.0
248	-42250	11840	*		0.0	0.0	0.0
249	-44250	11840	*		0.0	0.0	0.0
250	-20650	9840	*		0.0	0.0	0.0
251	-22650	9840	*		0.0	0.0	0.0
252	-20650	11840	*		0.0	0.0	0.0
253	-22650	11840	*		0.0	0.0	0.0
254	-13450	9840	*		0.0	0.0	0.0
255	-15450	9840	*		0.0	0.0	0.0
256	-13450	11840	*		0.0	0.0	0.0
257	-15450	11840	*		0.0	0.0	0.0
258	-6250	9840	*		0.0	0.0	0.0

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Serial No. 395

Data - Knopen

kn	x mm	z mm	stpt.	enkel werkend	ky kN/m	kr,x kNm/rad	kr,z kNm/rad
259	-8250	9840	*		0.0	0.0	0.0
260	-6250	11840	*		0.0	0.0	0.0
261	-8250	11840	*		0.0	0.0	0.0
262	-15650	16840	*		0.0	0.0	0.0
263	-58850	16840	*		0.0	0.0	0.0
264	-51650	16840	*		0.0	0.0	0.0
265	-13250	16840	*		0.0	0.0	0.0
266	-56450	16840	*		0.0	0.0	0.0
267	-49250	16840	*		0.0	0.0	0.0
268	-15450	29440	*		0.0	0.0	0.0
269	-15450	33040	*		0.0	0.0	0.0
270	-13450	29440	*		0.0	0.0	0.0
271	-13450	33040	*		0.0	0.0	0.0
272	-15450	31440	*		0.0	0.0	0.0
273	-15450	35040	*		0.0	0.0	0.0
274	-13450	31440	*		0.0	0.0	0.0
275	-13450	35040	*		0.0	0.0	0.0
276	-8250	29440	*		0.0	0.0	0.0
277	-8250	33040	*		0.0	0.0	0.0
278	-6250	29440	*		0.0	0.0	0.0
279	-6250	33040	*		0.0	0.0	0.0
280	-8250	31440	*		0.0	0.0	0.0
281	-8250	35040	*		0.0	0.0	0.0
282	-6250	31440	*		0.0	0.0	0.0
283	-6250	35040	*		0.0	0.0	0.0
284	-22650	33040	*		0.0	0.0	0.0
285	-29850	33040	*		0.0	0.0	0.0
286	-20650	33040	*		0.0	0.0	0.0
287	-27850	33040	*		0.0	0.0	0.0
288	-22650	35040	*		0.0	0.0	0.0
289	-29850	35040	*		0.0	0.0	0.0
290	-20650	35040	*		0.0	0.0	0.0
291	-27850	35040	*		0.0	0.0	0.0
292	-20650	29440	*		0.0	0.0	0.0
293	-22650	31440	*		0.0	0.0	0.0
294	-20650	31440	*		0.0	0.0	0.0
295	-29850	31440	*		0.0	0.0	0.0
296	-27850	31440	*		0.0	0.0	0.0
297	-15650	40040	*		0.0	0.0	0.0
298	-13250	40040	*		0.0	0.0	0.0
299	-44250	33040	*		0.0	0.0	0.0
300	-42250	33040	*		0.0	0.0	0.0
301	-44250	35040	*		0.0	0.0	0.0
302	-42250	35040	*		0.0	0.0	0.0
303	-44250	31440	*		0.0	0.0	0.0
304	-42250	31440	*		0.0	0.0	0.0
305	-51450	33040	*		0.0	0.0	0.0
306	-49450	33040	*		0.0	0.0	0.0
307	-51450	35040	*		0.0	0.0	0.0
308	-49450	35040	*		0.0	0.0	0.0
309	-51450	31440	*		0.0	0.0	0.0
310	-49450	31440	*		0.0	0.0	0.0
311	-51650	40040	*		0.0	0.0	0.0
312	-49250	40040	*		0.0	0.0	0.0
313	-15650	24440	*		0.0	0.0	0.0
314	-13250	24440	*		0.0	0.0	0.0
315	-64110	35040	*		0.0	0.0	0.0
316	-66110	35040	*		0.0	0.0	0.0
317	-64110	33040	*		0.0	0.0	0.0
318	-66110	33040	*		0.0	0.0	0.0
319	-56910	35040	*		0.0	0.0	0.0
320	-58910	35040	*		0.0	0.0	0.0
321	-56910	33040	*		0.0	0.0	0.0
322	-58910	33040	*		0.0	0.0	0.0
323	-63910	40040	*		0.0	0.0	0.0
324	-66310	40040	*		0.0	0.0	0.0
325	-56710	40040	*		0.0	0.0	0.0
326	-59110	40040	*		0.0	0.0	0.0
327	-64110	31215	*		0.0	0.0	0.0
328	-66110	31215	*		0.0	0.0	0.0
329	-56910	31215	*		0.0	0.0	0.0
330	-58910	31215	*		0.0	0.0	0.0
331	-30700	7240			0.0	0.0	0.0
332	-59500	7240	⚓			0.0	0.0
333	-34750	30240			0.0	0.0	0.0
334	-8075	695	*		0.0	0.0	0.0
335	-8250	17040			0.0	0.0	0.0
336	-6250	17040			0.0	0.0	0.0
337	-27850	11840			0.0	0.0	0.0
338	-29850	11840			0.0	0.0	0.0
339	-27850	9840			0.0	0.0	0.0
340	-27850	6240			0.0	0.0	0.0
341	-29850	6240			0.0	0.0	0.0
342	-37050	6240			0.0	0.0	0.0
343	-35050	6240			0.0	0.0	0.0
344	-37050	11840			0.0	0.0	0.0
345	-35050	11840			0.0	0.0	0.0
346	-37050	9840			0.0	0.0	0.0
347	-56650	11840			0.0	0.0	0.0
348	-58650	11840			0.0	0.0	0.0
349	-56650	9840			0.0	0.0	0.0
350	-56650	6240			0.0	0.0	0.0
351	-58650	6240			0.0	0.0	0.0
352	-8250	40240			0.0	0.0	0.0
353	-6250	40240			0.0	0.0	0.0
354	-8250	24240			0.0	0.0	0.0
355	-6250	24240			0.0	0.0	0.0
356	-64850	1088			0.0	0.0	0.0
357	-64850	2176			0.0	0.0	0.0
358	-64850	3264			0.0	0.0	0.0
359	-64850	4352			0.0	0.0	0.0
360	-64850	6340			0.0	0.0	0.0
361	-64850	8440			0.0	0.0	0.0
362	-64850	9640			0.0	0.0	0.0
363	-64850	17183			0.0	0.0	0.0
364	-64850	16126			0.0	0.0	0.0
365	-64850	15069			0.0	0.0	0.0
366	-64850	14011			0.0	0.0	0.0
367	-64850	12954			0.0	0.0	0.0
368	-64850	11897			0.0	0.0	0.0
369	-58679	10840			0.0	0.0	0.0
370	-59707	10840			0.0	0.0	0.0
371	-60736	10840			0.0	0.0	0.0
372	-61764	10840			0.0	0.0	0.0
373	-62793	10840			0.0	0.0	0.0
374	-63821	10840			0.0	0.0	0.0
375	-63780	7240			0.0	0.0	0.0
376	-62710	7240			0.0	0.0	0.0
377	-61640	7240			0.0	0.0	0.0
378	-60570	7240			0.0	0.0	0.0
379	-58575	7240			0.0	0.0	0.0
380	-57650	9565			0.0	0.0	0.0
381	-28850	9565			0.0	0.0	0.0
382	-36050	9565			0.0	0.0	0.0
383	-34980	7240			0.0	0.0	0.0
384	-33910	7240			0.0	0.0	0.0
385	-32840	7240			0.0	0.0	0.0
386	-31770	7240			0.0	0.0	0.0
387	-29775	7240			0.0	0.0	0.0

Data - Knopen

kn	x mm	z mm	stpt.	enkel werkend	ky kN/m	kr,x kNm/rad	kr,z kNm/rad
388	-29879	10840			0.0	0.0	0.0
389	-30907	10840			0.0	0.0	0.0
390	-31936	10840			0.0	0.0	0.0
391	-32964	10840			0.0	0.0	0.0
392	-33993	10840			0.0	0.0	0.0
393	-35021	10840			0.0	0.0	0.0
394	-37079	18040			0.0	0.0	0.0
395	-38107	18040			0.0	0.0	0.0
396	-39136	18040			0.0	0.0	0.0
397	-40164	18040			0.0	0.0	0.0
398	-41193	18040			0.0	0.0	0.0
399	-42221	18040			0.0	0.0	0.0
400	-29879	18040			0.0	0.0	0.0
401	-30907	18040			0.0	0.0	0.0
402	-31936	18040			0.0	0.0	0.0
403	-32964	18040			0.0	0.0	0.0
404	-33993	18040			0.0	0.0	0.0
405	-35021	18040			0.0	0.0	0.0
406	-27821	18040			0.0	0.0	0.0
407	-26793	18040			0.0	0.0	0.0
408	-25764	18040			0.0	0.0	0.0
409	-24736	18040			0.0	0.0	0.0
410	-23707	18040			0.0	0.0	0.0
411	-22679	18040			0.0	0.0	0.0
412	-3115	-0			0.0	0.0	0.0
413	-1042	-0			0.0	0.0	0.0
414	-0	1063			0.0	0.0	0.0
415	-0	2126			0.0	0.0	0.0
416	-0	3189			0.0	0.0	0.0
417	-0	4252			0.0	0.0	0.0
418	-0	5314			0.0	0.0	0.0
419	-0	6377			0.0	0.0	0.0
420	-0	9707			0.0	0.0	0.0
421	-0	8573			0.0	0.0	0.0
422	-1325	11490			0.0	0.0	0.0
423	-2650	12598			0.0	0.0	0.0
424	-2650	13707			0.0	0.0	0.0
425	-4000	18040			0.0	0.0	0.0
426	-6300	18040			0.0	0.0	0.0
427	-3115	23240			0.0	0.0	0.0
428	-6337	23240			0.0	0.0	0.0
429	-1043	23240			0.0	0.0	0.0
430	-0	24269			0.0	0.0	0.0

kn	x mm	z mm	stpt.	enkel werkend	ky kN/m	kr,x kNm/rad	kr,z kNm/rad
431	-0	25297			0.0	0.0	0.0
432	-0	26326			0.0	0.0	0.0
433	-0	27354			0.0	0.0	0.0
434	-0	28383			0.0	0.0	0.0
435	-0	29411			0.0	0.0	0.0
436	-0	32840			0.0	0.0	0.0
437	-0	31640			0.0	0.0	0.0
438	-1325	34690			0.0	0.0	0.0
439	-2650	35798			0.0	0.0	0.0
440	-2650	36907			0.0	0.0	0.0
441	-3575	41240			0.0	0.0	0.0
442	-4500	41240			0.0	0.0	0.0
443	-6337	41240			0.0	0.0	0.0
444	-42221	41240			0.0	0.0	0.0
445	-41193	41240			0.0	0.0	0.0
446	-40164	41240			0.0	0.0	0.0
447	-39136	41240			0.0	0.0	0.0
448	-38107	41240			0.0	0.0	0.0
449	-37079	41240			0.0	0.0	0.0
450	-22679	41240			0.0	0.0	0.0
451	-23707	41240			0.0	0.0	0.0
452	-24736	41240			0.0	0.0	0.0
453	-25764	41240			0.0	0.0	0.0
454	-26793	41240			0.0	0.0	0.0
455	-27821	41240			0.0	0.0	0.0
456	-35021	41240			0.0	0.0	0.0
457	-33993	41240			0.0	0.0	0.0
458	-32964	41240			0.0	0.0	0.0
459	-31936	41240			0.0	0.0	0.0
460	-30907	41240			0.0	0.0	0.0
461	-29879	41240			0.0	0.0	0.0
462	-36050	40211			0.0	0.0	0.0
463	-36050	39183			0.0	0.0	0.0
464	-36050	38154			0.0	0.0	0.0
465	-36050	37126			0.0	0.0	0.0
466	-36050	36097			0.0	0.0	0.0
467	-36050	35069			0.0	0.0	0.0
468	-33600	30240			0.0	0.0	0.0

Data - Lijnen

lijn	kn1	kn2	profiel	lengte mm	hoek met X °	enkel werkend	ky kN/m/mm	kr,x kNm/rad	kr,z kNm/rad
1	5	6	?	5440	-90.00		0,0	0.0	0.0
2	17	18	?	850	90.00		0,0	0.0	0.0
3	18	19	?	1190	-180.00		0,0	0.0	0.0
4	19	20	?	850	-90.00		0,0	0.0	0.0
5	17	20	?	1190	-180.00		0,0	0.0	0.0
6	21	22	?	850	90.00		0,0	0.0	0.0
7	22	23	?	2400	0.00		0,0	0.0	0.0
8	23	24	?	850	-90.00		0,0	0.0	0.0
9	21	24	?	2400	0.00		0,0	0.0	0.0
10	25	26	?	850	90.00		0,0	0.0	0.0
11	27	28	?	850	-90.00		0,0	0.0	0.0
12	29	30	?	850	90.00		0,0	0.0	0.0
13	31	32	?	850	-90.00		0,0	0.0	0.0
14	35	36	?	2550	-180.00		0,0	0.0	0.0
15	37	38	?	2550	-180.00		0,0	0.0	0.0
16	35	37	?	850	90.00		0,0	0.0	0.0
17	43	44	?	850	90.00		0,0	0.0	0.0
18	44	45	?	2550	-180.00		0,0	0.0	0.0
19	43	46	?	2550	-180.00		0,0	0.0	0.0
20	51	52	?	850	90.00		0,0	0.0	0.0
21	53	54	?	850	-90.00		0,0	0.0	0.0
22	58	59	?	850	90.00		0,0	0.0	0.0
23	60	61	?	850	-90.00		0,0	0.0	0.0
24	62	63	?	850	90.00		0,0	0.0	0.0
25	63	64	?	2550	0.00		0,0	0.0	0.0
26	62	65	?	2550	0.00		0,0	0.0	0.0
27	19	23	?	1900	-180.00		0,0	0.0	0.0
28	20	24	?	1900	180.00		0,0	0.0	0.0
29	21	25	?	2400	-180.00		0,0	0.0	0.0
30	22	26	?	2400	180.00		0,0	0.0	0.0
31	28	32	?	2400	-180.00		0,0	0.0	0.0
32	27	31	?	2400	-180.00		0,0	0.0	0.0
33	29	35	?	2250	-180.00		0,0	0.0	0.0
34	30	37	?	2250	-180.00		0,0	0.0	0.0
35	61	62	?	2250	0.00		0,0	0.0	0.0
36	60	63	?	2250	-0.00		0,0	0.0	0.0
37	54	58	?	2400	0.00		0,0	0.0	0.0
38	53	59	?	2400	0.00		0,0	0.0	0.0
39	43	51	?	2250	-0.00		0,0	0.0	0.0
40	44	52	?	2250	-0.00		0,0	0.0	0.0
41	17	87	?	4160	0.00		0,0	0.0	0.0
42	98	118	?	7200	90.00		0,0	0.0	0.0
43	106	118	?	283	-135.03		0,0	0.0	0.0
44	146	147	?	5440	90.00		0,0	0.0	0.0
45	148	149	?	5440	90.00		0,0	0.0	0.0
46	145	150	?	5440	-90.00		0,0	0.0	0.0
47	151	152	?	1700	90.00		0,0	0.0	0.0
48	153	154	?	1700	-90.00		0,0	0.0	0.0
49	152	153	?	1930	-180.00		0,0	0.0	0.0
50	155	156	?	3765	90.00		0,0	0.0	0.0
51	160	161	?	2700	-180.00		0,0	0.0	0.0
52	162	163	?	2700	-180.00		0,0	0.0	0.0
53	22	164	?	2550	90.00		0,0	0.0	0.0
54	167	168	?	3750	90.00		0,0	0.0	0.0
55	168	169	?	1280	0.00		0,0	0.0	0.0
56	170	171	?	1930	0.00		0,0	0.0	0.0
57	171	172	?	1700	-90.00		0,0	0.0	0.0
58	170	173	?	1700	-90.00		0,0	0.0	0.0
59	174	175	?	3725	-90.00		0,0	0.0	0.0
60	176	177	?	3475	90.00		0,0	0.0	0.0
61	177	178	?	2425	-180.00		0,0	0.0	0.0
62	178	179	?	3475	-90.00		0,0	0.0	0.0
63	176	179	?	2425	-180.00		0,0	0.0	0.0
64	79	180	?	2775	-180.00		0,0	0.0	0.0
65	182	183	?	2775	-180.00		0,0	0.0	0.0
66	184	185	?	2775	0.00		0,0	0.0	0.0
67	63	186	?	2550	90.00		0,0	0.0	0.0
68	5	145	?	1330	0.00		0,0	0.0	0.0
69	2	13	?	7400	-90.00		0,0	0.0	0.0
70	8	14	?	650	-90.00			0.0	0.0
71	13	15	?	3600	-90.00		0,0	0.0	0.0
72	2	40	?	7400	-0.00		0,0	0.0	0.0
73	40	42	?	7200	-0.00		0,0	0.0	0.0
74	16	46	?	200	90.00		0,0	0.0	0.0
75	48	51	?	2400	-180.00		0,0	0.0	0.0
76	48	54	?	2400	0.00		0,0	0.0	0.0
77	49	52	?	2400	-180.00		0,0	0.0	0.0
78	49	53	?	2400	0.00		0,0	0.0	0.0
79	12	50	?	7200	-180.00		0,0	0.0	0.0
80	42	50	?	7200	-0.00		0,0	0.0	0.0
81	56	58	?	2400	-180.00		0,0	0.0	0.0
82	56	61	?	2400	-0.00		0,0	0.0	0.0
83	57	59	?	2400	-180.00		0,0	0.0	0.0
84	57	60	?	2400	0.00		0,0	0.0	0.0
85	29	69	?	2400	0.00		0,0	0.0	0.0
86	32	69	?	2400	-180.00		0,0	0.0	0.0

B12

Data - Lijnen

lijn	kn1	kn2	profiel	lengte mm	hoek met X °	enkel werkend	ky kN/m/mm	kr,x kNm/rad	kr,z kNm/rad
87	30	70	?	2400	0.00		0,0	0.0	0.0
88	31	70	?	2400	-180.00		0,0	0.0	0.0
89	25	72	?	2400	-180.00		0,0	0.0	0.0
90	28	72	?	2400	0.00		0,0	0.0	0.0
91	26	73	?	2400	-180.00		0,0	0.0	0.0
92	27	73	?	2400	0.00		0,0	0.0	0.0
93	4	74	?	7200	-180.00		0,0	0.0	0.0
94	11	74	?	7200	-0.00		0,0	0.0	0.0
95	12	75	?	200	-90.00		0,0	0.0	0.0
96	11	76	?	200	-90.02		0,0	0.0	0.0
97	74	81	?	200	-90.00		0,0	0.0	0.0
98	13	83	?	200	-0.00		0,0	0.0	0.0
99	15	84	?	200	0.00		0,0	0.0	0.0
100	1	39	?	7400	0.00		0,0	0.0	0.0
101	39	41	?	7200	0.00		0,0	0.0	0.0
102	41	47	?	7200	0.00		0,0	0.0	0.0
103	47	55	?	7200	0.00		0,0	0.0	0.0
104	33	66	?	7200	-180.00		0,0	0.0	0.0
105	33	68	?	7200	0.00		0,0	0.0	0.0
106	68	71	?	7200	0.00		0,0	0.0	0.0
107	24	88	?	200	-90.00		0,0	0.0	0.0
108	72	89	?	200	-90.00		0,0	0.0	0.0
109	69	90	?	200	-90.00		0,0	0.0	0.0
110	56	91	?	200	-90.00		0,0	0.0	0.0
111	48	92	?	200	-90.00		0,0	0.0	0.0
112	4	93	?	200	-90.00		0,0	0.0	0.0
113	94	97	?	200	-90.00		0,0	0.0	0.0
114	95	96	?	200	90.00		0,0	0.0	0.0
115	97	99	?	7200	-180.00		0,0	0.0	0.0
116	98	99	?	7400	0.00		0,0	0.0	0.0
117	96	100	?	7200	-180.00		0,0	0.0	0.0
118	100	105	?	7200	-180.00		0,0	0.0	0.0
119	78	101	?	650	-90.00			0.0	0.0
120	105	107	?	200	-90.00		0,0	0.0	0.0
121	108	110	?	200	90.00		0,0	0.0	0.0
122	111	113	?	7200	0.00		0,0	0.0	0.0
123	111	114	?	7200	-180.00		0,0	0.0	0.0
124	112	114	?	3600	0.00		0,0	0.0	0.0
125	109	115	?	3600	0.00		0,0	0.0	0.0
126	110	115	?	7200	-180.00		0,0	0.0	0.0
127	113	212	?	3800	90.00		0,0	0.0	0.0
128	117	120	?	3600	0.00		0,0	0.0	0.0
129	118	120	?	7000	-180.00		0,0	0.0	0.0

lijn	kn1	kn2	profiel	lengte mm	hoek met X °	enkel werkend	ky kN/m/mm	kr,x kNm/rad	kr,z kNm/rad
130	99	122	?	200	90.00		0,0	0.0	0.0
131	100	123	?	200	-90.00		0,0	0.0	0.0
132	120	125	?	200	90.00		0,0	0.0	0.0
133	111	126	?	200	90.00		0,0	0.0	0.0
134	114	127	?	200	90.00		0,0	0.0	0.0
135	115	128	?	200	-90.00		0,0	0.0	0.0
136	103	131	?	7400	0.00		0,0	0.0	0.0
137	104	132	?	7400	0.00		0,0	0.0	0.0
138	129	133	?	3600	-180.00		0,0	0.0	0.0
139	131	133	?	7200	0.00		0,0	0.0	0.0
140	130	134	?	3600	-180.00		0,0	0.0	0.0
141	132	134	?	7200	0.00		0,0	0.0	0.0
142	103	135	?	4250	90.00		0,0	0.0	0.0
143	104	135	?	7400	-90.00		0,0	0.0	0.0
144	135	137	?	200	-0.00		0,0	0.0	0.0
145	132	139	?	200	-90.00		0,0	0.0	0.0
146	134	140	?	200	-90.00		0,0	0.0	0.0
147	133	141	?	425	90.00		0,0	0.0	0.0
148	131	142	?	425	90.00		0,0	0.0	0.0
149	1	144	?	5440	90.00		0,0	0.0	0.0
150	15	144	?	1800	-90.00		0,0	0.0	0.0
151	55	146	?	3600	0.00		0,0	0.0	0.0
152	66	146	?	3600	-180.00		0,0	0.0	0.0
153	3	148	?	3600	-180.00		0,0	0.0	0.0
154	71	148	?	3600	-0.00		0,0	0.0	0.0
155	6	150	?	1330	0.00			21200.0	0.0
156	151	156	?	965	-180.00		0,0	0.0	0.0
157	154	156	?	965	0.00		0,0	0.0	0.0
158	9	159	?	1510	-180.00		0,0	0.0	0.0
159	157	159	?	1190	0.00		0,0	0.0	0.0
160	157	161	?	3325	90.00		0,0	0.0	0.0
161	10	162	?	1325	-90.00		0,0	0.0	0.0
162	160	162	?	1900	90.00		0,0	0.0	0.0
163	158	163	?	1325	-90.00		0,0	0.0	0.0
164	161	163	?	1900	90.00		0,0	0.0	0.0
165	166	167	?	1280	-180.00			21200.0	0.0
166	165	169	?	1725	-90.00		0,0	0.0	0.0
167	166	169	?	3750	90.00		0,0	0.0	0.0
168	172	174	?	965	-180.00		0,0	0.0	0.0
169	173	174	?	965	0.00		0,0	0.0	0.0
170	94	176	?	3725	90.00		0,0	0.0	0.0
171	119	177	?	7250	180.00		0,0	0.0	0.0
172	180	183	?	3325	90.00		0,0	0.0	0.0

the scale towards document
Image Engineering Scan Reference Chart TE263 Serial No. 395

B13

Data - Lijnen

lijn	kn1	kn2	profiel	lengte mm	hoek met X °	enkel werkend	ky kN/m/mm	kr,x kNm/rad	kr,z kNm/rad
173	181	184	?	1325	-90.00		0,0	0.0	0.0
174	183	184	?	1900	90.00		0,0	0.0	0.0
175	80	185	?	1325	-90.00		0,0	0.0	0.0
176	182	185	?	1900	90.00		0,0	0.0	0.0
177	36	187	?	200	-90.00		0,0	0.0	0.0
178	65	188	?	200	-90.00		0,0	0.0	0.0
179	109	189	?	200	-90.00		0,0	0.0	0.0
180	130	190	?	200	-90.00		0,0	0.0	0.0
181	102	191	?	3600	90.00		0,0	0.0	0.0
182	189	191	?	3600	-90.00		0,0	0.0	0.0
183	136	192	?	3600	90.00		0,0	0.0	0.0
184	190	192	?	3600	-90.00		0,0	0.0	0.0
185	102	193	?	3600	-90.00		0,0	0.0	0.0
186	112	193	?	200	90.00		0,0	0.0	0.0
187	129	194	?	650	90.00		0,0	0.0	0.0
188	136	194	?	3600	-90.00		0,0	0.0	0.0
189	42	195	?	200	-90.00		0,0	0.0	0.0
190	50	196	?	200	-90.00		0,0	0.0	0.0
191	84	197	?	7200	0.00		0,0	0.0	0.0
192	107	198	?	7200	-90.00		0,0	0.0	0.0
193	106	198	?	3600	90.00		0,0	0.0	0.0
194	18	199	?	2550	90.00		0,0	0.0	0.0
195	14	199	?	4160	-180.00		0,0	0.0	0.0
196	159	199	?	650	-90.00		0,0	0.0	0.0
197	16	200	?	1800	-90.00		0,0	0.0	0.0
198	41	200	?	5440	90.00		0,0	0.0	0.0
199	34	201	?	7200	-90.00		0,0	0.0	0.0
200	186	202	?	2550	-0.00		0,0	0.0	0.0
201	67	202	?	7200	-90.00		0,0	0.0	0.0
202	57	203	?	2550	90.00		0,0	0.0	0.0
203	186	203	?	4650	-180.00		0,0	0.0	0.0
204	75	203	?	7200	-90.00		0,0	0.0	0.0
205	70	204	?	2550	90.00		0,0	0.0	0.0
206	201	204	?	7200	-0.00		0,0	0.0	0.0
207	76	204	?	7200	-90.00		0,0	0.0	0.0
208	73	205	?	2550	90.00		0,0	0.0	0.0
209	204	205	?	7200	-0.00		0,0	0.0	0.0
210	164	205	?	4800	-180.00		0,0	0.0	0.0
211	81	205	?	7200	-90.00		0,0	0.0	0.0
212	3	206	?	5440	90.00		0,0	0.0	0.0
213	149	206	?	3600	0.00		0,0	0.0	0.0
214	5	206	?	1775	-180.00		0,0	0.0	0.0
215	88	206	?	1800	-90.00		0,0	0.0	0.0
216	71	207	?	5440	90.00		0,0	0.0	0.0
217	149	207	?	3600	-180.00		0,0	0.0	0.0
218	89	207	?	1800	-90.00		0,0	0.0	0.0
219	68	208	?	5440	90.00		0,0	0.0	0.0
220	207	208	?	7200	-180.00		0,0	0.0	0.0
221	90	208	?	1800	-90.00		0,0	0.0	0.0
222	55	209	?	5440	90.00		0,0	0.0	0.0
223	147	209	?	3600	-180.00		0,0	0.0	0.0
224	91	209	?	1800	-90.00		0,0	0.0	0.0
225	47	210	?	5440	90.00		0,0	0.0	0.0
226	209	210	?	7200	-180.00		0,0	0.0	0.0
227	200	210	?	7200	0.00		0,0	0.0	0.0
228	92	210	?	1800	-90.00		0,0	0.0	0.0
229	23	211	?	2550	90.00		0,0	0.0	0.0
230	164	211	?	2400	-0.00		0,0	0.0	0.0
231	93	211	?	7200	-90.00		0,0	0.0	0.0
232	122	213	?	7200	90.00		0,0	0.0	0.0
233	178	213	?	4775	-180.00		0,0	0.0	0.0
234	106	213	?	7200	0.00		0,0	0.0	0.0
235	121	214	?	7200	-90.00		0,0	0.0	0.0
236	212	214	?	7200	0.00		0,0	0.0	0.0
237	198	214	?	7200	-180.00		0,0	0.0	0.0
238	125	214	?	3600	90.00		0,0	0.0	0.0
239	108	215	?	7200	-90.00		0,0	0.0	0.0
240	212	215	?	7200	-180.00		0,0	0.0	0.0
241	126	215	?	3600	90.00		0,0	0.0	0.0
242	127	216	?	3600	90.00		0,0	0.0	0.0
243	215	216	?	7200	-180.00		0,0	0.0	0.0
244	102	216	?	3600	0.00		0,0	0.0	0.0
245	128	216	?	7200	-90.00		0,0	0.0	0.0
246	136	217	?	3600	-180.00		0,0	0.0	0.0
247	141	217	?	3825	90.00		0,0	0.0	0.0
248	140	217	?	7200	-90.00		0,0	0.0	0.0
249	139	218	?	7200	-90.00		0,0	0.0	0.0
250	217	218	?	7200	-180.00		0,0	0.0	0.0
251	137	218	?	7200	-0.00		0,0	0.0	0.0
252	142	218	?	3825	90.00		0,0	0.0	0.0
253	19	219	?	2550	90.00		0,0	0.0	0.0
254	211	219	?	1900	-0.00		0,0	0.0	0.0
255	199	219	?	1190	-180.00		0,0	0.0	0.0
256	157	219	?	650	-90.00		0,0	0.0	0.0
257	95	220	?	7200	-90.00		0,0	0.0	0.0
258	101	220	?	7250	-180.00		0,0	0.0	0.0

B14

Data - Lijnen

lijn	kn1	kn2	profiel	lengte mm	hoek met X °	enkel werkend	ky kN/m/mm	kr,x kNm/rad	kr,z kNm/rad
259	177	220	?	3600	90.00		0,0	0.0	0.0
260	33	221	?	5440	90.00		0,0	0.0	0.0
261	208	221	?	7200	-180.00		0,0	0.0	0.0
262	187	221	?	1800	-90.00		0,0	0.0	0.0
263	66	222	?	5440	90.00		0,0	0.0	0.0
264	221	222	?	7200	-180.00		0,0	0.0	0.0
265	147	222	?	3600	0.00		0,0	0.0	0.0
266	188	222	?	1800	-90.00		0,0	0.0	0.0
267	195	223	?	7200	-90.00		0,0	0.0	0.0
268	49	224	?	2550	90.00		0,0	0.0	0.0
269	223	224	?	7200	0.00		0,0	0.0	0.0
270	203	224	?	7200	-180.00		0,0	0.0	0.0
271	196	224	?	7200	-90.00		0,0	0.0	0.0
272	200	225	?	7200	-180.00		0,0	0.0	0.0
273	144	225	?	7400	0.00		0,0	0.0	0.0
274	83	226	?	7200	0.00		0,0	0.0	0.0
275	123	227	?	7200	-90.00		0,0	0.0	0.0
276	220	227	?	7200	-180.00		0,0	0.0	0.0
277	198	227	?	7200	0.00		0,0	0.0	0.0
278	213	227	?	3600	90.00		0,0	0.0	0.0
279	113	333	?	1300	0.00			0.0	0.0
280	39	356	?	1088	90.00			0.0	10600.0
281	356	357	?	1088	90.00			0.0	10600.0
282	357	358	?	1088	90.00			0.0	10600.0
283	358	359	?	1088	90.00			0.0	10600.0
284	225	359	?	1088	-90.00			0.0	10600.0
285	197	360	?	900	-90.00			0.0	10600.0
286	225	360	?	900	90.00			0.0	10600.0
287	197	361	?	1200	90.00			0.0	36700.0
288	361	362	?	1200	90.00			0.0	36700.0
289	226	362	?	1200	-90.00			0.0	36700.0
290	40	363	?	1057	-90.00			0.0	10600.0
291	363	364	?	1057	-90.00			0.0	10600.0
292	364	365	?	1057	-90.00			0.0	10600.0
293	365	366	?	1057	-90.00			0.0	10600.0
294	366	367	?	1057	-90.00			0.0	10600.0
295	367	368	?	1057	-90.00			0.0	10600.0
296	226	368	?	1057	90.00			0.0	10600.0
297	223	369	?	1029	-180.00			36700.0	0.0
298	369	370	?	1029	-180.00			36700.0	0.0
299	370	371	?	1029	-180.00			36700.0	0.0
300	371	372	?	1029	-180.00			36700.0	0.0
301	372	373	?	1029	-180.00			36700.0	0.0
302	373	374	?	1029	-180.00			36700.0	0.0
303	226	374	?	1029	0.00			36700.0	0.0
304	197	375	?	1070	0.00			0.0	0.0
305	375	376	?	1070	0.00			0.0	0.0
306	376	377	?	1070	0.00			0.0	0.0
307	377	378	?	1070	0.00			0.0	0.0
308	332	378	?	1070	-180.00			0.0	0.0
309	16	379	?	925	-180.00			36700.0	0.0
310	332	379	?	925	0.00			36700.0	0.0
311	45	380	?	1275	90.00			0.0	36700.0
312	223	380	?	1275	-90.00			0.0	36700.0
313	38	381	?	1275	90.00			0.0	36700.0
314	201	381	?	1275	-90.00			0.0	36700.0
315	64	382	?	1275	90.00			0.0	36700.0
316	202	382	?	1275	-90.00			0.0	36700.0
317	188	383	?	1070	-0.00			0.0	0.0
318	383	384	?	1070	-0.00			0.0	0.0
319	384	385	?	1070	-0.00			0.0	0.0
320	385	386	?	1070	-0.00			0.0	0.0
321	331	386	?	1070	-180.00			0.0	0.0
322	187	387	?	925	-180.00			36700.0	0.0
323	331	387	?	925	0.00			36700.0	0.0
324	201	388	?	1029	-180.00			36700.0	0.0
325	388	389	?	1029	-180.00			36700.0	0.0
326	389	390	?	1029	-180.00			36700.0	0.0
327	390	391	?	1029	-180.00			36700.0	0.0
328	391	392	?	1029	-180.00			36700.0	0.0
329	392	393	?	1029	-180.00			36700.0	0.0
330	202	393	?	1029	-0.00			36700.0	0.0
331	67	394	?	1029	-180.00			0.0	0.0
332	394	395	?	1029	-180.00			0.0	0.0
333	395	396	?	1029	-180.00			0.0	0.0
334	396	397	?	1029	-180.00			0.0	0.0
335	397	398	?	1029	-180.00			0.0	0.0
336	398	399	?	1029	-180.00			0.0	0.0
337	75	399	?	1029	-0.00			0.0	0.0
338	34	400	?	1029	-180.00			0.0	0.0
339	400	401	?	1029	-180.00			0.0	0.0
340	401	402	?	1029	-180.00			0.0	0.0
341	402	403	?	1029	-180.00			0.0	0.0
342	403	404	?	1029	-180.00			0.0	0.0
343	404	405	?	1029	-180.00			0.0	0.0
344	67	405	?	1029	-0.00			0.0	0.0

the scale towards document
Image Engineering Scan Reference Chart TE263 Serial No. 395
Print Reference numbers on UTT

Data - Lijnen

lijn	kn1	kn2	profiel	lengte mm	hoek met X °	enkel werkend	ky kN/m/mm	kr,x kNm/rad	kr,z kNm/rad
345	34	406	?	1029	-0.00			0.0	0.0
346	406	407	?	1029	-0.00			0.0	0.0
347	407	408	?	1029	-0.00			0.0	0.0
348	408	409	?	1029	-0.00			0.0	0.0
349	409	410	?	1029	-0.00			0.0	0.0
350	410	411	?	1029	-0.00			0.0	0.0
351	76	411	?	1029	-180.00			0.0	0.0
352	150	412	?	1030	0.00			21200.0	0.0
353	155	412	?	1030	-180.00			21200.0	0.0
354	7	413	?	1042	-180.00			21200.0	0.0
355	155	413	?	1042	0.00			21200.0	0.0
356	7	414	?	1063	90.00			0.0	21200.0
357	414	415	?	1063	90.00			0.0	21200.0
358	415	416	?	1063	90.00			0.0	21200.0
359	416	417	?	1063	90.00			0.0	21200.0
360	417	418	?	1063	90.00			0.0	21200.0
361	418	419	?	1063	90.00			0.0	21200.0
362	87	419	?	1063	-90.00			0.0	21200.0
363	14	420	?	1133	-90.00			0.0	0.0
364	420	421	?	1133	-90.00			0.0	0.0
365	87	421	?	1133	90.00			0.0	0.0
366	8	422	?	1325	-180.00			0.0	0.0
367	9	422	?	1325	0.00			0.0	0.0
368	9	423	?	1108	90.00			0.0	21200.0
369	423	424	?	1108	90.00			0.0	21200.0
370	160	424	?	1108	-90.00			0.0	21200.0
371	10	425	?	1350	-180.00			21200.0	0.0
372	158	425	?	1350	-0.00			21200.0	0.0
373	93	426	?	950	-0.00			21200.0	0.0
374	158	426	?	950	-180.00			21200.0	0.0
375	166	427	?	1030	0.00			21200.0	0.0
376	175	427	?	1030	-180.00			21200.0	0.0
377	94	428	?	913	-0.00			21200.0	0.0
378	167	428	?	913	-180.00			21200.0	0.0
379	77	429	?	1042	-180.00			21200.0	0.0
380	175	429	?	1042	0.00			21200.0	0.0
381	77	430	?	1029	90.00			0.0	21200.0
382	430	431	?	1029	90.00			0.0	21200.0
383	431	432	?	1029	90.00			0.0	21200.0
384	432	433	?	1029	90.00			0.0	21200.0
385	433	434	?	1029	90.00			0.0	21200.0
386	434	435	?	1029	90.00			0.0	21200.0
387	119	435	?	1029	-90.00			0.0	21200.0
388	101	436	?	1200	-90.00			0.0	0.0
389	436	437	?	1200	-90.00			0.0	0.0
390	119	437	?	1200	90.00			0.0	0.0
391	78	438	?	1325	-180.00			0.0	0.0
392	79	438	?	1325	0.00			0.0	0.0
393	79	439	?	1108	90.00			0.0	21200.0
394	439	440	?	1108	90.00			0.0	21200.0
395	182	440	?	1108	-90.00			0.0	21200.0
396	80	441	?	925	-180.00			21200.0	0.0
397	441	442	?	925	-180.00			21200.0	0.0
398	181	442	?	925	-0.00			21200.0	0.0
399	95	443	?	913	0.00			21200.0	0.0
400	181	443	?	913	-180.00			21200.0	0.0
401	108	444	?	1029	-0.00			0.0	0.0
402	444	445	?	1029	-0.00			0.0	0.0
403	445	446	?	1029	-0.00			0.0	0.0
404	446	447	?	1029	-0.00			0.0	0.0
405	447	448	?	1029	-0.00			0.0	0.0
406	448	449	?	1029	-0.00			0.0	0.0
407	116	449	?	1029	-180.00			0.0	0.0
408	107	450	?	1029	-180.00			0.0	0.0
409	450	451	?	1029	-180.00			0.0	0.0
410	451	452	?	1029	-180.00			0.0	0.0
411	452	453	?	1029	-180.00			0.0	0.0
412	453	454	?	1029	-180.00			0.0	0.0
413	454	455	?	1029	-180.00			0.0	0.0
414	121	455	?	1029	0.00			0.0	0.0
415	116	456	?	1029	0.00			0.0	0.0
416	456	457	?	1029	0.00			0.0	0.0
417	457	458	?	1029	0.00			0.0	0.0
418	458	459	?	1029	0.00			0.0	0.0
419	459	460	?	1029	0.00			0.0	0.0
420	460	461	?	1029	0.00			0.0	0.0
421	121	461	?	1029	-180.00			0.0	43500.0
422	116	462	?	1029	-90.00			0.0	43500.0
423	462	463	?	1029	-90.00			0.0	43500.0
424	463	464	?	1029	-90.00			0.0	43500.0
425	464	465	?	1029	-90.00			0.0	43500.0
426	465	466	?	1029	-90.00			0.0	43500.0
427	466	467	?	1029	-90.00			0.0	43500.0
428	212	467	?	1029	90.00			0.0	43500.0
429	117	468	?	1150	180.00			36700.0	0.0
430	333	468	?	1150	-0.00			36700.0	0.0

Data - Platen

pl.	knb...kne	naam	dikte mm	oppervl. m²	wap. richting °	enkel werkend	beddingsconstante kN/m³
1	103-131-142-218-137-135	pl 4	390	31.45	0.00		0.0
2	137-218-139-132-104-135	pl 94	390	54.76	0.00		0.0
3	139-218-217-140-134-132	pl 3	390	53.28	0.00		0.0
4	131-133-141-217-218-142	pl 94	390	30.60	0.00		0.0
5	129-194-136-217-141-133	pl 5	390	15.30	0.00		0.0
6	136-192-190-130-134-140-217	pl 6	390	26.64	0.00		0.0
7	39-356-357-358-359-225-144-1	pl 35	280	40.26	0.00		0.0
8	225-360-197-84-15-144	pl 36	280	13.32	0.00		0.0
9	84-197-361-362-226-83-13-15	pl 37	280	26.64	0.00		0.0
10	83-226-368-367-366-365-364-363-40-2-13	pl 38	280	54.76	0.00		0.0
11	41-200-225-359-358-357-356-39	pl 39	280	39.17	0.00		0.0
12	363-364-365-366-367-368-226-374-373-372-371-370-369-223-195-42-40	pl 40	280	53.28	0.00		0.0
13	200-16-379-332-378-377-376-375-197-360-225	pl 41	280	12.96	0.00		0.0
14	195-223-224-196-50-42	pl 43	280	53.28	0.00		0.0
15	380-45-44-52-49-224-223	pl 44	280	18.36	0.00		0.0
16	16-200-210-92-48-51-43-46	pl 46	280	14.40	0.00		0.0
17	47-210-200-41	pl 47	280	39.17	0.00		0.0
18	51-52-44-43	pl 48	280	1.91	0.00		0.0
19	48-54-53-49-52-51	pl 49	0	4.08	0.00		0.0
20	210-209-91-56-58-54-48-92	pl 50	280	14.40	0.00		0.0
21	47-55-209-210	pl 51	280	39.17	0.00		0.0
22	53-59-57-203-224-49	pl 52	280	18.36	0.00		0.0
23	196-224-203-75-12-50	pl 53	280	53.28	0.00		0.0
24	54-58-59-53	pl 54	280	2.04	0.00		0.0
25	56-61-60-57-59-58	pl 55	0	4.08	0.00		0.0
26	91-209-147-222-188-65-62-61-56	pl 56	280	14.40	0.00		0.0
27	60-63-186-203-57	pl 57	280	11.86	0.00		0.0
28	146-147-209-55	pl 59	280	19.59	0.00		0.0
29	186-202-67-394-395-396-397-398-399-75-203	pl 58	280	51.84	0.00		0.0
30	62-63-60-61	pl 60	280	1.91	0.00		0.0
31	66-222-147-146	pl 61	280	19.59	0.00		0.0
32	64-382-202-186-63	pl 63	280	6.50	0.00		0.0
33	33-221-222-66	pl 65	280	39.17	0.00		0.0
34	221-187-387-331-386-385-384-383-188-222	pl 66	280	12.96	0.00		0.0
35	202-393-392-391-390-389-388-201-34-400-401-402-403-404-405-67	pl 67	280	51.84	0.00		0.0
36	201-204-76-411-410-409-408-407-406-34	pl 68	280	51.84	0.00		0.0
37	37-30-70-204-201-381-38	pl 70	280	18.36	0.00		0.0
38	187-221-208-90-69-29-35-36	pl 71	280	14.40	0.00		0.0
39	33-68-208-221	pl 72	280	39.17	0.00		0.0
40	29-30-37-35	pl 73	280	1.91	0.00		0.0
41	69-32-31-70-30-29	pl 74	0	4.08	0.00		0.0
42	204-205-81-74-11-76	pl 75	280	53.28	0.00		0.0
43	71-207-208-68	pl 76	280	39.17	0.00		0.0

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Data - Platen

pl.	knb...kne	naam	dikte mm	oppervl. m²	wap. richting °	enkel werkend	beddingsconstante kN/m³
44	207-89-72-28-32-69-90-208	pl 77	280	14.40	0.00		0.0
45	70-31-27-73-205-204	pl 78	280	18.36	0.00		0.0
46	32-28-27-31	pl 79	280	2.04	0.00		0.0
47	28-72-25-26-73-27	pl 80	0	4.08	0.00		0.0
48	207-149-206-88-24-21-25-72-89	pl 81	280	14.40	0.00		0.0
49	71-148-149-207	pl 82	280	19.59	0.00		0.0
50	26-22-164-205-73	pl 83	280	12.24	0.00		0.0
51	205-164-211-93-4-74-81	pl 84	280	53.28	0.00		0.0
52	21-22-26-25	pl 85	280	2.04	0.00		0.0
53	3-206-149-148	pl 86	280	19.59	0.00		0.0
54	22-23-211-164	pl 87	280	6.12	0.00		0.0
55	24-23-22-21	pl 88	0	2.04	0.00		0.0
56	24-20-19-23	pl 89	280	1.61	0.00		0.0
57	19-219-211-23	pl 90	280	4.84	0.00		0.0
58	88-206-5-145-150-412-155-156-154-153-152-151-156-155-413-7-414-415-416-417-418-419-87-17-20-24	pl 91	280	33.77	0.00		0.0
59	211-219-157-161-163-158-426-93	pl 92	280	13.68	0.00		0.0
60	6-150-145-5	pl 93	280	7.24	0.00		0.0
61	219-199-159-157	pl 97	280	0.77	0.00		0.0
62	159-9-423-424-160-161-157	pl 96	280	8.98	0.00		0.0
63	160-162-163-161	pl 95	280	5.13	0.00		0.0
64	162-10-425-158-163	pl 94	280	3.58	0.00		0.0
65	19-18-199-219	pl 98	280	3.03	0.00		0.0
66	20-17-18-19	pl 99	0	1.01	0.00		0.0
67	199-14-8-422-9-159	pl 100	280	2.70	0.00		0.0
68	18-17-87-421-420-14-199	pl 101	280	14.14	0.00		0.0
69	154-156-151-152-153	pl 102	280	3.28	0.00		0.0
70	191-102-216-128-115-109-189	pl 10	280	26.64	0.00		0.0
71	114-127-216-102-193-112	pl 11	280	13.68	0.00		0.0
72	216-215-108-110-115-128	pl 12	280	53.28	0.00		0.0
73	127-114-111-126-215-216	pl 13	280	27.36	0.00		0.0
74	111-113-212-215-126	pl 15	280	27.36	0.00		0.0
75	215-212-467-466-465-464-463-462-116-449-448-447-446-445-444-108	pl 14	280	51.84	0.00		0.0
76	113-333-468-117-120-125-214-212	pl 16	280	27.36	0.00		0.0
77	214-121-461-460-459-458-457-456-116-462-463-464-465-466-467-212	pl 17	280	51.84	0.00		0.0
78	214-198-107-450-451-452-453-454-455-121	pl 18	280	51.84	0.00		0.0
79	118-106-198-214-125-120	pl 19	280	27.34	0.00		0.0
80	99-122-213-106-118-98	pl 20	280	54.74	0.00		0.0
81	107-198-227-123-100-105	pl 21	280	53.28	0.00		0.0
82	213-227-198-106	pl 22	280	25.92	0.00		0.0
83	227-220-95-96-100-123	pl 23	280	53.28	0.00		0.0
84	122-99-97-94-176-179-178-213	pl 24	280	44.85	0.00		0.0
85	178-177-220-227-213	pl 25	280	25.92	0.00		0.0
86	179-176-177-178	pl 26	280	8.43	0.00		0.0

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Data - Platen

pl.	knb...kne	naam	dikte mm	oppervl. m²	wap. richting °	enkel werkend	beddingsconstante kN/m³
87	220-101-78-438-79-180-183-184-181-443-95	pl 27	280	16.67	0.00		0.0
88	428-167-168-169-166-427-175-174-173-170-171-172-174-175-429-77-430-431-432-433-434-435-119-177-176-94	pl 28	280	44.12	0.00		0.0
89	119-437-436-101-220-177	pl 29	280	26.10	0.00		0.0
90	180-79-439-440-182-183	pl 30	280	9.23	0.00		0.0
91	182-185-184-183	pl 31	280	5.27	0.00		0.0
92	185-80-441-442-181-184	pl 32	280	3.68	0.00		0.0
93	167-166-169-168	pl 33	280	4.80	0.00		0.0
94	173-174-172-171-170	pl 34	280	3.28	0.00		0.0

Data - Materiaal BubbleDeck

type : beton
karakteristieken :
elasticiteitsmodulus = 10000 N/mm²
coëfficiënt v. Poisson = 0.20
soortelijke massa = 17.0 kN/m³
therm. uitzettingscoëff. = 0.000010 /°C

Data - Materiaal BubbleDeck 280 nieuw

type : beton
karakteristieken :
elasticiteitsmodulus = 10000 N/mm²
coëfficiënt v. Poisson = 0.20
soortelijke massa = 17.5 kN/m³
therm. uitzettingscoëff. = 0.000010 /°C

Data - Materiaal Beton B35

type : beton
karakteristieken :
elasticiteitsmodulus = 11000 N/mm²
coëfficiënt v. Poisson = 0.20
soortelijke massa = 24.0 kN/m³
therm. uitzettingscoëff. = 0.000010 /°C

Data - Samenstelling Lastencombinaties

Samenstelling UGT 1 :

1	eigengewicht	1.35
2	Permanent	1.35
3	Veranderlijk 1	0.00
4	Veranderlijk 2	0.00
5	Veranderlijk 3	0.00
6	Veranderlijk 4	0.00
7	Veranderlijk 5	0.00
8	Veranderlijk 6	0.00
9	Veranderlijk 7	0.00
10	Veranderlijk 8	0.00
11	Veranderlijk 9	0.00
12	Veranderlijk 10	0.00
13	Veranderlijk 11	0.00
14	Veranderlijk 12	0.00
15	Veranderlijk 13	0.00
16	Veranderlijk 14	0.00

Samenstelling UGT 2 :

1	eigengewicht	1.20
2	Permanent	1.20
3	Veranderlijk 1	1.50
4	Veranderlijk 2	0.00
5	Veranderlijk 3	0.00
6	Veranderlijk 4	0.00
7	Veranderlijk 5	0.00

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8	Veranderlijk 6	0.00
9	Veranderlijk 7	0.00
10	Veranderlijk 8	0.00
11	Veranderlijk 9	0.00
12	Veranderlijk 10	0.00
13	Veranderlijk 11	0.00
14	Veranderlijk 12	0.00
15	Veranderlijk 13	0.00
16	Veranderlijk 14	0.00

Samenstelling UGT 3 :

1	eigengewicht	1.20
2	Permanent	1.20
3	Veranderlijk 1	0.00
4	Veranderlijk 2	1.50
5	Veranderlijk 3	0.00
6	Veranderlijk 4	0.00
7	Veranderlijk 5	0.00
8	Veranderlijk 6	0.00
9	Veranderlijk 7	0.00
10	Veranderlijk 8	0.00
11	Veranderlijk 9	0.00
12	Veranderlijk 10	0.00
13	Veranderlijk 11	0.00
14	Veranderlijk 12	0.00
15	Veranderlijk 13	0.00
16	Veranderlijk 14	0.00

Samenstelling UGT 4 :

1	eigengewicht	1.20
2	Permanent	1.20
3	Veranderlijk 1	0.00
4	Veranderlijk 2	0.00
5	Veranderlijk 3	1.50
6	Veranderlijk 4	0.00
7	Veranderlijk 5	0.00
8	Veranderlijk 6	0.00
9	Veranderlijk 7	0.00
10	Veranderlijk 8	0.00
11	Veranderlijk 9	0.00
12	Veranderlijk 10	0.00
13	Veranderlijk 11	0.00
14	Veranderlijk 12	0.00
15	Veranderlijk 13	0.00
16	Veranderlijk 14	0.00

Samenstelling UGT 5 :

1	eigengewicht	1.20
2	Permanent	1.20
3	Veranderlijk 1	0.00
4	Veranderlijk 2	0.00
5	Veranderlijk 3	0.00
6	Veranderlijk 4	1.50
7	Veranderlijk 5	0.00
8	Veranderlijk 6	0.00
9	Veranderlijk 7	0.00
10	Veranderlijk 8	0.00
11	Veranderlijk 9	0.00
12	Veranderlijk 10	0.00
13	Veranderlijk 11	0.00
14	Veranderlijk 12	0.00
15	Veranderlijk 13	0.00
16	Veranderlijk 14	0.00

Samenstelling UGT 6 :

1	eigengewicht	1.20
2	Permanent	1.20
3	Veranderlijk 1	0.00
4	Veranderlijk 2	0.00
5	Veranderlijk 3	0.00
6	Veranderlijk 4	0.00
7	Veranderlijk 5	1.50
8	Veranderlijk 6	0.00
9	Veranderlijk 7	0.00

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10	Veranderlijk 8	0.00
11	Veranderlijk 9	0.00
12	Veranderlijk 10	0.00
13	Veranderlijk 11	0.00
14	Veranderlijk 12	0.00
15	Veranderlijk 13	0.00
16	Veranderlijk 14	0.00

Samenstelling UGT 7 :

1	eigengewicht	1.20
2	Permanent	1.20
3	Veranderlijk 1	0.00
4	Veranderlijk 2	0.00
5	Veranderlijk 3	0.00
6	Veranderlijk 4	0.00
7	Veranderlijk 5	0.00
8	Veranderlijk 6	1.50
9	Veranderlijk 7	0.00
10	Veranderlijk 8	0.00
11	Veranderlijk 9	0.00
12	Veranderlijk 10	0.00
13	Veranderlijk 11	0.00
14	Veranderlijk 12	0.00
15	Veranderlijk 13	0.00
16	Veranderlijk 14	0.00

Samenstelling UGT 8 :

1	eigengewicht	1.20
2	Permanent	1.20
3	Veranderlijk 1	0.00
4	Veranderlijk 2	0.00
5	Veranderlijk 3	0.00
6	Veranderlijk 4	0.00
7	Veranderlijk 5	0.00
8	Veranderlijk 6	0.00
9	Veranderlijk 7	1.50
10	Veranderlijk 8	0.00
11	Veranderlijk 9	0.00
12	Veranderlijk 10	0.00
13	Veranderlijk 11	0.00
14	Veranderlijk 12	0.00
15	Veranderlijk 13	0.00
16	Veranderlijk 14	0.00

Samenstelling UGT 9 :

1	eigengewicht	1.20
2	Permanent	1.20
3	Veranderlijk 1	0.00
4	Veranderlijk 2	0.00
5	Veranderlijk 3	0.00
6	Veranderlijk 4	0.00
7	Veranderlijk 5	0.00
8	Veranderlijk 6	0.00
9	Veranderlijk 7	0.00
10	Veranderlijk 8	1.50
11	Veranderlijk 9	0.00
12	Veranderlijk 10	0.00
13	Veranderlijk 11	0.00
14	Veranderlijk 12	0.00
15	Veranderlijk 13	0.00
16	Veranderlijk 14	0.00

Samenstelling UGT 10 :

1	eigengewicht	1.20
2	Permanent	1.20
3	Veranderlijk 1	0.00
4	Veranderlijk 2	0.00
5	Veranderlijk 3	0.00
6	Veranderlijk 4	0.00
7	Veranderlijk 5	0.00
8	Veranderlijk 6	0.00
9	Veranderlijk 7	0.00
10	Veranderlijk 8	0.00
11	Veranderlijk 9	1.50

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12 Veranderlijk 10	0.00
13 Veranderlijk 11	0.00
14 Veranderlijk 12	0.00
15 Veranderlijk 13	0.00
16 Veranderlijk 14	0.00

Samenstelling UGT 11 :

1 eigengewicht	1.20
2 Permanent	1.20
3 Veranderlijk 1	0.00
4 Veranderlijk 2	0.00
5 Veranderlijk 3	0.00
6 Veranderlijk 4	0.00
7 Veranderlijk 5	0.00
8 Veranderlijk 6	0.00
9 Veranderlijk 7	0.00
10 Veranderlijk 8	0.00
11 Veranderlijk 9	0.00
12 Veranderlijk 10	1.50
13 Veranderlijk 11	0.00
14 Veranderlijk 12	0.00
15 Veranderlijk 13	0.00
16 Veranderlijk 14	0.00

Samenstelling UGT 12 :

1 eigengewicht	1.20
2 Permanent	1.20
3 Veranderlijk 1	0.00
4 Veranderlijk 2	0.00
5 Veranderlijk 3	0.00
6 Veranderlijk 4	0.00
7 Veranderlijk 5	0.00
8 Veranderlijk 6	0.00
9 Veranderlijk 7	0.00
10 Veranderlijk 8	0.00
11 Veranderlijk 9	0.00
12 Veranderlijk 10	0.00
13 Veranderlijk 11	1.50
14 Veranderlijk 12	0.00
15 Veranderlijk 13	0.00
16 Veranderlijk 14	0.00

Samenstelling UGT 13 :

1 eigengewicht	1.20
2 Permanent	1.20
3 Veranderlijk 1	0.00
4 Veranderlijk 2	0.00
5 Veranderlijk 3	0.00
6 Veranderlijk 4	0.00
7 Veranderlijk 5	0.00
8 Veranderlijk 6	0.00
9 Veranderlijk 7	0.00
10 Veranderlijk 8	0.00
11 Veranderlijk 9	0.00
12 Veranderlijk 10	0.00
13 Veranderlijk 11	0.00
14 Veranderlijk 12	1.50
15 Veranderlijk 13	0.00
16 Veranderlijk 14	0.00

Samenstelling UGT 14 :

1 eigengewicht	1.20
2 Permanent	1.20
3 Veranderlijk 1	0.00
4 Veranderlijk 2	0.00
5 Veranderlijk 3	0.00
6 Veranderlijk 4	0.00
7 Veranderlijk 5	0.00
8 Veranderlijk 6	0.00
9 Veranderlijk 7	0.00
10 Veranderlijk 8	0.00
11 Veranderlijk 9	0.00
12 Veranderlijk 10	0.00
13 Veranderlijk 11	0.00

14	Veranderlijk 12	0.00
15	Veranderlijk 13	1.50
16	Veranderlijk 14	0.00

Samenstelling UGT 15 :

1	eigengewicht	1.20
2	Permanent	1.20
3	Veranderlijk 1	0.00
4	Veranderlijk 2	0.00
5	Veranderlijk 3	0.00
6	Veranderlijk 4	0.00
7	Veranderlijk 5	0.00
8	Veranderlijk 6	0.00
9	Veranderlijk 7	0.00
10	Veranderlijk 8	0.00
11	Veranderlijk 9	0.00
12	Veranderlijk 10	0.00
13	Veranderlijk 11	0.00
14	Veranderlijk 12	0.00
15	Veranderlijk 13	0.00
16	Veranderlijk 14	1.50

Samenstelling BGT 1 :

1	eigengewicht	1.00
2	Permanent	1.00
3	Veranderlijk 1	1.00
4	Veranderlijk 2	0.00
5	Veranderlijk 3	0.00
6	Veranderlijk 4	0.00
7	Veranderlijk 5	0.00
8	Veranderlijk 6	0.00
9	Veranderlijk 7	0.00
10	Veranderlijk 8	0.00
11	Veranderlijk 9	0.00
12	Veranderlijk 10	0.00
13	Veranderlijk 11	0.00
14	Veranderlijk 12	0.00
15	Veranderlijk 13	0.00
16	Veranderlijk 14	0.00

Samenstelling BGT 2 :

1	eigengewicht	1.00
2	Permanent	1.00
3	Veranderlijk 1	0.00
4	Veranderlijk 2	1.00
5	Veranderlijk 3	0.00
6	Veranderlijk 4	0.00
7	Veranderlijk 5	0.00
8	Veranderlijk 6	0.00
9	Veranderlijk 7	0.00
10	Veranderlijk 8	0.00
11	Veranderlijk 9	0.00
12	Veranderlijk 10	0.00
13	Veranderlijk 11	0.00
14	Veranderlijk 12	0.00
15	Veranderlijk 13	0.00
16	Veranderlijk 14	0.00

Samenstelling BGT 3 :

1	eigengewicht	1.00
2	Permanent	1.00
3	Veranderlijk 1	0.00
4	Veranderlijk 2	0.00
5	Veranderlijk 3	1.00
6	Veranderlijk 4	0.00
7	Veranderlijk 5	0.00
8	Veranderlijk 6	0.00
9	Veranderlijk 7	0.00
10	Veranderlijk 8	0.00
11	Veranderlijk 9	0.00
12	Veranderlijk 10	0.00
13	Veranderlijk 11	0.00
14	Veranderlijk 12	0.00
15	Veranderlijk 13	0.00

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Image Engineering Scan Reference Chart TE263 Serial No. 395
Patch Reference numbers BY LITT

16 Veranderlijk 14	0.00

Samenstelling BGT 4 :

1 eigengewicht	1.00
2 Permanent	1.00
3 Veranderlijk 1	0.00
4 Veranderlijk 2	0.00
5 Veranderlijk 3	0.00
6 Veranderlijk 4	1.00
7 Veranderlijk 5	0.00
8 Veranderlijk 6	0.00
9 Veranderlijk 7	0.00
10 Veranderlijk 8	0.00
11 Veranderlijk 9	0.00
12 Veranderlijk 10	0.00
13 Veranderlijk 11	0.00
14 Veranderlijk 12	0.00
15 Veranderlijk 13	0.00
16 Veranderlijk 14	0.00

Samenstelling BGT 5 :

1 eigengewicht	1.00
2 Permanent	1.00
3 Veranderlijk 1	0.00
4 Veranderlijk 2	0.00
5 Veranderlijk 3	0.00
6 Veranderlijk 4	0.00
7 Veranderlijk 5	1.00
8 Veranderlijk 6	0.00
9 Veranderlijk 7	0.00
10 Veranderlijk 8	0.00
11 Veranderlijk 9	0.00
12 Veranderlijk 10	0.00
13 Veranderlijk 11	0.00
14 Veranderlijk 12	0.00
15 Veranderlijk 13	0.00
16 Veranderlijk 14	0.00

Samenstelling BGT 6 :

1 eigengewicht	1.00
2 Permanent	1.00
3 Veranderlijk 1	0.00
4 Veranderlijk 2	0.00
5 Veranderlijk 3	0.00
6 Veranderlijk 4	0.00
7 Veranderlijk 5	0.00
8 Veranderlijk 6	1.00
9 Veranderlijk 7	0.00
10 Veranderlijk 8	0.00
11 Veranderlijk 9	0.00
12 Veranderlijk 10	0.00
13 Veranderlijk 11	0.00
14 Veranderlijk 12	0.00
15 Veranderlijk 13	0.00
16 Veranderlijk 14	0.00

Samenstelling BGT 7 :

1 eigengewicht	1.00
2 Permanent	1.00
3 Veranderlijk 1	0.00
4 Veranderlijk 2	0.00
5 Veranderlijk 3	0.00
6 Veranderlijk 4	0.00
7 Veranderlijk 5	0.00
8 Veranderlijk 6	0.00
9 Veranderlijk 7	1.00
10 Veranderlijk 8	0.00
11 Veranderlijk 9	0.00
12 Veranderlijk 10	0.00
13 Veranderlijk 11	0.00
14 Veranderlijk 12	0.00
15 Veranderlijk 13	0.00
16 Veranderlijk 14	0.00

the scale towards document
Serial No. 395

Samenstelling BGT 8 :

1	eigengewicht	1.00
2	Permanent	1.00
3	Veranderlijk 1	0.00
4	Veranderlijk 2	0.00
5	Veranderlijk 3	0.00
6	Veranderlijk 4	0.00
7	Veranderlijk 5	0.00
8	Veranderlijk 6	0.00
9	Veranderlijk 7	0.00
10	Veranderlijk 8	1.00
11	Veranderlijk 9	0.00
12	Veranderlijk 10	0.00
13	Veranderlijk 11	0.00
14	Veranderlijk 12	0.00
15	Veranderlijk 13	0.00
16	Veranderlijk 14	0.00

Samenstelling BGT 9 :

1	eigengewicht	1.00
2	Permanent	1.00
3	Veranderlijk 1	0.00
4	Veranderlijk 2	0.00
5	Veranderlijk 3	0.00
6	Veranderlijk 4	0.00
7	Veranderlijk 5	0.00
8	Veranderlijk 6	0.00
9	Veranderlijk 7	0.00
10	Veranderlijk 8	0.00
11	Veranderlijk 9	1.00
12	Veranderlijk 10	0.00
13	Veranderlijk 11	0.00
14	Veranderlijk 12	0.00
15	Veranderlijk 13	0.00
16	Veranderlijk 14	0.00

Samenstelling BGT 10 :

1	eigengewicht	1.00
2	Permanent	1.00
3	Veranderlijk 1	0.00
4	Veranderlijk 2	0.00
5	Veranderlijk 3	0.00
6	Veranderlijk 4	0.00
7	Veranderlijk 5	0.00
8	Veranderlijk 6	0.00
9	Veranderlijk 7	0.00
10	Veranderlijk 8	0.00
11	Veranderlijk 9	0.00
12	Veranderlijk 10	1.00
13	Veranderlijk 11	0.00
14	Veranderlijk 12	0.00
15	Veranderlijk 13	0.00
16	Veranderlijk 14	0.00

Samenstelling BGT 11 :

1	eigengewicht	1.00
2	Permanent	1.00
3	Veranderlijk 1	0.00
4	Veranderlijk 2	0.00
5	Veranderlijk 3	0.00
6	Veranderlijk 4	0.00
7	Veranderlijk 5	0.00
8	Veranderlijk 6	0.00
9	Veranderlijk 7	0.00
10	Veranderlijk 8	0.00
11	Veranderlijk 9	0.00
12	Veranderlijk 10	0.00
13	Veranderlijk 11	1.00
14	Veranderlijk 12	0.00
15	Veranderlijk 13	0.00
16	Veranderlijk 14	0.00

Samenstelling BGT 12 :

1	eigengewicht	1.00
2	Permanent	1.00
3	Veranderlijk 1	0.00

Data - Samenstelling Lastencombinaties

4 Veranderlijk 2	0.00
5 Veranderlijk 3	0.00
6 Veranderlijk 4	0.00
7 Veranderlijk 5	0.00
8 Veranderlijk 6	0.00
9 Veranderlijk 7	0.00
10 Veranderlijk 8	0.00
11 Veranderlijk 9	0.00
12 Veranderlijk 10	0.00
13 Veranderlijk 11	0.00
14 Veranderlijk 12	1.00
15 Veranderlijk 13	0.00
16 Veranderlijk 14	0.00

Samenstelling BGT 13 :

1 eigengewicht	1.00
2 Permanent	1.00
3 Veranderlijk 1	0.00
4 Veranderlijk 2	0.00
5 Veranderlijk 3	0.00
6 Veranderlijk 4	0.00
7 Veranderlijk 5	0.00
8 Veranderlijk 6	0.00
9 Veranderlijk 7	0.00
10 Veranderlijk 8	0.00
11 Veranderlijk 9	0.00
12 Veranderlijk 10	0.00
13 Veranderlijk 11	0.00
14 Veranderlijk 12	0.00
15 Veranderlijk 13	1.00
16 Veranderlijk 14	0.00

Samenstelling BGT 14 :

1 eigengewicht	1.00
2 Permanent	1.00
3 Veranderlijk 1	0.00
4 Veranderlijk 2	0.00
5 Veranderlijk 3	0.00
6 Veranderlijk 4	0.00
7 Veranderlijk 5	0.00
8 Veranderlijk 6	0.00
9 Veranderlijk 7	0.00
10 Veranderlijk 8	0.00
11 Veranderlijk 9	0.00
12 Veranderlijk 10	0.00
13 Veranderlijk 11	0.00
14 Veranderlijk 12	0.00
15 Veranderlijk 13	0.00
16 Veranderlijk 14	1.00

Samenstelling MC :

1 eigengewicht	1.00
2 Permanent	1.00
3 Veranderlijk 1	0.30
4 Veranderlijk 2	0.00
5 Veranderlijk 3	0.00
6 Veranderlijk 4	0.00
7 Veranderlijk 5	0.00
8 Veranderlijk 6	0.00
9 Veranderlijk 7	0.00
10 Veranderlijk 8	0.00
11 Veranderlijk 9	0.00
12 Veranderlijk 10	0.00
13 Veranderlijk 11	0.00
14 Veranderlijk 12	0.00
15 Veranderlijk 13	0.00
16 Veranderlijk 14	0.00

Data - Parameters gewapend beton

Toegepaste betonnorm: NEN 6720
Materiaalkarakteristieken:
Beton:
karakteristieke kubusdruksterkte f'ck : = 35.0 N/mm²
veiligheidscoëfficiënt beton = 1.50
elasticiteitsmodulus = 31000 N/mm²
kruipcoëfficiënt $\phi(t, t_0)$ = 1.32
max. toegelaten betonspanning onder zeldz. aanw. comb. na kruip = 21.0 N/mm²

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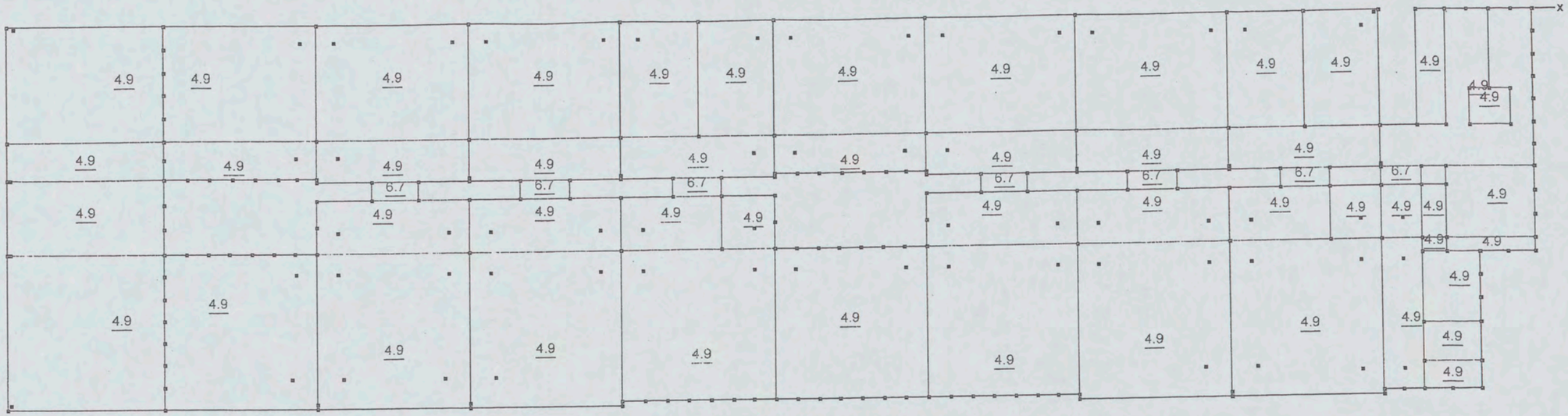
Data - Parameters gewapend beton

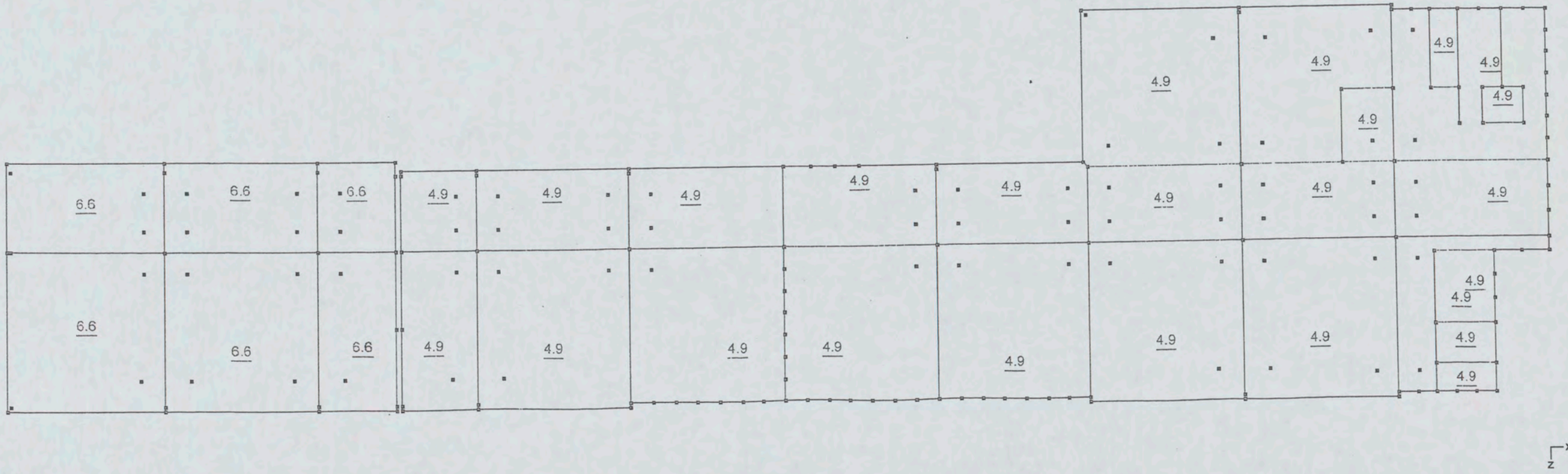
max. toegelaten betonspanning onder quasi-perm. comb. na kruip = 15.8 N/mm²
dwarskrachtbijdrage beton voor 100.00 % in rekening gebracht
Treksterkte voor bepaling scheurwijdte en doorbuiging = 2.2 N/mm²

Wapeningsstaal:
Platen
langswapening: fsrep = 500.0 N/mm²
veiligheidscoëfficiënt staal = 1.15
bruto dekking bovenwapening: x': 49 mm z' = 65 mm
onderwapening: x': 35 mm z' = 45 mm
min. wapeningspercentage = 0.15 %
max. totaal wapeningspercentage = 8.00 %
Staalspanning (onder I.C.) beperken tot 0.80 x fsrep

B27

Lasten - eigengewicht (kN, kNm, kN/m, kN/m²)

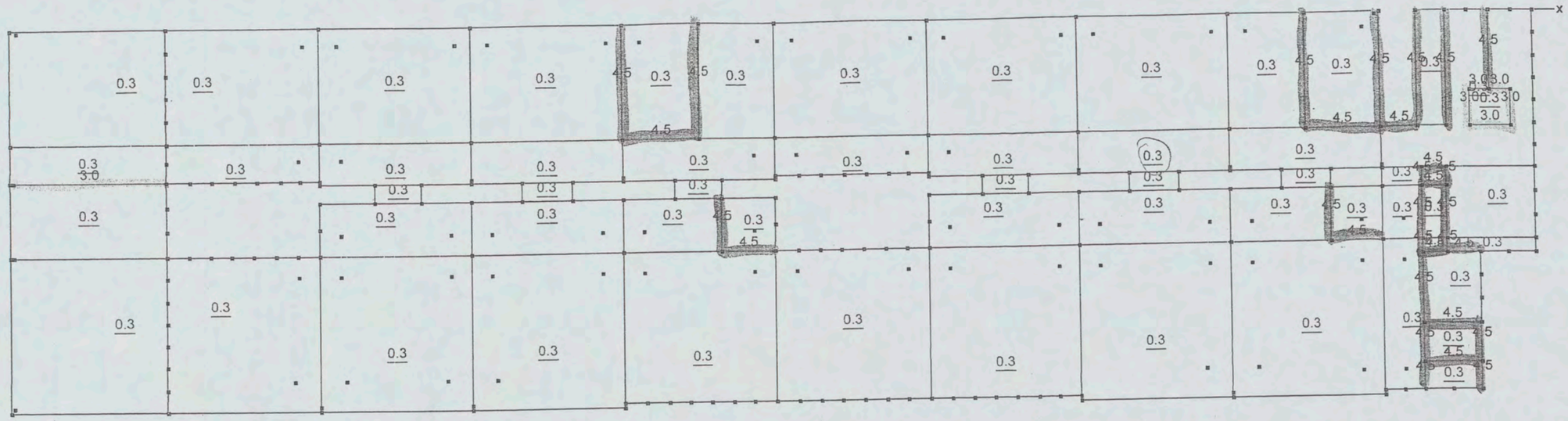




395

B28

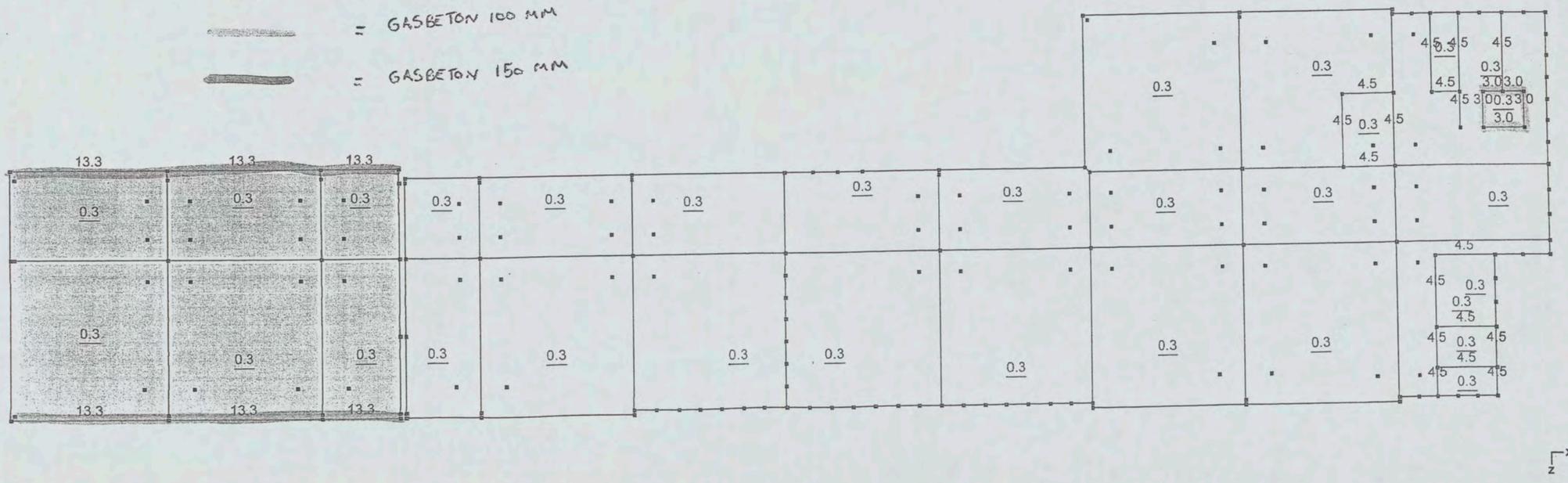
Lasten - Permanent (kN, kNm, kN/m, kN/m²)



= K25 150 MM

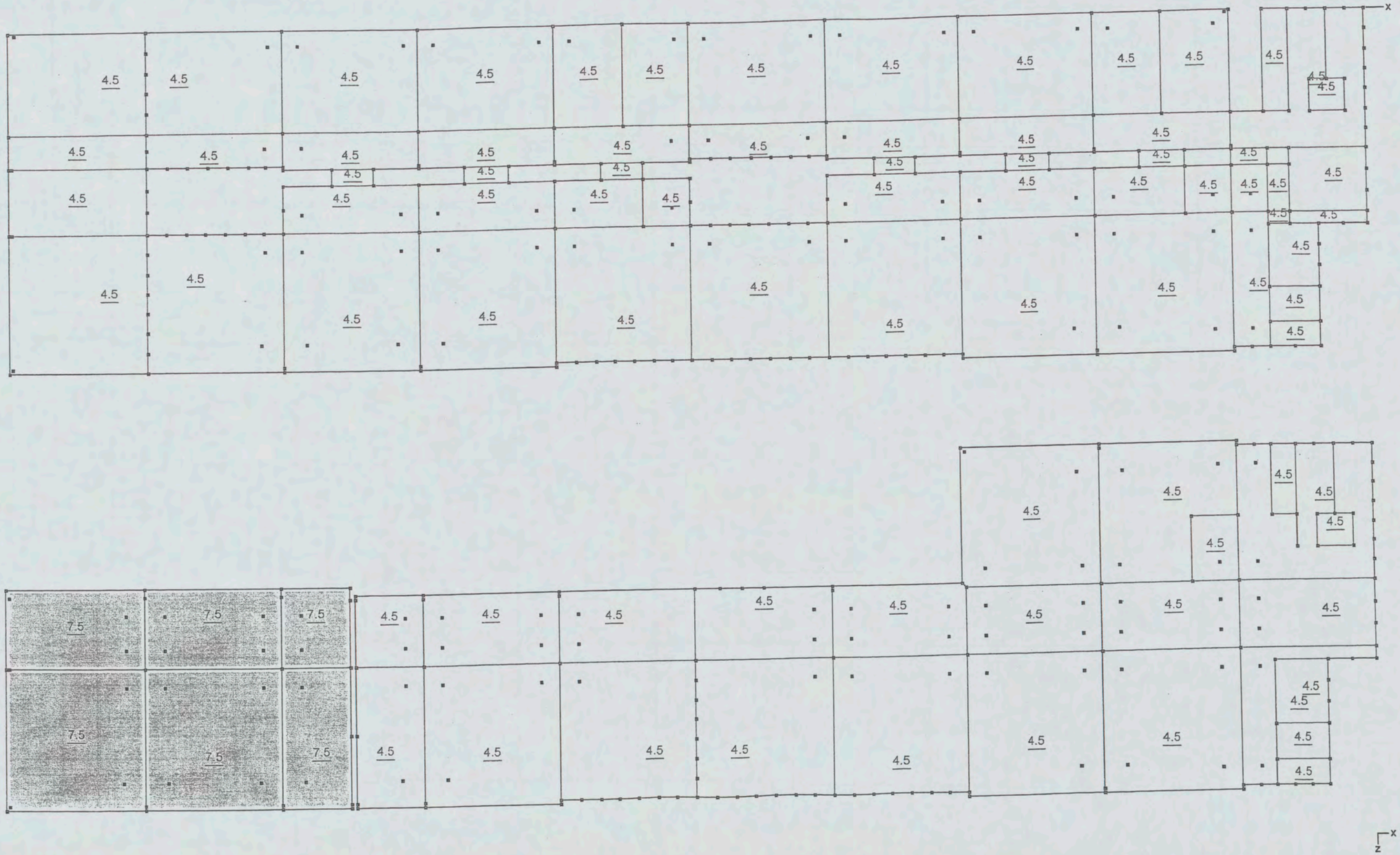
= GASBETON 100 MM

= GASBETON 150 MM



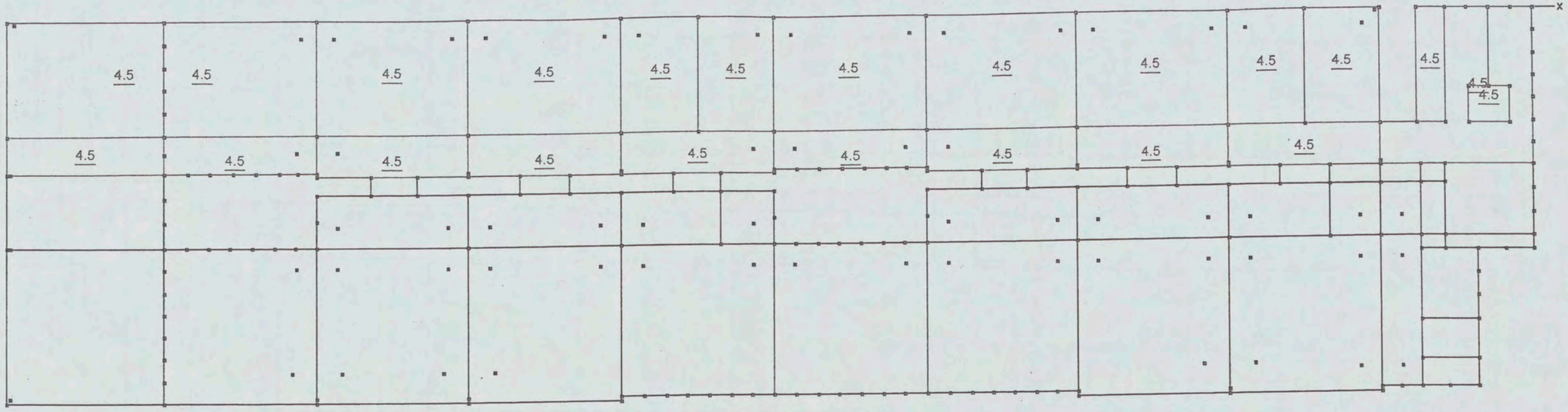
B29

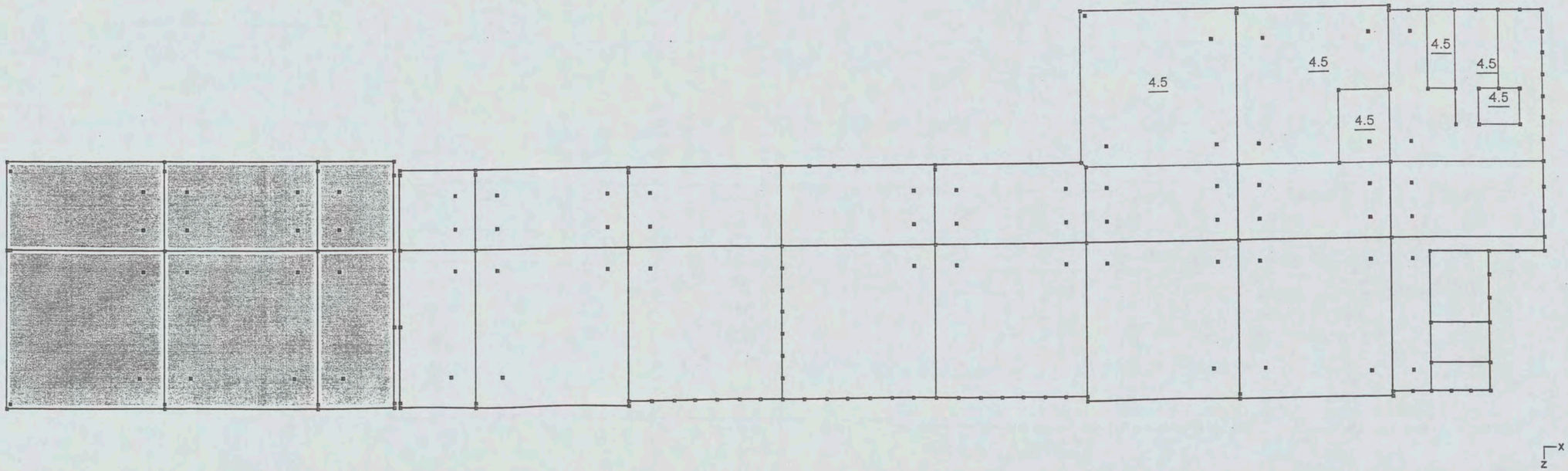
Lasten - Veranderlijk 1 (kN, kNm, kN/m, kN/m²)



B30

Lasten - Veranderlijk 2 (kN, kNm, kN/m, kN/m²)





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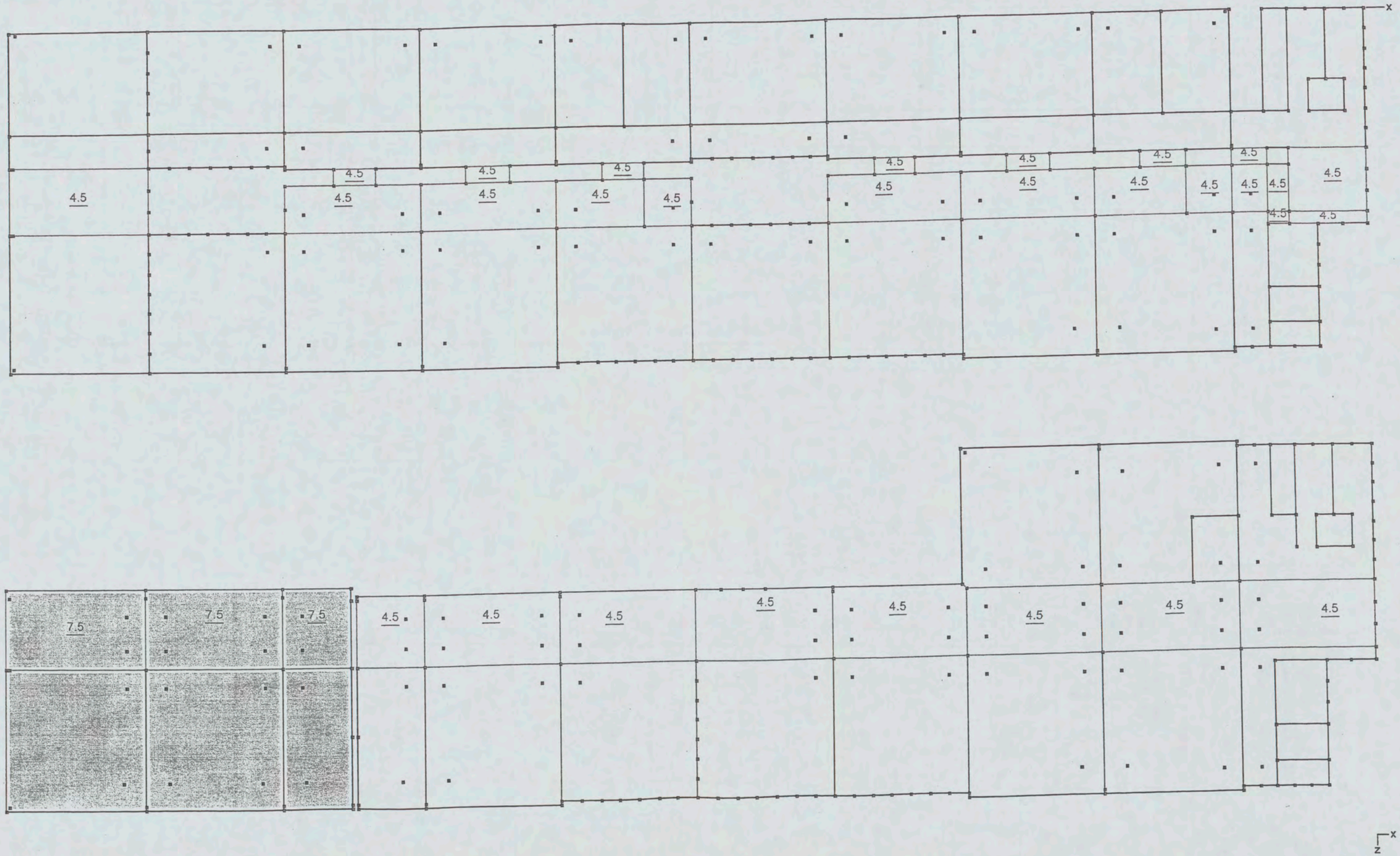
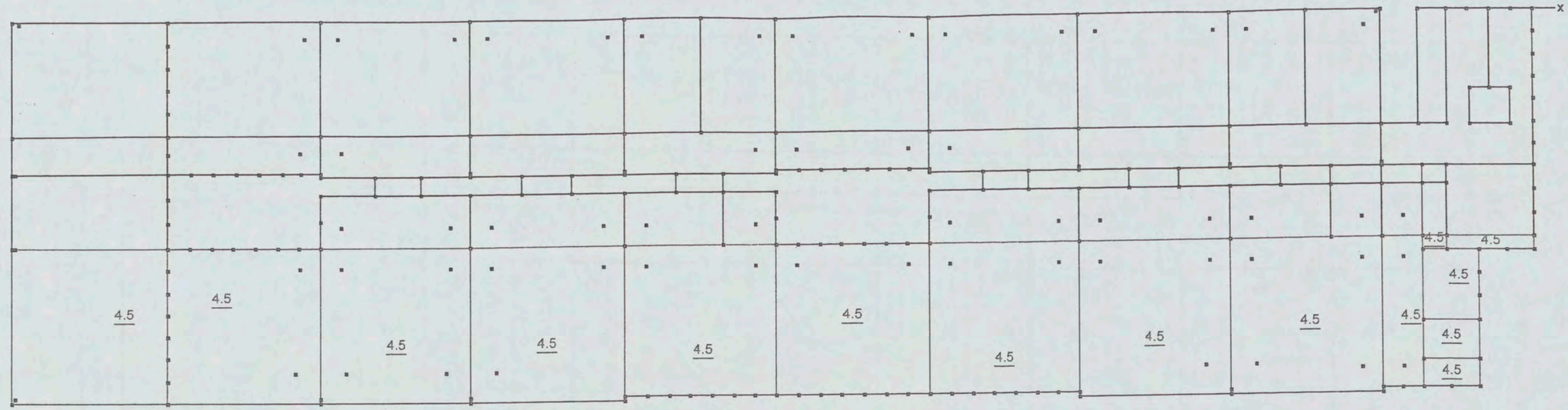
B31

Lasten - Veranderlijk 3 (kN, kNm, kN/m, kN/m²)



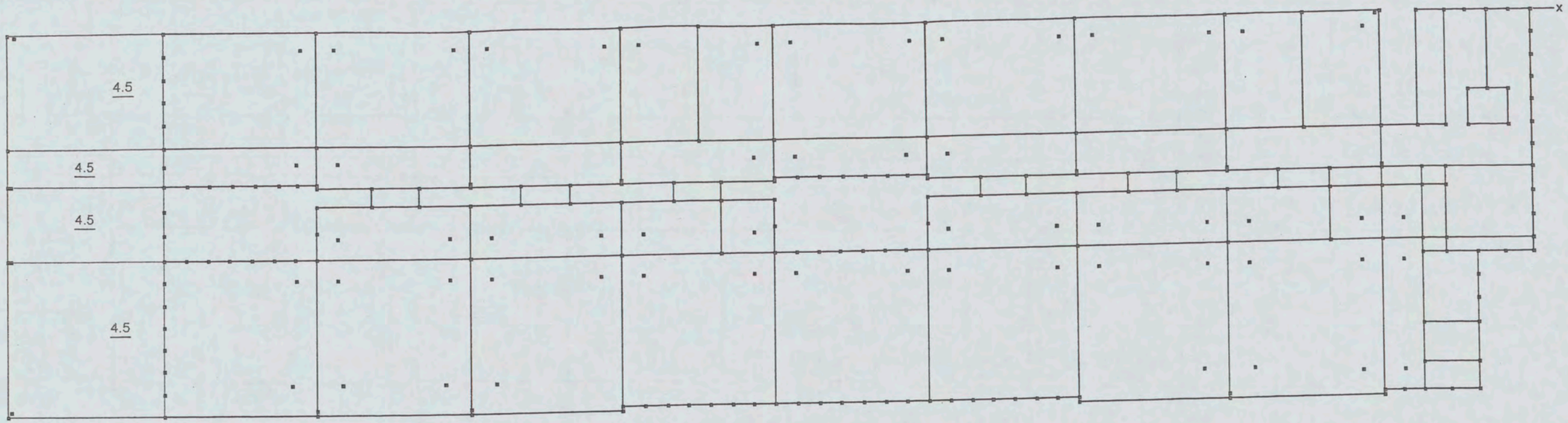
B32

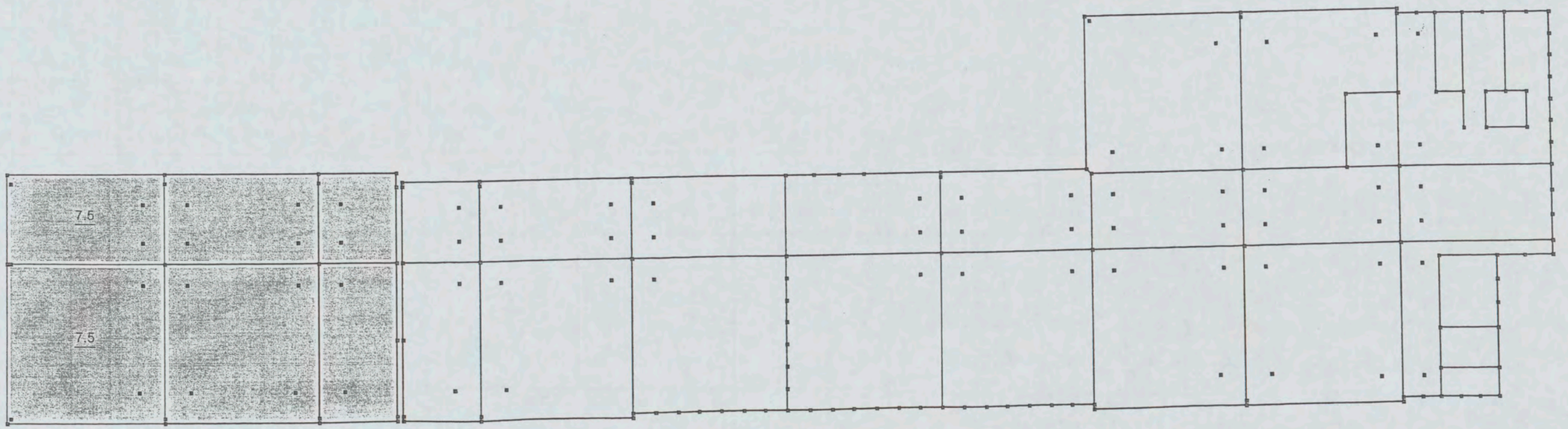
Lasten - Veranderlijk 4 (kN, kNm, kN/m, kN/m²)


x
4.5
4.5
4.5

B33

Lasten - Veranderlijk 5 (kN, kNm, kN/m, kN/m²)

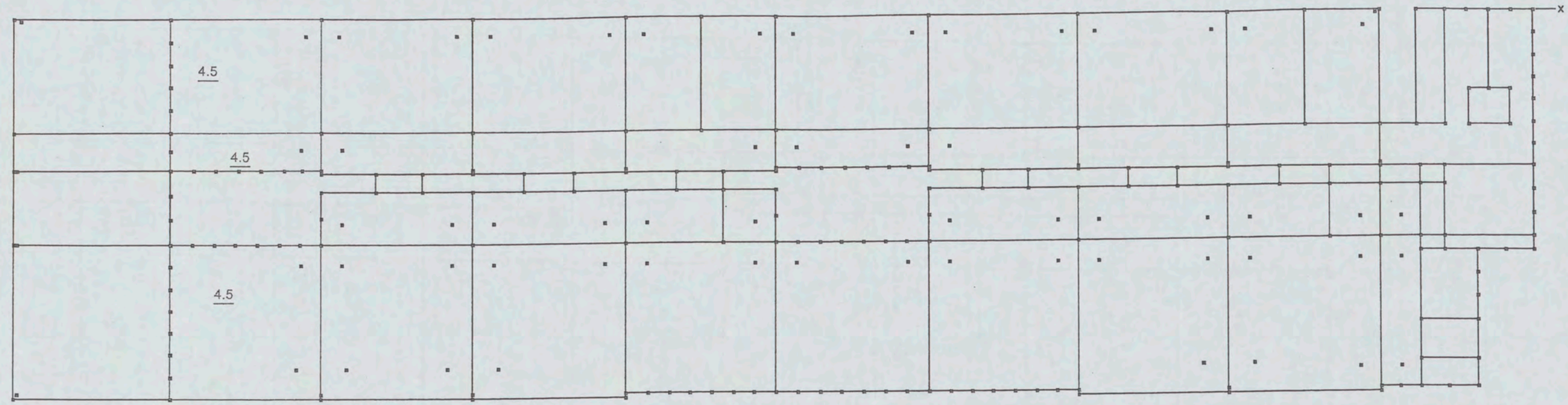


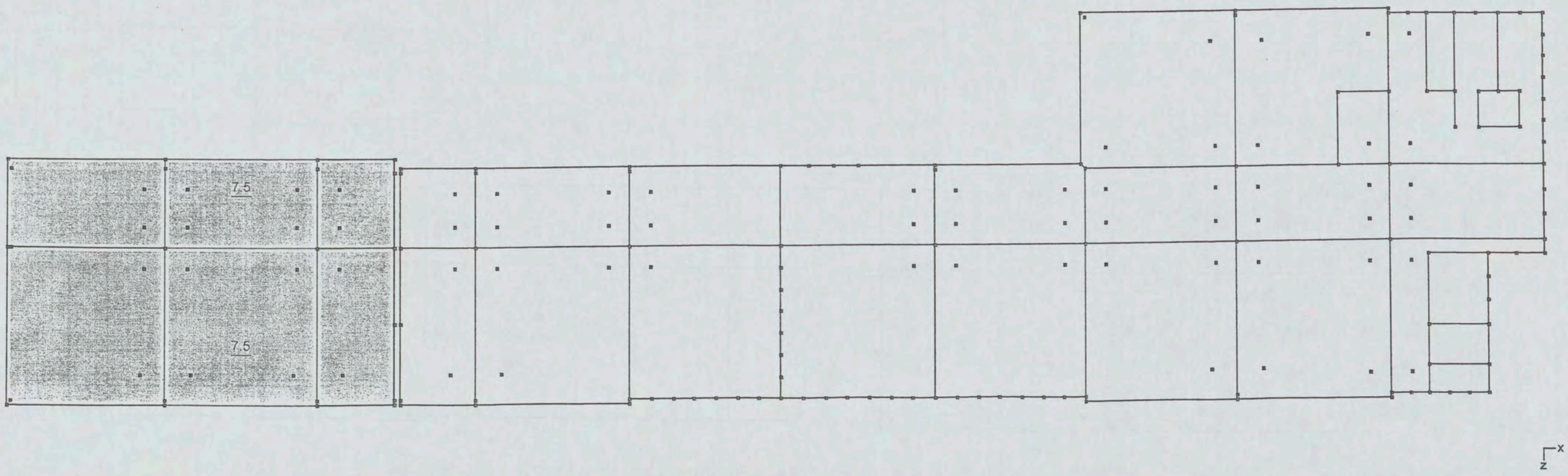


395

B34

Lasten - Veranderlijk 6 (kN, kNm, kN/m, kN/m²)

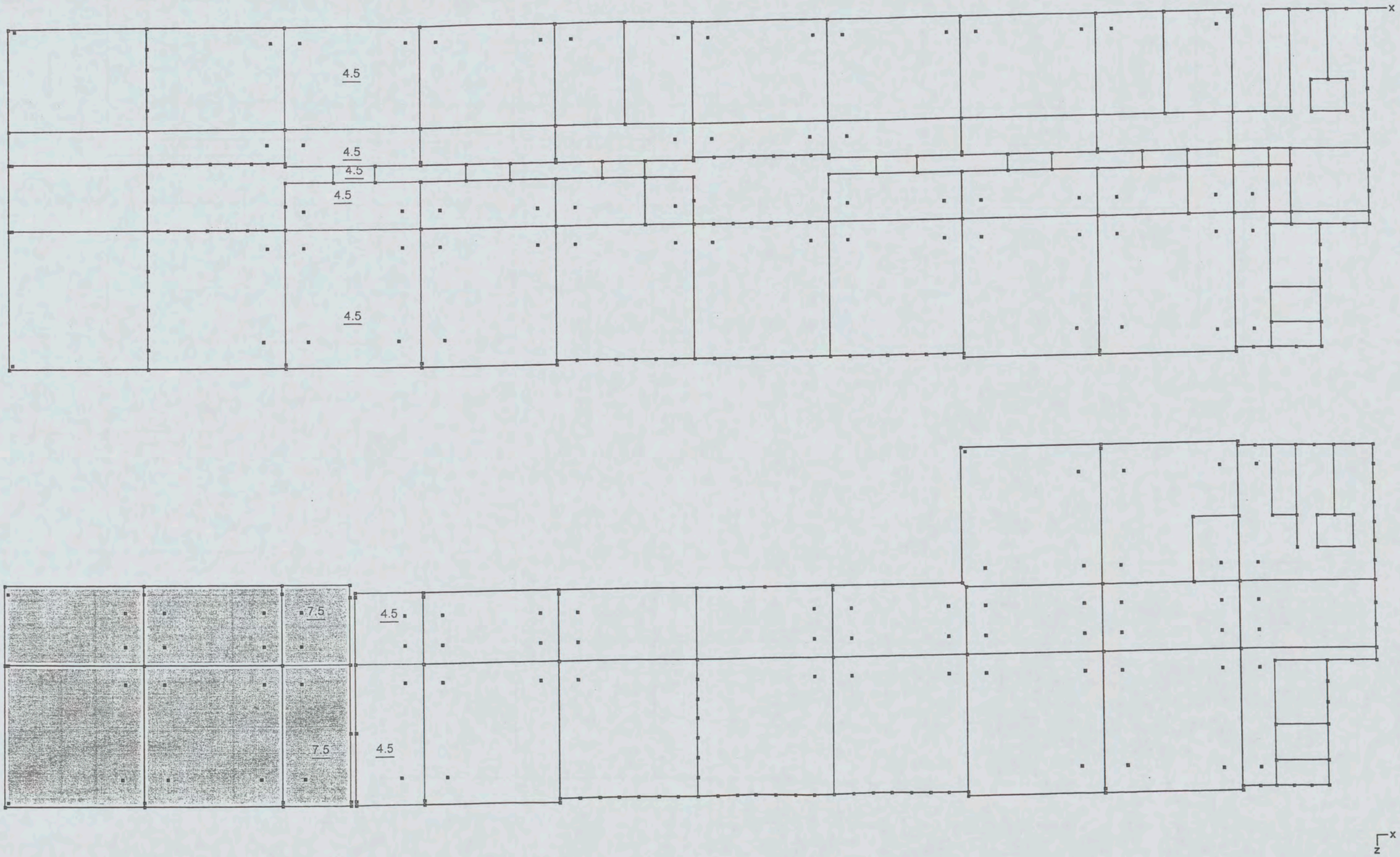




the scale towards document
395

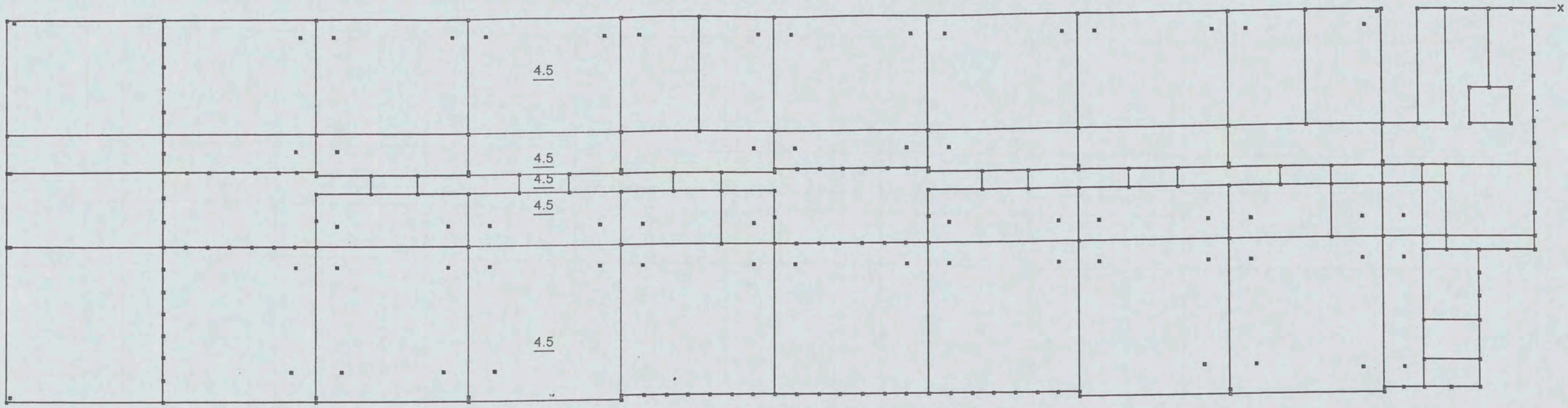
B35

Lasten - Veranderlijk 7 (kN, kNm, kN/m, kN/m²)



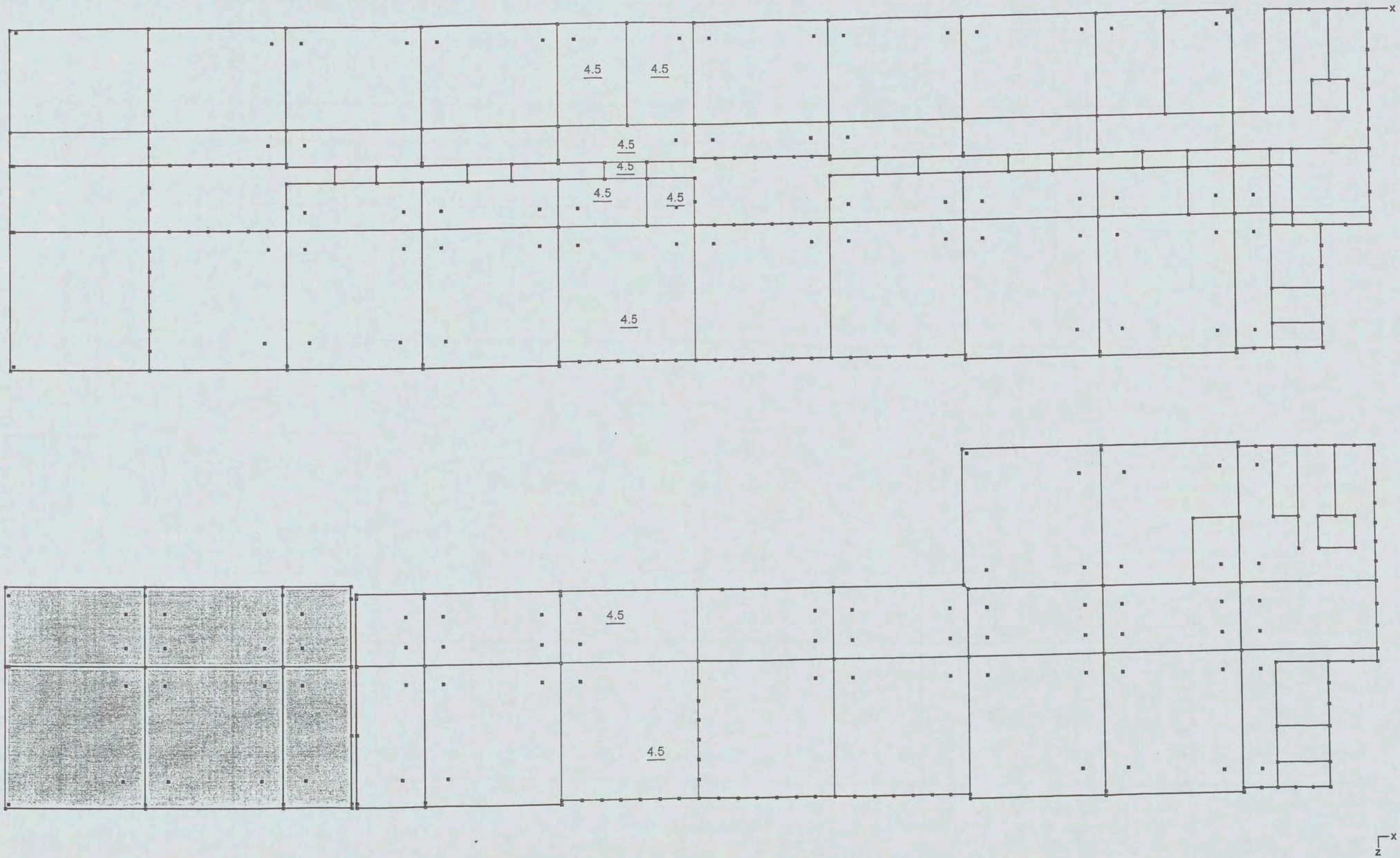
B36

Lasten - Veranderlijk 8 (kN, kNm, kN/m, kN/m²)



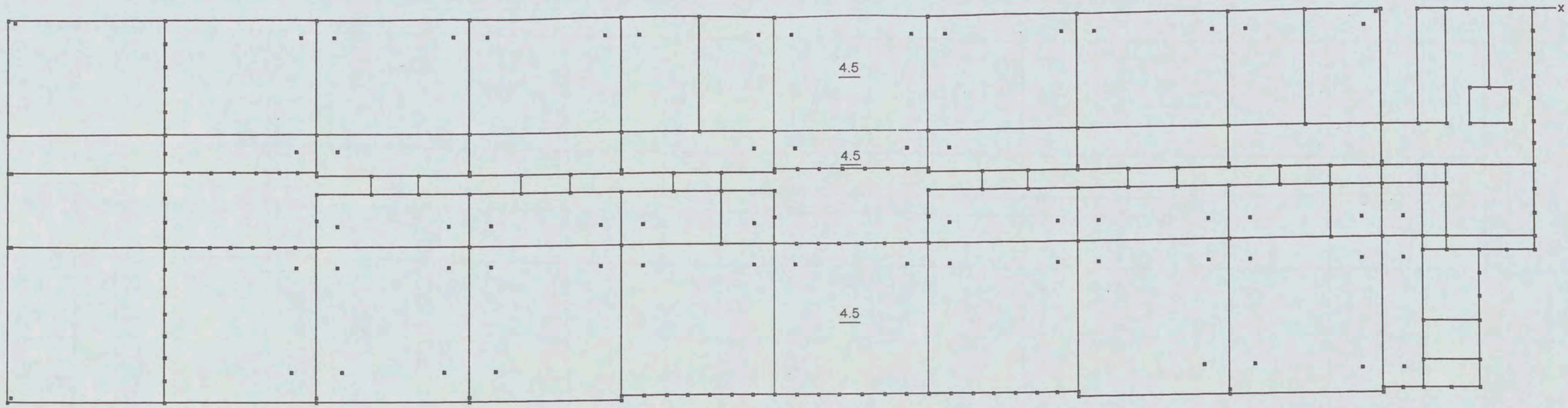
B37

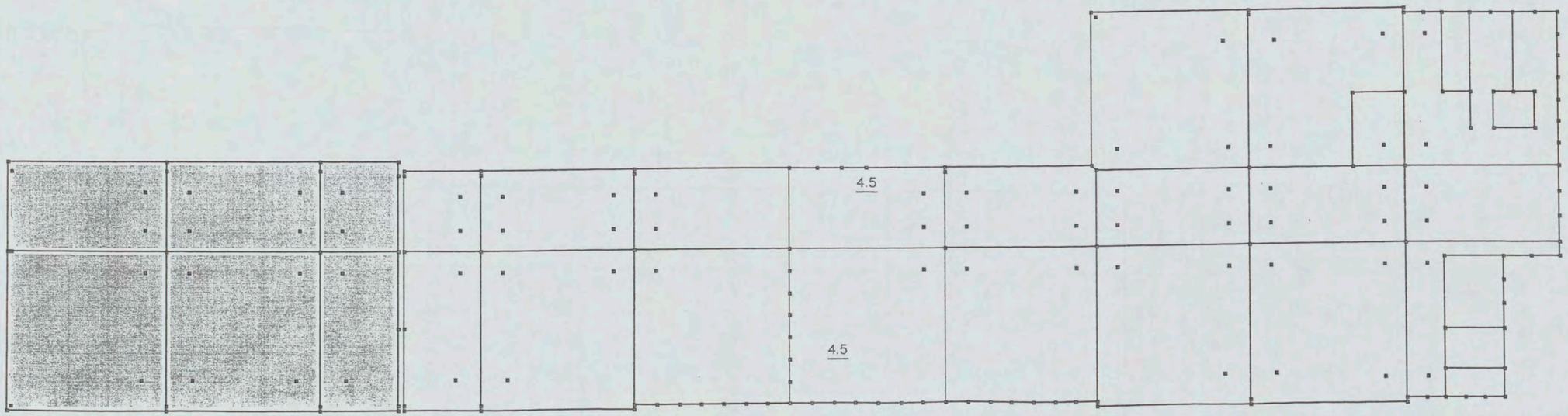
Lasten - Veranderlijk 9 (kN, kNm, kN/m, kN/m²)



B38

Lasten - Veranderlijk 10 (kN, kNm, kN/m, kN/m²)

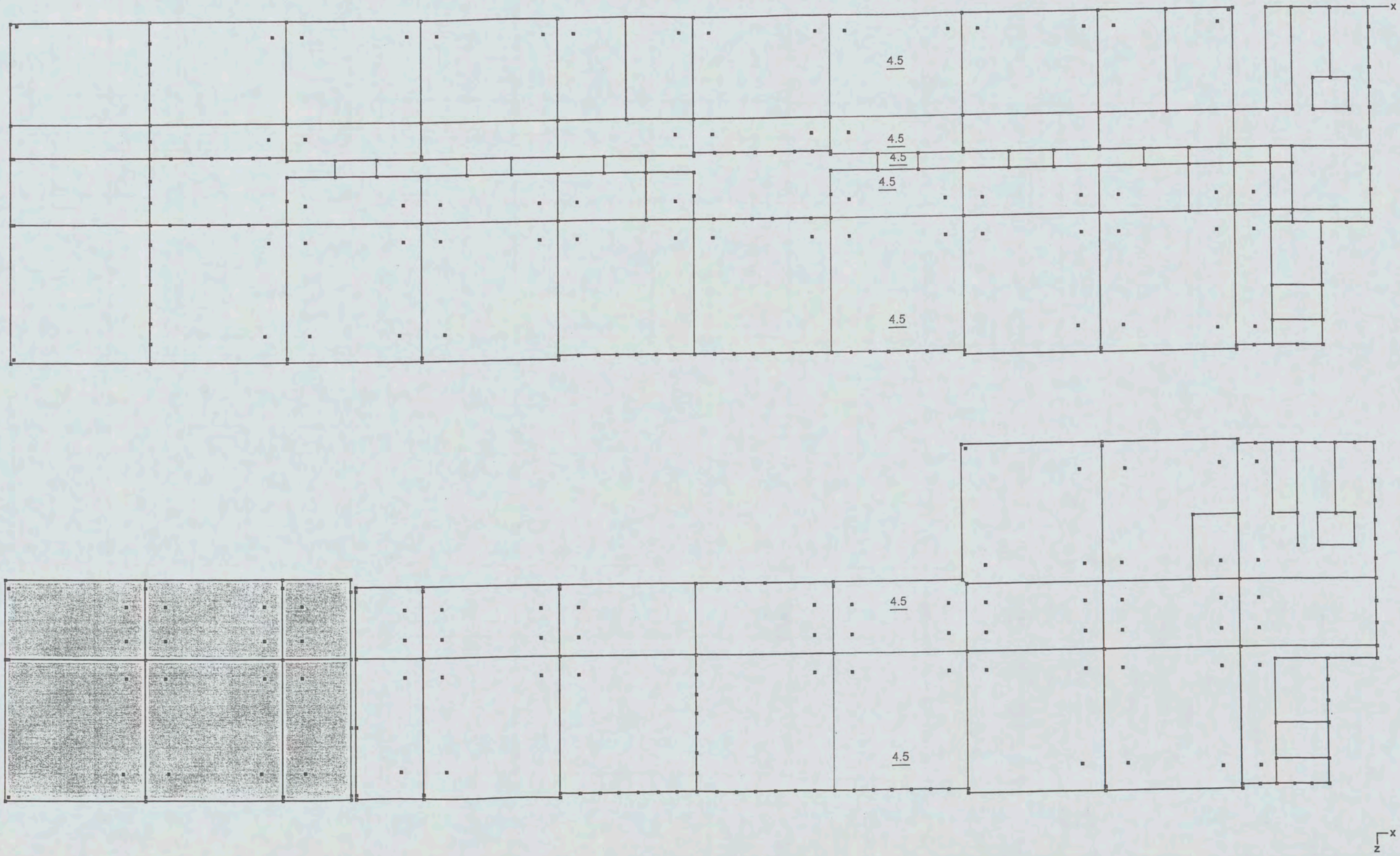




the scale towards document
395

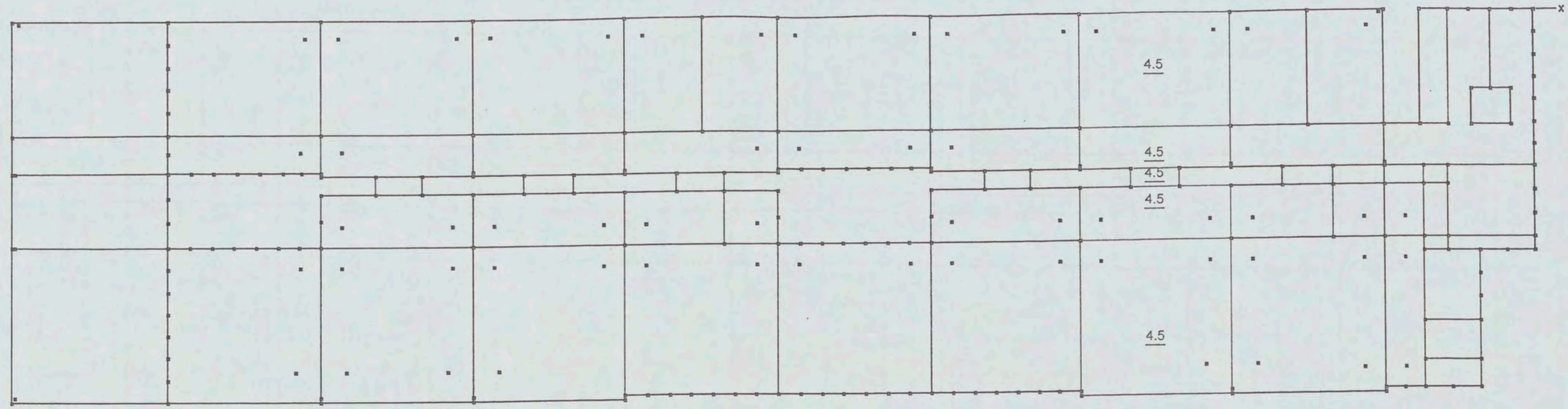
B39

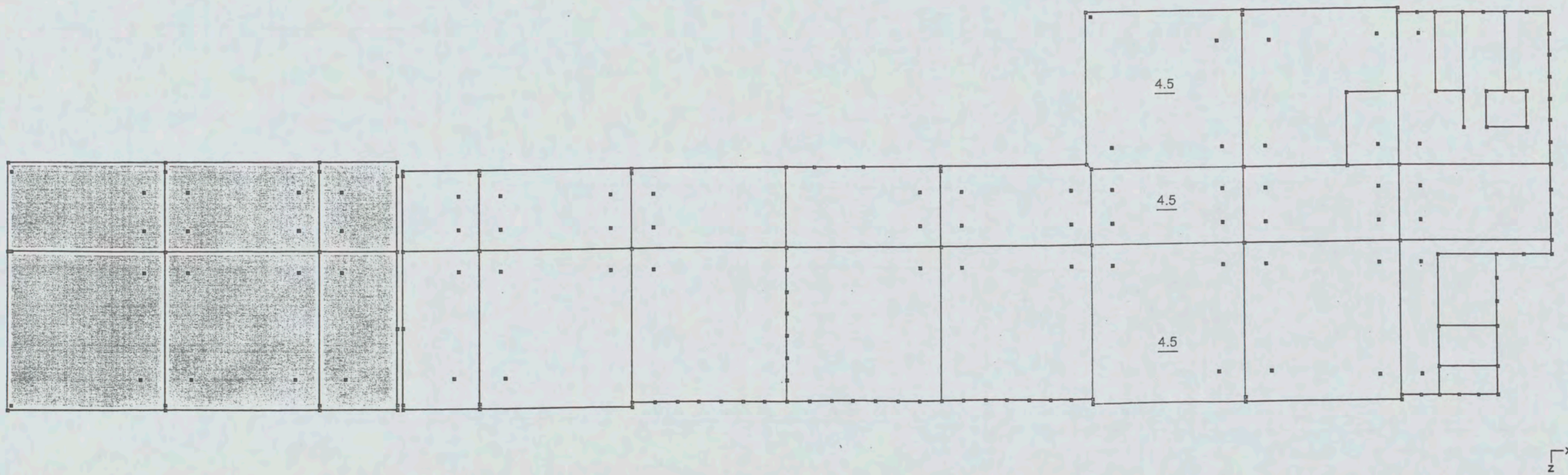
Lasten - Veranderlijk 11 (kN, kNm, kN/m, kN/m²)



B40

Lasten - Veranderlijk 12 (kN, kNm, kN/m, kN/m²)

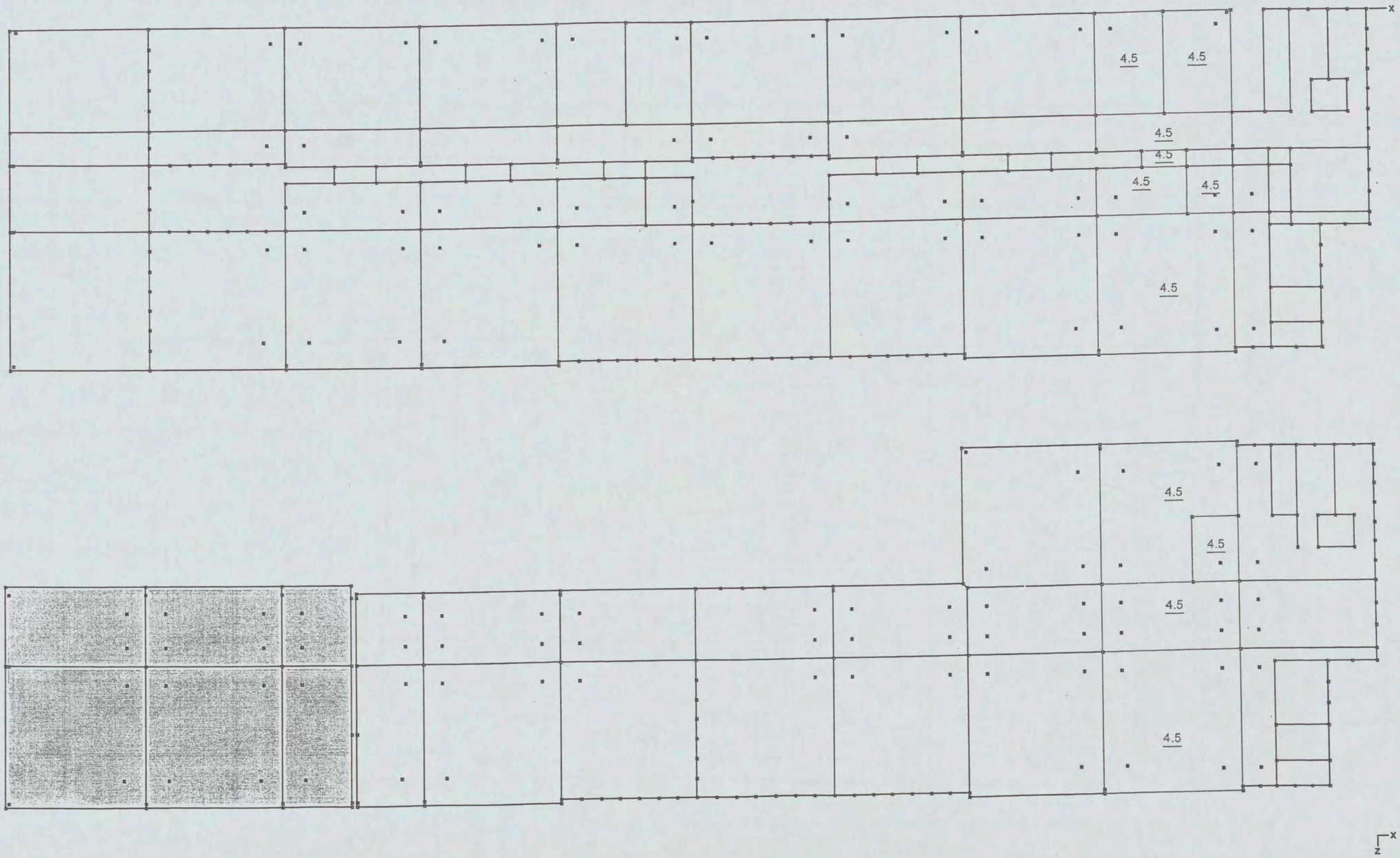




the scale towards document
C1 B1 A1 C2 B2 A2 B5 A5 20 18 17 16 11 10 09 03 02 01 C7 B7 A7 C8 B8 A8 C9 B9 01 C7
Image Engineering Scan Reference Chart TE263 Serial No. 395

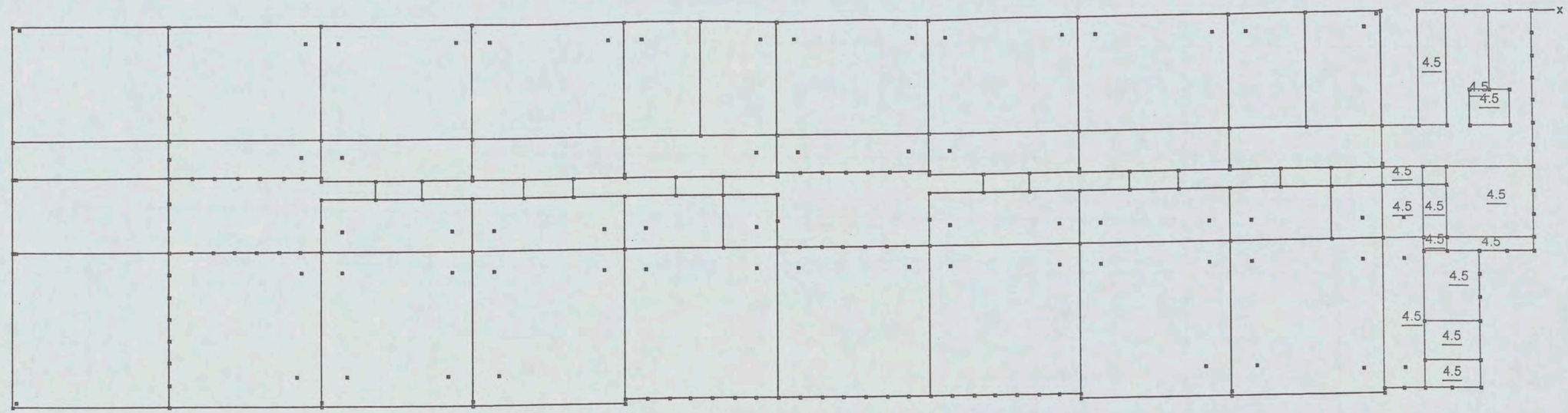
B41

Lasten - Veranderlijk 13 (kN, kNm, kN/m, kN/m²)



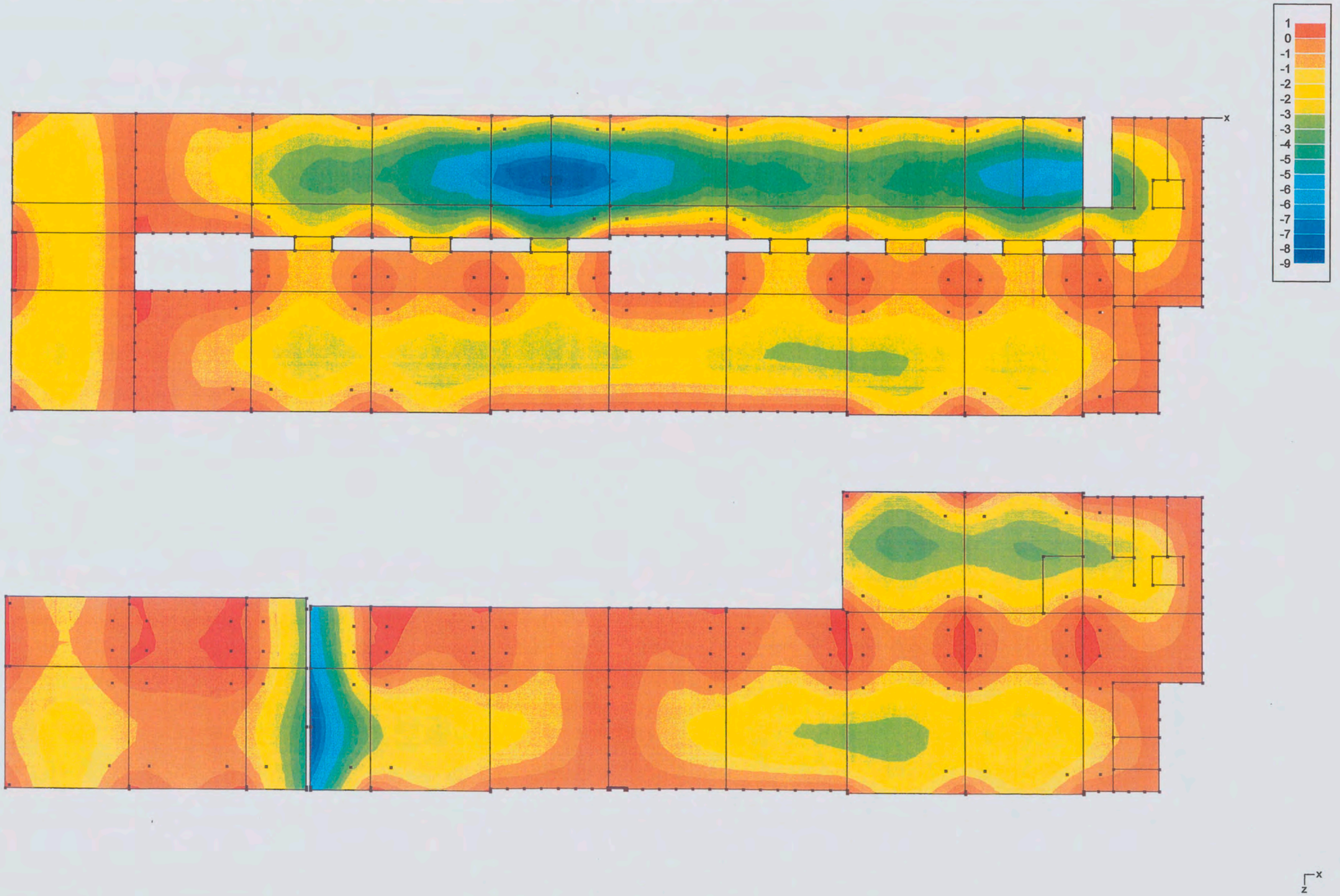
B42

Lasten - Veranderlijk 14 (kN, kNm, kN/m, kN/m²)


x
4.5
4.5
4.5

B43

Plot - Doorbuiging Dy (mm) - onmiddelijk



Bouwkundig Konstruktieburo H.C. Bogaards b.v.

PowerPlate 4,0 - © BuildSoft

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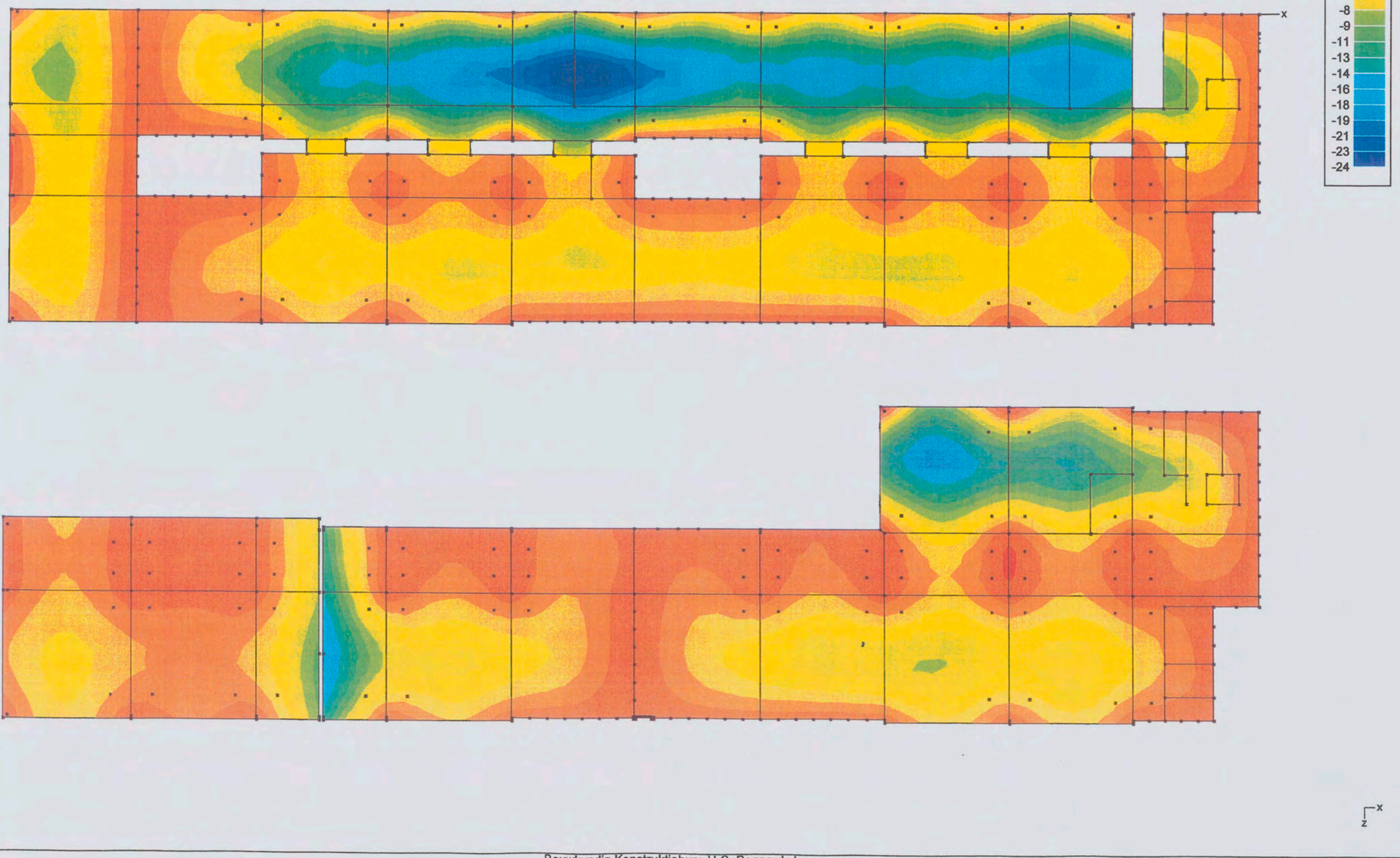
B44

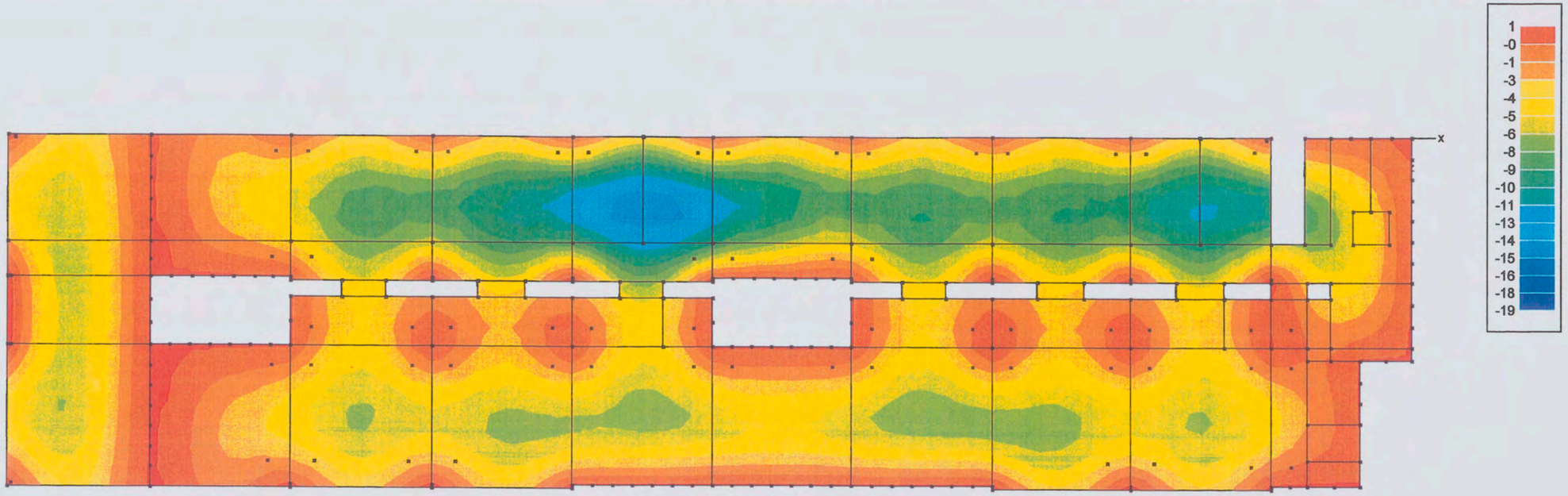
Plot - Doorbuiging Dy (mm) - totaal 2



395

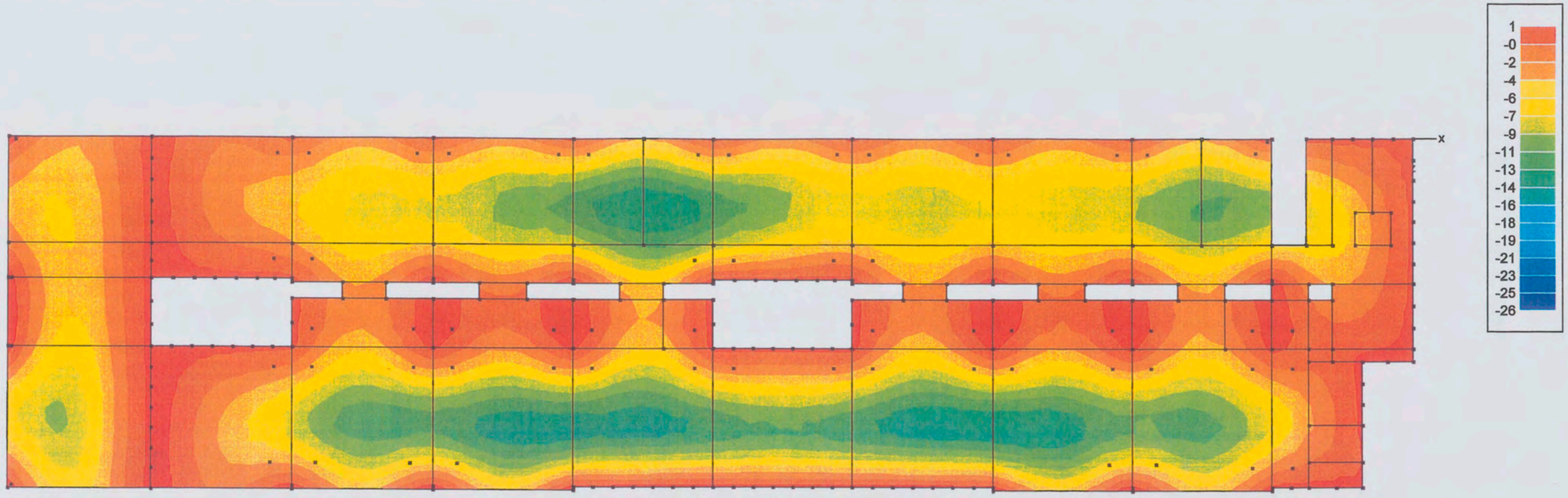
B45

Plot - Doorbuiging Dy (mm) - totaal 3



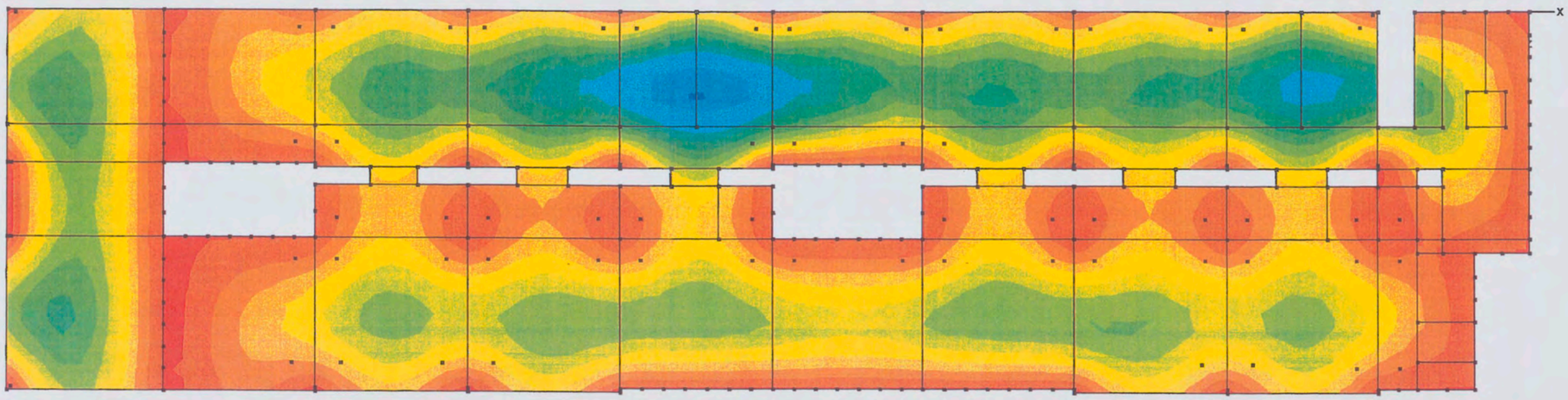
B46

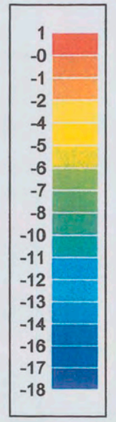
Plot - Doorbuiging Dy (mm) - totaal 4

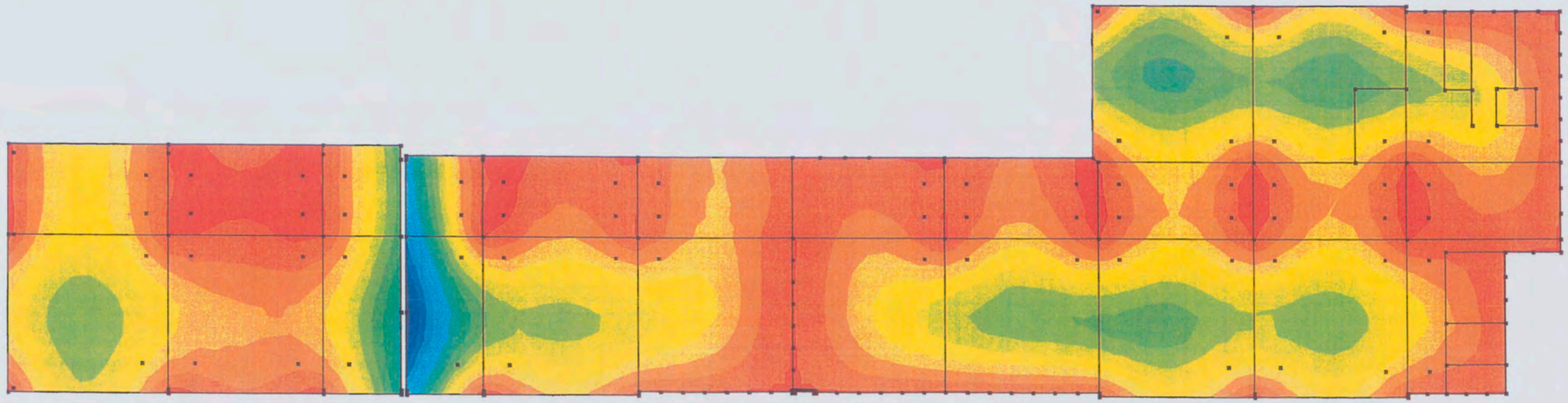


B47

Plot - Doorbuiging Dy (mm) - totaal 5



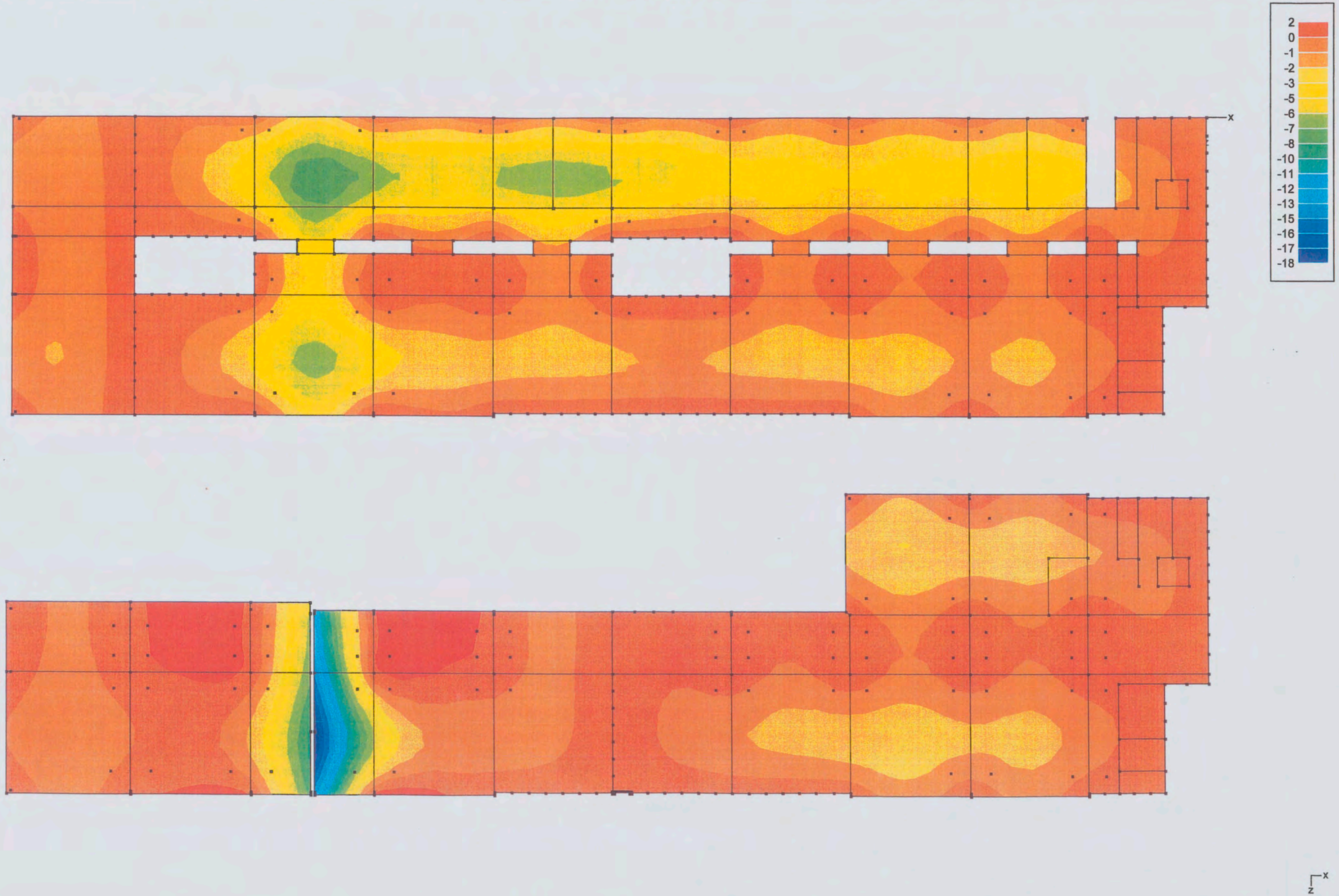






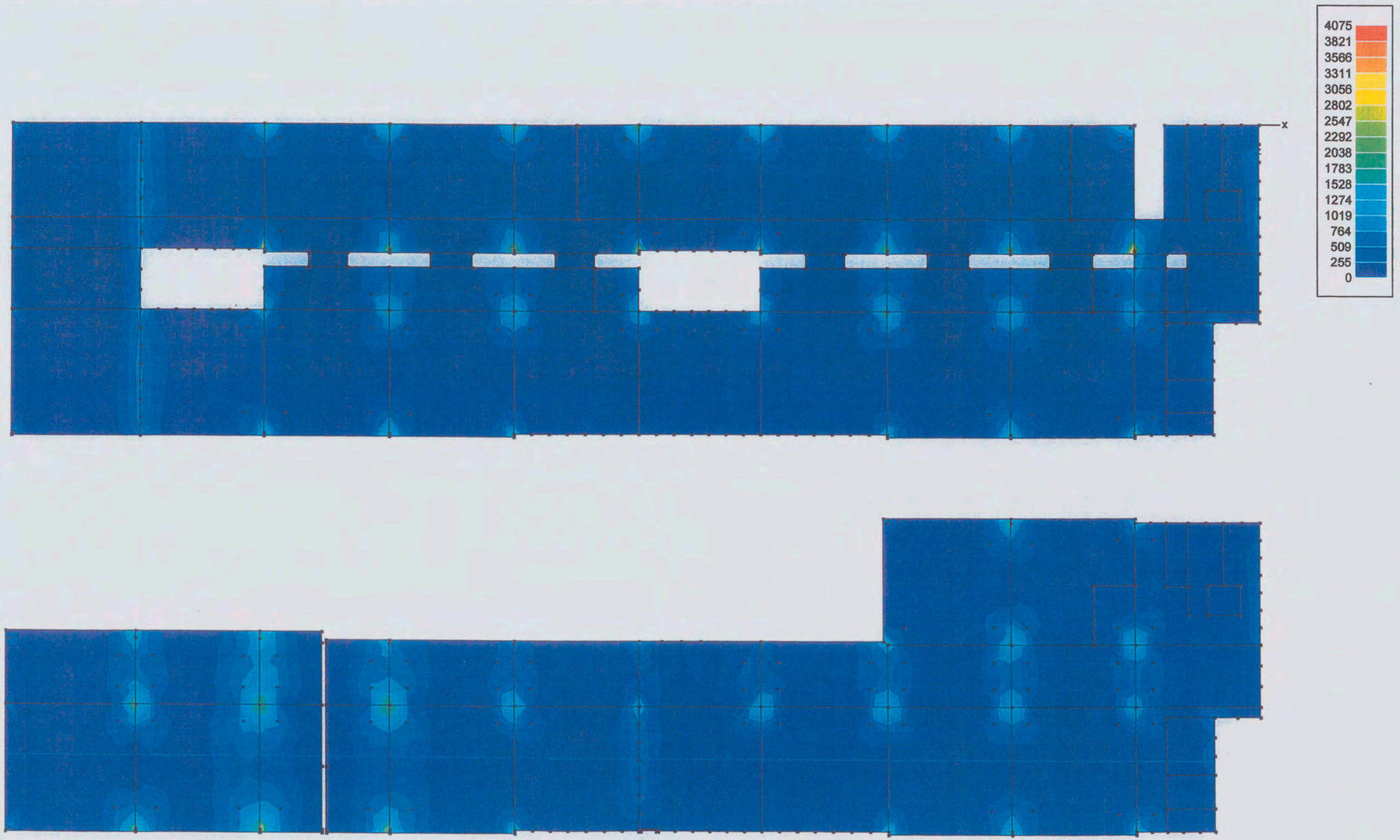
B48

Plot - Doorbuiging Dy (mm) - totaal 7



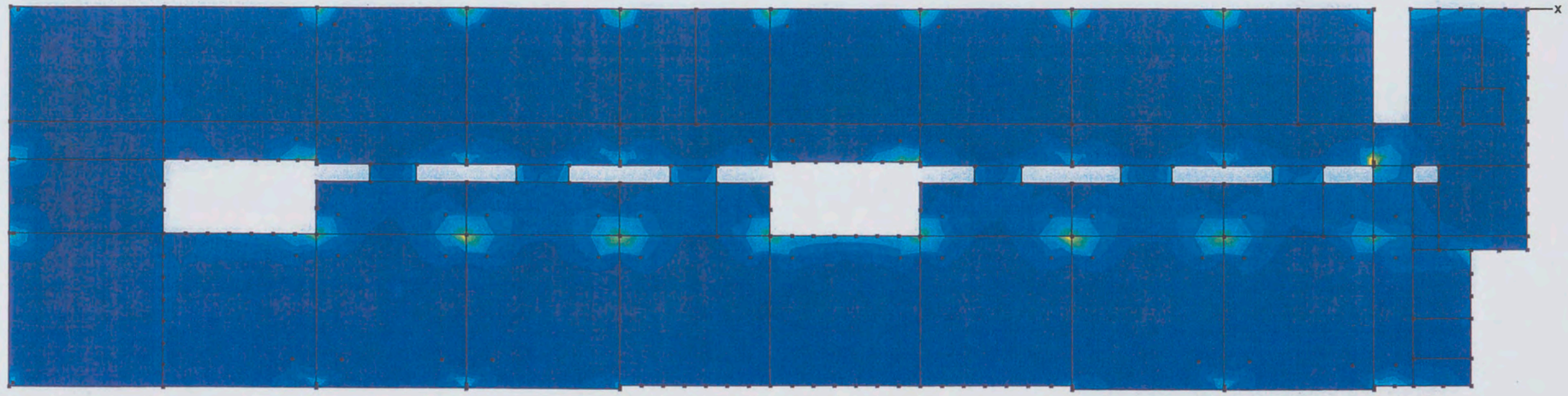
B49

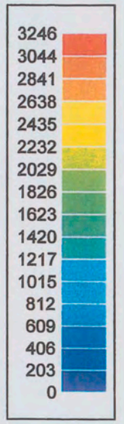
Plot - Bovenwapening // x'-as (mm²/m)

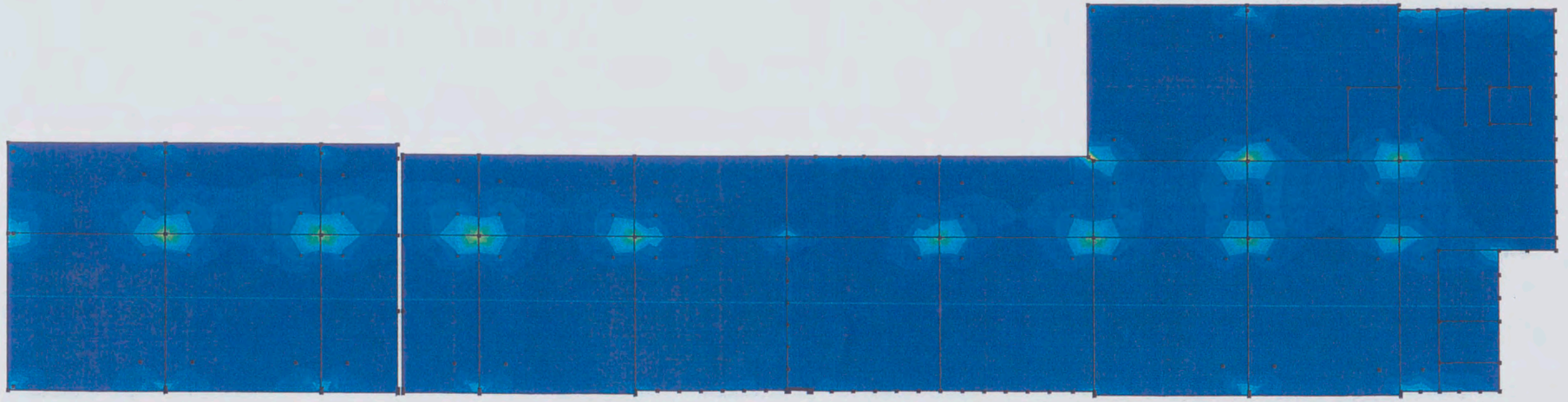


B50

Plot - Bovenwapening // z'-as (mm²/m)







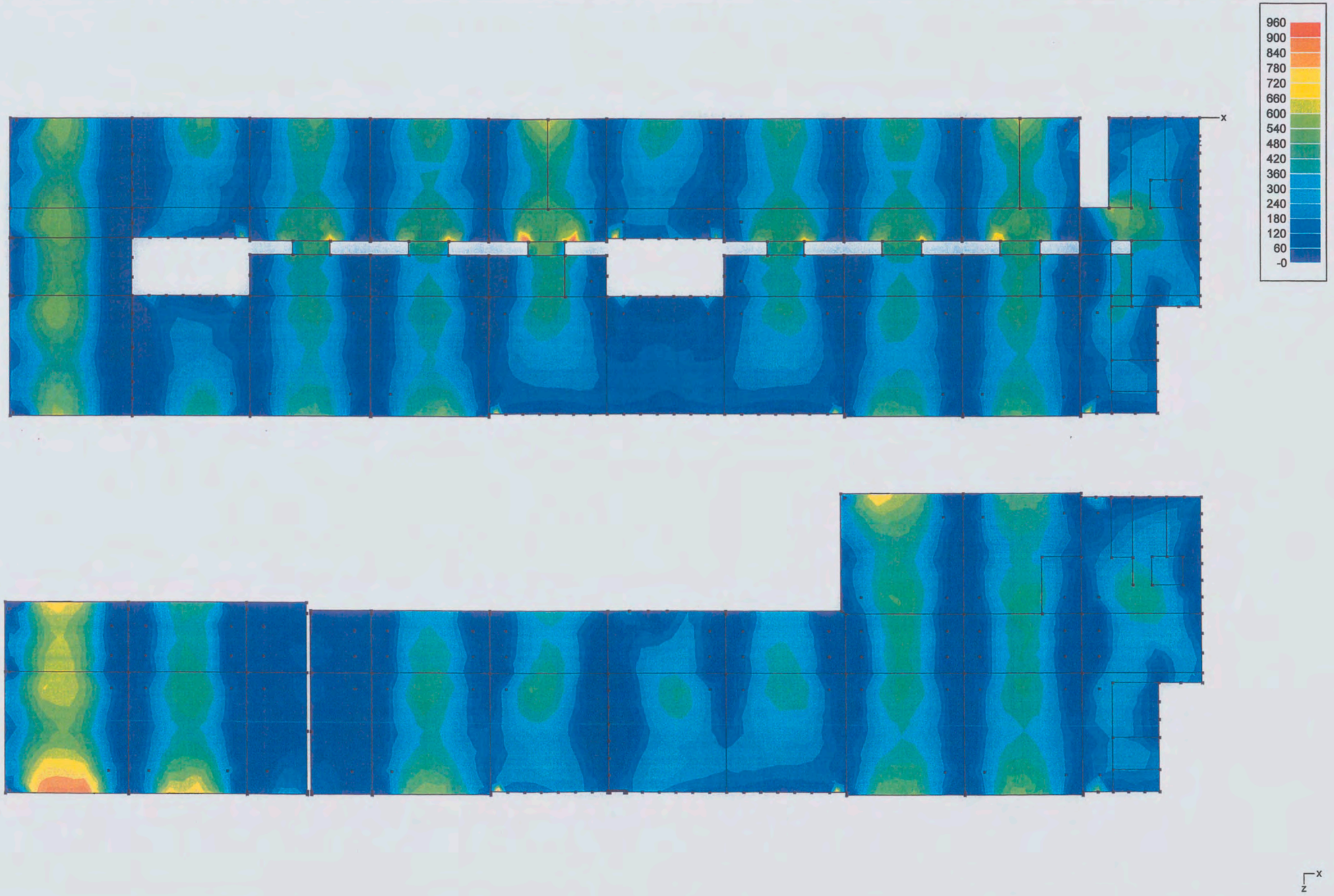




395

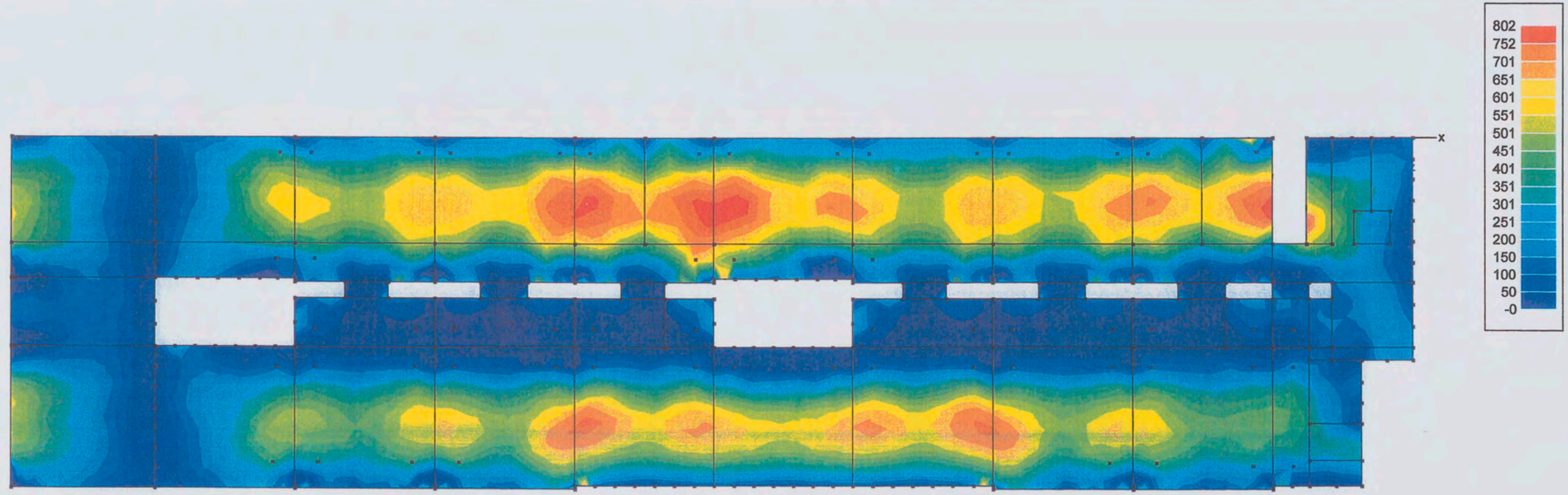
B51

Plot - Onderwapening // x'-as (mm²/m)



B52

Plot - Onderwapening // z'-as (mm²/m)



B53

Plot - Onderwapening // x'-as (mm²/m)

960
904
847
791
734
678
621
565
508
452
395
339
282
226
169
113
56
-0

x
z

the scale towards document

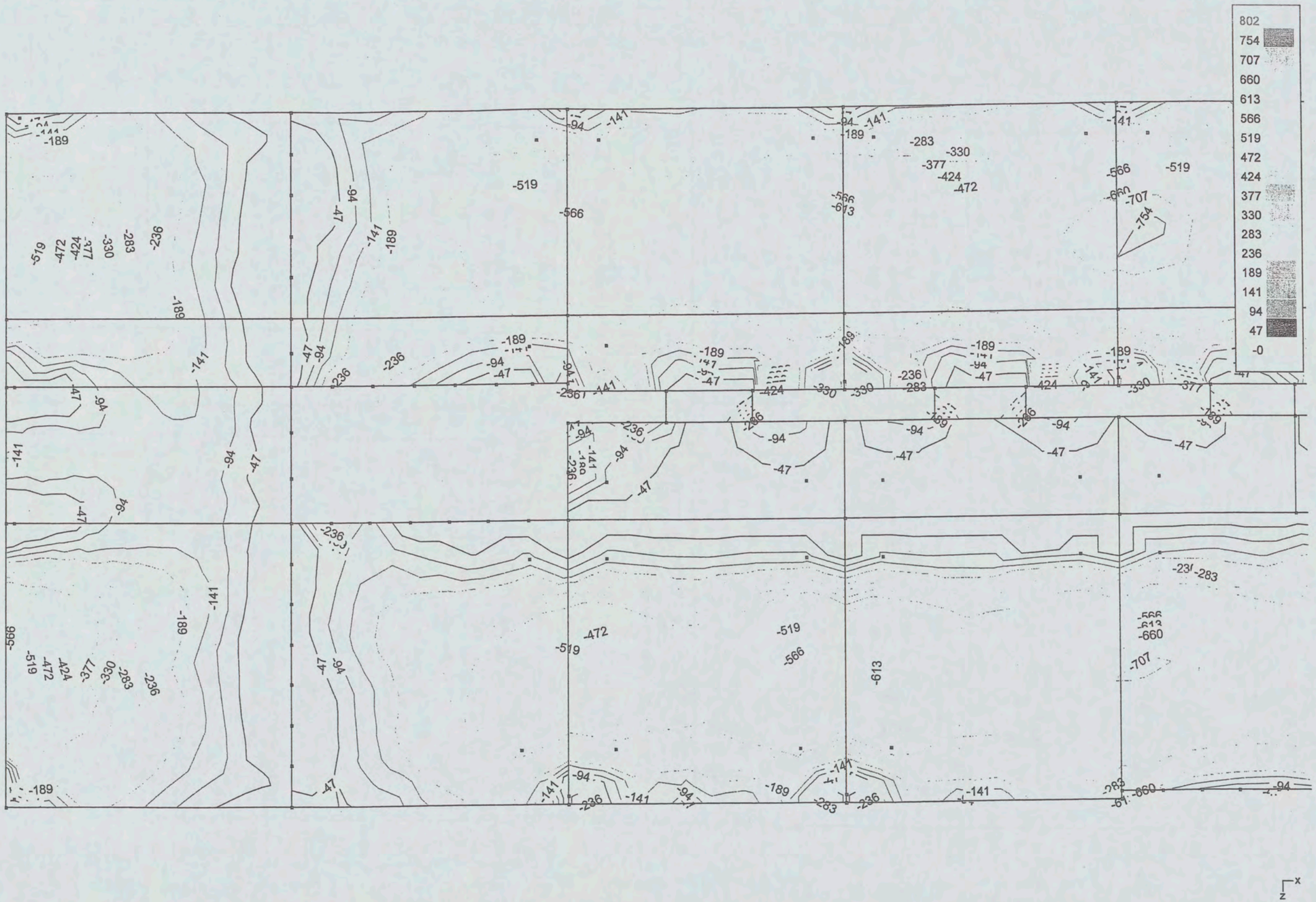
C1 B1 A1 C2 B2 A2 B5 A5 20 18 17 16 11 10 09 03 02 01 C7 B7 A7 C8 B8 A8 C9 B9

Patch Reference numbers on UTI

395

B54

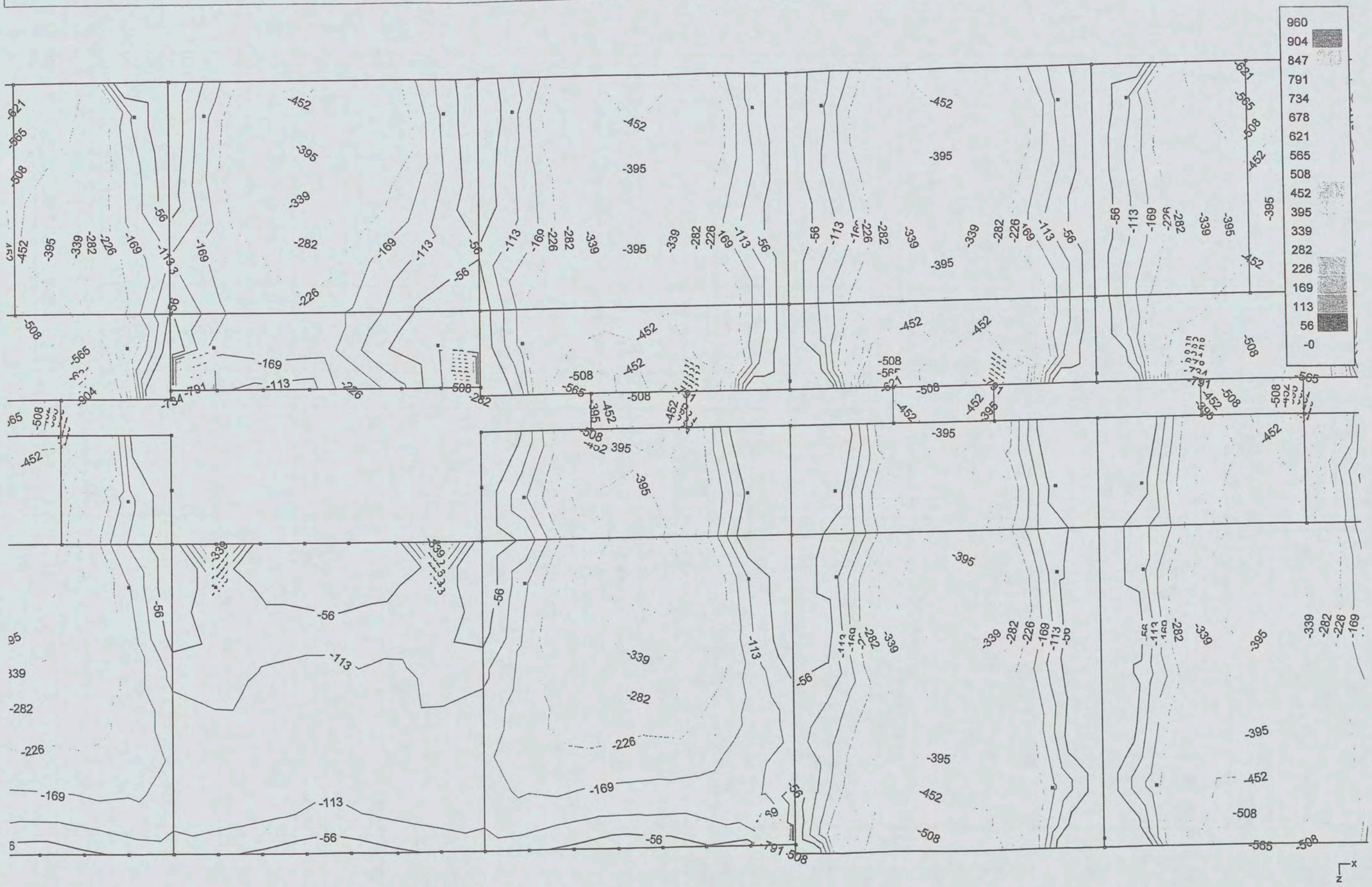
Plot - Onderwapening // z'-as (mm²/m)



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
Serial No. 395

B55

Plot - Onderwapening // x'-as (mm²/m)

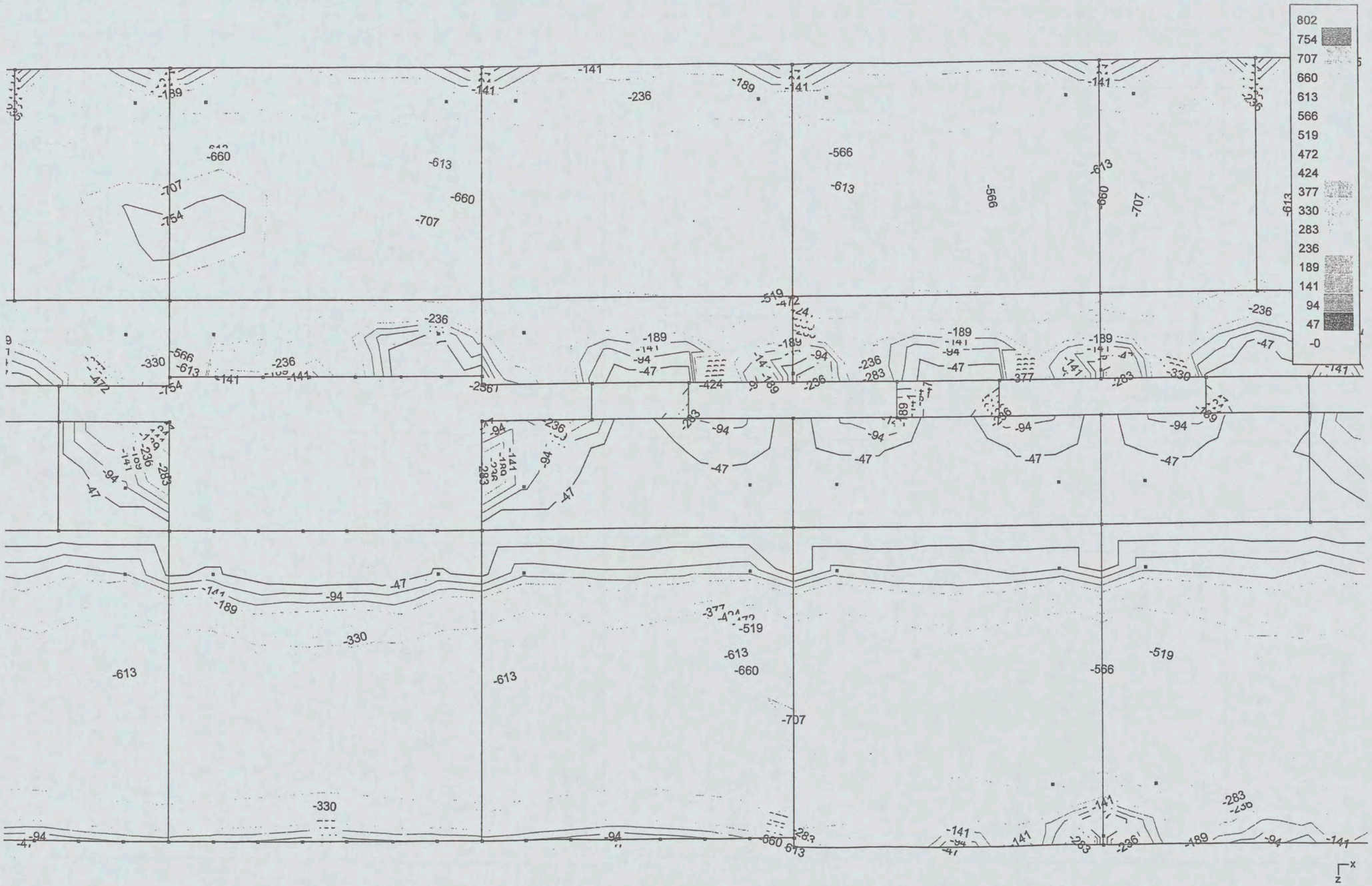


the scale towards document
Patch Reference numbers on UTI
Serial No.

395

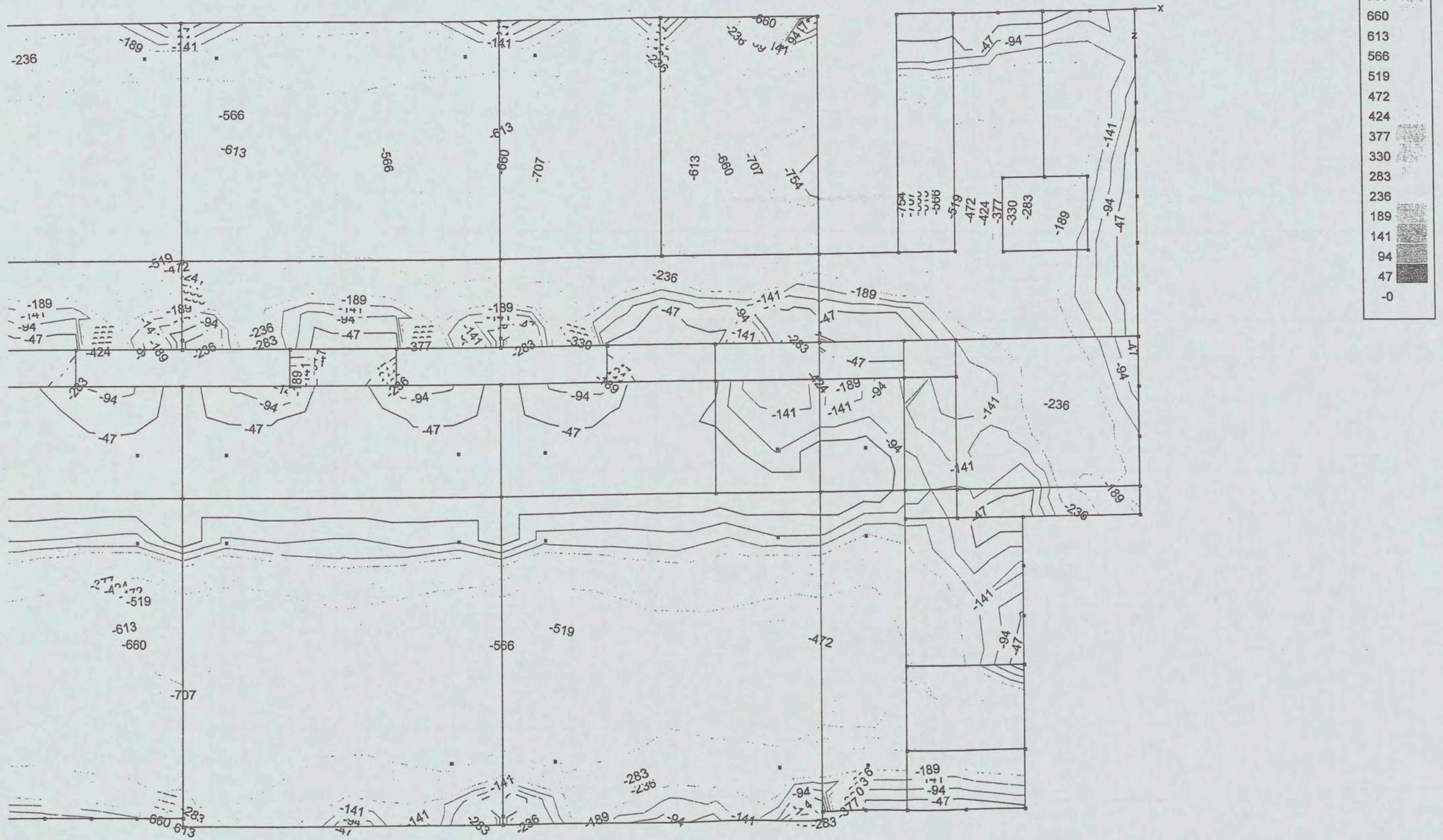
B56

Plot - Onderwapening // z'-as (mm²/m)



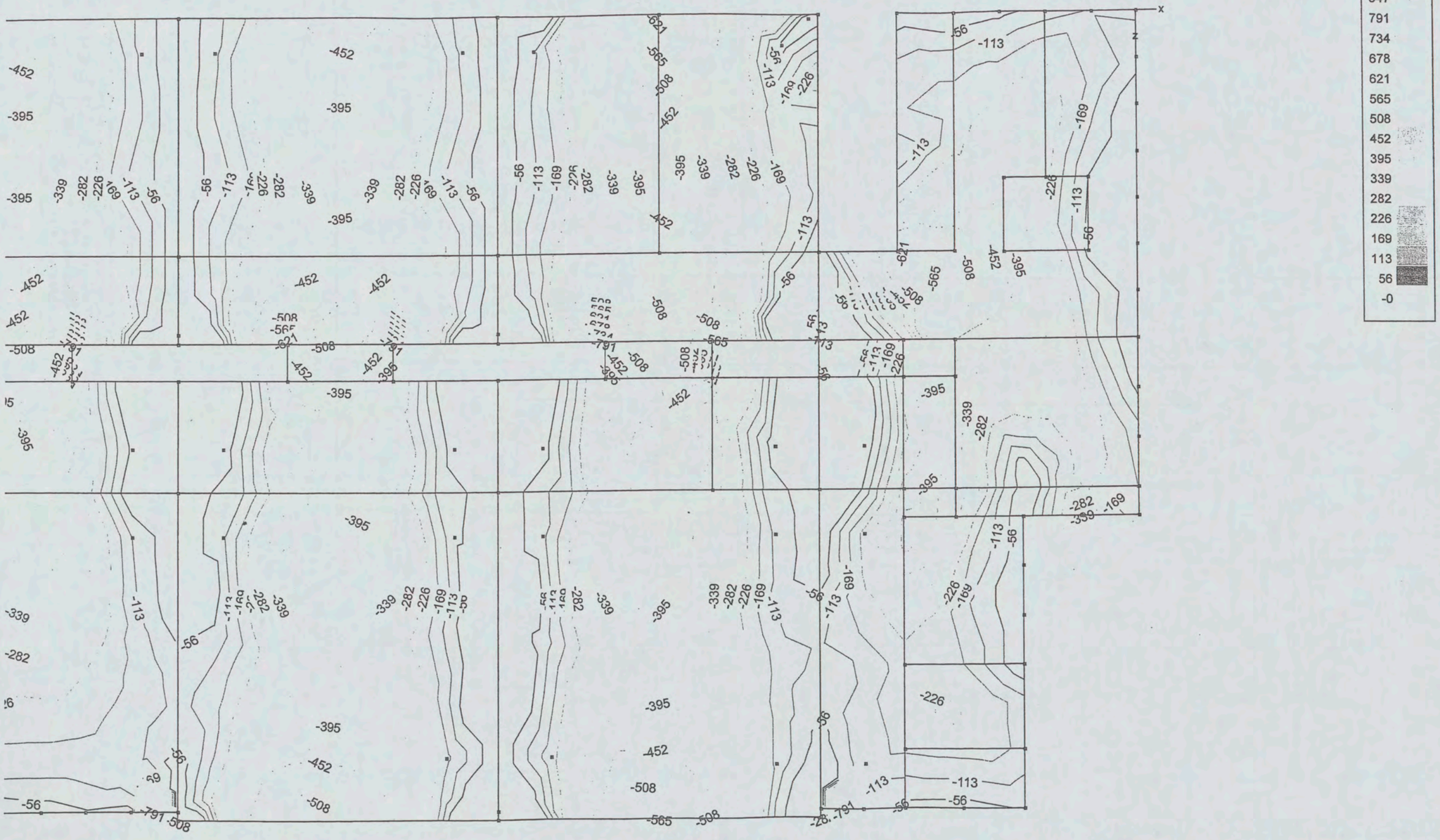
B57

Plot - Onderwapening // z'-as (mm²/m)



B58

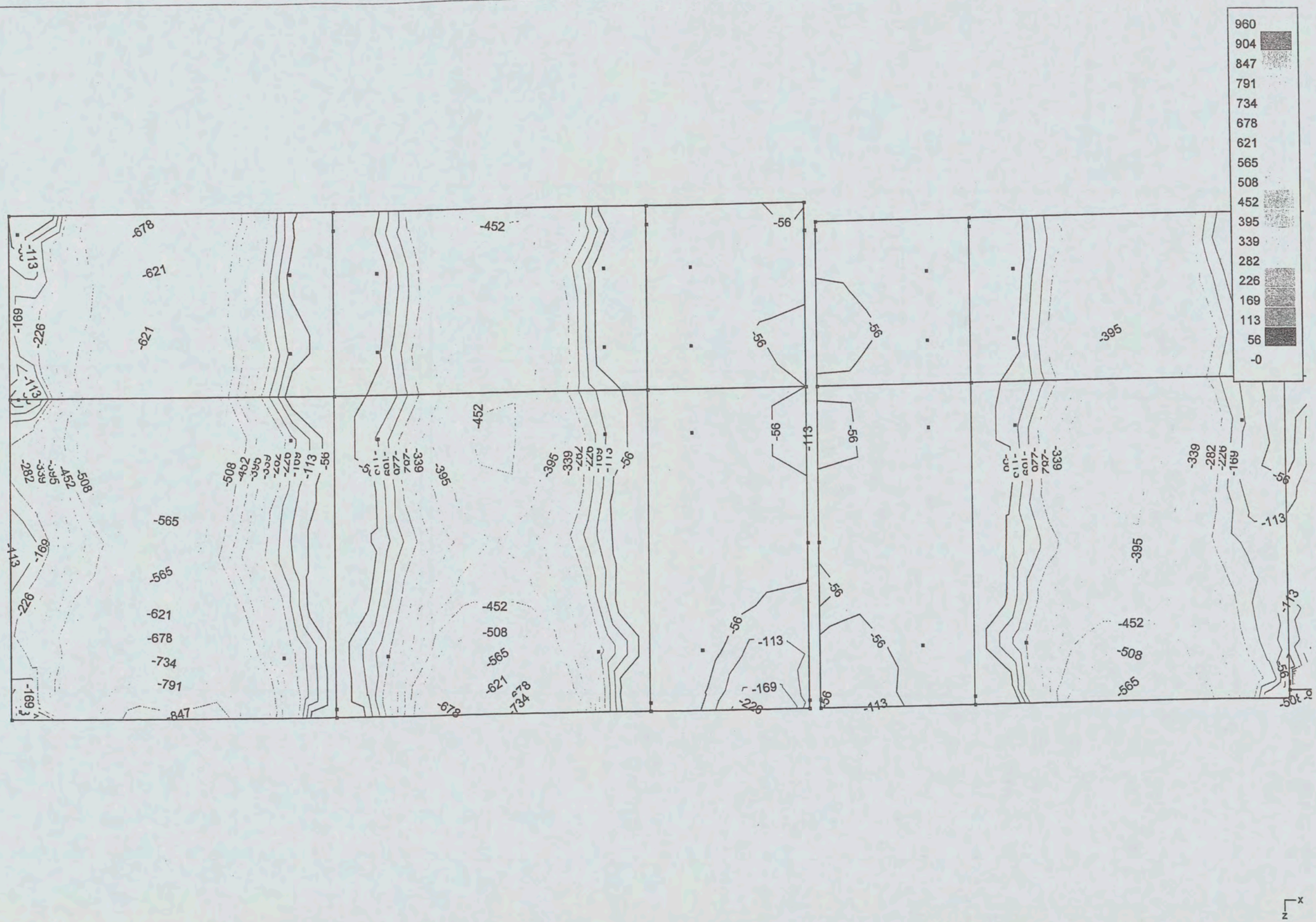
Plot - Onderwapening // x'-as (mm²/m)



the scale towards document
Image Engineering Scan Reference Chart TE283 Serial No. 395

B59

Plot - Onderwapening // x'-as (mm²/m)

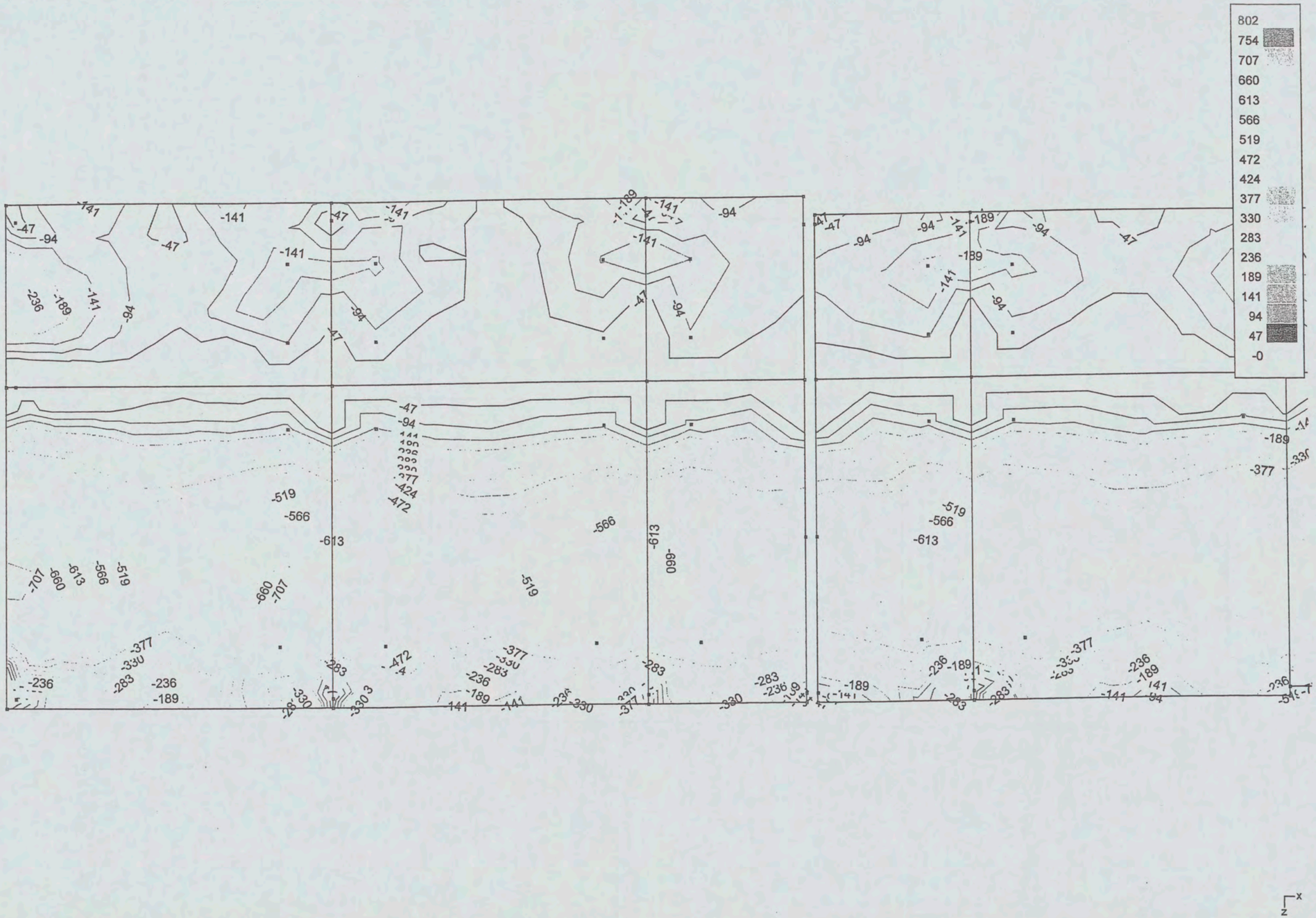


the scale towards document
C1 B1 A1 C2 B2 A2 B5 A5 20 18 17 16 11
01 C7 B7 A7 C8 B8 A8 C9 B9
10 09 03 02 01 C7

395

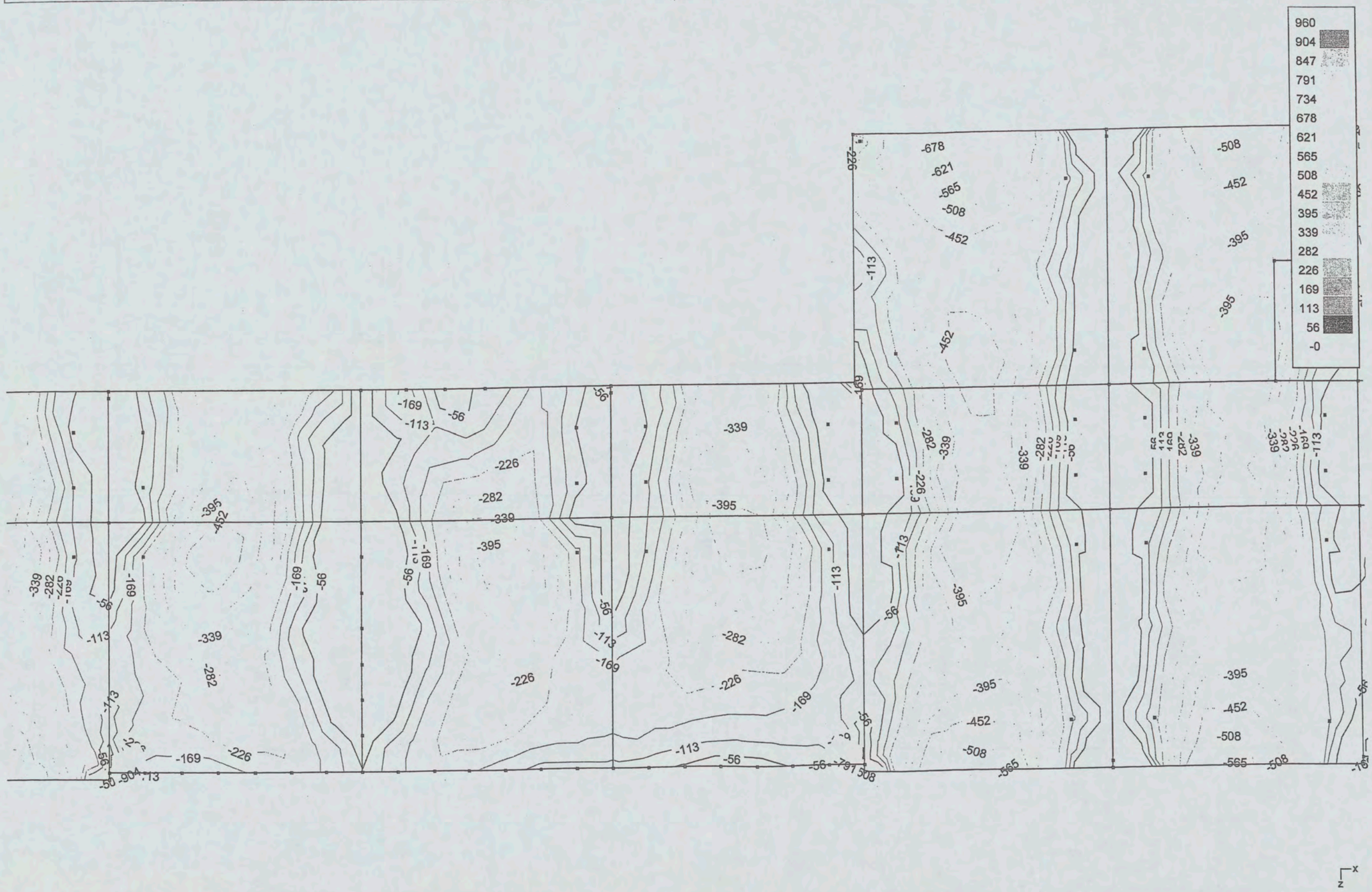
B60

Plot - Onderwapening // z'-as (mm²/m)



B61

Plot - Onderwapening // x'-as (mm²/m)

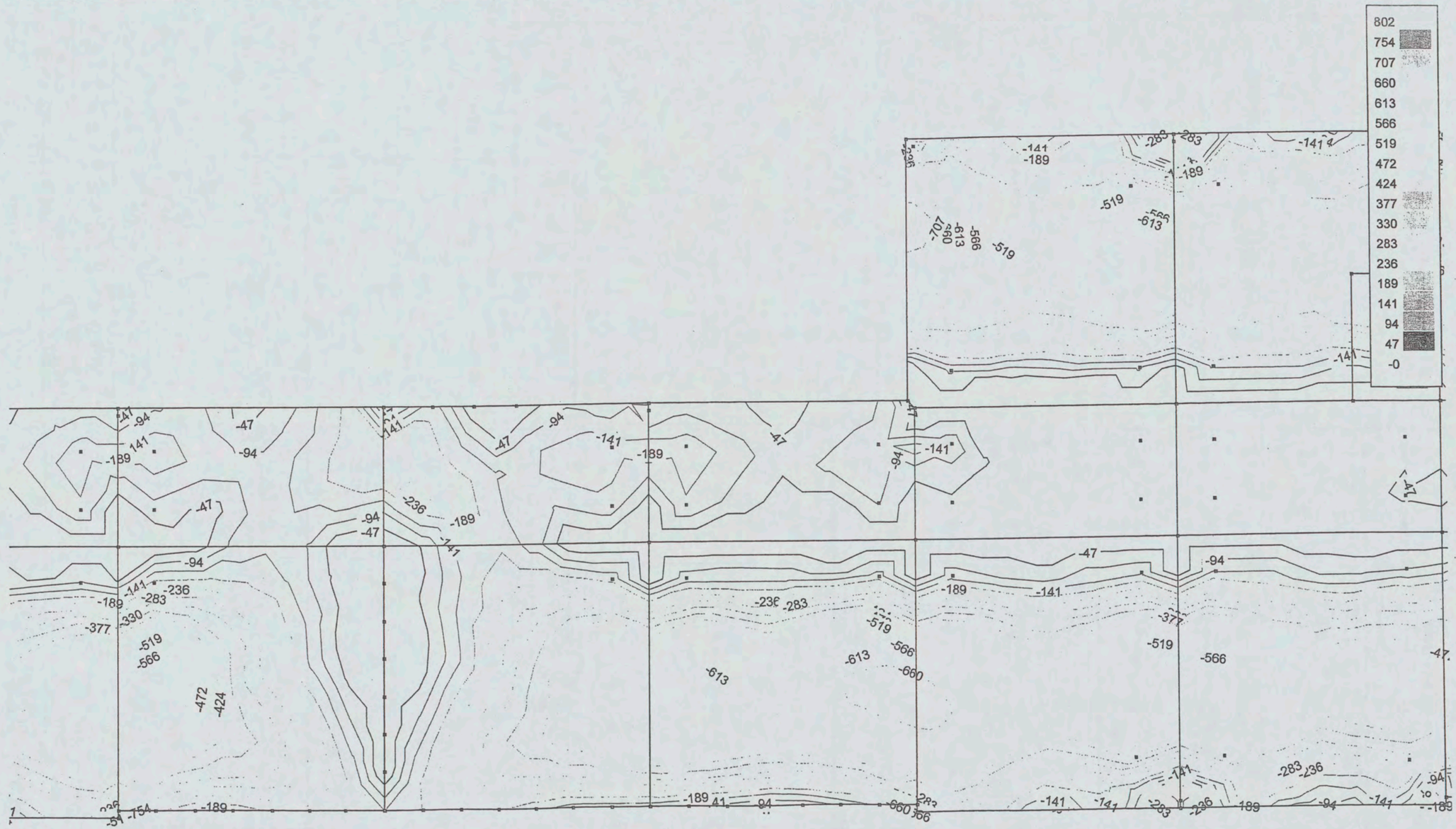


X
Z

395

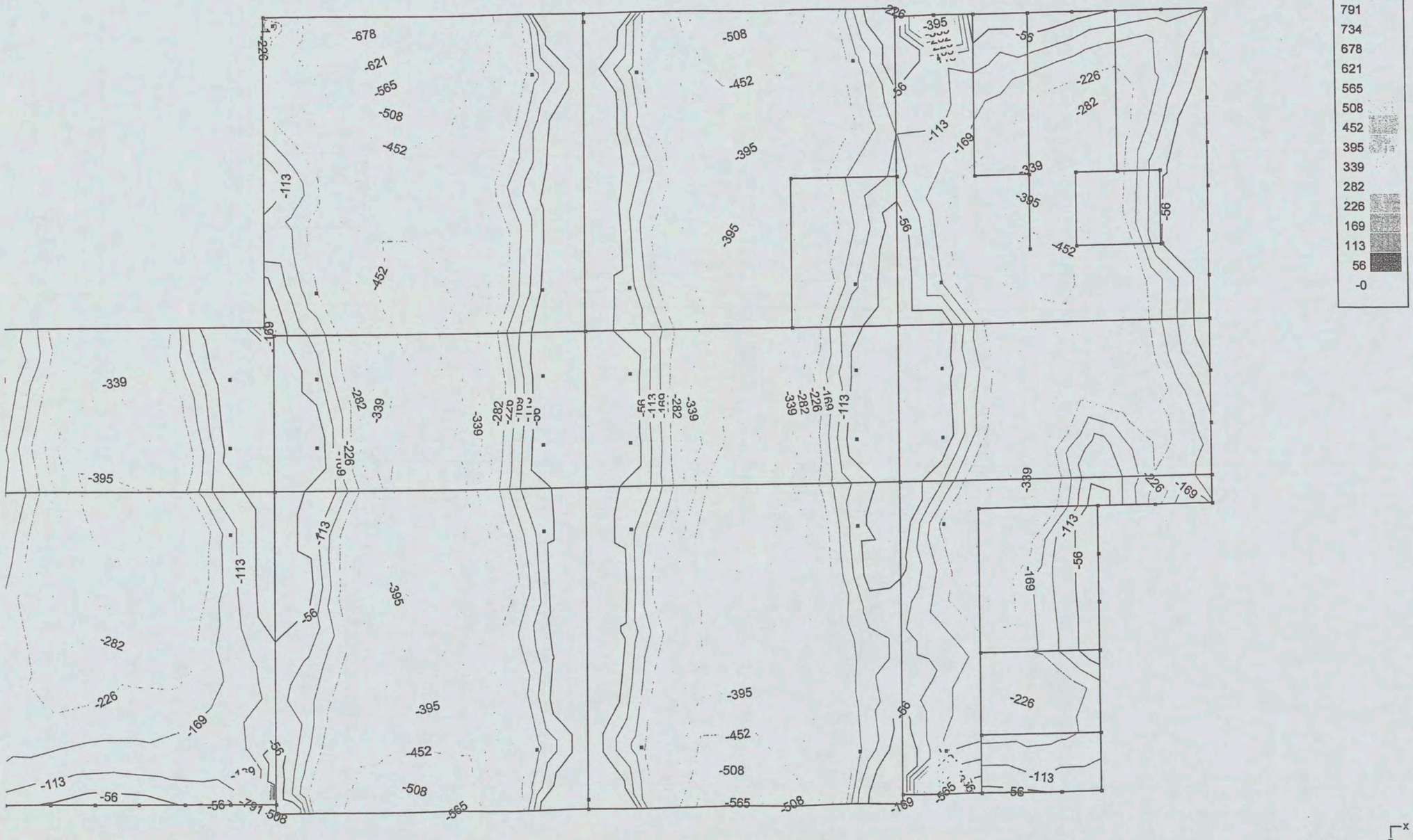
B62

Plot - Onderwapening // z'-as (mm²/m)



B63

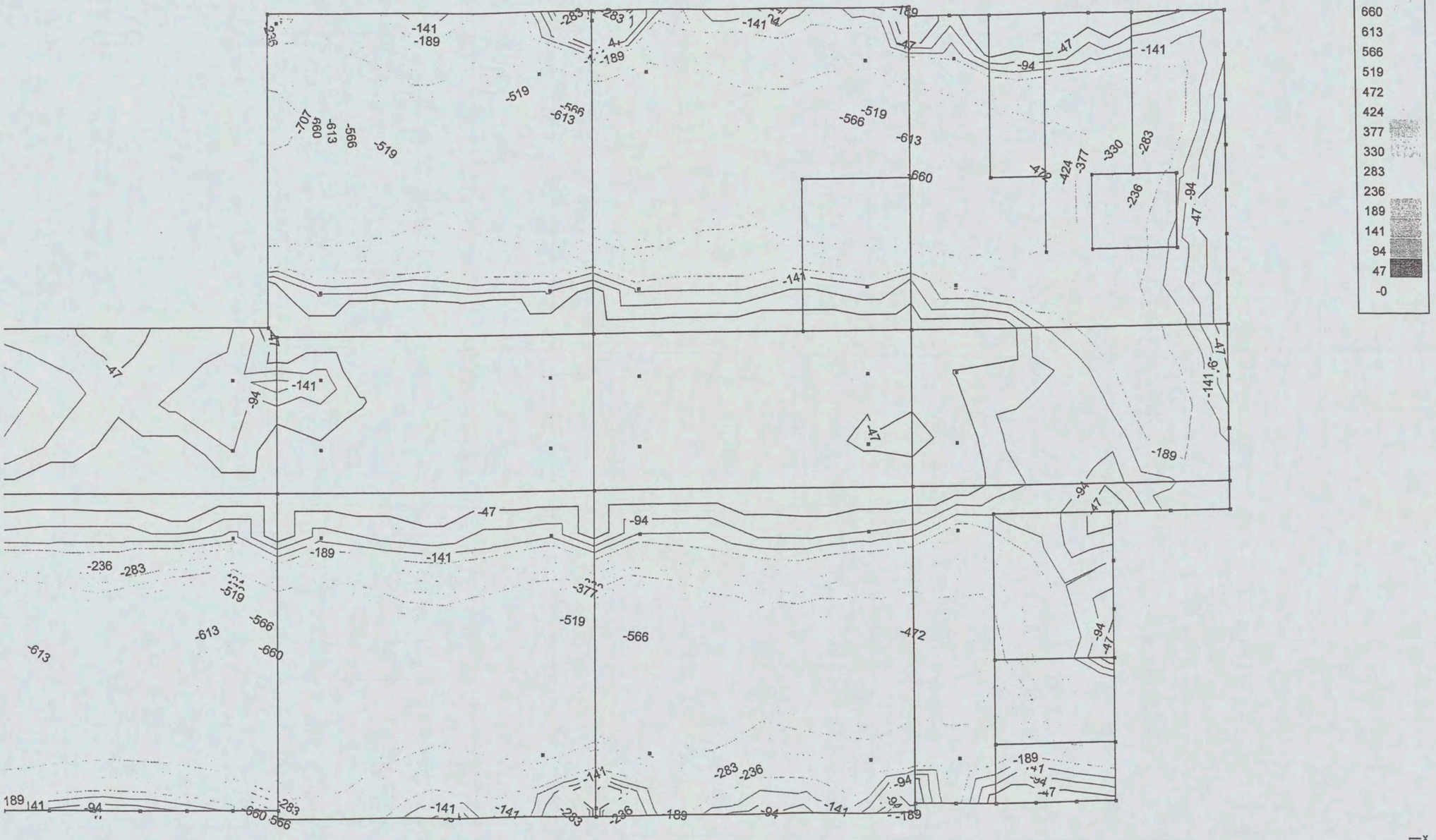
Plot - Onderwapening // x'-as (mm²/m)



the scale towards document
A1 A2 B1 B2 C1 C2 A5 B5 A7 B7 A8 B8 C7 C8 C9 B9
01 02 03 09 10 11 16 17 18 20
Scan Reference Chart TE263
Serial No. 395

B64

Plot - Onderwapening // z'-as (mm²/m)



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 UIT
Serial No. 395

B65

Plot - Bovenwapening // x'-as (mm²/m)

145

143

19

4075
3836
3596
3356
3116
2877
2637
2397
2157
1918
1678
1438
1199
959
719
479
240
0

719
479
240

479
719
719
479
240

240
479
719
479
240

479
719
719
479
240

719

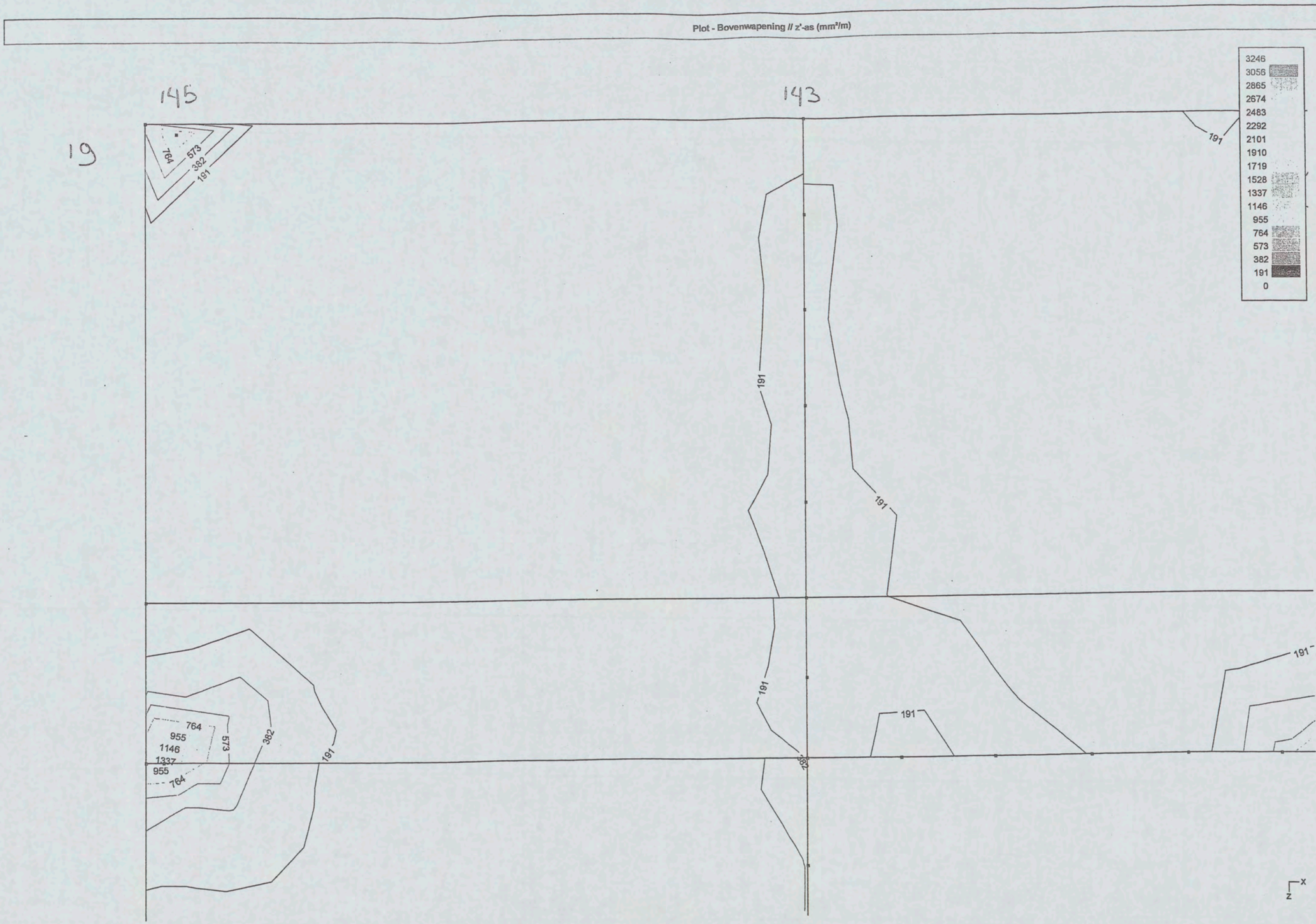
240

X
N

Image Engineering Scan Reference Chart TE263 Serial No. 395
Photo Reference numbers are UTT
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

B66

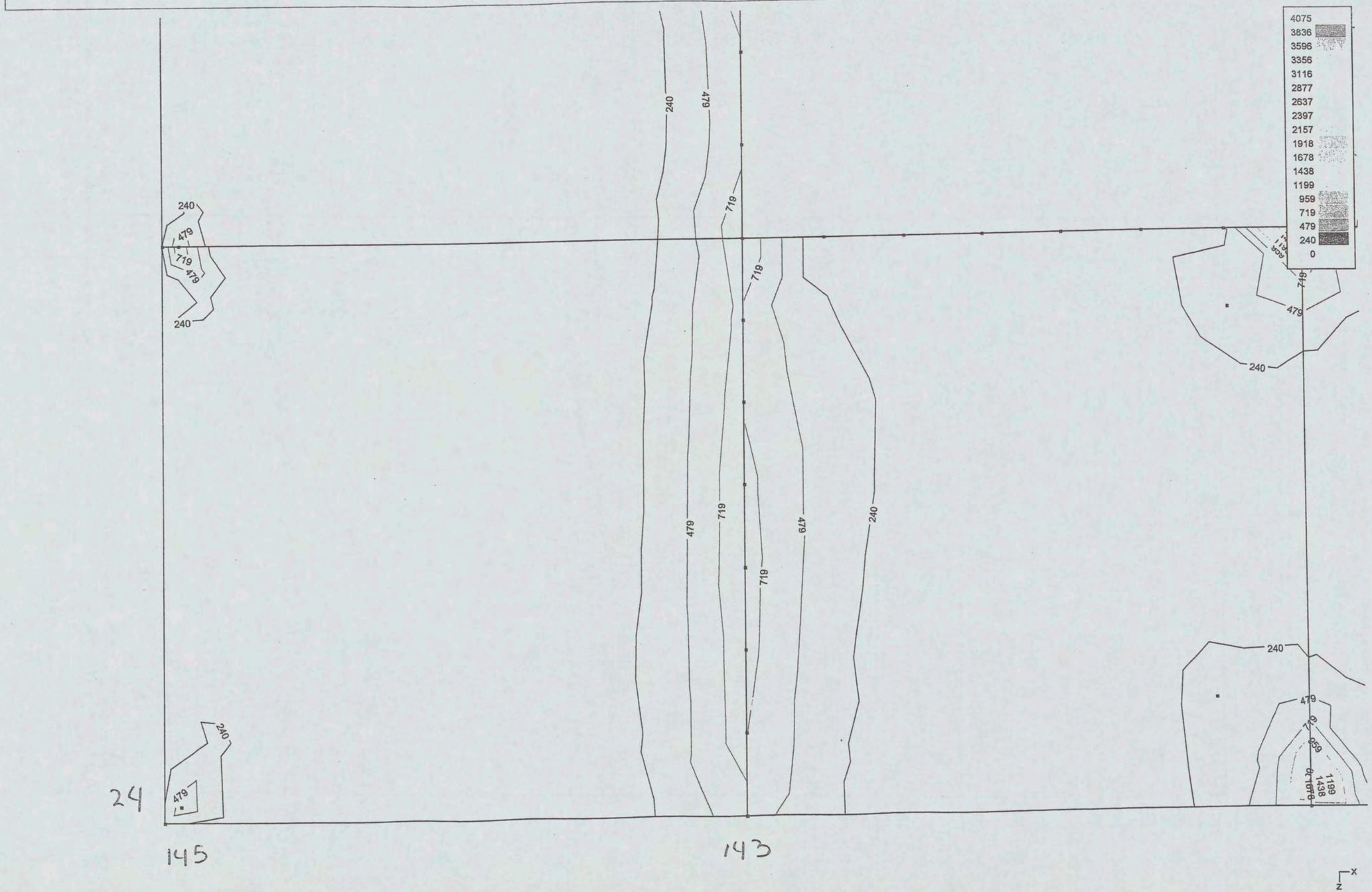
Plot - Bovenwapening // z'-as (mm²/m)



395

B67

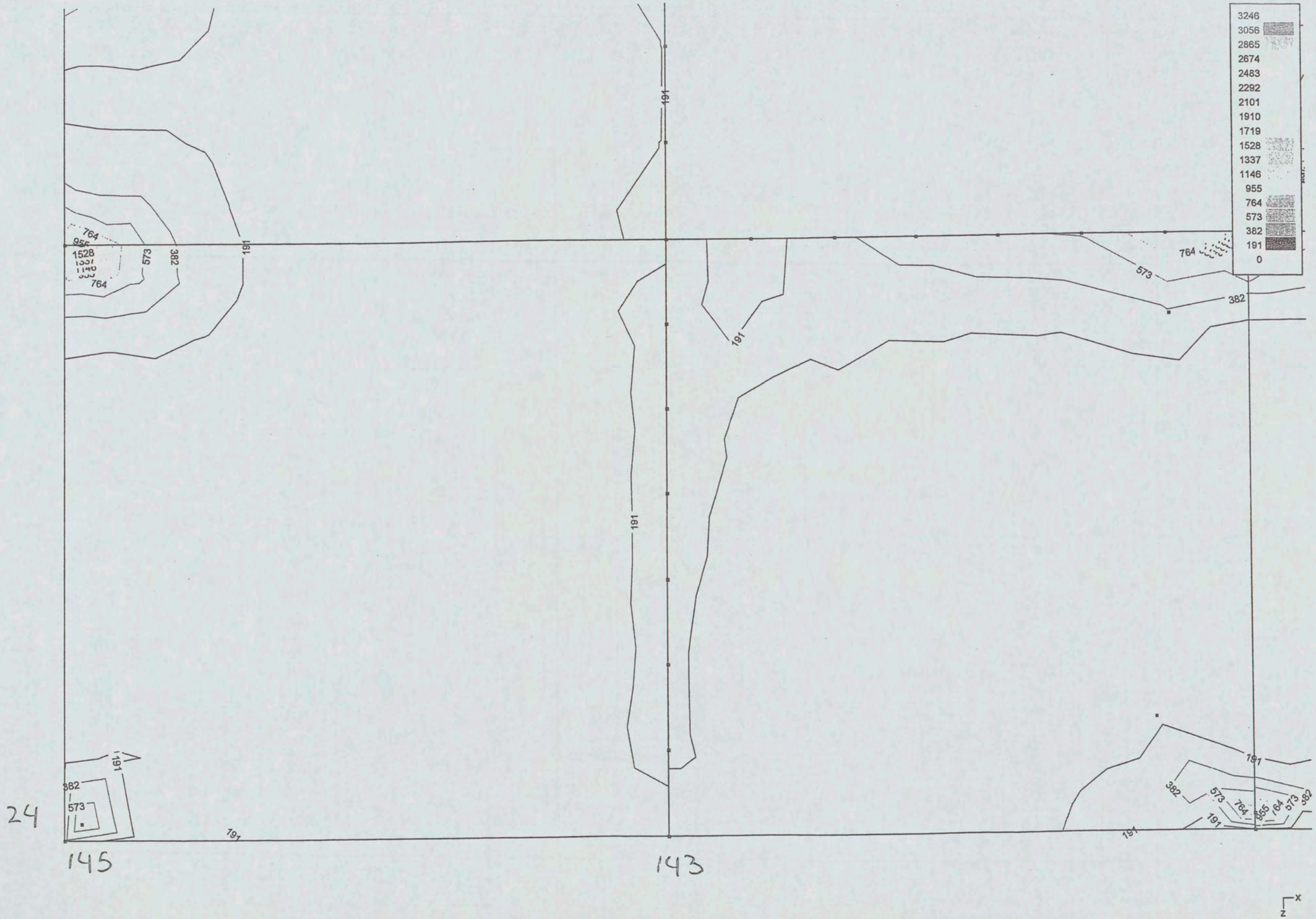
Plot - Bovenwapening // x'-as (mm²/m)



24

B68

Plot - Bovenwapening // z'-as (mm²/m)



24

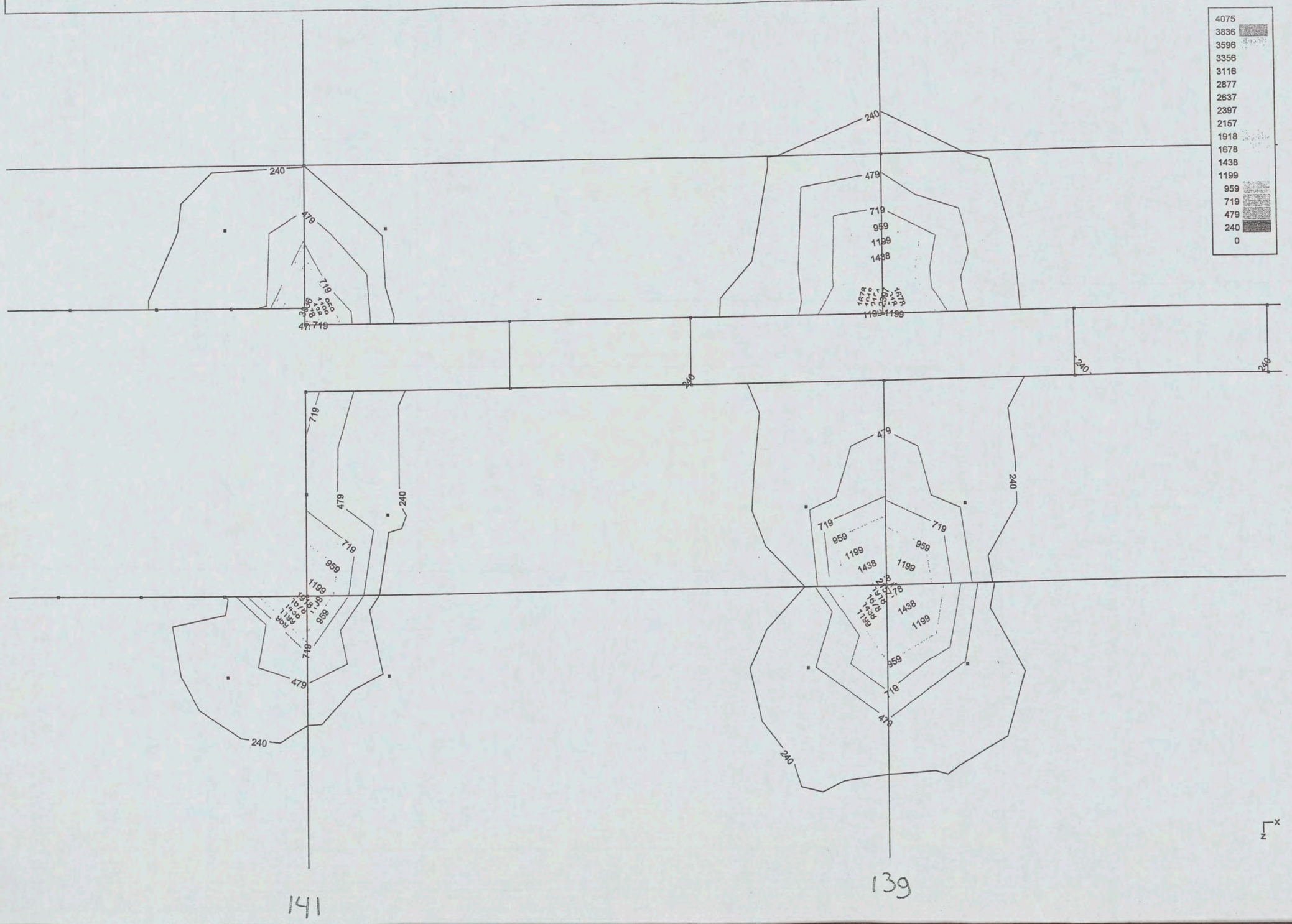
145

143

X
Z

B69

Plot - Bovenwapening // x'-as (mm²/m)



22

141

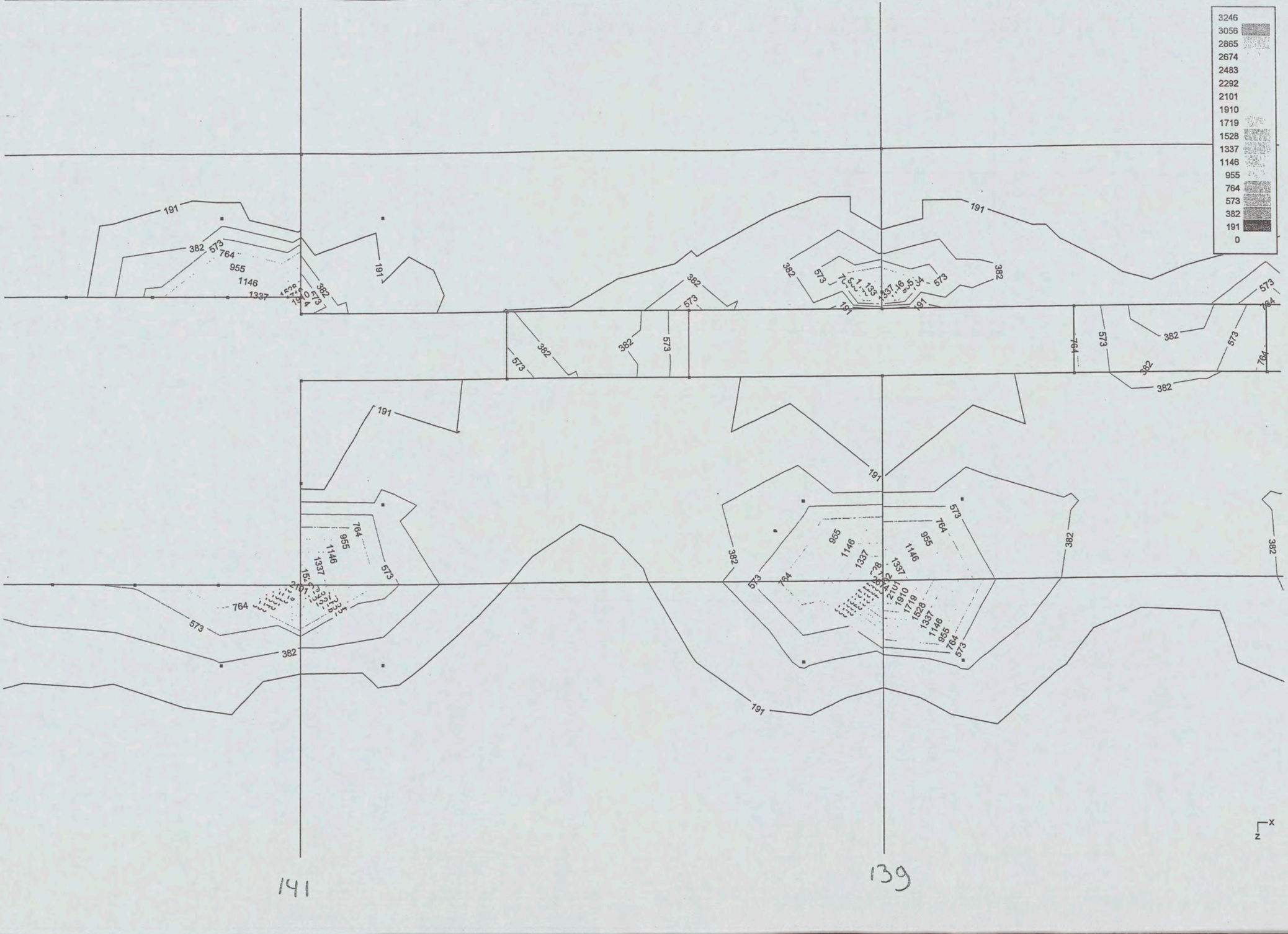
139

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
Arup Engineering Scan Reference Chart TE263 Serial No.
Photo Reference numbers on UTT

395

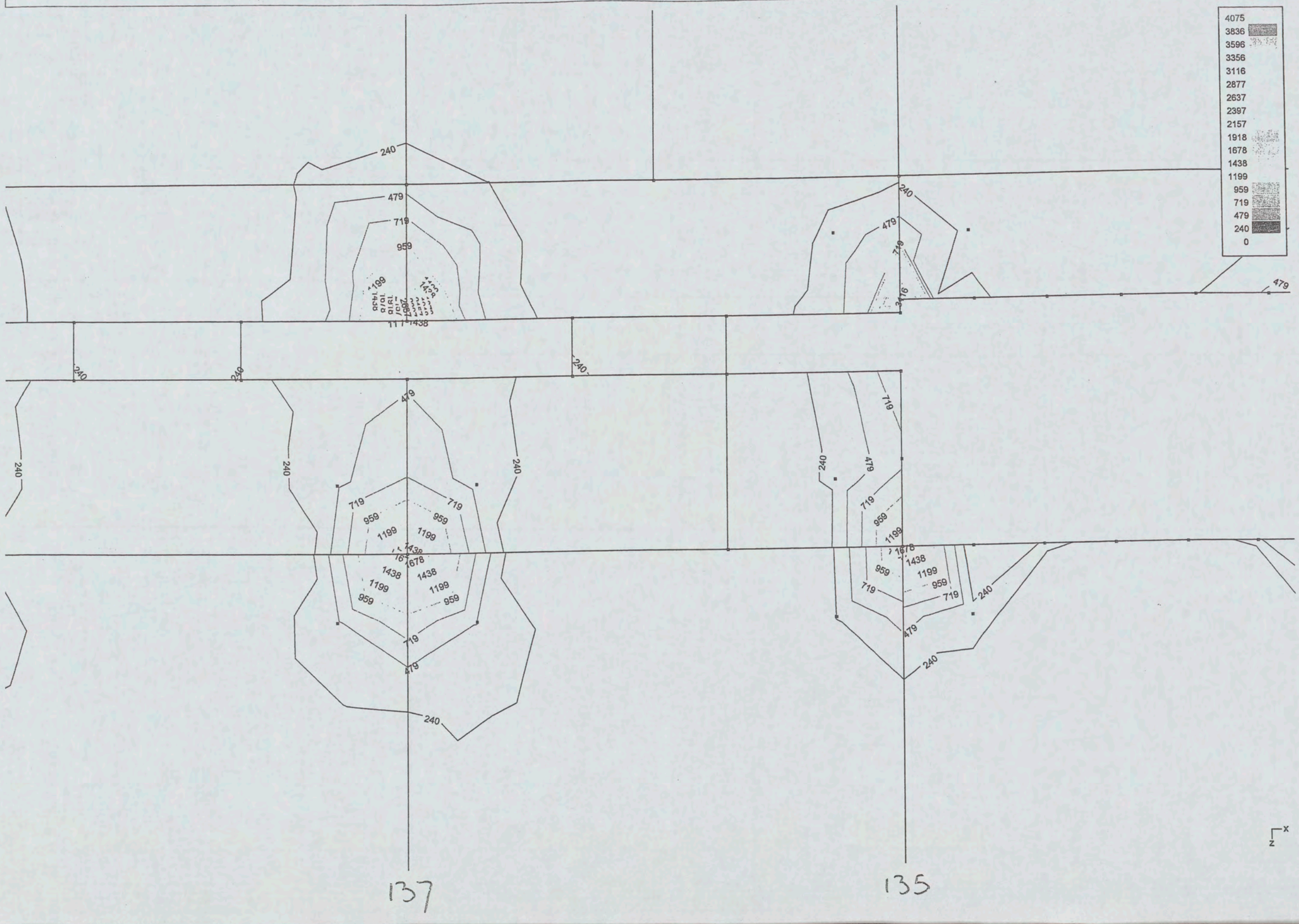
B70

Plot - Bovenwapening // z'-as (mm²/m)



B71

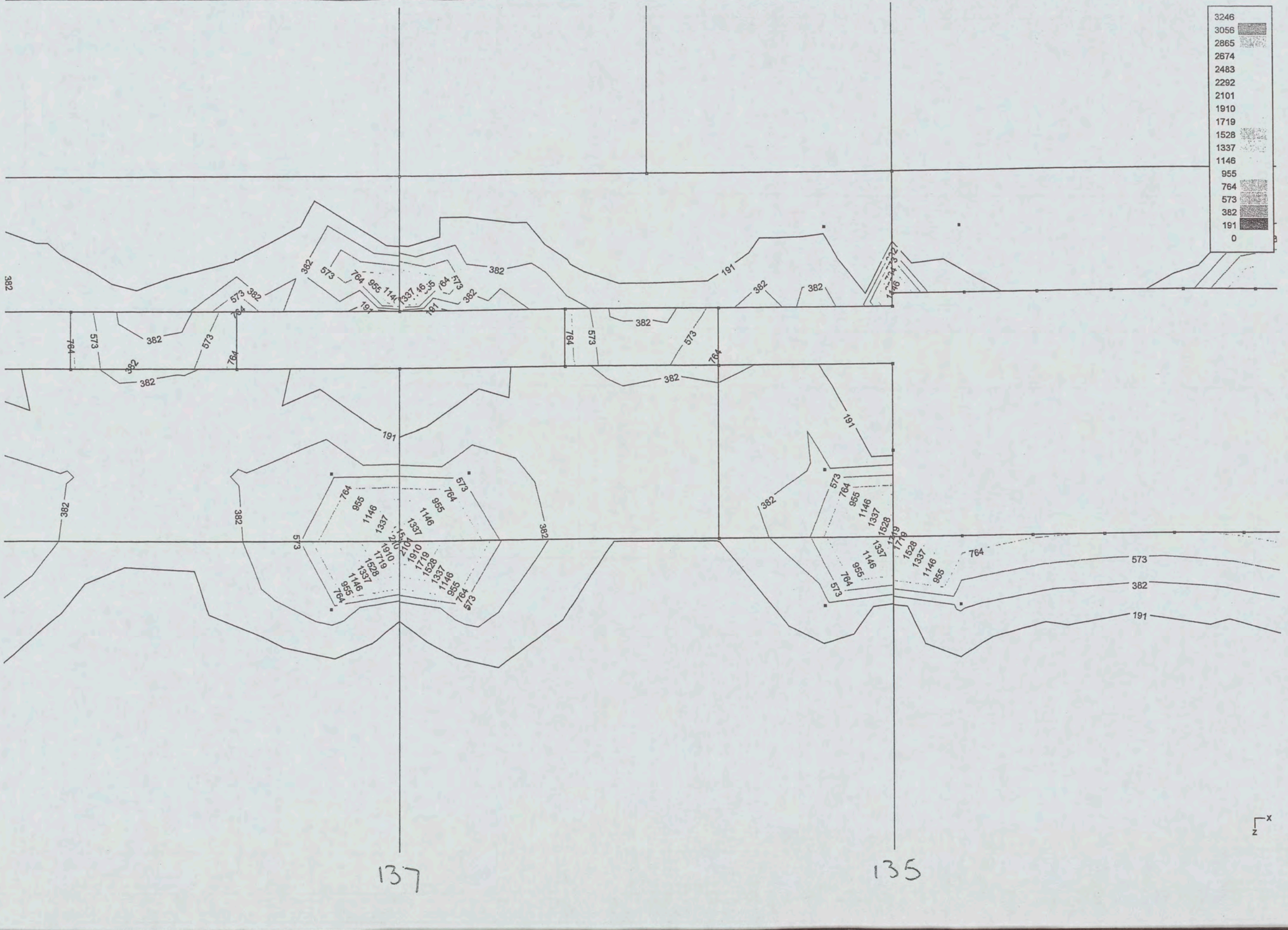
Plot - Bovenwapening // x'-as (mm²/m)



22

B72

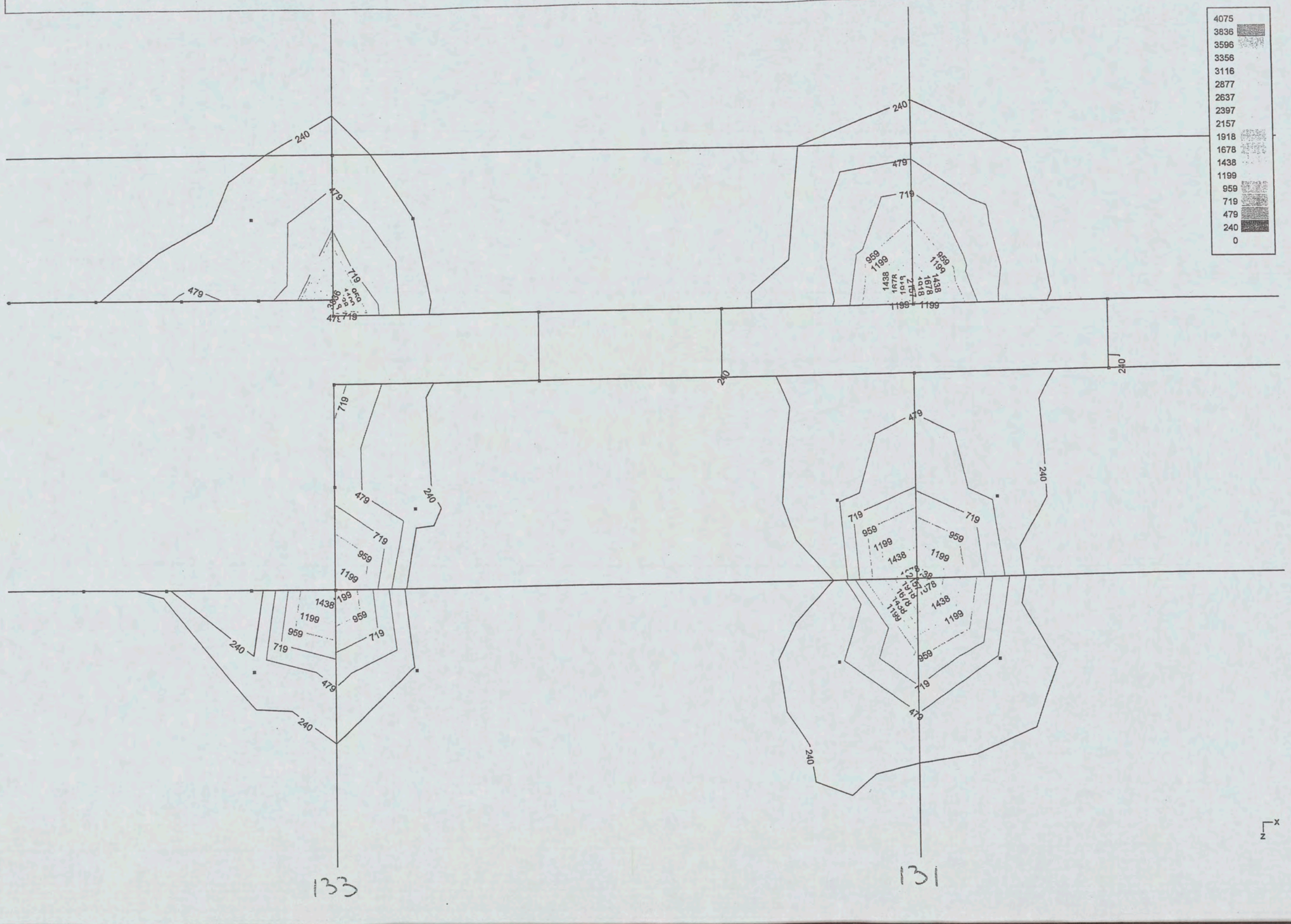
Plot - Bovenwapening // z'-as (mm²/m)



the scale towards document
Patch Reference numbers on UTT
Serial No. 395

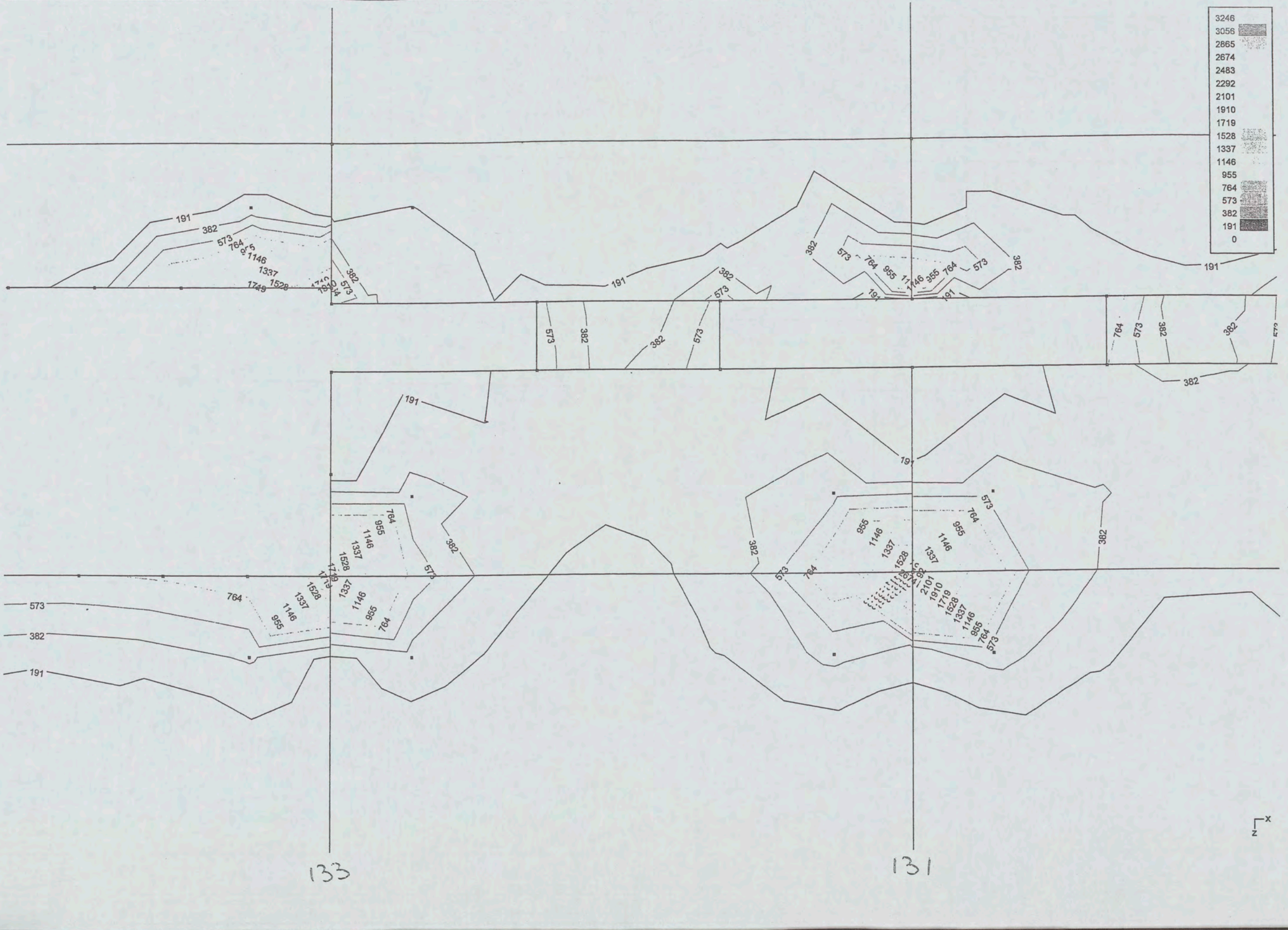
B73

Plot - Bovenwapening // x'-as (mm²/m)



B74

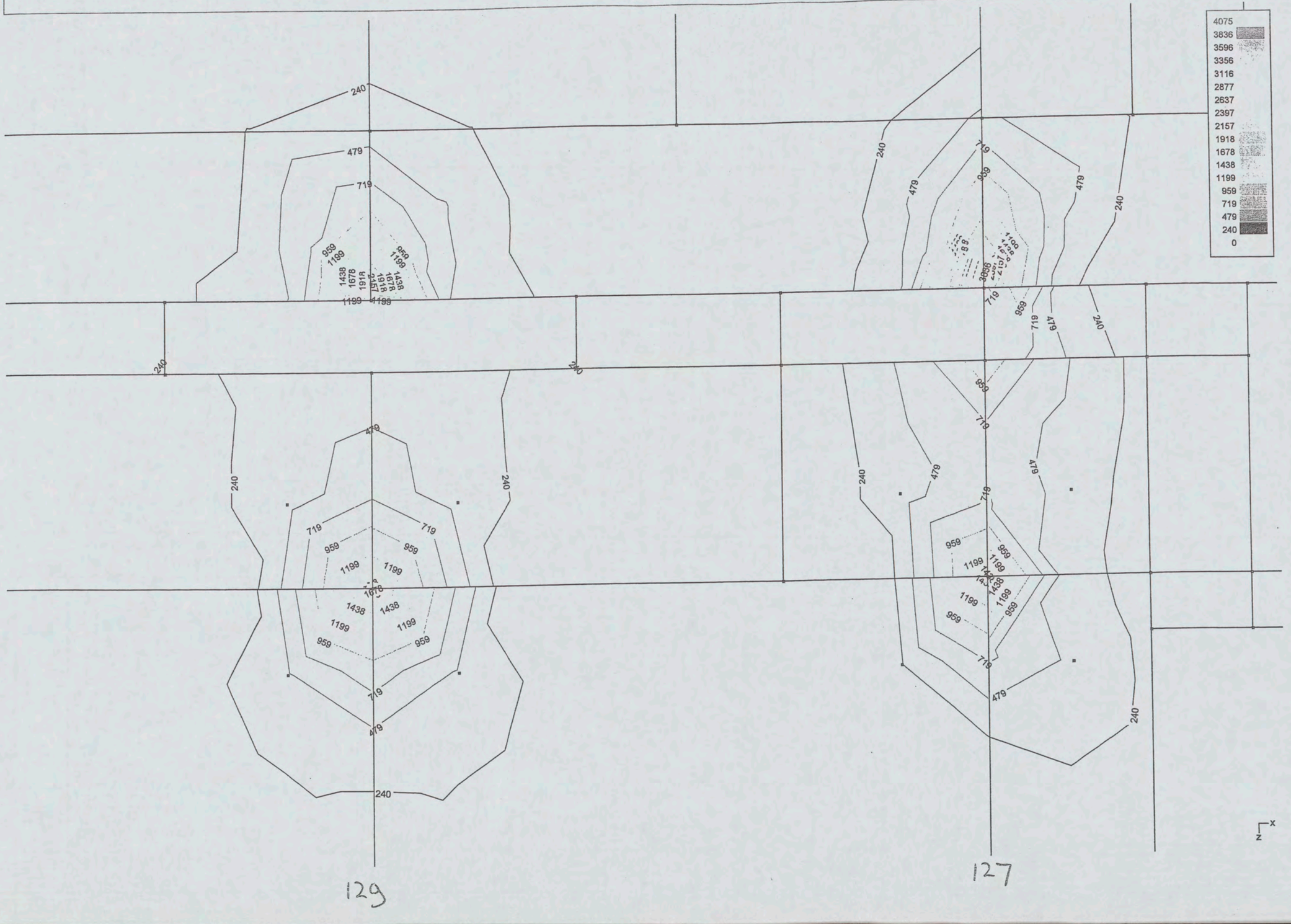
Plot - Bovenwapening // z'-as (mm²/m)



the scale towards document
Image Engineering Scan Reference Chart TE353 Serial No. 395

B75

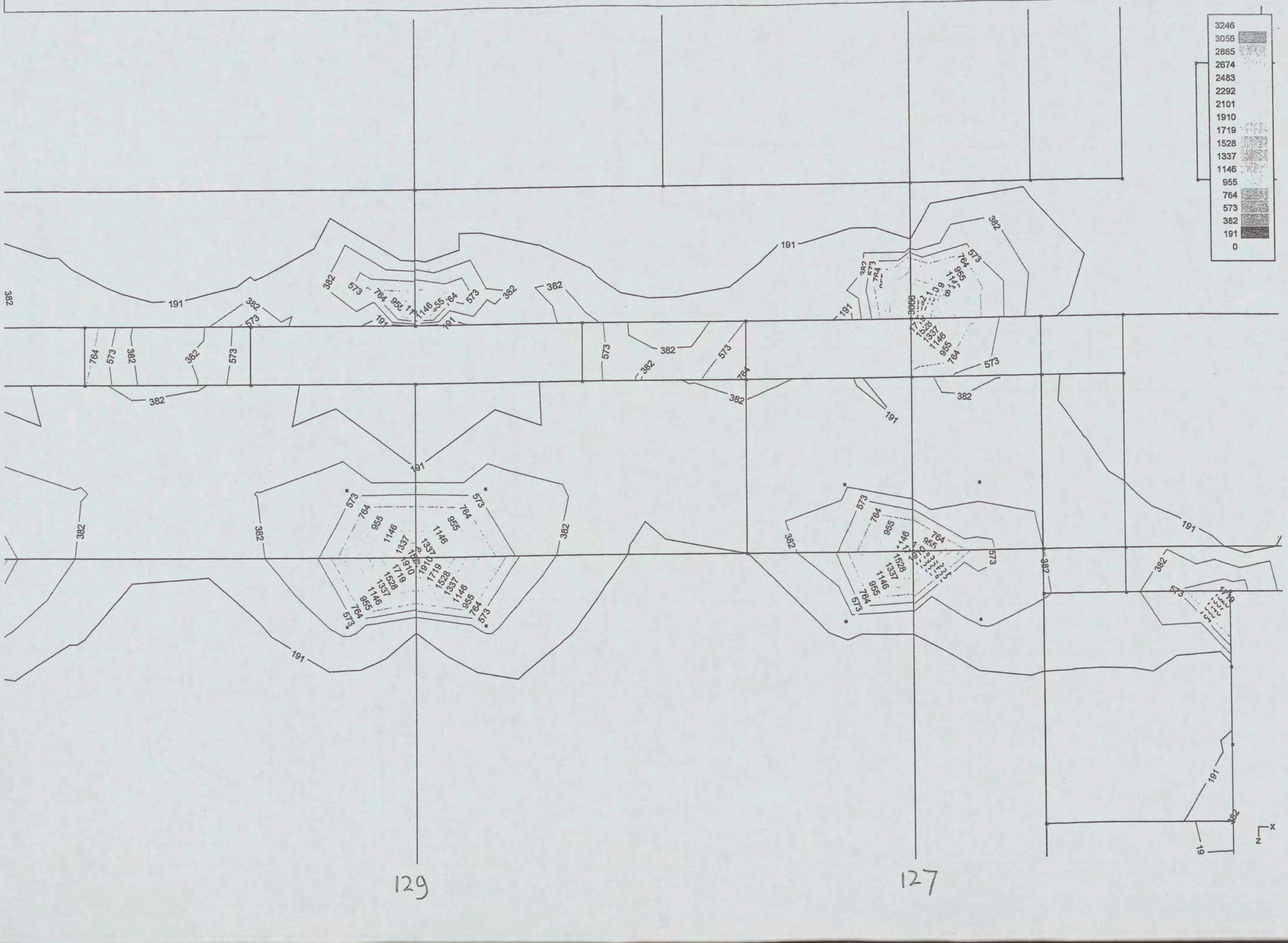
Plot - Bovenwapening // x'-as (mm²/m)



the scale towards document
C1 B1 A1 C2 B2 A2 B5 A5 20 18 17 16 11
10 09 03 02
C8 B8 A8 C9 B9 A7 C7 01 02 03
Serial No. 395

B76

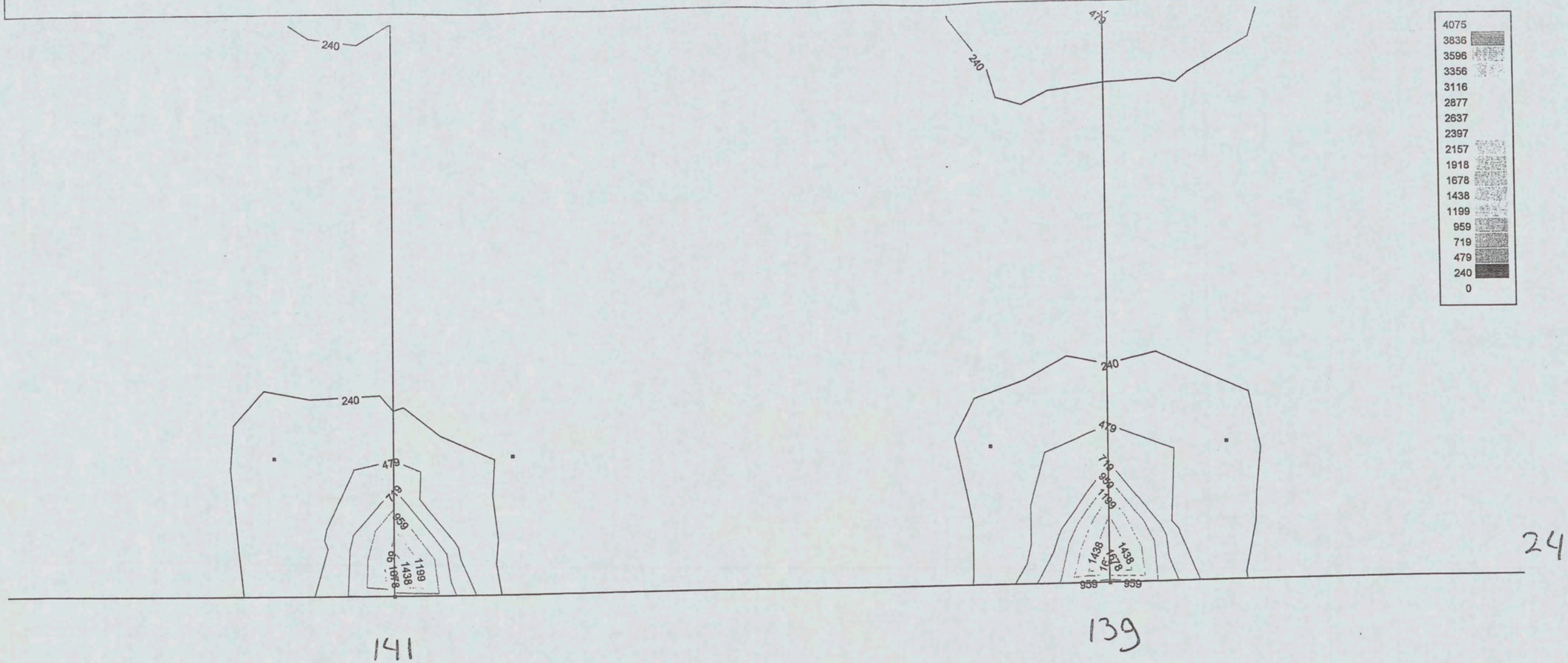
Plot - Bovenwapening // z'-as (mm²/m)



01 C7 B7 A7 C8 B8 A8 C9 B9
10 09 03 02 01 C7
C1 B1 A1 C2 B2 A5 B5 20 18 17 16 11
the scale towards document
Pitch Reference numbers on UTI
Serial No. 395

B77

Plot - Bovenwapening // x'-as (mm²/m)



24

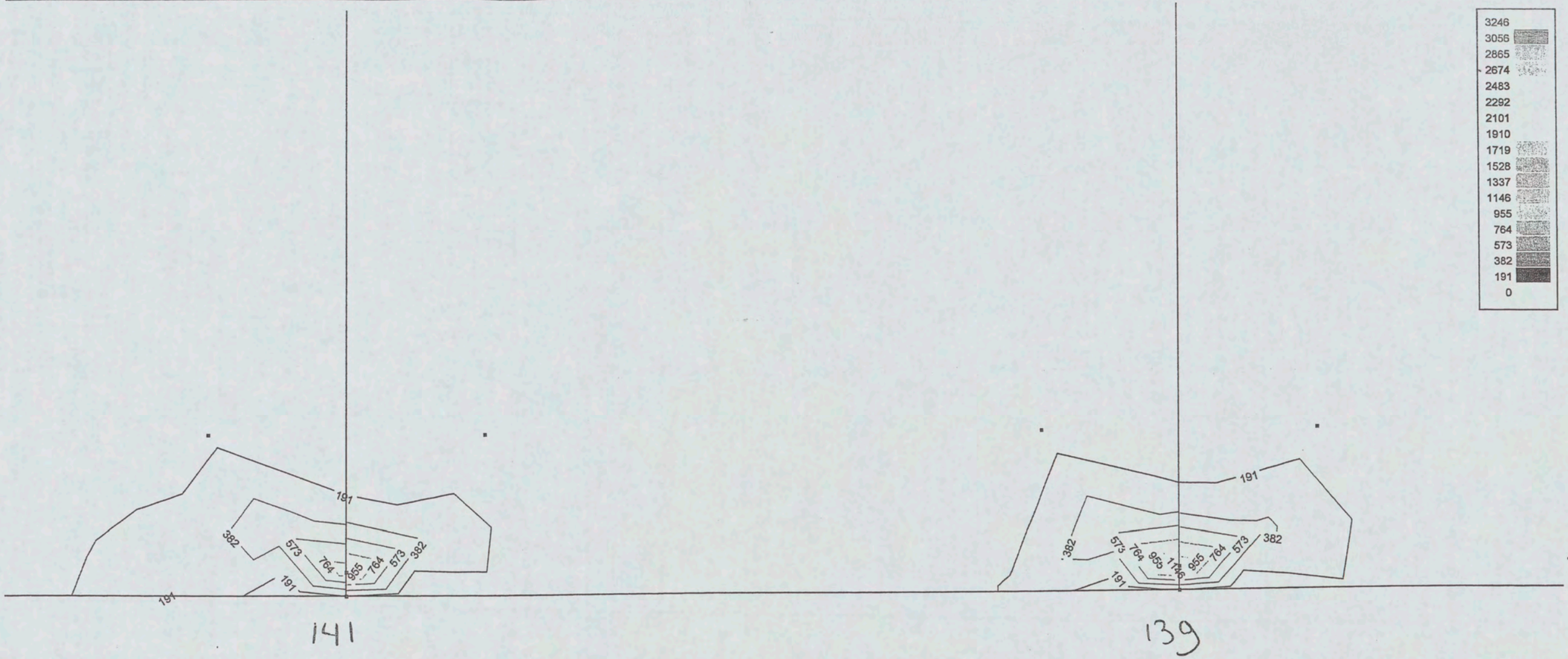
141

139

the scale towards document
Image Engineering Scan Reference Chart TE263 Serial No. 395
Patch References conform to ISO7

B78

Plot - Bovenwapening // z'-as (mm²/m)



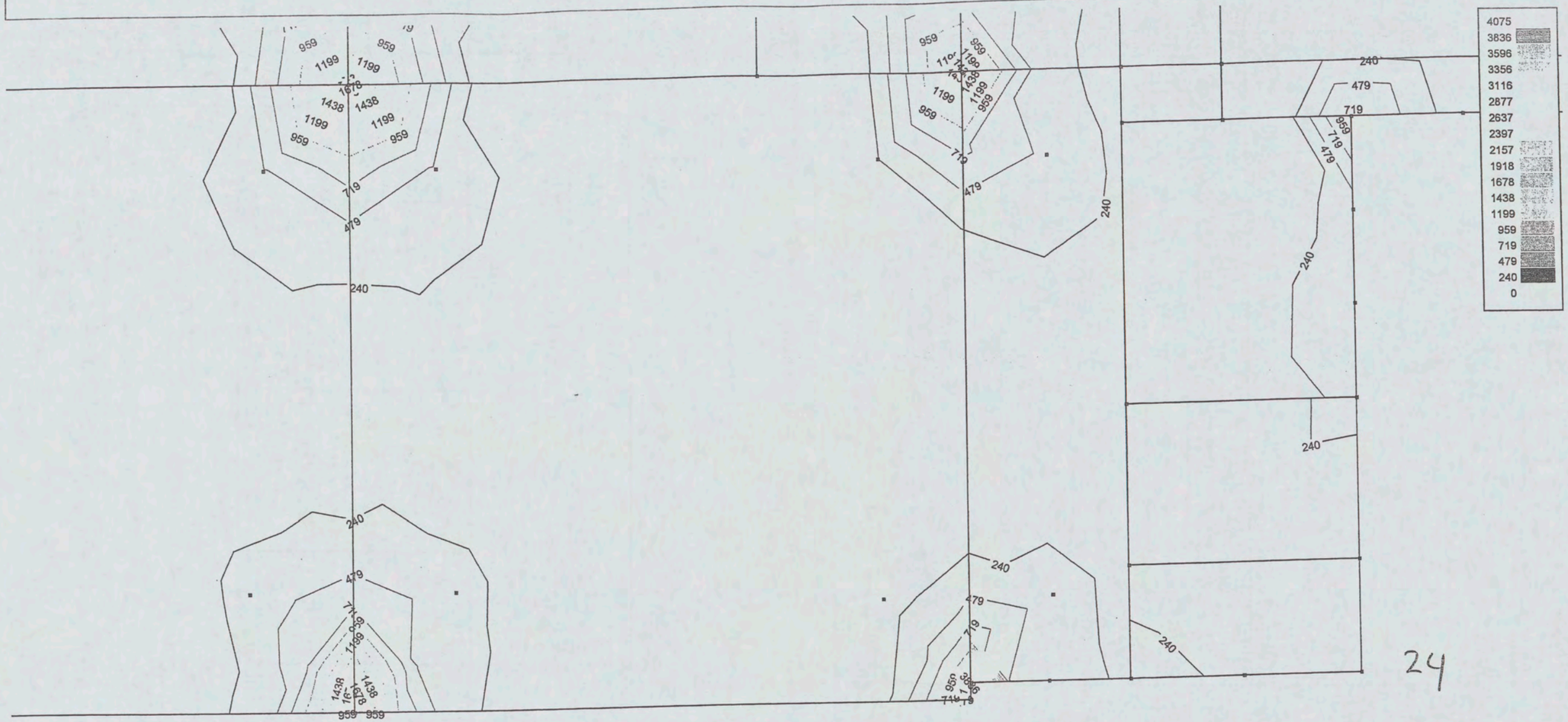
24

X
Z

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
the scale towards document
Patch Reference numbers on UTI
Serial No. 395

B79

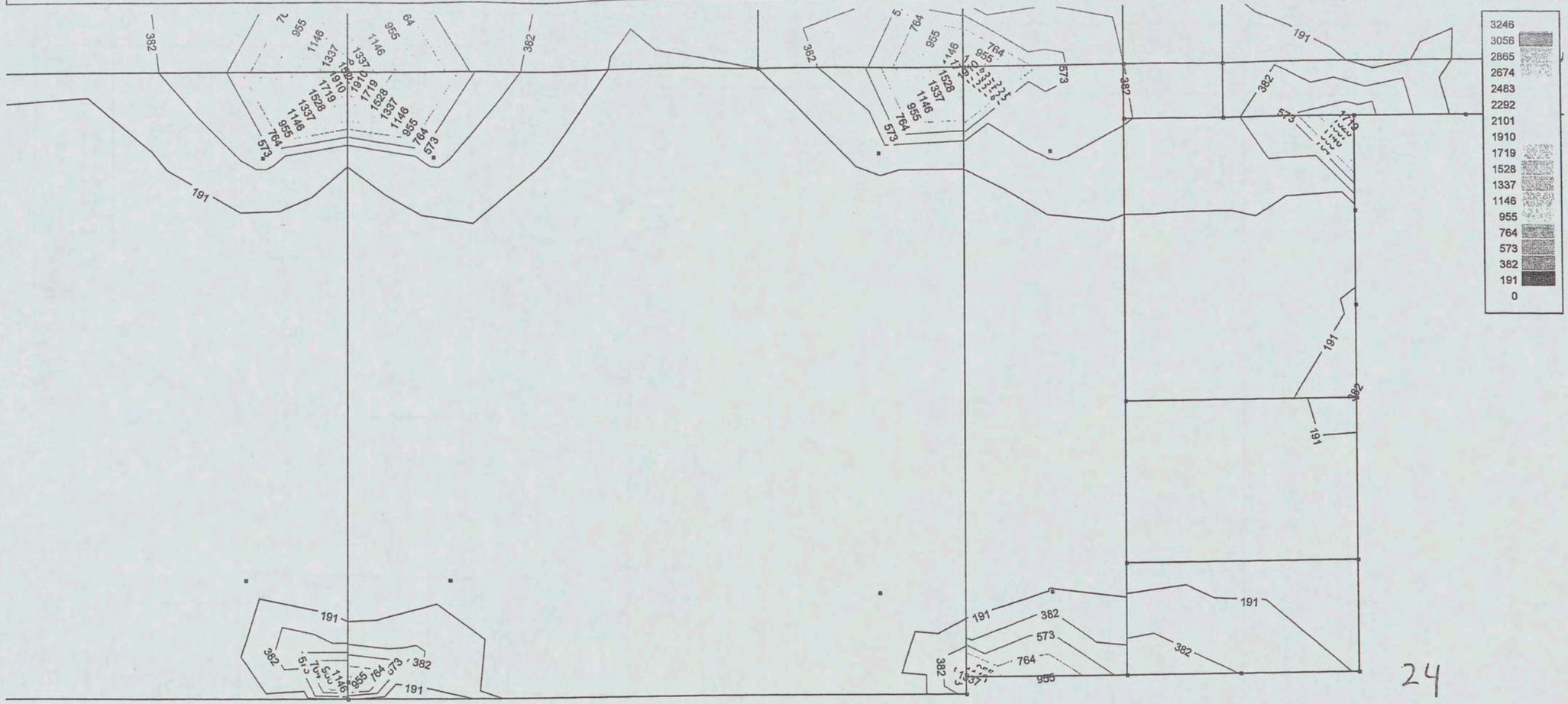
Plot - Bovenwapening // x'-as (mm²/m)



the scale towards document
Image Engineering Scan Reference Chart TE263 Serial No. 395

B80

Plot - Bovenwapening // z'-as (mm²/m)



127

24

the scale towards document
Patch Reference numbers on UFI
Serial No. 395

B81

: Plot - Bovenwapening // x'-as (mm²/m)

4075
3836
3596
3356
3116
2877
2637
2397
2157
1918
1678
1438
1199
959
719
479
240
0

127

125

19

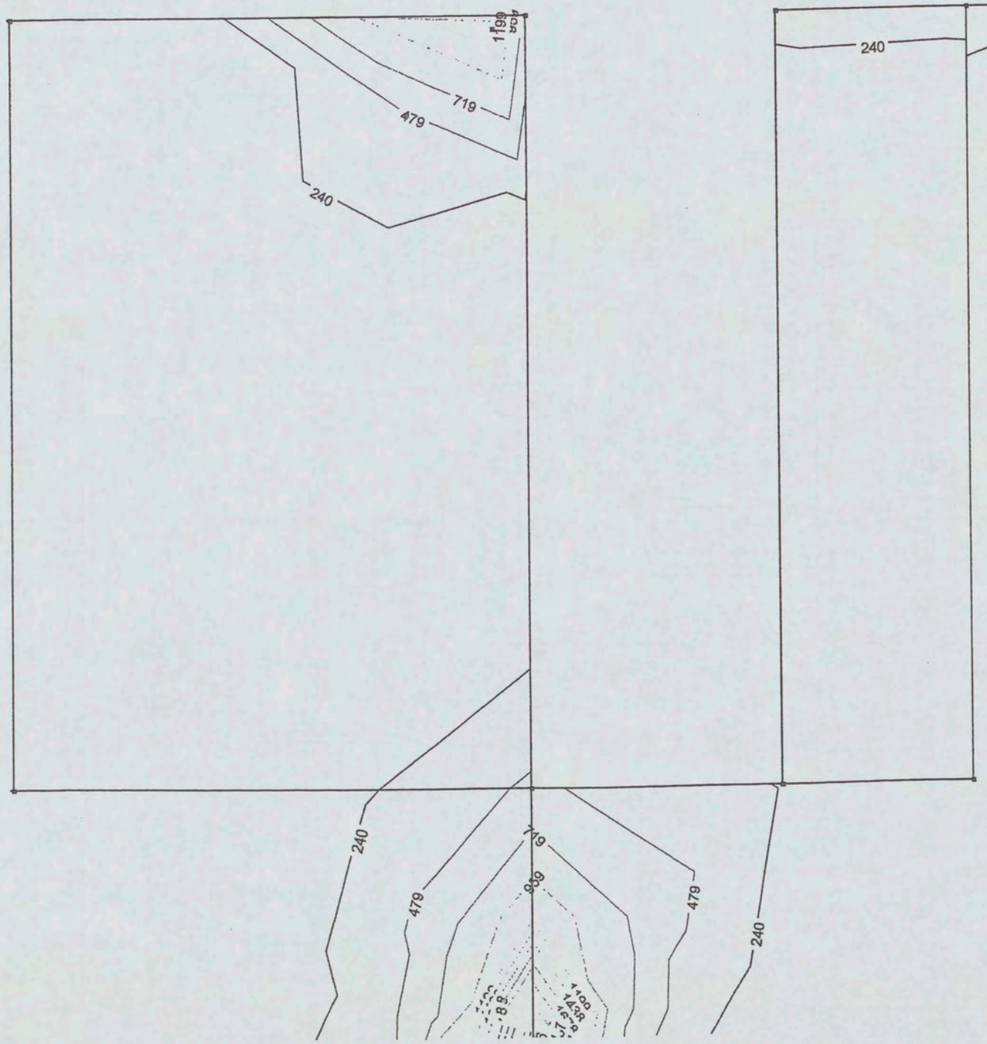


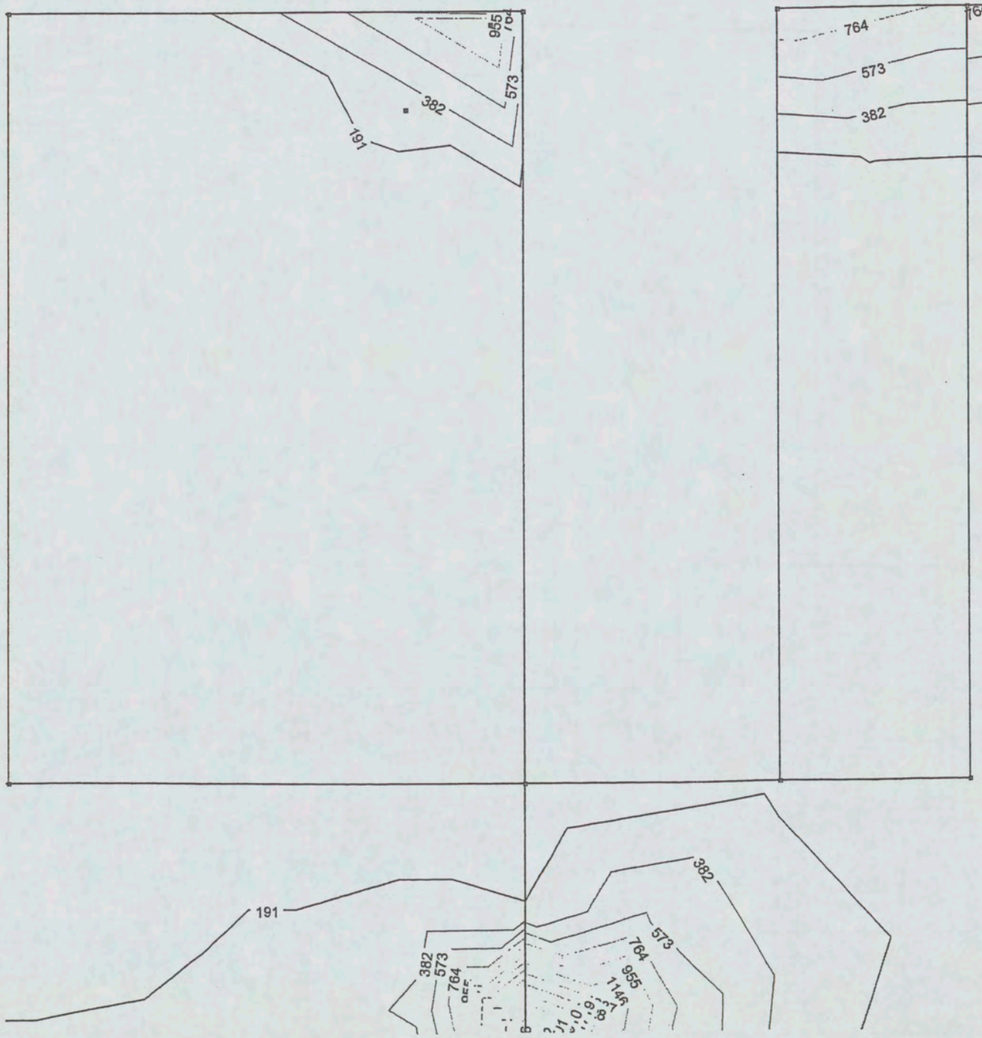
Image Engineering Scan Reference Chart TE263 Serial No. 395
Patch Reference conditions per ISO 12641
the scale towards document
C1 B1 A1 C2 B2 A2 B5 A5 20 18 17 16 11
10 09 03 02 01 C7 B7 A7 C8 B8 A8 C9 B9

B82

Plot - Bovenwapening // z'-as (mm²/m)

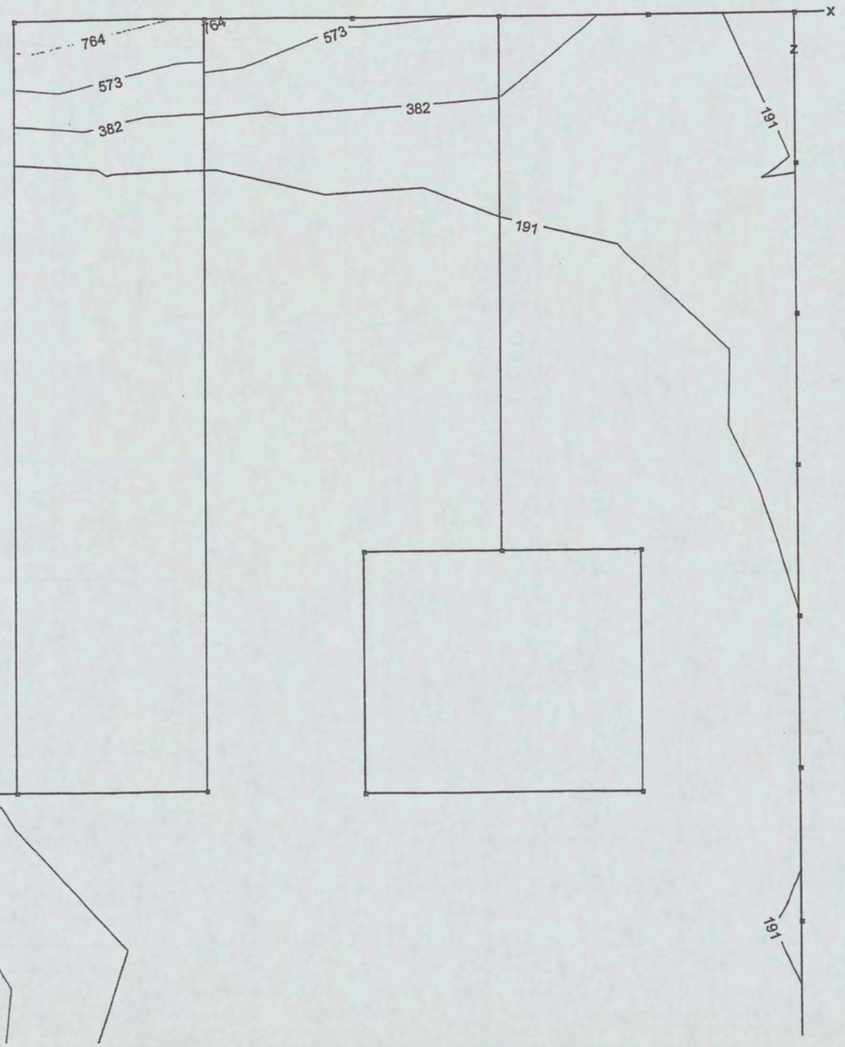


127



125

19



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
Serial No.

395

B83

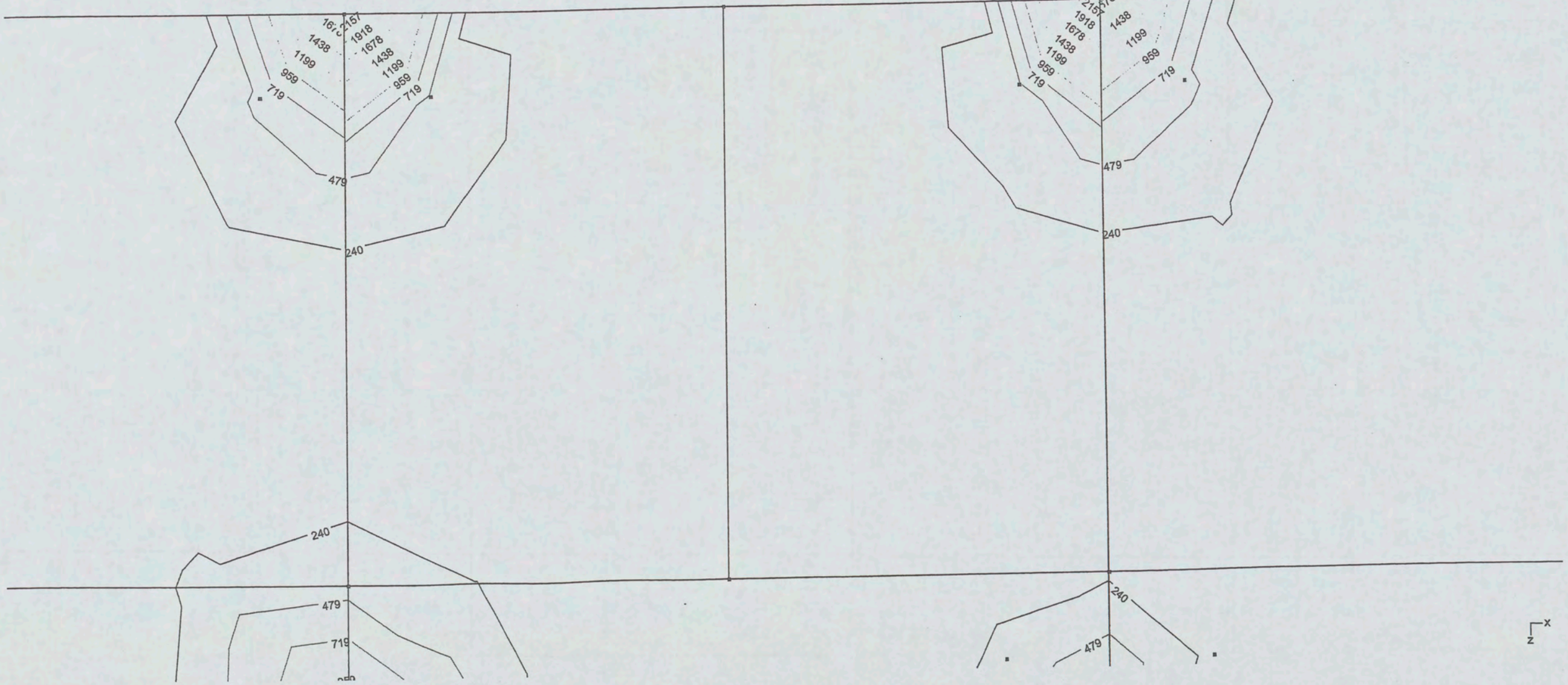
Plot - Bovenwapening // x'-as (mm²/m)

4075
3836
3596
3356
3116
2877
2637
2397
2157
1918
1678
1438
1199
959
719
479
240
0

137

135

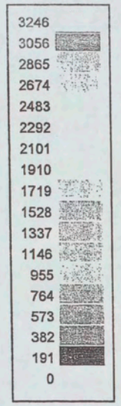
19



the scale towards document
Image Engineering Scan Reference Chart TE263 Serial No. 395
Patch Reference numbers on LUT1

B84

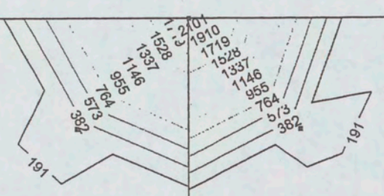
Plot - Bovenwapening // z'-as (mm²/m)

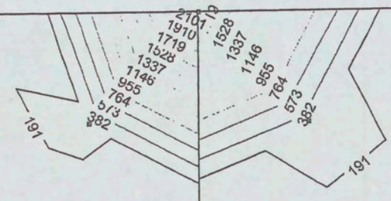


137

135

19









X
Z

the scale towards document
Inch
mm
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
Serial No.

395

B85

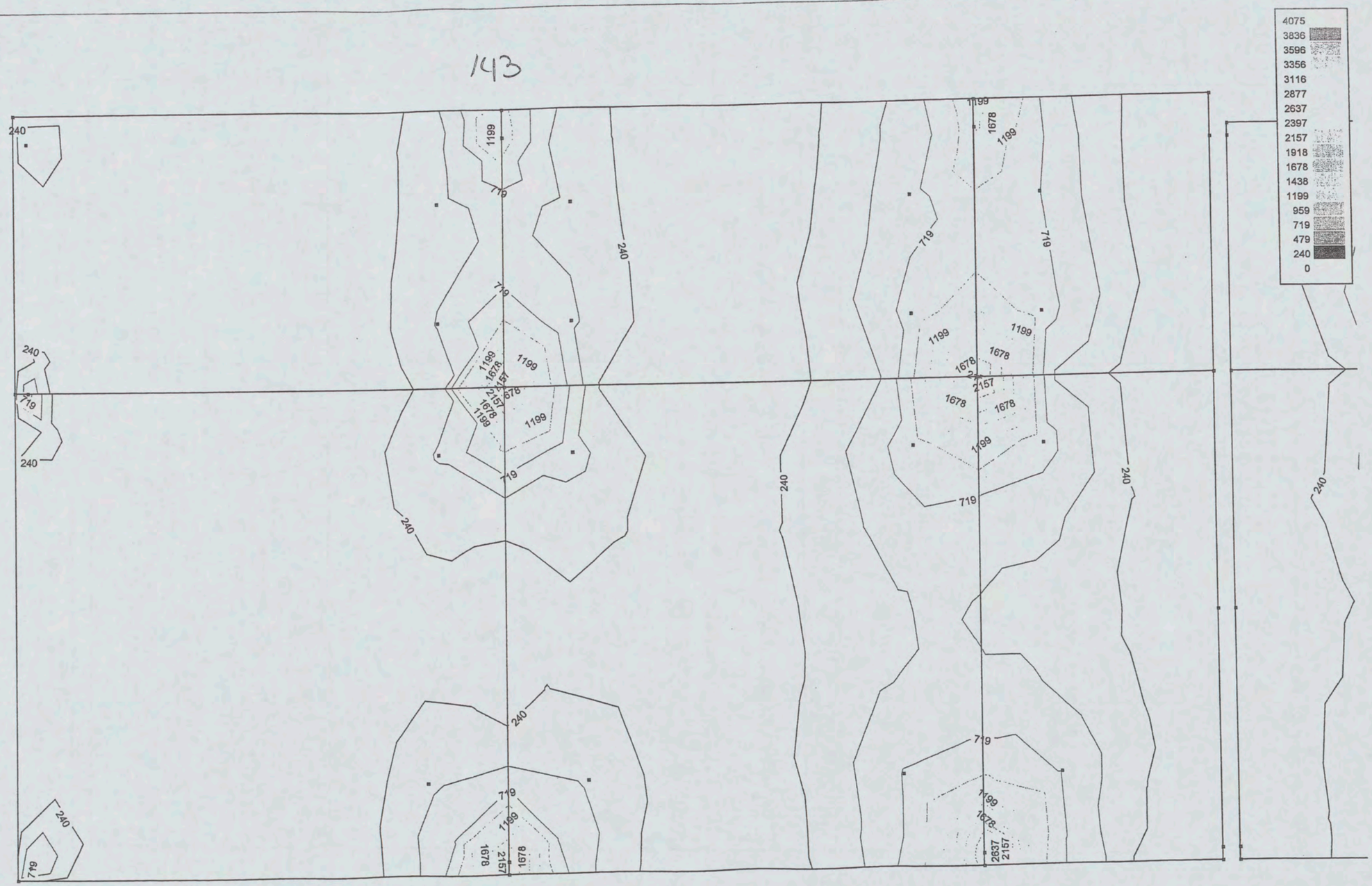
Plot - Bovenwapening // x'-as (mm²/m)

143

32

33

35



395

B86

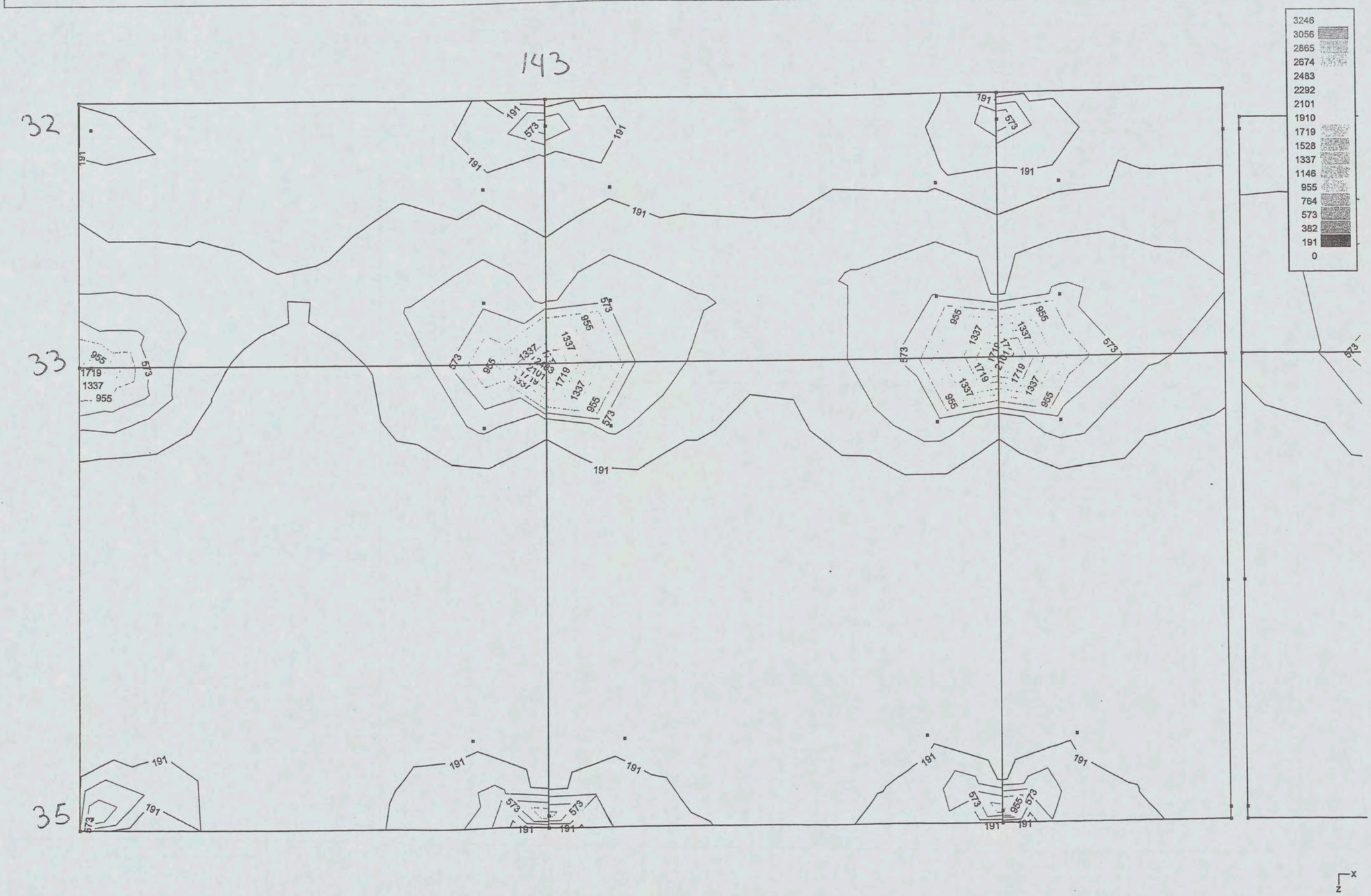
Plot - Bovenwapening // z'-as (mm²/m)

143

32

33

35



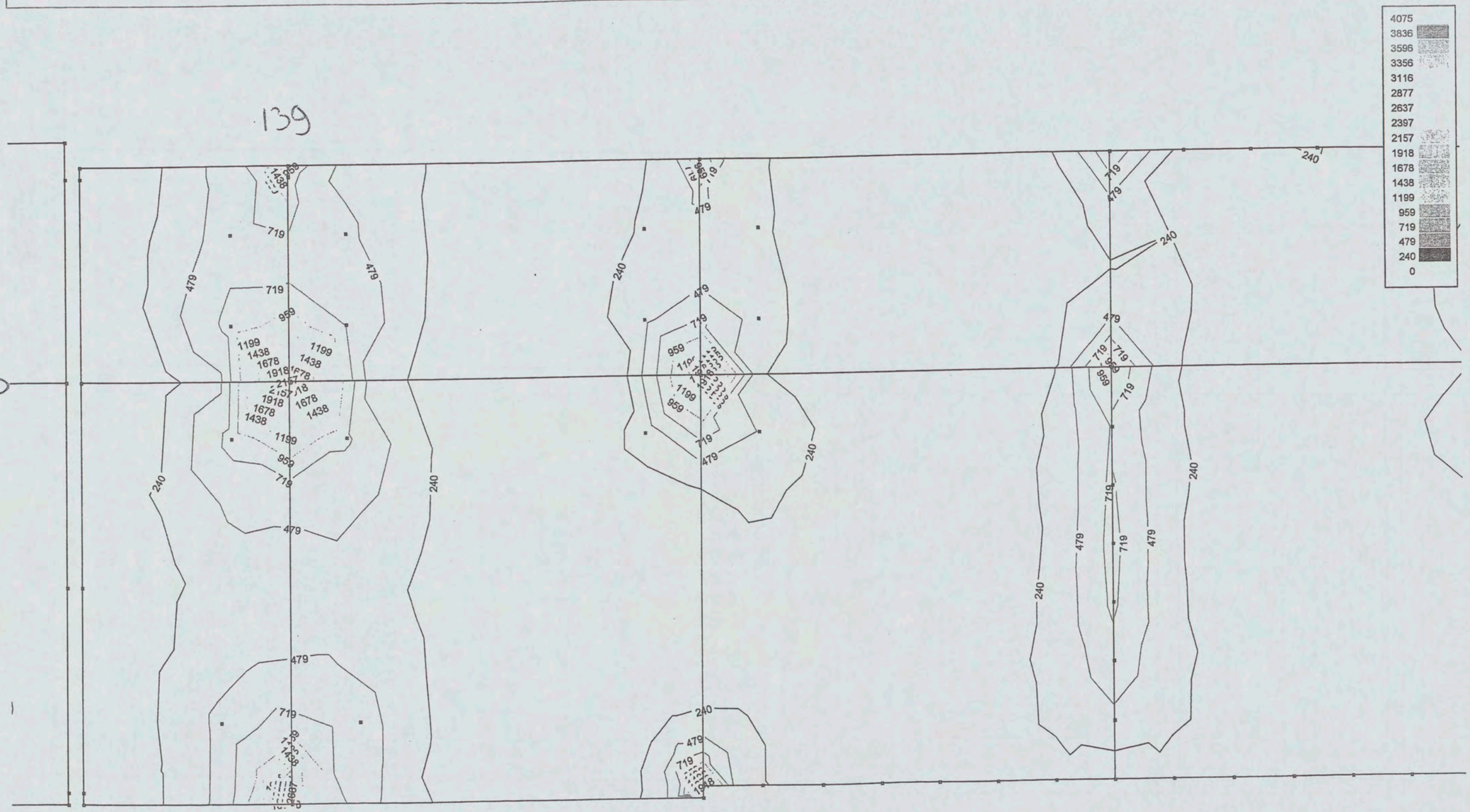
the scale towards document
Patch Reference numbers on UFT
Serial No. 395

B87

Plot - Bovenwapening // x'-as (mm²/m)

139

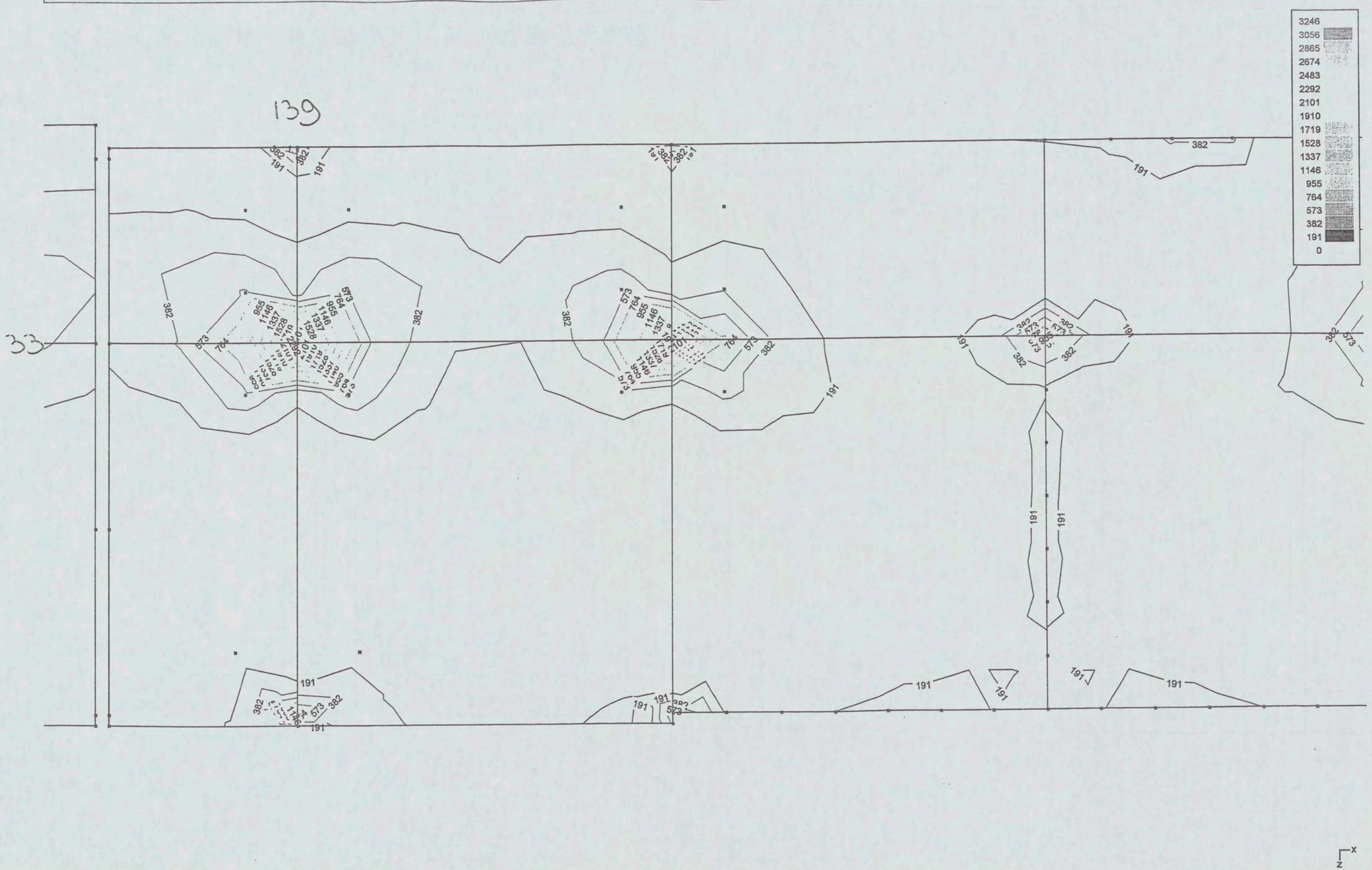
33



395

B88

Plot - Bovenwapening // z'-as (mm²/m)



395

B89

Plot - Bovenwapening // x'-as (mm²/m)

133

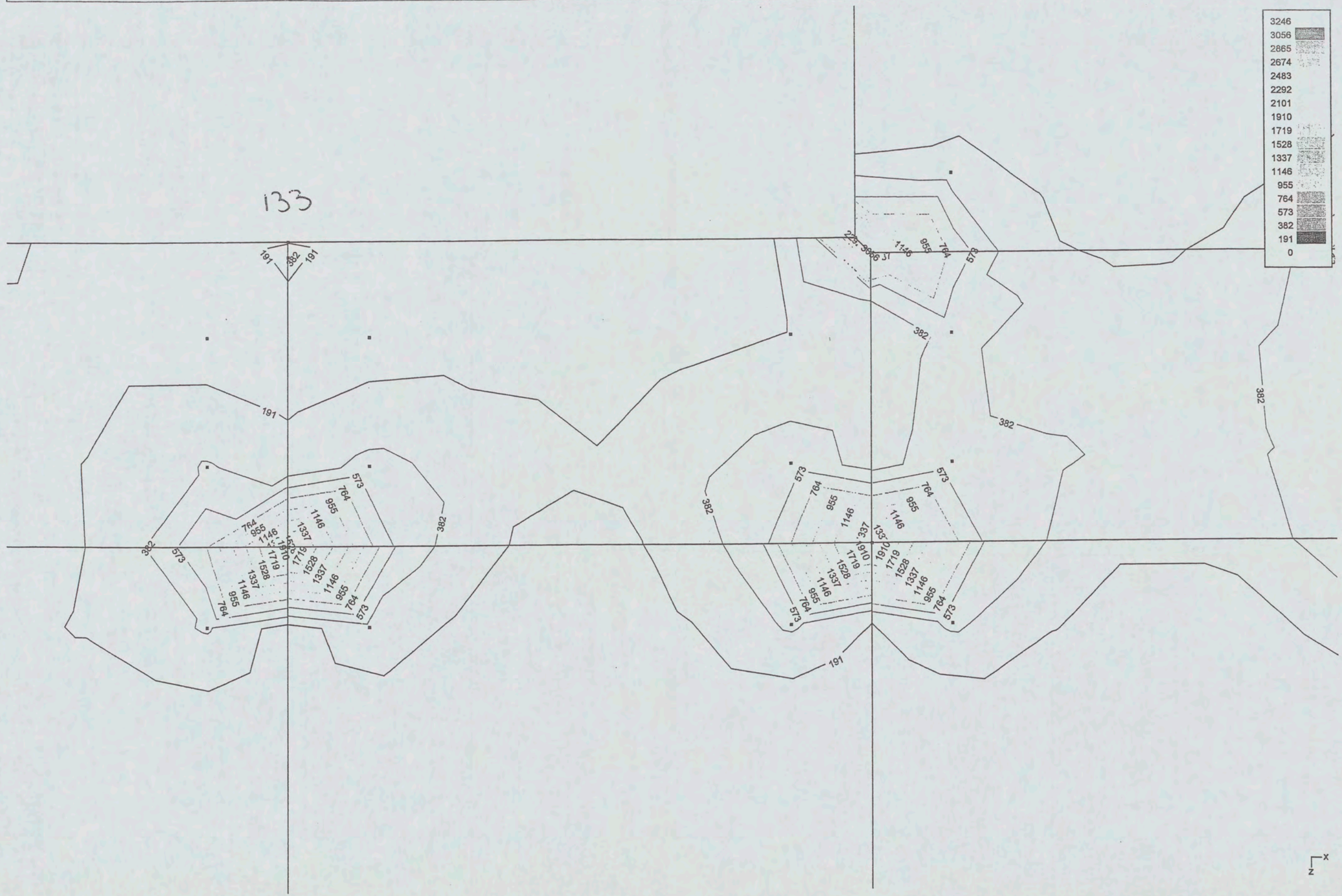
4075
3836
3596
3356
3116
2877
2637
2397
2157
1918
1678
1438
1199
959
719
479
240
0

33

x
z

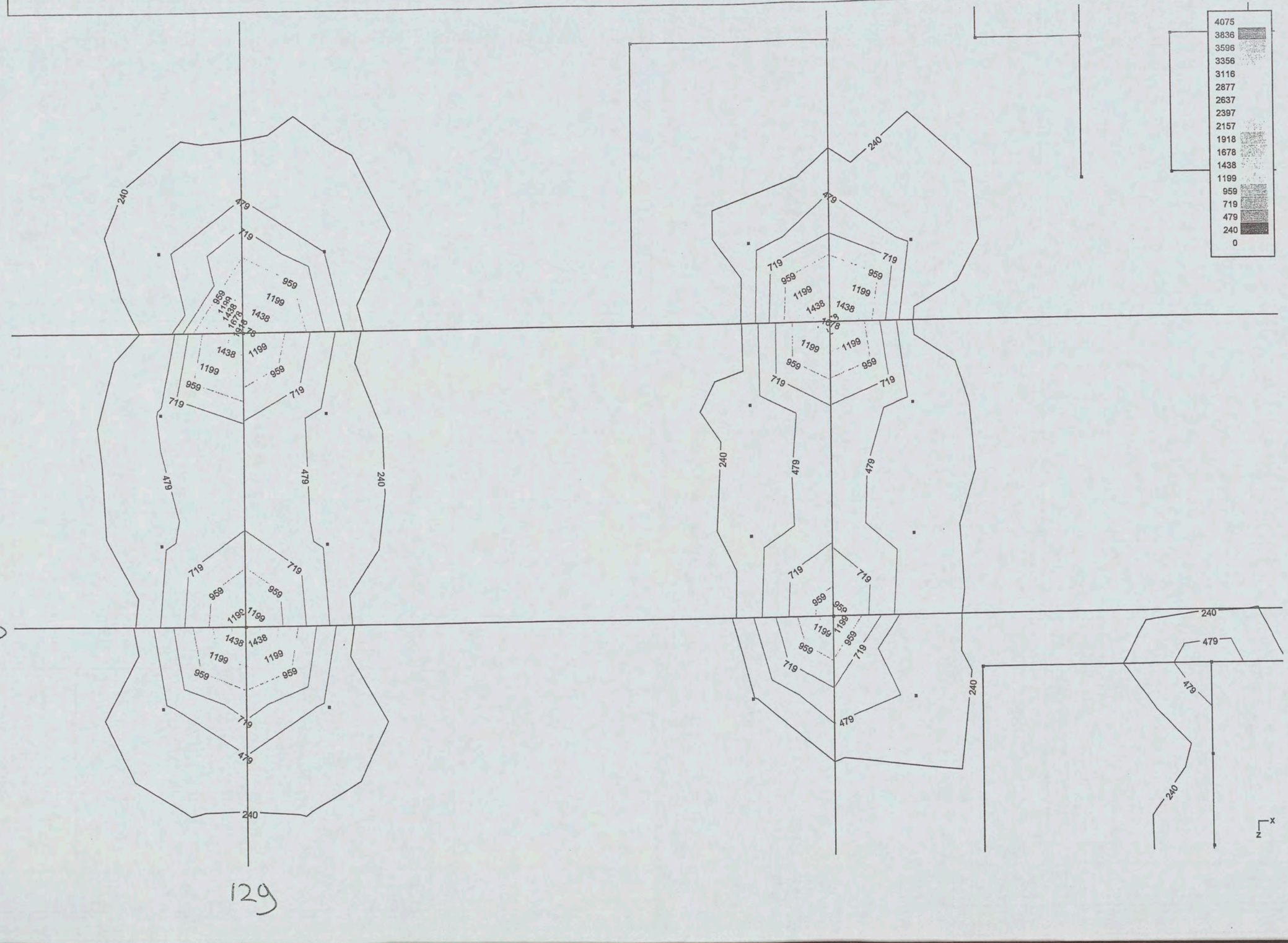
B90

Plot - Bovenwapening // z'-as (mm²/m)



B91

Plot - Bovenwapening // x'-as (mm²/m)

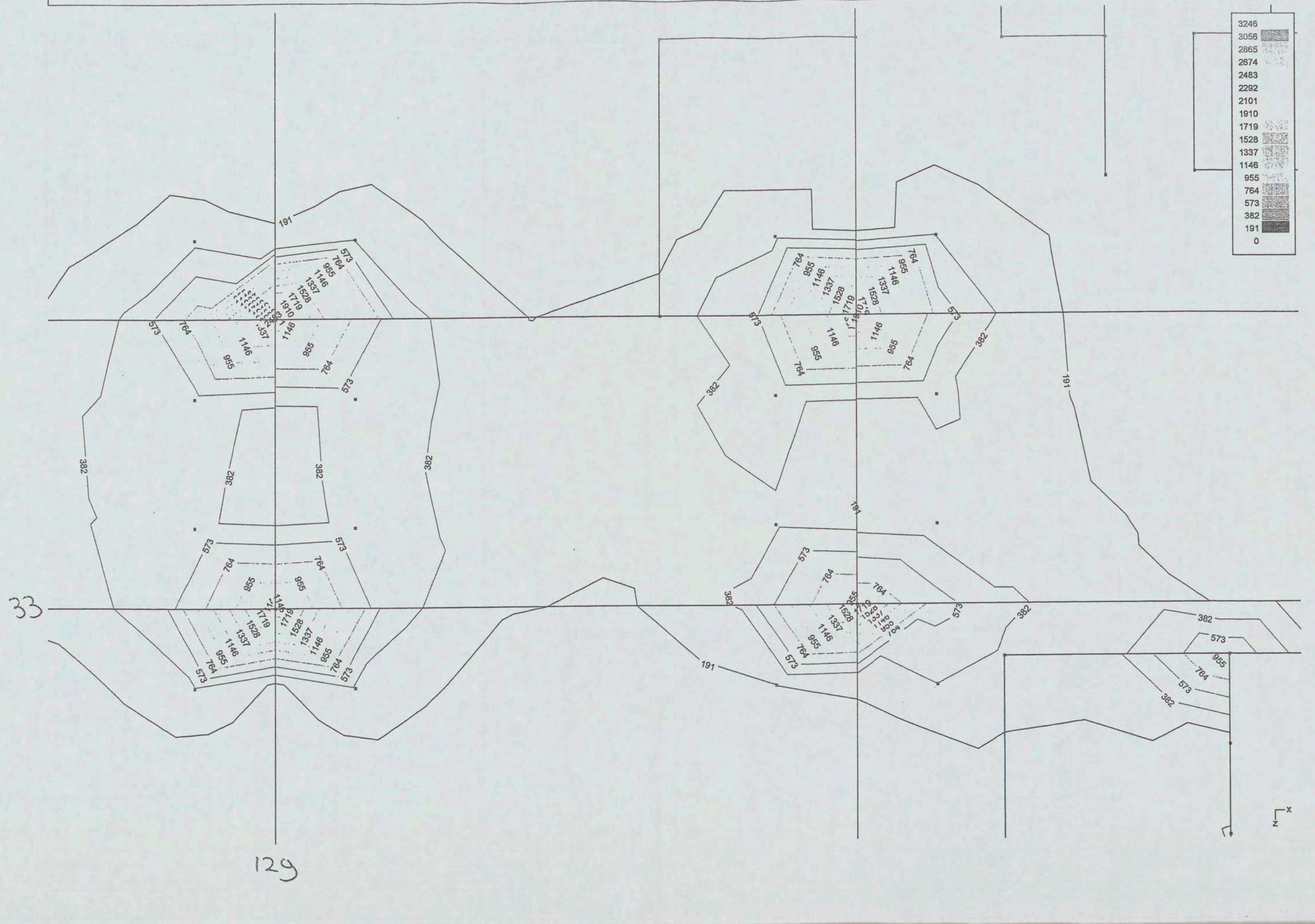


the scale towards document
C1 B1 A1 C2 B2 A2 B5 A5 20 18 17 16 11
10 09 03 02 01 C7 B7 A7 C8 B8 A8 C9 B9
Image Engineering Scan Reference Chart TE263 Serial No.

395

B92

Plot - Bovenwapening // z'-as (mm²/m)



the scale towards document
Patch Reference numbers on UTI
Serial No. 395

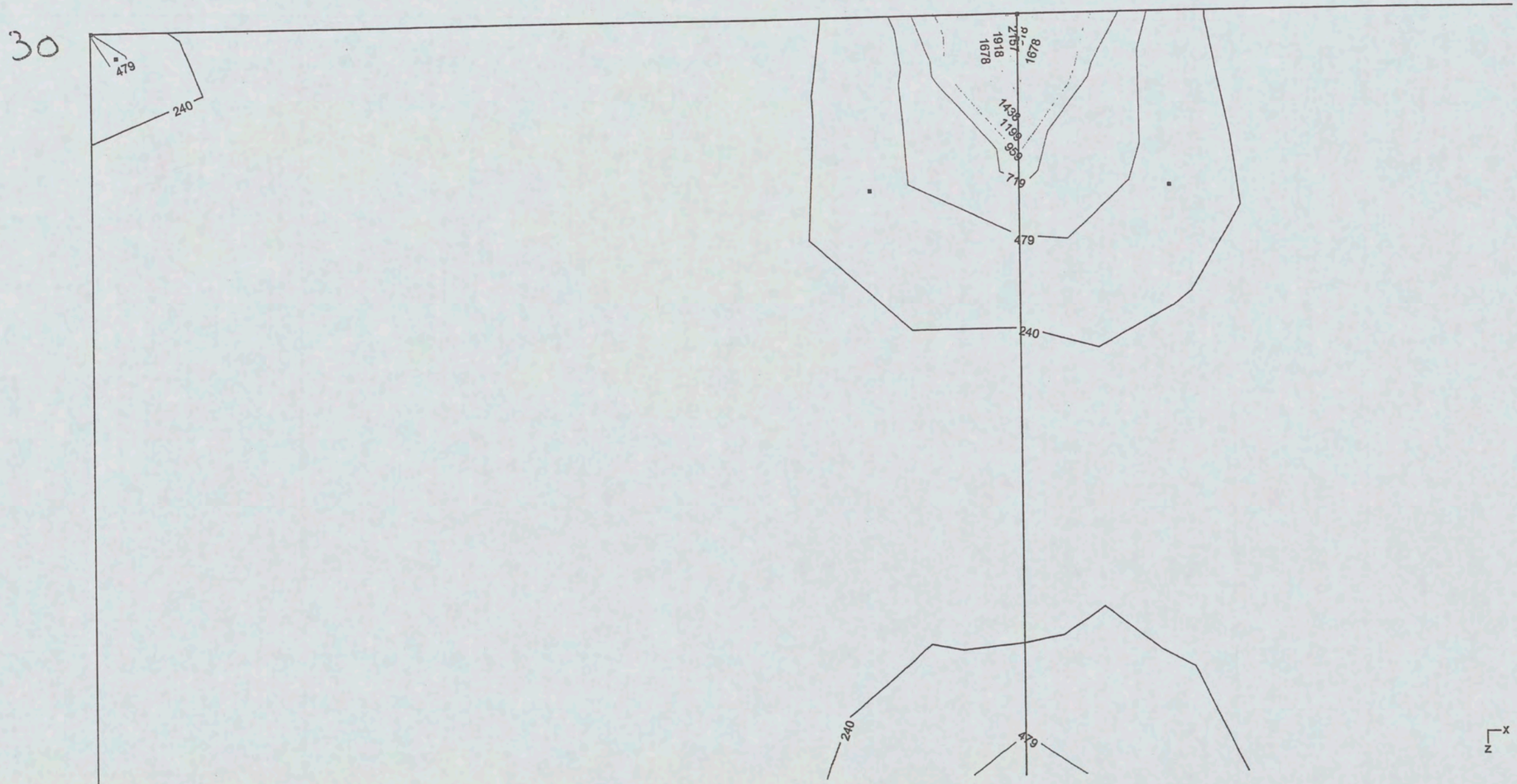
B93

Plot - Bovenwapening // x'-as (mm²/m)

4075
3836
3596
3356
3116
2877
2637
2397
2157
1918
1678
1438
1199
959
719
479
240
0

131

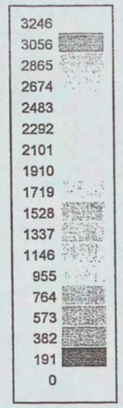
30



the scale towards document
C1 B1 A1 C2 B2 A5 B5 A2 20 18 17 16 11
10 09 03 02
C7 B7 A7 C8 B8 A8 C9 B9
01 02 03
Print Reference numbers on UTI
Serial No. 395

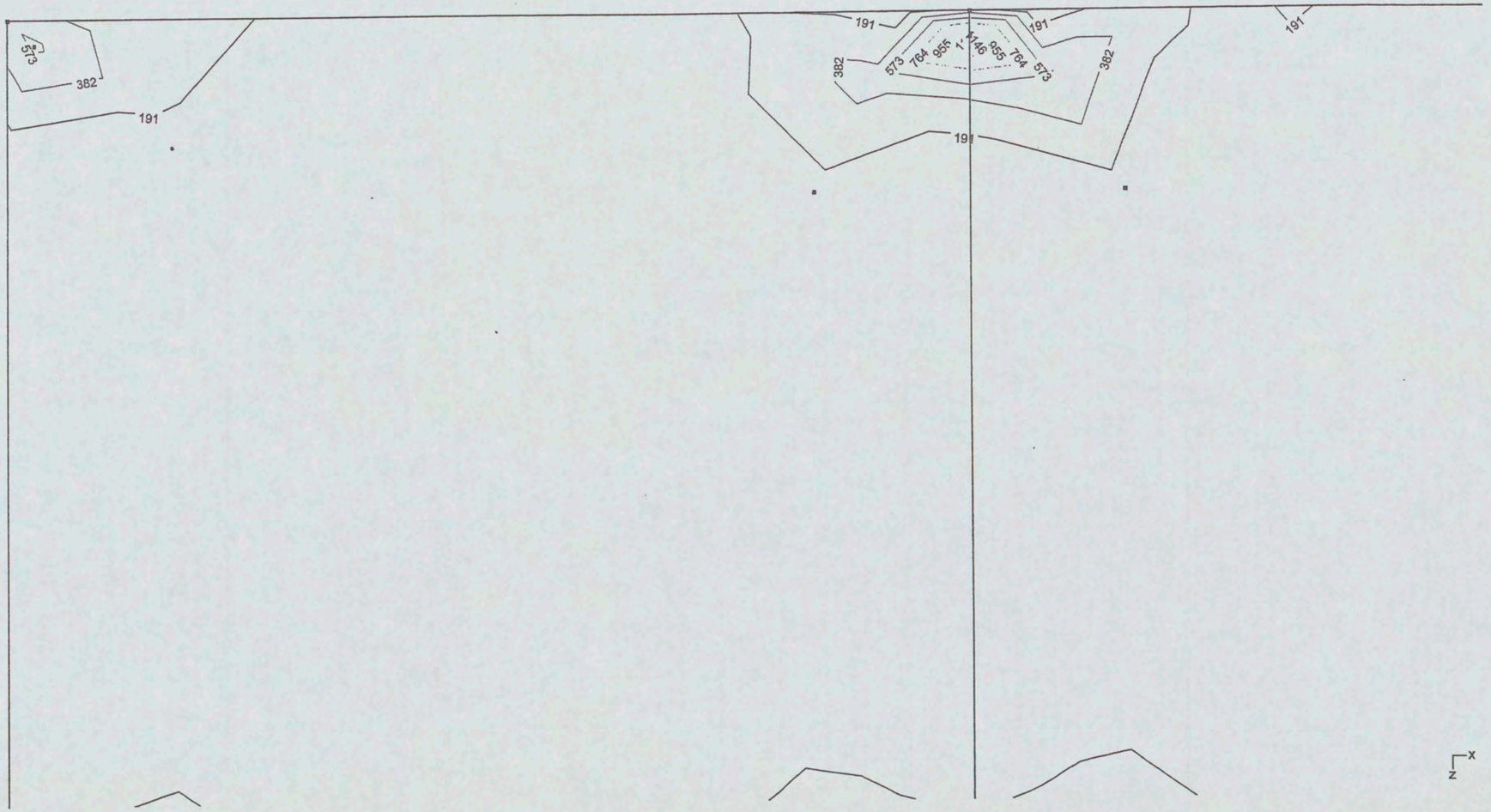
B94

Plot - Bovenwapening // z'-as (mm²/m)



131

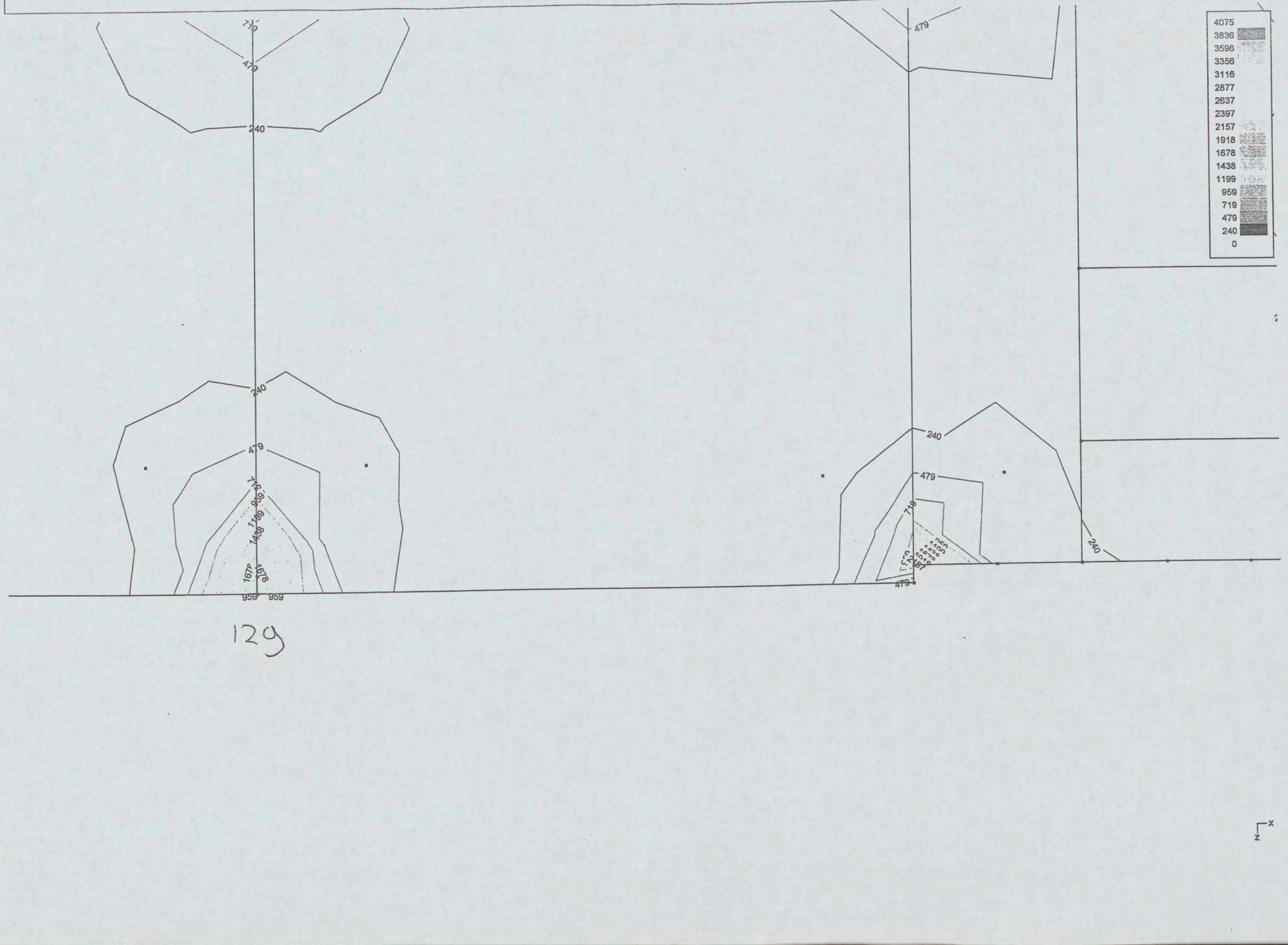
30



395

B95

: Plot - Bovenwapening // x'-as (mm²/m)

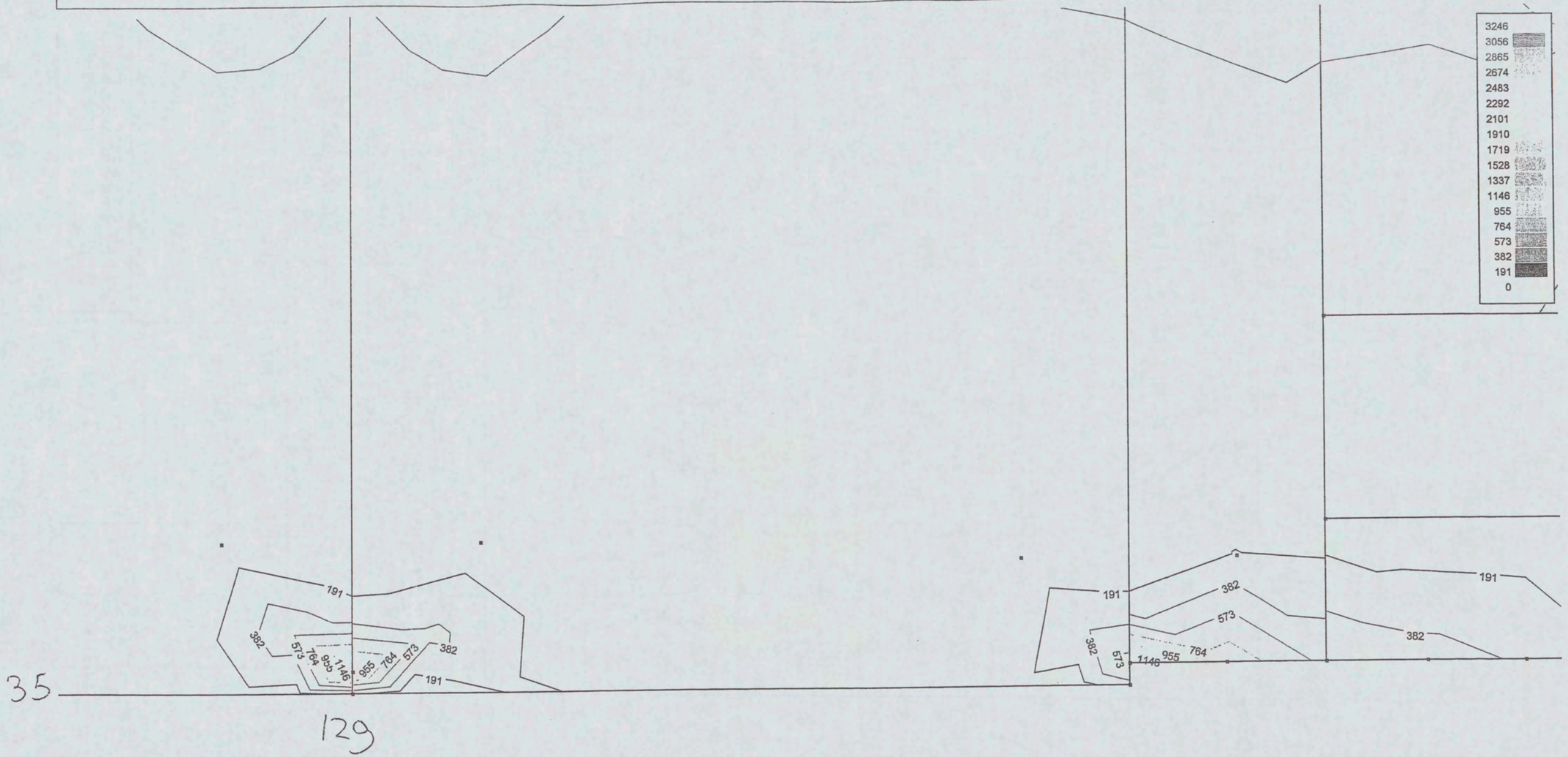


35

129

B96

: Plot - Bovenwapening // z'-as (mm²/m)



35

129

B97

Resultaten - Reakties - UGT 1

knp	Ry kN	RMx kNm	RMz kNm
6	43.0	-31.1	0.0
7	-15.7	0.1	0.0
8	-19.8	0.0	0.0
9	146.5	0.0	-8.5
10	3.6	5.6	0.0
14	7.3	0.0	0.0
16	216.1	21.4	0.0
33	174.4	-87.0	3.5
34	22.3	0.0	0.0
38	21.0	0.0	16.8
39	6.7	0.0	-1.7
40	5.7	0.0	-2.2
41	164.3	-75.5	14.1
45	20.7	0.0	17.5
47	180.7	-91.8	-3.0
55	212.5	-100.2	13.3
64	24.9	0.0	-21.4
66	200.2	-96.5	-14.8
67	22.4	0.0	0.0
68	178.4	-90.5	-1.9
71	189.6	-95.6	8.7
75	169.6	0.0	0.0
76	167.9	0.0	0.0
77	-16.4	-0.0	-0.0
78	-15.1	0.0	0.0
79	117.3	0.0	-6.9
80	0.1	4.1	0.0
81	182.4	67.7	0.4
82	78.2	25.3	23.6
83	125.5	-14.0	33.0
84	133.2	13.8	34.3
85	77.7	-26.3	20.8
86	119.1	-51.9	-71.8
87	22.4	0.0	-17.9
88	344.3	50.4	10.8
89	226.3	78.4	4.7
90	218.7	74.2	-1.6
91	257.7	90.0	9.9
92	221.3	75.0	-2.8
93	183.8	13.6	0.0
94	149.6	-30.0	0.0
95	146.2	25.1	0.0
101	4.2	0.0	0.0

knp	Ry kN	RMx kNm	RMz kNm
106	173.8	17.3	25.4
107	170.9	0.0	0.0
108	157.3	0.0	0.0
113	63.3	0.0	0.0
116	-21.7	0.0	-0.0
117	27.5	-10.8	0.0
119	25.3	0.0	-15.5
121	23.3	0.0	0.0
122	199.9	-75.0	-3.8
123	186.3	70.0	0.4
124	69.5	0.0	0.0
125	36.0	-4.3	5.9
126	54.5	-3.4	4.5
127	41.7	-3.9	-12.3
128	178.0	47.9	-11.4
137	195.5	-12.3	37.8
138	169.0	26.5	44.3
139	364.2	38.7	-11.5
140	356.2	41.9	19.4
141	220.2	-6.6	31.9
142	238.2	-4.1	-20.2
143	113.1	9.3	63.6
150	55.8	-45.2	0.0
155	25.4	-20.2	0.0
158	36.5	28.5	0.0
160	68.5	0.0	-16.0
166	42.2	-38.2	0.0
167	56.0	-41.6	0.0
175	28.8	-19.9	0.0
177	366.8	38.9	-4.6
181	41.7	24.1	0.0
182	71.7	0.0	-16.0
187	208.7	23.6	0.0
188	250.7	0.0	0.0
195	161.4	56.0	6.2
196	178.7	67.0	0.6
197	58.7	0.0	-20.8
198	332.1	-35.7	1.5
201	248.8	-25.1	24.8
202	267.0	-25.5	-27.4
203	359.2	-27.7	5.7
204	353.3	-27.5	-2.2
205	345.9	-26.7	2.8

knp	Ry kN	RMx kNm	RMz kNm
211	292.3	-24.6	-12.2
212	156.4	0.0	-4.2
213	319.5	39.0	-0.1
214	326.5	-28.1	7.4
215	322.3	-14.9	-0.3
216	378.9	-18.7	-15.6
217	499.5	-15.1	20.6
218	481.4	-14.2	-10.4
220	244.8	-28.3	-12.3
223	230.3	-22.4	26.8
224	343.8	-25.3	-3.3
225	50.8	0.0	-6.3
226	63.2	-0.8	-20.5
227	299.0	-37.7	0.5
331	29.7	40.2	0.0
332	20.0	26.1	0.0
333	-12.3	-9.2	0.0
356	75.4	0.0	-3.3
357	66.7	0.0	-3.7
358	69.7	0.0	-4.4
359	78.9	0.0	-5.4
360	62.7	0.0	-6.4
361	32.2	0.0	-40.4
362	31.1	0.0	-39.8
363	76.5	0.0	-4.4
364	62.6	0.0	-4.9
365	67.8	0.0	-5.6
366	65.6	0.0	-6.4
367	55.8	0.0	-7.4
368	62.0	0.0	-7.9
369	-22.8	-33.8	0.0
370	29.9	-29.1	0.0
371	24.0	-23.5	0.0
372	18.7	-16.5	0.0
373	13.0	-7.5	0.0
374	-49.0	2.2	0.0
375	-47.4	0.0	0.0
376	12.2	0.0	0.0
377	14.1	0.0	0.0
378	12.8	0.0	0.0
379	53.2	32.8	0.0
380	-20.4	0.0	37.0
381	-27.9	0.0	35.5

knp	Ry kN	RMx kNm	RMz kNm
382	-21.0	0.0	-42.9
383	34.9	0.0	0.0
384	17.1	0.0	0.0
385	22.1	0.0	0.0
386	11.5	0.0	0.0
387	57.4	41.7	0.0
388	-29.3	-39.6	0.0
389	34.6	-38.5	0.0
390	28.1	-38.1	0.0
391	29.3	-38.1	0.0
392	34.8	-38.5	0.0
393	-35.3	-39.7	0.0
394	21.2	0.0	0.0
395	21.4	0.0	0.0
396	22.9	0.0	0.0
397	22.1	0.0	0.0
398	18.1	0.0	0.0
399	21.2	0.0	0.0
400	20.4	0.0	0.0
401	18.9	0.0	0.0
402	19.8	0.0	0.0
403	19.9	0.0	0.0
404	19.0	0.0	0.0
405	20.3	0.0	0.0
406	21.2	0.0	0.0
407	21.4	0.0	0.0
408	23.0	0.0	0.0
409	21.7	0.0	0.0
410	18.0	0.0	0.0
411	21.5	0.0	0.0
412	31.3	-30.9	0.0
413	8.6	-9.6	0.0
414	3.8	0.0	-10.5
415	28.8	0.0	-21.2
416	37.2	0.0	-30.0
417	41.3	0.0	-34.3
418	33.0	0.0	-33.9
419	43.5	0.0	-34.9
420	12.4	0.0	0.0
421	17.8	0.0	0.0
422	-18.4	0.0	0.0
423	-12.7	0.0	-20.0
424	28.5	0.0	-23.3

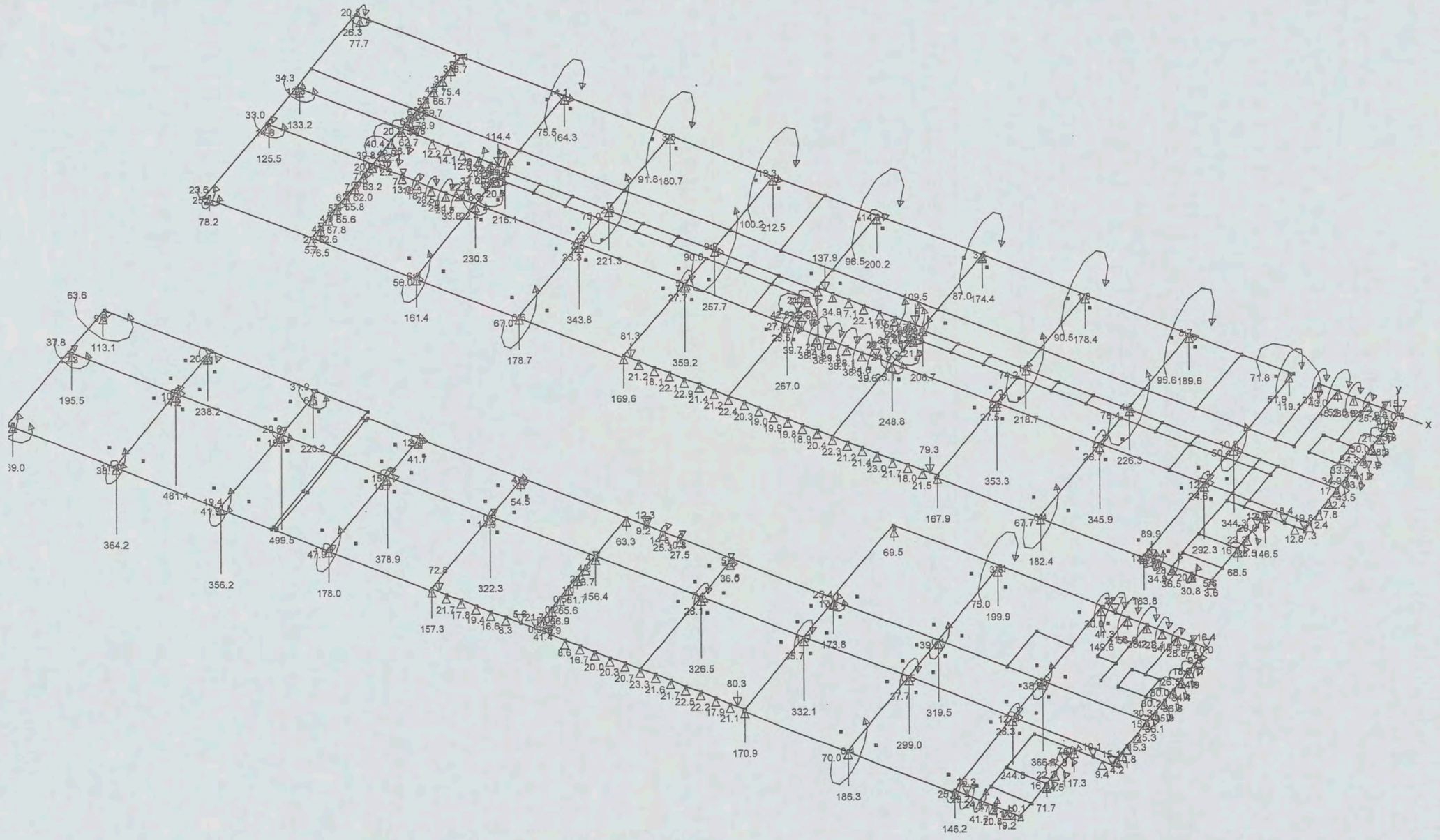
knp	Ry kN	RMx kNm	RMz kNm
425	30.8	20.6	0.0
426	34.9	21.1	0.0
427	34.4	-28.1	0.0
428	-22.7	-41.3	0.0
429	7.8	-9.2	0.0
430	7.7	0.0	-9.0
431	24.9	0.0	-18.6
432	34.4	0.0	-26.5
433	36.5	0.0	-30.0
434	35.8	0.0	-30.2
435	36.1	0.0	-30.3
436	10.8	0.0	0.0
437	15.3	0.0	0.0
438	-10.1	0.0	0.0
439	-7.0	0.0	-17.5
440	24.5	0.0	-22.3
441	19.2	11.5	0.0
442	20.8	17.5	0.0
443	-26.2	29.2	0.0
444	21.7	0.0	0.0
445	17.8	0.0	0.0
446	19.4	0.0	0.0
447	16.6	0.0	0.0
448	8.3	0.0	0.0
449	-5.6	0.0	0.0
450	21.1	0.0	0.0
451	17.9	0.0	0.0
452	22.2	0.0	0.0
453	22.5	0.0	0.0
454	21.7	0.0	0.0
455	21.6	0.0	0.0
456	-5.4	0.0	0.0
457	8.6	0.0	0.0
458	16.7	0.0	0.0
459	20.0	0.0	0.0
460	20.3	0.0	0.0
461	20.7	0.0	0.0
462	41.4	0.0	-0.0
463	58.9	0.0	-0.2
464	66.9	0.0	-0.5
465	65.6	0.0	-1.1
466	61.7	0.0	-2.2
467	23.7	0.0	-4.2

knp	Ry kN	RMx kNm	RMz kNm
468	25.3	-14.8	0.0
1354	-114.4	30.6	0.0
1355	-137.9	0.0	0.0
1356	-109.5	36.0	0.0
1357	-81.3	0.0	0.0
1358	-79.3	0.0	0.0
1359	12.8	0.0	0.0
1360	-89.9	18.9	0.0
1361	5.1	0.0	0.0
1362	9.4	0.0	0.0
1363	-72.8	0.0	0.0
1364	-80.3	0.0	0.0
TOT	17192.4	-557.6	-371.0

the scale towards document
Image Engineering Scan Reference Chart TE263 Serial No. 395

B98

Plot - Reacties (kN, kNm, kN/m) - UGT 1



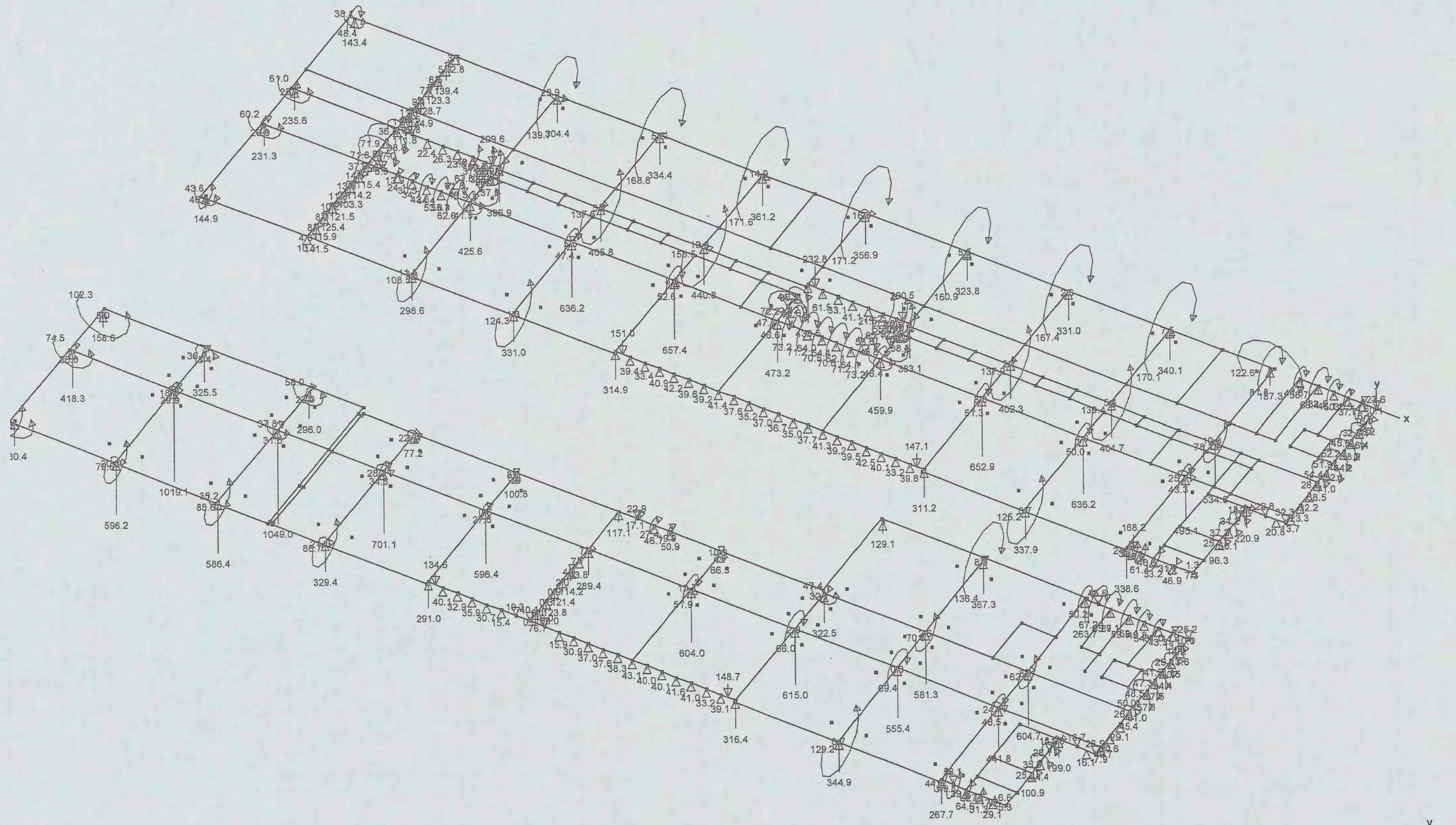
Resultaten - Reakties - UGT 2

knp	Ry kN	RMx kNm	RMz kNm
6	58.7	-44.8	0.0
7	-23.6	0.1	0.1
8	-32.3	0.0	0.0
9	220.9	0.0	-12.5
10	-1.3	7.3	0.0
14	13.7	0.0	0.0
16	396.9	39.5	0.0
33	323.8	-160.9	5.5
34	41.3	0.0	0.0
38	38.4	0.0	30.7
39	12.8	0.0	-3.1
40	10.5	0.0	-4.0
41	304.4	-139.7	25.9
45	37.9	0.0	32.0
47	334.4	-168.8	-5.5
55	361.2	-171.6	14.9
64	42.0	0.0	-35.5
66	356.9	-171.2	-16.9
67	41.4	0.0	0.0
68	331.0	-167.4	-2.6
71	340.1	-170.1	7.5
75	314.9	0.0	0.0
76	311.2	0.0	0.0
77	-25.2	-0.1	-0.0
78	-26.9	0.0	0.0
79	199.0	0.0	-11.3
80	-6.6	5.3	0.0
81	337.9	125.2	0.7
82	144.9	46.9	43.6
83	231.3	-26.0	60.2
84	235.6	25.4	61.0
85	143.4	-48.4	38.1
86	187.3	-81.8	-122.6
87	38.5	0.0	-28.2
88	534.8	78.1	10.8
89	404.7	139.4	5.4
90	402.3	137.0	-2.7
91	440.8	153.5	13.3
92	405.8	137.6	-5.2
93	338.6	24.1	0.0
94	263.7	-50.2	0.0
95	267.7	44.5	0.0
101	7.9	0.0	0.0
106	322.5	32.1	47.4
107	316.4	0.0	0.0
108	291.0	0.0	0.0
113	117.1	0.0	0.0
116	-40.1	0.0	-0.0
117	50.9	-19.9	0.0
119	45.4	0.0	-26.4
121	43.1	0.0	0.0
122	367.3	-136.4	-8.6
123	344.9	129.2	0.7
124	129.1	0.0	0.0
125	66.5	-7.9	10.9
126	100.8	-6.3	8.3
127	77.2	-7.2	-22.7
128	329.4	88.7	-21.1
137	418.3	-26.0	74.5
138	280.4	58.5	73.3
139	596.2	79.6	-20.2
140	586.4	85.6	35.2
141	296.0	-22.0	58.0
142	325.5	-18.4	-36.1
143	158.6	5.0	102.3
150	82.5	-66.4	0.0
155	37.7	-30.5	0.0
158	53.2	46.6	0.0
160	96.3	0.0	-25.4
166	62.4	-59.5	0.0
167	87.1	-65.9	0.0
175	43.3	-31.0	0.0
177	604.7	62.5	-8.1
181	64.6	39.6	0.0
182	100.9	0.0	-25.4
187	383.1	43.5	0.0
188	430.5	0.0	0.0
195	298.6	103.5	11.5
196	331.0	124.3	1.3
197	98.8	0.0	-36.6
198	615.0	-66.0	2.9
201	459.9	-46.4	45.8
202	473.2	-46.6	-47.7
203	657.4	-52.6	8.0
204	652.9	-51.3	-3.8
205	636.2	-50.0	4.0
211	495.1	-43.3	-25.7
212	289.4	0.0	-7.9
213	581.3	70.8	-2.6
214	604.0	-51.9	13.7
215	596.4	-27.6	-0.6
216	701.1	-34.6	-28.8
217	1049.0	-31.6	37.8
218	1019.1	-29.9	-18.8
220	441.8	-48.5	-24.4
223	425.6	-41.5	49.3
224	636.2	-47.4	-5.6
225	92.8	0.0	-11.1
226	115.4	-1.5	-37.3
227	555.4	-69.4	0.3
331	55.0	74.2	0.0
332	37.3	48.5	0.0
333	-22.9	-17.1	0.0
356	139.4	0.0	-5.9
357	123.3	0.0	-6.5
358	128.7	0.0	-7.7
359	144.9	0.0	-9.4
360	111.8	0.0	-11.1
361	57.0	0.0	-71.9
362	56.5	0.0	-71.8
363	141.5	0.0	-8.1
364	115.9	0.0	-8.9
365	125.4	0.0	-10.2
366	121.5	0.0	-11.9
367	103.3	0.0	-13.5
368	114.2	0.0	-14.5
369	-41.8	-62.6	0.0
370	55.3	-53.8	0.0
371	44.4	-43.6	0.0
372	34.7	-30.5	0.0
373	24.1	-13.9	0.0
374	-89.5	3.9	0.0
375	-83.5	0.0	0.0
376	22.4	0.0	0.0
377	26.3	0.0	0.0
378	23.8	0.0	0.0
379	98.2	60.7	0.0
380	-38.2	0.0	67.8
381	-52.0	0.0	65.1
382	-44.3	0.0	-72.2
383	61.5	0.0	0.0
384	33.1	0.0	0.0
385	41.1	0.0	0.0
386	21.5	0.0	0.0
387	105.9	77.0	0.0
388	-53.8	-73.2	0.0
389	64.1	-71.2	0.0
390	52.1	-70.6	0.0
391	54.4	-70.5	0.0
392	64.0	-71.2	0.0
393	-58.6	-73.2	0.0
394	39.2	0.0	0.0
395	39.6	0.0	0.0
396	42.2	0.0	0.0
397	40.9	0.0	0.0
398	33.4	0.0	0.0
399	39.4	0.0	0.0
400	37.7	0.0	0.0
401	35.0	0.0	0.0
402	36.7	0.0	0.0
403	37.0	0.0	0.0
404	35.2	0.0	0.0
405	37.6	0.0	0.0
406	39.2	0.0	0.0
407	39.5	0.0	0.0
408	42.5	0.0	0.0
409	40.1	0.0	0.0
410	33.2	0.0	0.0
411	39.8	0.0	0.0
412	50.1	-46.1	0.0
413	16.1	-14.6	0.0
414	8.2	0.0	-16.0
415	46.4	0.0	-32.3
416	58.2	0.0	-45.6
417	64.2	0.0	-52.2
418	52.1	0.0	-51.9
419	71.0	0.0	-54.4
420	23.3	0.0	0.0
421	32.2	0.0	0.0
422	-22.8	0.0	0.0
423	-18.3	0.0	-31.2
424	50.1	0.0	-37.3
425	46.9	31.7	0.0
426	61.4	36.0	0.0
427	54.4	-43.8	0.0
428	-45.6	-67.2	0.0
429	13.8	-14.4	0.0
430	13.6	0.0	-14.2
431	40.5	0.0	-29.2
432	54.4	0.0	-41.5
433	57.5	0.0	-47.3
434	57.8	0.0	-48.5
435	61.0	0.0	-50.0
436	20.6	0.0	0.0
437	29.1	0.0	0.0
438	-13.7	0.0	0.0
439	-15.9	0.0	-28.1
440	44.4	0.0	-35.9
441	29.1	17.2	0.0
442	31.3	27.7	0.0
443	-53.1	49.8	0.0
444	40.1	0.0	0.0
445	32.9	0.0	0.0
446	35.9	0.0	0.0
447	30.7	0.0	0.0
448	15.4	0.0	0.0
449	-10.3	0.0	0.0
450	39.1	0.0	0.0
451	33.2	0.0	0.0
452	41.0	0.0	0.0
453	41.6	0.0	0.0
454	40.1	0.0	0.0
455	40.0	0.0	0.0
456	-10.0	0.0	0.0
457	15.9	0.0	0.0
458	30.9	0.0	0.0
459	37.0	0.0	0.0
460	37.6	0.0	0.0
461	38.3	0.0	0.0
462	76.7	0.0	-0.1
463	109.0	0.0	-0.3
464	123.8	0.0	-0.9
465	121.4	0.0	-2.0
466	114.2	0.0	-4.1
467	43.8	0.0	-7.7
468	46.7	-27.4	0.0
1354	-209.6	56.6	0.0
1355	-232.8	0.0	0.0
1356	-200.5	66.5	0.0
1357	-151.0	0.0	0.0
1358	-147.1	0.0	0.0
1359	20.8	0.0	0.0
1360	-168.2	32.9	0.0
1361	9.7	0.0	0.0
1362	16.1	0.0	0.0
1363	-134.6	0.0	0.0
1364	-148.7	0.0	0.0
TOT	30799.2	-987.4	-581.8

the scale towards document
C1 B1 A1 C2 B2 A2 B5 A5 20 18 17 16 11 C7 B7 A7 C8 B8 A8 C9 B9 10 09 03 02 01

B100

Plot - Reacties (kN, kNm, kN/m) - UGT 2



the scale towards document
Patch Reference numbers on UT7
Serial No. 395

Resultaten - Reakties - UGT 3

knp	Ry kN	RMx kNm	RMz kNm
6	59.2	-44.6	0.0
7	-23.4	0.1	0.1
8	-21.8	0.0	0.0
9	144.7	0.0	-7.9
10	3.4	5.0	0.0
14	6.4	0.0	0.0
16	362.3	39.1	0.0
33	324.7	-161.2	5.2
34	19.8	0.0	0.0
38	32.6	0.0	22.9
39	13.8	0.0	-2.9
40	5.0	0.0	-1.9
41	305.7	-140.2	25.2
45	32.6	0.0	23.8
47	335.9	-169.4	-5.1
55	362.6	-172.1	14.5
64	36.5	0.0	-27.7
66	357.8	-171.5	-16.6
67	19.8	0.0	0.0
68	332.5	-168.0	-2.3
71	341.6	-170.8	7.2
75	147.0	0.0	0.0
76	145.7	0.0	0.0
77	-24.8	-0.1	-0.1
78	-17.1	0.0	0.0
79	116.9	0.0	-6.4
80	-0.0	3.7	0.0
81	158.7	57.7	0.6
82	69.4	22.6	21.0
83	98.6	-14.5	31.7
84	208.3	26.4	47.5
85	144.6	-48.4	37.1
86	188.4	-82.2	-122.6
87	28.6	0.0	-23.4
88	499.2	79.2	10.0
89	390.8	139.4	4.2
90	388.2	136.8	-1.2
91	426.8	153.3	11.6
92	390.8	137.4	-3.5
93	162.4	11.9	0.0
94	265.1	-50.2	0.0
95	130.2	22.4	0.0
101	3.6	0.0	0.0

knp	Ry kN	RMx kNm	RMz kNm
106	277.6	34.5	50.0
107	152.4	0.0	0.0
108	139.8	0.0	0.0
113	56.1	0.0	0.0
116	-19.3	0.0	-0.0
117	26.3	-9.9	0.0
119	32.6	0.0	-21.3
121	20.8	0.0	0.0
122	368.4	-136.4	-8.4
123	166.1	62.6	0.3
124	130.0	0.0	0.0
125	27.3	-3.3	3.2
126	48.4	-3.0	4.0
127	37.1	-3.4	-10.9
128	158.2	42.6	-10.2
137	173.7	-10.9	33.6
138	150.2	23.6	39.4
139	323.7	34.4	-10.3
140	316.6	37.2	17.2
141	195.7	-5.9	28.3
142	211.7	-3.7	-17.9
143	100.5	8.2	56.6
150	82.2	-66.0	0.0
155	37.6	-30.2	0.0
158	32.5	25.1	0.0
160	60.6	0.0	-14.1
166	62.2	-59.0	0.0
167	87.2	-65.6	0.0
175	43.2	-30.7	0.0
177	542.8	64.6	-6.4
181	37.2	21.6	0.0
182	63.6	0.0	-14.3
187	349.8	43.2	0.0
188	400.5	0.0	0.0
195	142.5	48.9	5.3
196	155.1	56.9	0.4
197	67.2	0.0	-27.0
198	270.9	-34.6	4.7
201	214.2	-21.7	22.6
202	228.8	-22.0	-24.8
203	321.0	-16.7	6.2
204	316.5	-17.0	-2.6
205	310.0	-16.5	2.8

knp	Ry kN	RMx kNm	RMz kNm
211	236.7	-23.3	-10.7
212	139.2	0.0	-3.7
213	537.9	71.3	-3.8
214	288.0	-25.3	5.3
215	286.4	-13.3	-0.3
216	336.8	-16.6	-13.8
217	444.0	-13.4	18.3
218	427.9	-12.6	-9.2
220	180.5	-29.1	-9.9
223	198.5	-19.5	24.5
224	308.2	-15.1	-3.9
225	90.9	0.0	-8.6
226	59.1	-0.8	-19.9
227	220.0	-38.7	-1.2
331	56.6	74.6	0.0
332	38.9	49.2	0.0
333	-10.9	-8.3	0.0
356	139.5	0.0	-5.2
357	123.5	0.0	-5.5
358	129.0	0.0	-6.3
359	143.6	0.0	-7.4
360	100.2	0.0	-8.5
361	32.3	0.0	-46.5
362	28.6	0.0	-41.5
363	67.9	0.0	-3.9
364	55.5	0.0	-4.4
365	60.0	0.0	-5.1
366	58.1	0.0	-5.9
367	49.3	0.0	-6.8
368	55.9	0.0	-7.4
369	-21.8	-29.3	0.0
370	26.7	-25.4	0.0
371	21.2	-20.6	0.0
372	16.5	-14.4	0.0
373	11.8	-6.5	0.0
374	-46.9	2.2	0.0
375	-64.2	0.0	0.0
376	21.2	0.0	0.0
377	27.3	0.0	0.0
378	23.9	0.0	0.0
379	95.8	61.2	0.0
380	-14.9	0.0	40.0
381	-21.6	0.0	38.2

knp	Ry kN	RMx kNm	RMz kNm
382	-14.3	0.0	-45.4
383	59.3	0.0	0.0
384	34.2	0.0	0.0
385	41.3	0.0	0.0
386	21.7	0.0	0.0
387	103.4	77.4	0.0
388	-27.5	-34.5	0.0
389	30.9	-33.8	0.0
390	25.0	-33.5	0.0
391	26.0	-33.5	0.0
392	31.1	-33.7	0.0
393	-32.8	-34.6	0.0
394	18.7	0.0	0.0
395	18.8	0.0	0.0
396	20.0	0.0	0.0
397	19.3	0.0	0.0
398	15.7	0.0	0.0
399	18.4	0.0	0.0
400	18.1	0.0	0.0
401	16.8	0.0	0.0
402	17.6	0.0	0.0
403	17.8	0.0	0.0
404	16.9	0.0	0.0
405	18.0	0.0	0.0
406	18.7	0.0	0.0
407	18.8	0.0	0.0
408	20.1	0.0	0.0
409	18.9	0.0	0.0
410	15.7	0.0	0.0
411	18.7	0.0	0.0
412	49.9	-45.7	0.0
413	16.2	-14.5	0.0
414	8.6	0.0	-15.8
415	46.4	0.0	-31.8
416	57.9	0.0	-44.5
417	64.0	0.0	-50.2
418	50.3	0.0	-48.7
419	64.9	0.0	-48.5
420	9.9	0.0	0.0
421	16.8	0.0	0.0
422	-17.6	0.0	0.0
423	-18.9	0.0	-17.6
424	26.1	0.0	-20.4

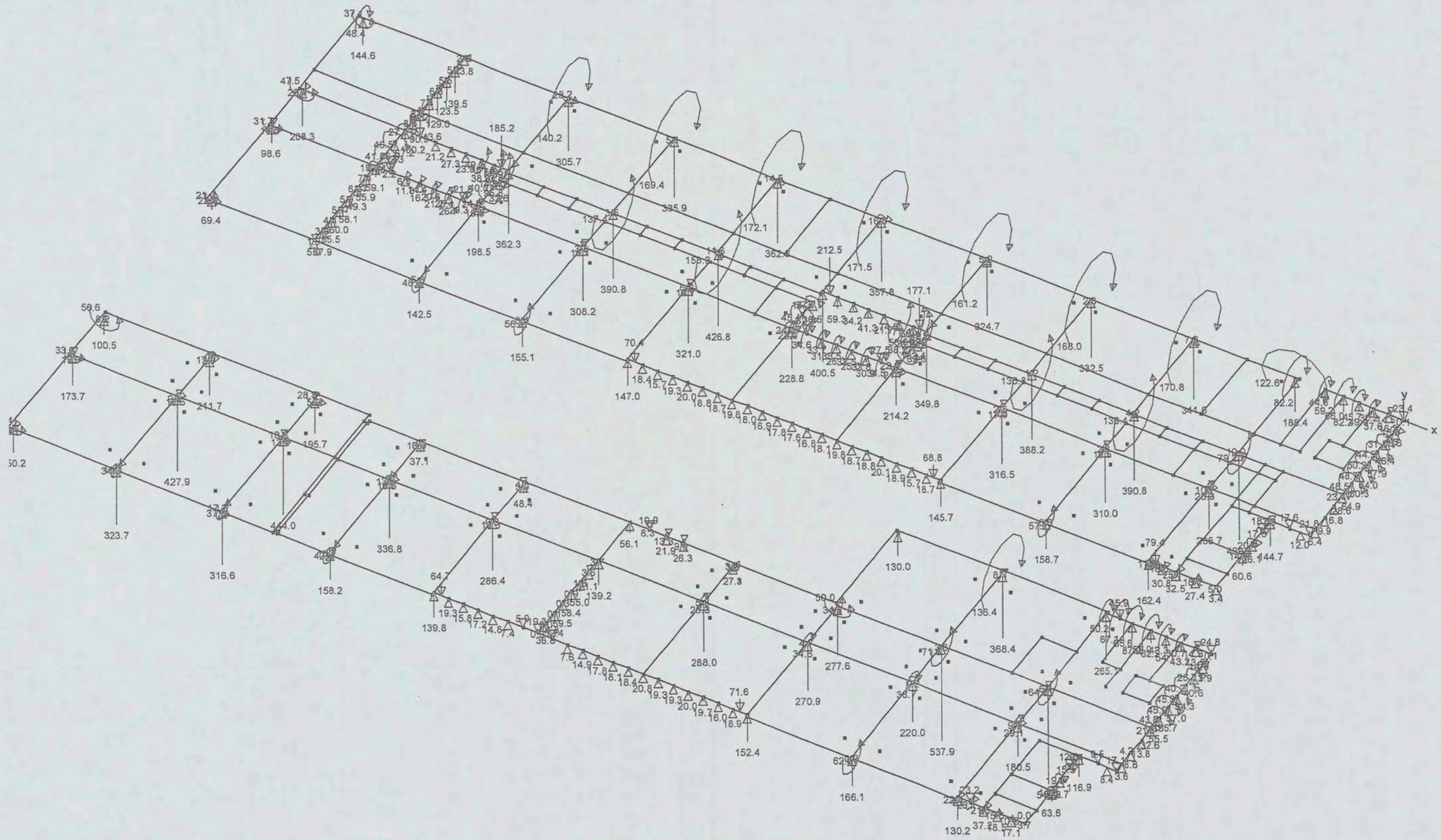
knp	Ry kN	RMx kNm	RMz kNm
425	27.4	18.2	0.0
426	30.8	18.6	0.0
427	54.1	-43.3	0.0
428	-45.9	-67.1	0.0
429	13.9	-14.3	0.0
430	13.9	0.0	-14.0
431	40.6	0.0	-28.7
432	54.3	0.0	-40.3
433	57.0	0.0	-45.3
434	55.7	0.0	-45.0
435	55.5	0.0	-43.8
436	8.8	0.0	0.0
437	13.8	0.0	0.0
438	-9.5	0.0	0.0
439	-12.8	0.0	-15.5
440	22.7	0.0	-19.9
441	17.1	10.2	0.0
442	18.5	15.6	0.0
443	-23.2	26.1	0.0
444	19.3	0.0	0.0
445	15.8	0.0	0.0
446	17.2	0.0	0.0
447	14.8	0.0	0.0
448	7.4	0.0	0.0
449	-5.0	0.0	0.0
450	18.9	0.0	0.0
451	16.0	0.0	0.0
452	19.7	0.0	0.0
453	20.0	0.0	0.0
454	19.3	0.0	0.0
455	19.3	0.0	0.0
456	-4.8	0.0	0.0
457	7.6	0.0	0.0
458	14.9	0.0	0.0
459	17.8	0.0	0.0
460	18.1	0.0	0.0
461	18.4	0.0	0.0
462	36.8	0.0	-0.0
463	52.4	0.0	-0.1
464	59.5	0.0	-0.3
465	58.4	0.0	-0.9
466	55.0	0.0	-1.8
467	21.1	0.0	-3.6

knp	Ry kN	RMx kNm	RMz kNm
468	21.9	-13.3	0.0
1354	-185.2	56.6	0.0
1355	-212.5	0.0	0.0
1356	-177.1	66.4	0.0
1357	-70.4	0.0	0.0
1358	-68.8	0.0	0.0
1359	12.0	0.0	0.0
1360	-79.4	16.6	0.0
1361	4.2	0.0	0.0
1362	8.4	0.0	0.0
1363	-64.7	0.0	0.0
1364	-71.6	0.0	0.0
TOT	19897.5	-760.7	-548.0

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
Serial No. 395

B102

Plot - Reacties (kN, kNm, kN/m) - UGT 3



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395

B103

Resultaten - Reakties - UGT 4

knp	Ry kN	RMx kNm	RMz kNm
6	37.4	-27.6	0.0
7	-14.2	0.1	0.0
8	-29.7	0.0	0.0
9	205.7	0.0	-10.2
10	3.7	5.0	0.0
14	14.1	0.0	0.0
16	231.1	19.7	0.0
33	154.4	-77.6	3.7
34	19.8	0.0	0.0
38	29.9	0.0	23.9
39	5.1	0.0	-1.8
40	4.3	0.0	-2.1
41	145.2	-67.2	13.4
45	29.8	0.0	24.6
47	160.1	-82.5	-2.9
55	188.4	-90.0	12.1
64	33.4	0.0	-27.8
66	177.5	-86.1	-13.8
67	19.8	0.0	0.0
68	158.1	-81.4	-1.8
71	167.9	-85.6	7.8
75	145.7	0.0	0.0
76	144.6	0.0	0.0
77	-15.0	-0.0	-0.0
78	-24.7	0.0	0.0
79	171.6	0.0	-8.4
80	0.5	3.7	0.0
81	157.7	57.8	0.6
82	68.4	22.3	21.8
83	152.3	-9.4	40.0
84	159.3	9.1	41.4
85	67.9	-23.2	19.5
86	104.3	-45.5	-64.0
87	30.7	0.0	-21.5
88	374.3	39.9	12.3
89	244.3	72.7	3.6
90	239.1	69.2	-1.1
91	273.5	83.3	8.7
92	241.1	70.0	-2.4
93	161.4	11.8	0.0
94	130.9	-26.5	0.0
95	128.9	22.0	0.0
101	7.0	0.0	0.0

knp	Ry kN	RMx kNm	RMz kNm
106	246.2	6.7	19.9
107	149.0	0.0	0.0
108	130.3	0.0	0.0
113	122.7	0.0	0.0
116	-19.1	0.0	-0.0
117	51.7	-18.5	0.0
119	36.0	0.0	-19.5
121	20.2	0.0	0.0
122	176.1	-66.2	-3.7
123	163.4	61.4	0.5
124	60.2	0.0	0.0
125	106.0	-14.7	14.4
126	141.0	-11.2	6.4
127	127.4	-12.3	-16.6
128	155.0	42.2	-12.9
137	241.5	-6.9	48.1
138	148.0	22.9	40.7
139	315.8	33.2	-12.0
140	310.9	36.8	20.9
141	382.9	-46.0	43.2
142	408.3	-42.8	-27.5
143	193.1	-10.5	95.6
150	49.8	-40.5	0.0
155	22.6	-18.3	0.0
158	31.9	24.7	0.0
160	59.2	0.0	-13.8
166	37.7	-34.4	0.0
167	49.5	-37.1	0.0
175	25.7	-18.1	0.0
177	419.1	28.5	-3.9
181	36.4	21.0	0.0
182	62.3	0.0	-13.8
187	224.1	21.8	0.0
188	257.9	0.0	0.0
195	142.7	49.6	6.0
196	154.9	57.6	0.0
197	81.2	0.0	-26.4
198	389.7	-24.0	-1.0
201	255.0	-22.8	27.8
202	271.1	-23.1	-30.0
203	420.0	-12.2	6.0
204	414.9	-12.1	-2.5
205	406.4	-11.0	2.7

knp	Ry kN	RMx kNm	RMz kNm
211	339.6	-15.0	-12.3
212	259.4	0.0	-7.8
213	373.6	28.6	0.2
214	382.5	-17.8	10.7
215	379.0	-8.1	1.4
216	441.3	-11.4	-20.3
217	616.9	-8.4	26.0
218	596.9	-7.6	-13.2
220	297.0	-18.8	-13.4
223	237.2	-20.6	29.9
224	406.7	-10.1	-3.6
225	47.5	0.0	-7.8
226	85.5	-1.0	-26.3
227	355.1	-27.3	0.9
331	24.6	35.5	0.0
332	15.9	22.8	0.0
333	-21.3	-16.5	0.0
356	67.0	0.0	-3.6
357	59.2	0.0	-4.2
358	61.9	0.0	-5.2
359	71.7	0.0	-6.6
360	66.6	0.0	-7.9
361	52.4	0.0	-55.1
362	52.1	0.0	-54.5
363	67.9	0.0	-4.5
364	55.5	0.0	-5.1
365	60.3	0.0	-6.0
366	59.4	0.0	-7.2
367	52.0	0.0	-8.5
368	68.0	0.0	-9.5
369	-32.6	-29.6	0.0
370	27.1	-25.2	0.0
371	20.5	-20.1	0.0
372	15.6	-13.7	0.0
373	12.1	-5.3	0.0
374	-61.6	3.8	0.0
375	-58.4	0.0	0.0
376	11.8	0.0	0.0
377	11.6	0.0	0.0
378	11.1	0.0	0.0
379	50.4	29.0	0.0
380	3.6	0.0	49.5
381	-2.9	0.0	48.0

knp	Ry kN	RMx kNm	RMz kNm
382	3.0	0.0	-54.4
383	33.8	0.0	0.0
384	13.8	0.0	0.0
385	19.3	0.0	0.0
386	9.9	0.0	0.0
387	54.3	37.1	0.0
388	-39.8	-35.1	0.0
389	31.6	-33.8	0.0
390	24.4	-33.4	0.0
391	25.4	-33.4	0.0
392	31.7	-33.7	0.0
393	-45.0	-35.1	0.0
394	18.8	0.0	0.0
395	19.1	0.0	0.0
396	20.4	0.0	0.0
397	19.6	0.0	0.0
398	15.8	0.0	0.0
399	18.2	0.0	0.0
400	18.0	0.0	0.0
401	16.6	0.0	0.0
402	17.4	0.0	0.0
403	17.6	0.0	0.0
404	16.7	0.0	0.0
405	17.9	0.0	0.0
406	18.7	0.0	0.0
407	19.1	0.0	0.0
408	20.5	0.0	0.0
409	19.2	0.0	0.0
410	15.6	0.0	0.0
411	18.5	0.0	0.0
412	28.1	-27.8	0.0
413	7.5	-8.7	0.0
414	3.0	0.0	-9.5
415	25.4	0.0	-19.3
416	33.3	0.0	-27.9
417	36.7	0.0	-32.7
418	31.4	0.0	-33.8
419	45.5	0.0	-37.9
420	25.3	0.0	0.0
421	32.2	0.0	0.0
422	-15.0	0.0	0.0
423	-32.9	0.0	-19.0
424	27.2	0.0	-20.4

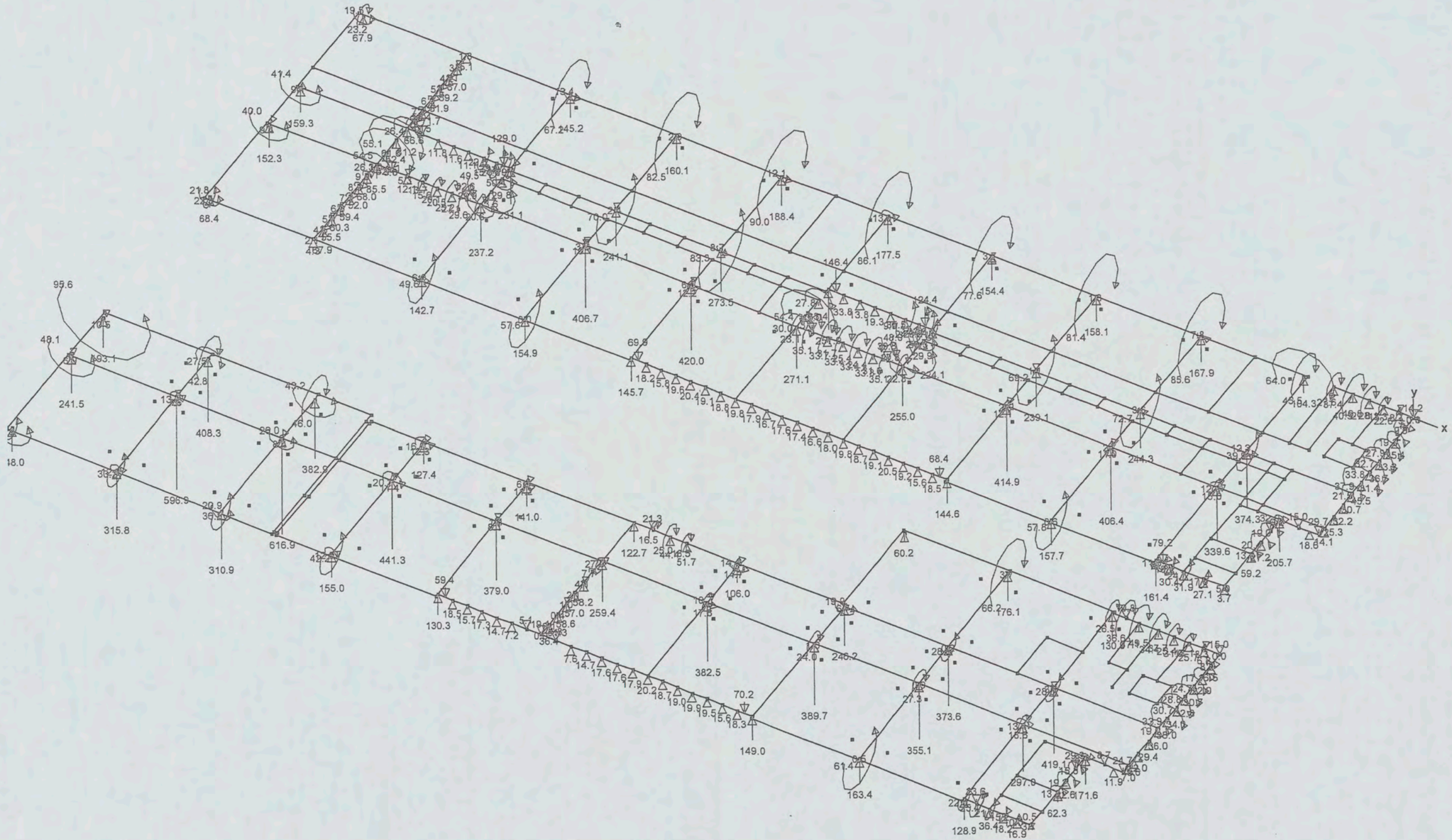
knp	Ry kN	RMx kNm	RMz kNm
425	27.1	17.9	0.0
426	30.4	18.2	0.0
427	31.0	-25.4	0.0
428	-19.8	-36.6	0.0
429	6.8	-8.3	0.0
430	6.5	0.0	-8.2
431	22.0	0.0	-17.1
432	30.7	0.0	-24.7
433	32.8	0.0	-28.8
434	34.0	0.0	-30.7
435	38.0	0.0	-33.9
436	22.0	0.0	0.0
437	29.4	0.0	0.0
438	-8.7	0.0	0.0
439	-29.3	0.0	-15.8
440	22.6	0.0	-19.2
441	16.9	10.0	0.0
442	18.2	15.2	0.0
443	-23.6	25.4	0.0
444	18.5	0.0	0.0
445	15.7	0.0	0.0
446	17.3	0.0	0.0
447	14.7	0.0	0.0
448	7.2	0.0	0.0
449	-5.1	0.0	0.0
450	18.3	0.0	0.0
451	15.6	0.0	0.0
452	19.5	0.0	0.0
453	19.9	0.0	0.0
454	19.0	0.0	0.0
455	18.7	0.0	0.0
456	-4.8	0.0	0.0
457	7.6	0.0	0.0
458	14.7	0.0	0.0
459	17.6	0.0	0.0
460	17.6	0.0	0.0
461	17.9	0.0	0.0
462	36.4	0.0	-0.1
463	51.3	0.0	-0.4
464	58.6	0.0	-1.0
465	57.0	0.0	-2.1
466	58.2	0.0	-4.1
467	-2.7	0.0	-7.7

knp	Ry kN	RMx kNm	RMz kNm
468	44.4	-25.0	0.0
1354	-129.0	27.7	0.0
1355	-146.4	0.0	0.0
1356	-124.4	32.6	0.0
1357	-69.9	0.0	0.0
1358	-68.4	0.0	0.0
1359	18.6	0.0	0.0
1360	-79.2	16.3	0.0
1361	9.6	0.0	0.0
1362	11.9	0.0	0.0
1363	-59.4	0.0	0.0
1364	-70.2	0.0	0.0
TOT	18695.7	-564.6	-340.3

the scale towards document
Image Engineering Scan Reference Chart TE263 Serial No. 395

B104

Plot - Reacties (kN, kNm, kN/m) - UGT 4



the scale towards document
Patch Reference numbers on UIT1
Grijze Engineering Scan Reference Chart TEKS Kodak Rev.
395

B105

Resultaten - Reakties - UGT 5

knp	Ry kN	RMx kNm	RMz kNm
6	38.5	-27.8	0.0
7	-14.0	0.1	0.0
8	-16.2	0.0	0.0
9	144.0	0.0	-10.1
10	-2.0	7.3	0.0
14	7.8	0.0	0.0
16	187.8	18.6	0.0
33	154.7	-76.7	2.8
34	41.5	0.0	0.0
38	13.3	0.0	13.9
39	5.9	0.0	-1.5
40	11.3	0.0	-3.9
41	145.6	-66.5	12.3
45	12.4	0.0	14.8
47	159.6	-80.1	-2.8
55	187.9	-87.7	12.0
64	16.5	0.0	-18.1
66	177.5	-85.1	-12.8
67	41.6	0.0	0.0
68	157.6	-79.0	-1.9
71	167.6	-83.6	7.9
75	323.8	0.0	0.0
76	319.6	0.0	0.0
77	-14.6	-0.0	-0.0
78	-11.9	0.0	0.0
79	119.1	0.0	-8.6
80	-7.0	5.3	0.0
81	345.8	130.0	0.2
82	146.1	47.0	42.8
83	203.5	-26.9	47.2
84	104.8	14.5	33.0
85	68.9	-23.5	18.5
86	106.4	-46.3	-63.5
87	19.3	0.0	-15.3
88	273.7	48.6	8.0
89	171.8	66.8	5.8
90	163.7	62.8	-3.3
91	198.6	76.8	10.5
92	167.4	63.5	-4.2
93	341.5	24.6	0.0
94	133.6	-26.8	0.0
95	268.6	44.8	0.0
101	4.7	0.0	0.0

knp	Ry kN	RMx kNm	RMz kNm
106	107.6	21.7	22.5
107	318.9	0.0	0.0
108	300.5	0.0	0.0
113	50.7	0.0	0.0
116	-40.3	0.0	-0.0
117	21.7	-10.6	0.0
119	21.8	0.0	-13.3
121	43.5	0.0	0.0
122	178.2	-67.2	-3.2
123	346.5	129.5	0.6
124	62.4	0.0	0.0
125	-2.8	2.5	3.8
126	8.2	1.8	5.9
127	-13.1	1.7	-17.0
128	332.6	89.1	-18.4
137	350.5	-30.0	59.9
138	282.7	59.1	72.0
139	604.0	80.9	-18.4
140	592.1	86.0	31.5
141	108.8	18.1	43.2
142	129.0	20.8	-26.5
143	66.0	23.7	63.3
150	49.7	-40.3	0.0
155	22.6	-18.0	0.0
158	53.8	47.5	0.0
160	98.2	0.0	-26.0
166	37.5	-34.0	0.0
167	49.9	-37.1	0.0
175	25.6	-17.7	0.0
177	294.9	38.5	-6.0
181	65.1	40.0	0.0
182	102.3	0.0	-25.8
187	180.2	20.5	0.0
188	217.8	0.0	0.0
195	300.3	104.5	11.4
196	338.7	128.8	2.1
197	54.9	0.0	-20.1
198	544.8	-70.9	1.8
201	433.1	-46.5	39.5
202	447.9	-46.7	-41.5
203	555.0	-73.0	6.0
204	549.6	-71.1	-2.8
205	534.5	-69.9	3.4

knp	Ry kN	RMx kNm	RMz kNm
211	441.8	-48.7	-23.7
212	168.9	0.0	-3.9
213	238.0	40.2	0.9
214	513.9	-58.7	10.9
215	503.9	-32.8	-2.2
216	596.5	-39.8	-22.4
217	876.1	-36.6	30.1
218	850.1	-34.9	-14.9
220	399.5	-51.0	-23.0
223	399.3	-41.1	42.5
224	532.5	-67.2	-4.0
225	44.7	0.0	-5.9
226	83.1	-1.1	-27.6
227	511.8	-70.4	1.4
331	26.7	35.6	0.0
332	18.0	23.0	0.0
333	-12.6	-8.8	0.0
356	67.0	0.0	-3.0
357	59.2	0.0	-3.4
358	61.8	0.0	-4.1
359	69.8	0.0	-5.0
360	56.4	0.0	-6.0
361	29.7	0.0	-42.2
362	31.1	0.0	-46.6
363	141.6	0.0	-7.6
364	116.1	0.0	-8.1
365	125.5	0.0	-9.1
366	120.6	0.0	-10.2
367	101.2	0.0	-11.3
368	100.6	0.0	-11.6
369	-27.9	-63.8	0.0
370	54.5	-54.8	0.0
371	45.3	-44.6	0.0
372	35.9	-31.7	0.0
373	23.3	-15.5	0.0
374	-68.2	1.7	0.0
375	-45.2	0.0	0.0
376	11.1	0.0	0.0
377	12.5	0.0	0.0
378	11.5	0.0	0.0
379	46.6	28.8	0.0
380	-63.3	0.0	44.0
381	-77.1	0.0	42.1

knp	Ry kN	RMx kNm	RMz kNm
382	-70.3	0.0	-48.6
383	30.5	0.0	0.0
384	15.4	0.0	0.0
385	19.7	0.0	0.0
386	10.3	0.0	0.0
387	50.3	36.7	0.0
388	-38.6	-74.0	0.0
389	63.2	-72.1	0.0
390	52.7	-71.4	0.0
391	55.0	-71.3	0.0
392	63.1	-72.1	0.0
393	-43.5	-74.0	0.0
394	39.5	0.0	0.0
395	39.8	0.0	0.0
396	42.4	0.0	0.0
397	41.2	0.0	0.0
398	34.1	0.0	0.0
399	40.6	0.0	0.0
400	37.8	0.0	0.0
401	35.1	0.0	0.0
402	36.8	0.0	0.0
403	37.1	0.0	0.0
404	35.3	0.0	0.0
405	37.7	0.0	0.0
406	39.4	0.0	0.0
407	39.7	0.0	0.0
408	42.7	0.0	0.0
409	40.4	0.0	0.0
410	33.9	0.0	0.0
411	40.8	0.0	0.0
412	27.8	-27.5	0.0
413	7.7	-8.5	0.0
414	3.4	0.0	-9.3
415	25.6	0.0	-18.8
416	33.1	0.0	-26.7
417	36.8	0.0	-30.3
418	29.2	0.0	-29.8
419	38.0	0.0	-30.3
420	10.9	0.0	0.0
421	15.1	0.0	0.0
422	-21.0	0.0	0.0
423	10.3	0.0	-30.9
424	47.9	0.0	-38.3

knp	Ry kN	RMx kNm	RMz kNm
425	47.2	32.2	0.0
426	62.2	36.7	0.0
427	30.6	-25.0	0.0
428	-20.2	-37.0	0.0
429	7.0	-8.2	0.0
430	6.8	0.0	-8.0
431	22.2	0.0	-16.5
432	30.7	0.0	-23.4
433	32.4	0.0	-26.5
434	31.7	0.0	-26.4
435	31.5	0.0	-26.3
436	9.0	0.0	0.0
437	13.0	0.0	0.0
438	-13.4	0.0	0.0
439	13.7	0.0	-27.9
440	42.6	0.0	-36.5
441	29.3	17.4	0.0
442	31.5	28.0	0.0
443	-52.9	50.2	0.0
444	40.8	0.0	0.0
445	33.1	0.0	0.0
446	35.8	0.0	0.0
447	30.8	0.0	0.0
448	15.6	0.0	0.0
449	-10.2	0.0	0.0
450	39.5	0.0	0.0
451	33.4	0.0	0.0
452	41.1	0.0	0.0
453	41.7	0.0	0.0
454	40.3	0.0	0.0
455	40.5	0.0	0.0
456	-10.0	0.0	0.0
457	16.1	0.0	0.0
458	31.0	0.0	0.0
459	37.2	0.0	0.0
460	37.9	0.0	0.0
461	38.7	0.0	0.0
462	77.1	0.0	-0.0
463	110.0	0.0	-0.2
464	124.7	0.0	-0.5
465	122.8	0.0	-1.0
466	110.9	0.0	-2.1
467	67.4	0.0	-3.9

knp	Ry kN	RMx kNm	RMz kNm
468	25.3	-15.4	0.0
1354	-98.7	26.7	0.0
1355	-119.0	0.0	0.0
1356	-93.7	31.5	0.0
1357	-155.2	0.0	0.0
1358	-151.0	0.0	0.0
1359	15.5	0.0	0.0
1360	-169.3	33.6	0.0
1361	5.0	0.0	0.0
1362	12.5	0.0	0.0
1363	-139.9	0.0	0.0
1364	-149.7	0.0	0.0
TOT	22793.7	-653.4	-354.5

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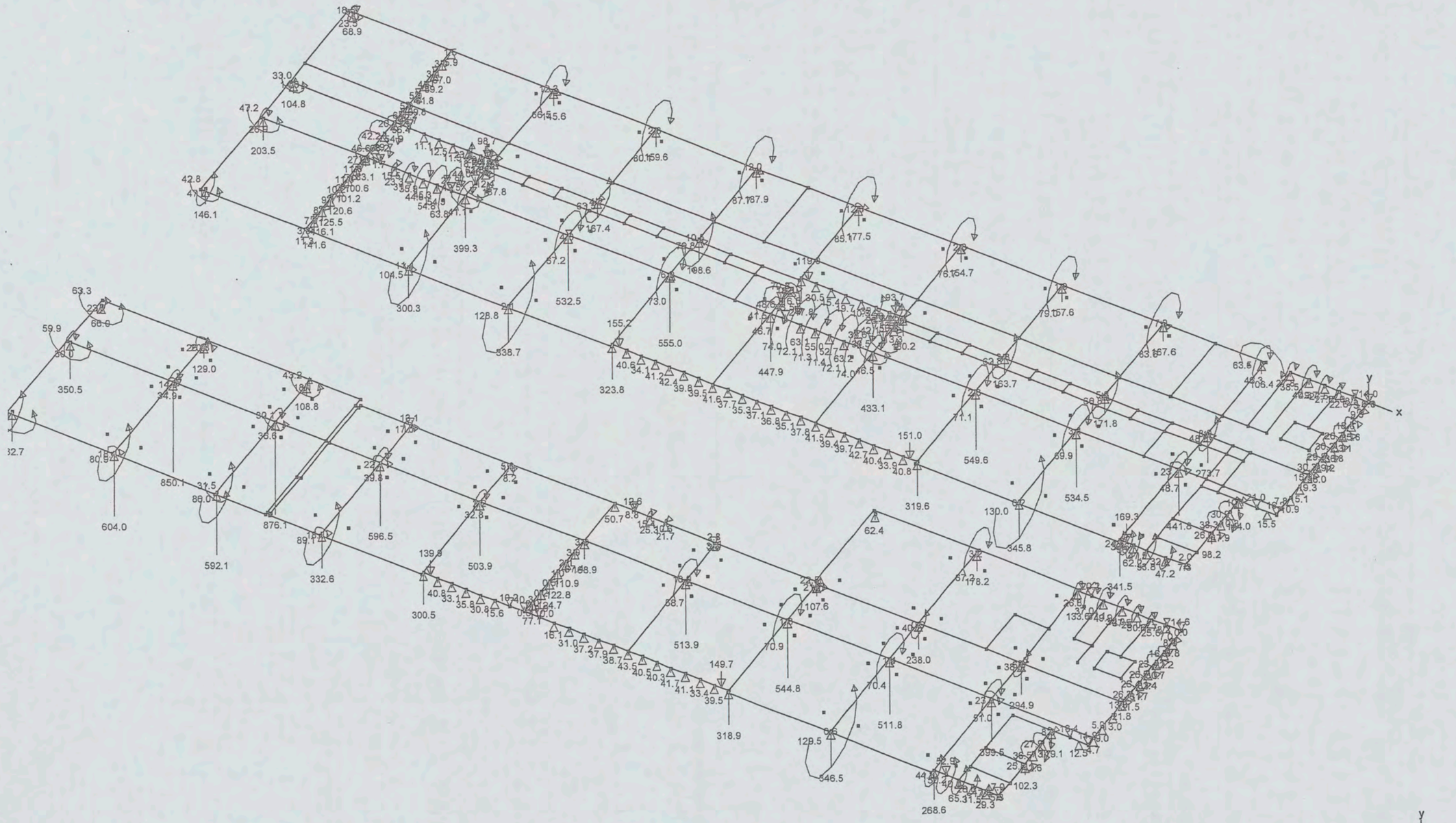
Serial No. 395

B106

Plot - Reacties (kN, kNm, kN/m) - UGT 5



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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

Patch Reference numbers on UTI

Serial No. 395

B107

Resultaten - Reakties - UGT 6

knp	Ry kN	RMx kNm	RMz kNm
6	38.2	-27.6	0.0
7	-14.0	0.1	0.0
8	-17.6	0.0	0.0
9	130.2	0.0	-7.6
10	3.2	5.0	0.0
14	6.5	0.0	0.0
16	193.9	18.4	0.0
33	155.0	-77.3	3.1
34	19.9	0.0	0.0
38	18.7	0.0	15.0
39	9.6	0.0	-9.4
40	7.9	0.0	-9.9
41	136.3	-63.0	22.0
45	18.5	0.0	15.8
47	161.4	-81.8	-3.4
55	188.8	-89.1	11.9
64	22.1	0.0	-19.0
66	178.0	-85.7	-13.2
67	19.9	0.0	0.0
68	158.6	-80.4	-1.7
71	168.5	-84.9	7.7
75	150.3	0.0	0.0
76	149.3	0.0	0.0
77	-14.6	-0.0	-0.0
78	-13.4	0.0	0.0
79	104.3	0.0	-6.1
80	0.1	3.7	0.0
81	162.1	60.2	0.4
82	149.9	47.9	47.3
83	233.4	-26.6	62.1
84	238.7	26.1	63.2
85	149.1	-49.8	42.3
86	105.9	-46.1	-63.8
87	19.9	0.0	-15.9
88	306.0	44.8	9.6
89	201.1	69.7	4.2
90	194.4	65.9	-1.4
91	229.0	80.0	8.8
92	197.1	66.8	-2.6
93	163.4	12.1	0.0
94	133.0	-26.7	0.0
95	130.0	22.3	0.0
101	3.7	0.0	0.0

knp	Ry kN	RMx kNm	RMz kNm
106	154.5	15.4	22.6
107	152.0	0.0	0.0
108	139.8	0.0	0.0
113	56.2	0.0	0.0
116	-19.3	0.0	-0.0
117	24.4	-9.6	0.0
119	22.5	0.0	-13.8
121	20.7	0.0	0.0
122	177.7	-66.7	-3.4
123	165.6	62.2	0.4
124	61.8	0.0	0.0
125	32.0	-3.8	5.2
126	48.4	-3.0	4.0
127	37.1	-3.4	-10.9
128	158.2	42.6	-10.2
137	427.8	-25.8	78.4
138	289.7	57.9	77.3
139	478.5	59.5	-35.2
140	301.4	37.4	24.4
141	181.6	-3.1	43.1
142	278.9	-14.1	-58.1
143	167.4	3.3	110.9
150	49.6	-40.2	0.0
155	22.6	-18.0	0.0
158	32.5	25.3	0.0
160	60.9	0.0	-14.2
166	37.5	-33.9	0.0
167	49.7	-36.9	0.0
175	25.6	-17.7	0.0
177	326.1	34.6	-4.1
181	37.1	21.5	0.0
182	63.7	0.0	-14.2
187	185.5	21.0	0.0
188	222.9	0.0	0.0
195	134.0	47.1	10.3
196	160.1	59.8	-0.1
197	126.3	0.0	-39.6
198	295.2	-31.7	1.3
201	221.2	-22.3	22.1
202	237.4	-22.6	-24.3
203	319.1	-24.6	5.1
204	314.0	-24.4	-2.0
205	307.5	-23.7	2.5

knp	Ry kN	RMx kNm	RMz kNm
211	259.8	-21.8	-10.9
212	139.0	0.0	-3.8
213	284.0	34.7	-0.1
214	290.2	-24.9	6.6
215	286.5	-13.3	-0.3
216	336.8	-16.6	-13.8
217	424.6	-13.7	26.0
218	764.1	-22.1	-34.4
220	217.6	-25.2	-10.9
223	204.7	-19.5	23.9
224	306.2	-22.6	-3.2
225	72.2	0.0	-18.4
226	130.7	-1.6	-39.6
227	265.8	-33.5	0.4
331	26.4	35.8	0.0
332	15.6	19.8	0.0
333	-11.0	-8.2	0.0
356	106.5	0.0	-19.2
357	90.6	0.0	-19.9
358	96.2	0.0	-20.5
359	109.5	0.0	-20.5
360	97.2	0.0	-15.1
361	56.9	0.0	-75.0
362	56.3	0.0	-74.6
363	107.3	0.0	-20.1
364	87.0	0.0	-20.7
365	95.6	0.0	-21.1
366	94.5	0.0	-21.0
367	84.8	0.0	-20.1
368	111.5	0.0	-17.8
369	-21.2	-27.9	0.0
370	25.3	-22.3	0.0
371	18.3	-15.8	0.0
372	10.2	-7.7	0.0
373	6.5	2.1	0.0
374	-101.9	11.8	0.0
375	-92.0	0.0	0.0
376	9.3	0.0	0.0
377	8.2	0.0	0.0
378	10.4	0.0	0.0
379	45.6	26.7	0.0
380	-16.9	0.0	33.2
381	-24.8	0.0	31.6

knp	Ry kN	RMx kNm	RMz kNm
382	-18.7	0.0	-38.1
383	31.0	0.0	0.0
384	15.2	0.0	0.0
385	19.6	0.0	0.0
386	10.2	0.0	0.0
387	51.0	37.1	0.0
388	-26.1	-35.2	0.0
389	30.8	-34.2	0.0
390	25.0	-33.9	0.0
391	26.0	-33.8	0.0
392	30.9	-34.2	0.0
393	-31.4	-35.3	0.0
394	18.8	0.0	0.0
395	19.1	0.0	0.0
396	20.3	0.0	0.0
397	19.7	0.0	0.0
398	16.1	0.0	0.0
399	18.9	0.0	0.0
400	18.1	0.0	0.0
401	16.8	0.0	0.0
402	17.6	0.0	0.0
403	17.7	0.0	0.0
404	16.9	0.0	0.0
405	18.0	0.0	0.0
406	18.8	0.0	0.0
407	19.0	0.0	0.0
408	20.4	0.0	0.0
409	19.3	0.0	0.0
410	16.0	0.0	0.0
411	19.1	0.0	0.0
412	27.9	-27.5	0.0
413	7.7	-8.5	0.0
414	3.3	0.0	-9.3
415	25.6	0.0	-18.8
416	33.1	0.0	-26.7
417	36.7	0.0	-30.5
418	29.3	0.0	-30.1
419	38.7	0.0	-31.0
420	11.1	0.0	0.0
421	15.9	0.0	0.0
422	-16.4	0.0	0.0
423	-11.3	0.0	-17.8
424	25.4	0.0	-20.7

knp	Ry kN	RMx kNm	RMz kNm
425	27.4	18.3	0.0
426	31.0	18.8	0.0
427	30.6	-25.0	0.0
428	-20.1	-36.7	0.0
429	7.0	-8.2	0.0
430	6.8	0.0	-8.0
431	22.2	0.0	-16.5
432	30.6	0.0	-23.5
433	32.4	0.0	-26.6
434	31.9	0.0	-26.8
435	32.1	0.0	-27.0
436	9.6	0.0	0.0
437	13.6	0.0	0.0
438	-9.0	0.0	0.0
439	-6.3	0.0	-15.5
440	21.8	0.0	-19.8
441	17.1	10.2	0.0
442	18.5	15.6	0.0
443	-23.3	26.0	0.0
444	19.3	0.0	0.0
445	15.8	0.0	0.0
446	17.2	0.0	0.0
447	14.8	0.0	0.0
448	7.4	0.0	0.0
449	-5.0	0.0	0.0
450	18.8	0.0	0.0
451	15.9	0.0	0.0
452	19.7	0.0	0.0
453	20.0	0.0	0.0
454	19.3	0.0	0.0
455	19.2	0.0	0.0
456	-4.8	0.0	0.0
457	7.7	0.0	0.0
458	14.8	0.0	0.0
459	17.8	0.0	0.0
460	18.0	0.0	0.0
461	18.4	0.0	0.0
462	36.8	0.0	-0.0
463	52.4	0.0	-0.2
464	59.5	0.0	-0.4
465	58.3	0.0	-1.0
466	54.9	0.0	-2.0
467	21.0	0.0	-3.7

knp	Ry kN	RMx kNm	RMz kNm
468	22.5	-13.1	0.0
1354	-103.1	25.8	0.0
1355	-122.6	0.0	0.0
1356	-97.3	32.0	0.0
1357	-72.0	0.0	0.0
1358	-70.5	0.0	0.0
1359	11.4	0.0	0.0
1360	-79.9	16.8	0.0
1361	4.5	0.0	0.0
1362	8.4	0.0	0.0
1363	-64.7	0.0	0.0
1364	-71.4	0.0	0.0
TOT	17163.1	-445.1	-436.4

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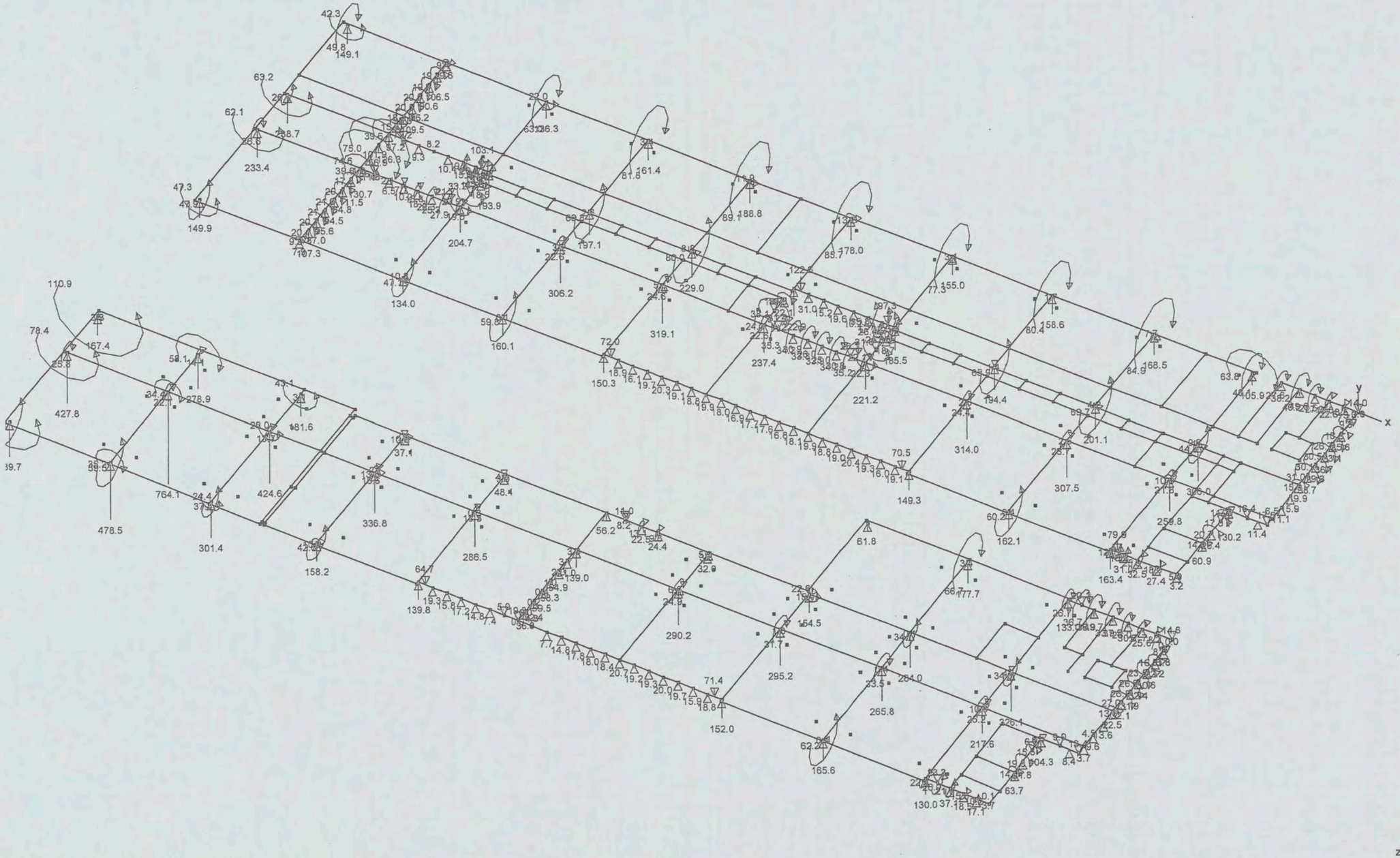
Image Engineering Scan Reference Chart TE263 Serial No. 395
Patch Reference Conditions ISO 12777

B108

Plot - Reacties (kN, kNm, kN/m) - UGT 6



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Patch Reference numbers on UT7

Serial No. 395

Resultaten - Reakties - UGT 7

knp	Ry kN	RMx kNm	RMz kNm
6	38.2	-27.6	0.0
7	-14.0	0.1	0.0
8	-17.6	0.0	0.0
9	130.2	0.0	-7.6
10	3.2	5.0	0.0
14	6.5	0.0	0.0
16	206.2	25.8	0.0
33	155.0	-77.3	3.1
34	19.9	0.0	0.0
38	18.7	0.0	15.0
39	13.6	0.0	5.3
40	12.3	0.0	4.9
41	229.3	-100.8	-30.7
45	19.2	0.0	14.7
47	158.5	-82.6	-1.1
55	188.7	-89.1	11.9
64	22.1	0.0	-19.0
66	178.0	-85.7	-13.2
67	19.9	0.0	0.0
68	158.6	-80.4	-1.7
71	168.5	-84.9	7.7
75	151.8	0.0	0.0
76	149.3	0.0	0.0
77	-14.6	-0.0	-0.0
78	-13.4	0.0	0.0
79	104.3	0.0	-6.1
80	0.1	3.7	0.0
81	162.1	60.2	0.4
82	64.0	21.5	16.9
83	109.4	-11.8	27.5
84	115.6	11.6	28.4
85	63.2	-22.0	14.3
86	105.9	-46.1	-63.8
87	19.9	0.0	-15.9
88	306.0	44.8	9.6
89	201.1	69.7	4.2
90	194.4	65.9	-1.4
91	228.8	80.0	8.8
92	197.3	67.9	-2.9
93	163.4	12.1	0.0
94	133.0	-26.7	0.0
95	130.0	22.3	0.0
101	3.7	0.0	0.0

knp	Ry kN	RMx kNm	RMz kNm
106	154.5	15.4	22.6
107	152.0	0.0	0.0
108	139.8	0.0	0.0
113	56.2	0.0	0.0
116	-19.3	0.0	-0.0
117	24.4	-9.6	0.0
119	22.5	0.0	-13.8
121	20.7	0.0	0.0
122	177.7	-66.7	-3.4
123	165.6	62.2	0.4
124	61.8	0.0	0.0
125	32.0	-3.8	5.2
126	48.4	-3.0	4.0
127	37.1	-3.4	-10.9
128	158.2	42.6	-10.2
137	155.7	-10.9	26.1
138	135.2	23.5	32.1
139	481.2	58.3	14.7
140	442.7	56.2	-18.5
141	250.1	-5.7	-30.7
142	283.3	-14.3	22.2
143	86.7	10.5	41.8
150	49.6	-40.2	0.0
155	22.6	-18.0	0.0
158	32.5	25.3	0.0
160	60.9	0.0	-14.2
166	37.5	-33.9	0.0
167	49.7	-36.9	0.0
175	25.6	-17.7	0.0
177	326.1	34.6	-4.1
181	37.1	21.5	0.0
182	63.7	0.0	-14.2
187	185.5	21.0	0.0
188	222.9	0.0	0.0
195	225.7	74.2	-16.5
196	153.9	60.0	2.7
197	26.3	0.0	-15.6
198	295.2	-31.7	1.3
201	221.2	-22.3	22.1
202	237.4	-22.6	-24.3
203	319.3	-24.7	5.1
204	314.0	-24.4	-2.0
205	307.5	-23.7	2.5

knp	Ry kN	RMx kNm	RMz kNm
211	259.8	-21.8	-10.9
212	139.0	0.0	-3.8
213	284.0	34.7	-0.1
214	290.2	-24.9	6.6
215	286.5	-13.3	-0.3
216	336.8	-16.6	-13.8
217	698.3	-21.4	-18.5
218	754.9	-21.4	16.5
220	217.6	-25.2	-10.9
223	245.1	-27.3	25.5
224	305.4	-23.1	-3.1
225	65.1	0.0	1.3
226	40.9	-0.6	-15.9
227	265.8	-33.5	0.4
331	26.4	35.8	0.0
332	45.9	43.6	0.0
333	-11.0	-8.2	0.0
356	102.0	0.0	10.8
357	90.5	0.0	10.0
358	93.1	0.0	8.4
359	104.5	0.0	5.9
360	70.1	0.0	-1.9
361	28.8	0.0	-32.9
362	27.8	0.0	-32.6
363	105.6	0.0	9.3
364	84.1	0.0	8.1
365	89.3	0.0	6.2
366	84.8	0.0	3.5
367	68.3	0.0	-0.0
368	58.3	0.0	-3.6
369	-1.0	-51.3	0.0
370	52.9	-50.0	0.0
371	49.5	-45.3	0.0
372	42.0	-36.1	0.0
373	30.0	-22.3	0.0
374	-30.8	-6.0	0.0
375	-33.0	0.0	0.0
376	25.1	0.0	0.0
377	32.2	0.0	0.0
378	28.0	0.0	0.0
379	70.8	48.4	0.0
380	-36.3	0.0	31.9
381	-24.8	0.0	31.6

knp	Ry kN	RMx kNm	RMz kNm
382	-18.7	0.0	-38.1
383	31.0	0.0	0.0
384	15.2	0.0	0.0
385	19.6	0.0	0.0
386	10.2	0.0	0.0
387	51.0	37.1	0.0
388	-26.1	-35.2	0.0
389	30.8	-34.2	0.0
390	25.0	-33.9	0.0
391	26.0	-33.8	0.0
392	30.9	-34.2	0.0
393	-31.4	-35.3	0.0
394	18.8	0.0	0.0
395	19.1	0.0	0.0
396	20.3	0.0	0.0
397	19.7	0.0	0.0
398	16.0	0.0	0.0
399	18.9	0.0	0.0
400	18.1	0.0	0.0
401	16.8	0.0	0.0
402	17.6	0.0	0.0
403	17.7	0.0	0.0
404	16.9	0.0	0.0
405	18.0	0.0	0.0
406	18.8	0.0	0.0
407	19.0	0.0	0.0
408	20.4	0.0	0.0
409	19.3	0.0	0.0
410	16.0	0.0	0.0
411	19.1	0.0	0.0
412	27.9	-27.5	0.0
413	7.7	-8.5	0.0
414	3.3	0.0	-9.3
415	25.6	0.0	-18.8
416	33.1	0.0	-26.7
417	36.7	0.0	-30.5
418	29.3	0.0	-30.1
419	38.7	0.0	-31.0
420	11.1	0.0	0.0
421	15.9	0.0	0.0
422	-16.4	0.0	0.0
423	-11.3	0.0	-17.8
424	25.4	0.0	-20.7

knp	Ry kN	RMx kNm	RMz kNm
425	27.4	18.3	0.0
426	31.0	18.8	0.0
427	30.6	-25.0	0.0
428	-20.1	-36.7	0.0
429	7.0	-8.2	0.0
430	6.8	0.0	-8.0
431	22.2	0.0	-16.5
432	30.6	0.0	-23.5
433	32.4	0.0	-26.6
434	31.9	0.0	-26.8
435	32.1	0.0	-27.0
436	9.6	0.0	0.0
437	13.6	0.0	0.0
438	-9.0	0.0	0.0
439	-6.3	0.0	-15.5
440	21.8	0.0	-19.8
441	17.1	10.2	0.0
442	18.5	15.6	0.0
443	-23.3	26.0	0.0
444	19.3	0.0	0.0
445	15.8	0.0	0.0
446	17.2	0.0	0.0
447	14.8	0.0	0.0
448	7.4	0.0	0.0
449	-5.0	0.0	0.0
450	18.8	0.0	0.0
451	15.9	0.0	0.0
452	19.7	0.0	0.0
453	20.0	0.0	0.0
454	19.3	0.0	0.0
455	19.2	0.0	0.0
456	-4.8	0.0	0.0
457	7.7	0.0	0.0
458	14.8	0.0	0.0
459	17.8	0.0	0.0
460	18.0	0.0	0.0
461	18.4	0.0	0.0
462	36.8	0.0	-0.0
463	52.4	0.0	-0.2
464	59.5	0.0	-0.4
465	58.3	0.0	-1.0
466	54.9	0.0	-2.0
467	21.0	0.0	-3.7

knp	Ry kN	RMx kNm	RMz kNm
468	22.5	-13.1	0.0
1354	-95.1	40.7	0.0
1355	-122.6	0.0	0.0
1356	-97.3	32.0	0.0
1357	-72.9	0.0	0.0
1358	-70.5	0.0	0.0
1359	11.4	0.0	0.0
1360	-79.9	16.8	0.0
1361	4.5	0.0	0.0
1362	8.4	0.0	0.0
1363	-64.7	0.0	0.0
1364	-71.4	0.0	0.0
TOT	16937.3	-549.3	-332.8

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C1 B1 A1 C2 B2 A5 B5 A2 20 18 17 16 11 10 09 03 02 01 C7 B7 A7 C8 B8 A8 C9 B9
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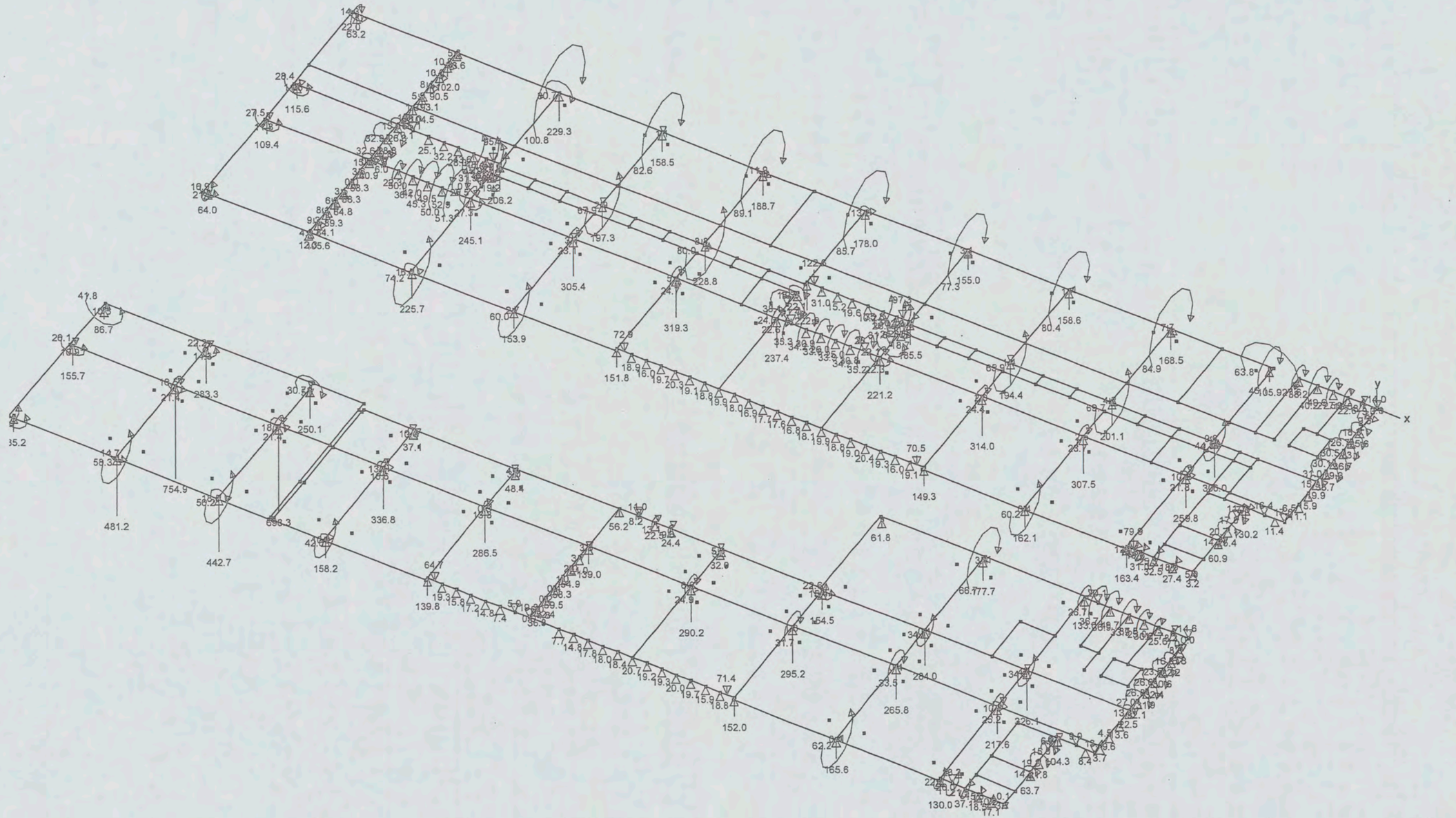
B110

Plot - Reacties (kN, kNm, kN/m) - UGT 7



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Resultaten - Reakties - UGT 8

knp	Ry kN	RMx kNm	RMz kNm
6	38.2	-27.6	0.0
7	-14.0	0.1	0.0
8	-17.6	0.0	0.0
9	130.2	0.0	-7.6
10	3.2	5.0	0.0
14	6.5	0.0	0.0
16	397.5	33.3	0.0
33	155.0	-77.3	3.1
34	19.9	0.0	0.0
38	18.7	0.0	15.0
39	1.6	0.0	-2.1
40	0.1	0.0	-3.1
41	235.2	-110.0	63.2
45	38.0	0.0	35.7
47	250.3	-124.4	-53.1
55	184.6	-89.1	15.6
64	22.2	0.0	-19.4
66	178.2	-85.9	-13.4
67	19.9	0.0	0.0
68	158.6	-80.4	-1.7
71	168.5	-84.9	7.7
75	129.3	0.0	0.0
76	149.3	0.0	0.0
77	-14.6	-0.0	-0.0
78	-13.4	0.0	0.0
79	104.3	0.0	-6.1
80	0.1	3.7	0.0
81	162.1	60.2	0.4
82	70.1	22.5	21.4
83	111.6	-12.4	29.4
84	118.2	12.3	30.4
85	69.2	-23.4	18.6
86	105.9	-46.1	-63.8
87	19.9	0.0	-15.9
88	306.0	44.8	9.6
89	201.1	69.7	4.2
90	194.4	65.9	-1.4
91	222.1	80.0	12.0
92	303.1	101.0	-30.7
93	163.4	12.1	0.0
94	133.0	-26.7	0.0
95	130.0	22.3	0.0
101	3.7	0.0	0.0

knp	Ry kN	RMx kNm	RMz kNm
106	154.5	15.4	22.5
107	151.9	0.0	0.0
108	77.4	0.0	0.0
113	62.7	0.0	0.0
116	-19.5	0.0	-0.0
117	24.0	-9.3	0.0
119	22.5	0.0	-13.8
121	20.7	0.0	0.0
122	177.7	-66.7	-3.4
123	165.6	62.2	0.4
124	61.8	0.0	0.0
125	32.1	-3.8	5.3
126	37.5	-1.7	12.4
127	59.7	-7.7	-47.2
128	254.6	69.6	-50.6
137	182.3	-11.2	37.1
138	156.0	24.2	42.6
139	283.9	30.7	-20.2
140	475.7	66.5	63.8
141	255.7	-25.0	102.2
142	186.7	2.7	-36.1
143	105.6	7.7	62.8
150	49.6	-40.2	0.0
155	22.6	-18.0	0.0
158	32.5	25.3	0.0
160	60.9	0.0	-14.2
166	37.5	-33.9	0.0
167	49.7	-36.9	0.0
175	25.6	-17.7	0.0
177	326.1	34.6	-4.1
181	37.1	21.5	0.0
182	63.7	0.0	-14.2
187	185.5	21.0	0.0
188	225.2	0.0	0.0
195	234.1	82.7	32.6
196	247.7	90.9	-26.9
197	50.6	0.0	-18.4
198	295.3	-31.7	1.3
201	221.2	-22.3	22.1
202	240.4	-22.8	-24.8
203	303.4	-25.0	10.1
204	314.0	-24.4	-2.0
205	307.5	-23.7	2.5

knp	Ry kN	RMx kNm	RMz kNm
211	259.8	-21.8	-10.9
212	145.9	0.0	-5.4
213	284.0	34.7	-0.1
214	289.5	-24.9	6.8
215	242.6	-12.1	8.5
216	554.6	-26.0	-60.6
217	814.1	-23.3	66.9
218	355.9	-11.6	-19.3
220	217.6	-25.2	-10.9
223	401.4	-35.2	50.6
224	474.8	-34.4	-36.4
225	45.7	0.0	-5.3
226	56.2	-0.7	-18.2
227	265.8	-33.5	0.4
331	26.4	35.8	0.0
332	10.8	31.4	0.0
333	-15.3	-8.1	0.0
356	64.9	0.0	-3.5
357	60.7	0.0	-3.3
358	63.2	0.0	-3.6
359	71.1	0.0	-4.4
360	55.9	0.0	-5.5
361	28.7	0.0	-35.9
362	27.6	0.0	-35.4
363	64.1	0.0	-5.4
364	55.8	0.0	-5.2
365	60.8	0.0	-5.4
366	58.8	0.0	-5.9
367	49.4	0.0	-6.6
368	54.8	0.0	-7.1
369	-66.5	-43.5	0.0
370	30.3	-33.0	0.0
371	18.8	-24.0	0.0
372	15.5	-15.8	0.0
373	10.6	-6.9	0.0
374	-44.0	1.9	0.0
375	-42.8	0.0	0.0
376	9.8	0.0	0.0
377	11.0	0.0	0.0
378	8.2	0.0	0.0
379	77.6	43.6	0.0
380	-17.8	0.0	75.1
381	-24.8	0.0	31.6

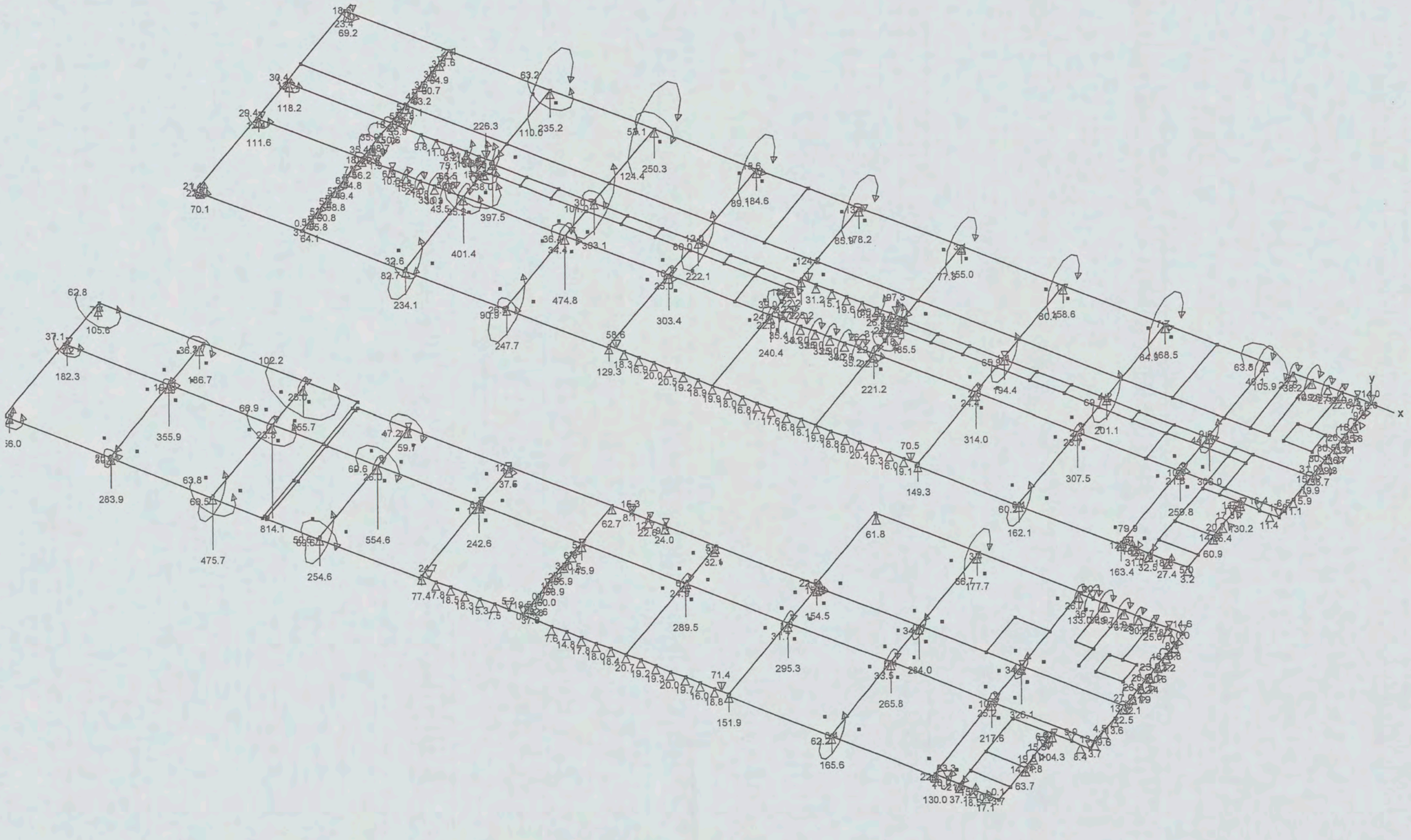
knp	Ry kN	RMx kNm	RMz kNm
382	-18.5	0.0	-39.0
383	31.2	0.0	0.0
384	15.1	0.0	0.0
385	19.6	0.0	0.0
386	10.2	0.0	0.0
387	51.0	37.1	0.0
388	-26.1	-35.2	0.0
389	30.8	-34.2	0.0
390	25.0	-33.9	0.0
391	26.0	-33.9	0.0
392	31.0	-34.2	0.0
393	-32.5	-35.4	0.0
394	18.9	0.0	0.0
395	19.2	0.0	0.0
396	20.5	0.0	0.0
397	20.0	0.0	0.0
398	16.9	0.0	0.0
399	18.3	0.0	0.0
400	18.1	0.0	0.0
401	16.8	0.0	0.0
402	17.6	0.0	0.0
403	17.7	0.0	0.0
404	16.8	0.0	0.0
405	18.0	0.0	0.0
406	18.8	0.0	0.0
407	19.0	0.0	0.0
408	20.4	0.0	0.0
409	19.3	0.0	0.0
410	16.0	0.0	0.0
411	19.1	0.0	0.0
412	27.9	-27.5	0.0
413	7.7	-8.5	0.0
414	3.3	0.0	-9.3
415	25.6	0.0	-18.8
416	33.1	0.0	-26.7
417	36.7	0.0	-30.5
418	29.3	0.0	-30.1
419	38.7	0.0	-31.0
420	11.1	0.0	0.0
421	15.9	0.0	0.0
422	-16.4	0.0	0.0
423	-11.3	0.0	-17.8
424	25.4	0.0	-20.7

knp	Ry kN	RMx kNm	RMz kNm
425	27.4	18.3	0.0
426	31.0	18.8	0.0
427	30.6	-25.0	0.0
428	-20.1	-38.7	0.0
429	7.0	-8.2	0.0
430	6.8	0.0	-8.0
431	22.2	0.0	-16.5
432	30.6	0.0	-23.5
433	32.4	0.0	-26.6
434	31.9	0.0	-26.8
435	32.1	0.0	-27.0
436	9.6	0.0	0.0
437	13.6	0.0	0.0
438	-9.0	0.0	0.0
439	-6.3	0.0	-15.5
440	21.8	0.0	-19.8
441	17.1	10.2	0.0
442	18.5	15.6	0.0
443	-23.3	26.0	0.0
444	17.8	0.0	0.0
445	18.5	0.0	0.0
446	18.3	0.0	0.0
447	15.3	0.0	0.0
448	7.5	0.0	0.0
449	-5.2	0.0	0.0
450	18.8	0.0	0.0
451	16.0	0.0	0.0
452	19.7	0.0	0.0
453	20.0	0.0	0.0
454	19.3	0.0	0.0
455	19.2	0.0	0.0
456	-4.8	0.0	0.0
457	7.6	0.0	0.0
458	14.8	0.0	0.0
459	17.8	0.0	0.0
460	18.0	0.0	0.0
461	18.4	0.0	0.0
462	37.0	0.0	-0.3
463	52.6	0.0	-0.7
464	60.0	0.0	-1.3
465	58.9	0.0	-2.2
466	55.9	0.0	-3.7
467	20.5	0.0	-6.0

knp	Ry kN	RMx kNm	RMz kNm
468	22.6	-12.7	0.0
1354	-226.3	44.5	0.0
1355	-124.2	0.0	0.0
1356	-97.3	32.0	0.0
1357	-58.6	0.0	0.0
1358	-70.5	0.0	0.0
1359	11.4	0.0	0.0
1360	-79.9	16.8	0.0
1361	4.5	0.0	0.0
1362	8.4	0.0	0.0
1363	-24.7	0.0	0.0
1364	-71.4	0.0	0.0
TOT	16884.2	-461.5	-266.8

B112

Plot - Reacties (kN, kNm, kN/m) - UGT 8



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Resultaten - Reakties - UGT 9

knp	Ry kN	RMx kNm	RMz kNm
6	38.2	-27.6	0.0
7	-14.0	0.1	0.0
8	-17.6	0.0	0.0
9	130.2	0.0	-7.6
10	3.2	5.0	0.0
14	6.5	0.0	0.0
16	173.5	18.8	0.0
33	155.2	-77.4	3.0
34	19.9	0.0	0.0
38	18.7	0.0	15.0
39	6.0	0.0	-1.5
40	5.3	0.0	-1.8
41	141.6	-66.9	8.8
45	17.4	0.0	12.1
47	250.7	-124.8	48.3
55	278.3	-129.5	-38.8
64	20.8	0.0	-15.5
66	173.6	-85.9	-9.4
67	19.5	0.0	0.0
68	158.5	-80.4	-1.7
71	168.5	-84.9	7.7
75	325.5	0.0	0.0
76	149.3	0.0	0.0
77	-14.6	-0.0	-0.0
78	-13.4	0.0	0.0
79	104.3	0.0	-6.1
80	0.1	3.7	0.0
81	162.1	60.2	0.4
82	69.4	22.5	20.9
83	111.5	-12.4	29.3
84	118.4	12.3	30.5
85	69.0	-23.4	18.5
86	105.9	-46.1	-63.8
87	19.9	0.0	-15.9
88	306.0	44.8	9.6
89	201.1	69.7	4.2
90	194.4	65.9	-1.4
91	337.8	114.9	-21.4
92	306.4	102.0	26.6
93	163.4	12.1	0.0
94	133.0	-26.7	0.0
95	130.0	22.3	0.0
101	3.7	0.0	0.0

knp	Ry kN	RMx kNm	RMz kNm
106	154.4	15.4	22.6
107	152.0	0.0	0.0
108	339.2	0.0	0.0
113	39.2	0.0	0.0
116	-20.1	0.0	0.0
117	25.4	-10.1	0.0
119	22.5	0.0	-13.8
121	20.7	0.0	0.0
122	177.7	-66.7	-3.4
123	165.6	62.2	0.4
124	61.8	0.0	0.0
125	31.7	-3.8	5.2
126	78.5	-5.1	-15.3
127	60.7	-3.5	17.8
128	233.6	60.8	20.0
137	173.7	-10.9	33.6
138	150.2	23.6	39.4
139	323.7	34.4	-10.3
140	316.6	37.2	17.2
141	195.7	-5.9	28.3
142	211.7	-3.7	-17.9
143	100.5	8.2	56.6
150	49.6	-40.2	0.0
155	22.6	-18.0	0.0
158	32.5	25.3	0.0
160	60.9	0.0	-14.2
166	37.5	-33.9	0.0
167	49.7	-36.9	0.0
175	25.6	-17.7	0.0
177	326.1	34.6	-4.1
181	37.1	21.5	0.0
182	63.7	0.0	-14.2
187	185.4	21.0	0.0
188	206.0	0.0	0.0
195	134.9	48.6	1.6
196	247.4	91.3	28.0
197	52.1	0.0	-18.5
198	295.1	-31.7	1.3
201	221.2	-22.3	22.1
202	221.6	-22.1	-21.4
203	500.3	-38.6	-29.8
204	314.0	-24.4	-2.0
205	307.5	-23.7	2.5

knp	Ry kN	RMx kNm	RMz kNm
211	259.8	-21.8	-10.9
212	120.0	0.0	0.1
213	284.0	34.7	-0.1
214	291.5	-25.0	6.3
215	488.2	-22.9	-23.9
216	488.2	-24.7	21.2
217	444.0	-13.4	18.3
218	427.9	-12.6	-9.2
220	217.6	-25.2	-10.9
223	186.3	-19.0	20.2
224	479.8	-33.5	32.4
225	45.2	0.0	-5.6
226	56.0	-0.7	-18.2
227	265.8	-33.5	0.4
331	26.5	35.9	0.0
332	18.5	23.4	0.0
333	0.2	-8.4	0.0
356	67.1	0.0	-2.9
357	59.4	0.0	-3.3
358	62.0	0.0	-3.9
359	70.2	0.0	-4.8
360	55.8	0.0	-5.6
361	28.7	0.0	-35.9
362	27.6	0.0	-35.4
363	68.5	0.0	-3.7
364	55.8	0.0	-4.1
365	60.4	0.0	-4.8
366	58.4	0.0	-5.6
367	49.6	0.0	-6.5
368	55.1	0.0	-7.0
369	-12.9	-29.9	0.0
370	26.4	-26.0	0.0
371	21.8	-21.1	0.0
372	16.8	-14.8	0.0
373	11.7	-6.8	0.0
374	-43.6	1.9	0.0
375	-42.2	0.0	0.0
376	10.8	0.0	0.0
377	12.6	0.0	0.0
378	11.4	0.0	0.0
379	45.8	29.3	0.0
380	-21.8	0.0	25.3
381	-24.8	0.0	31.6

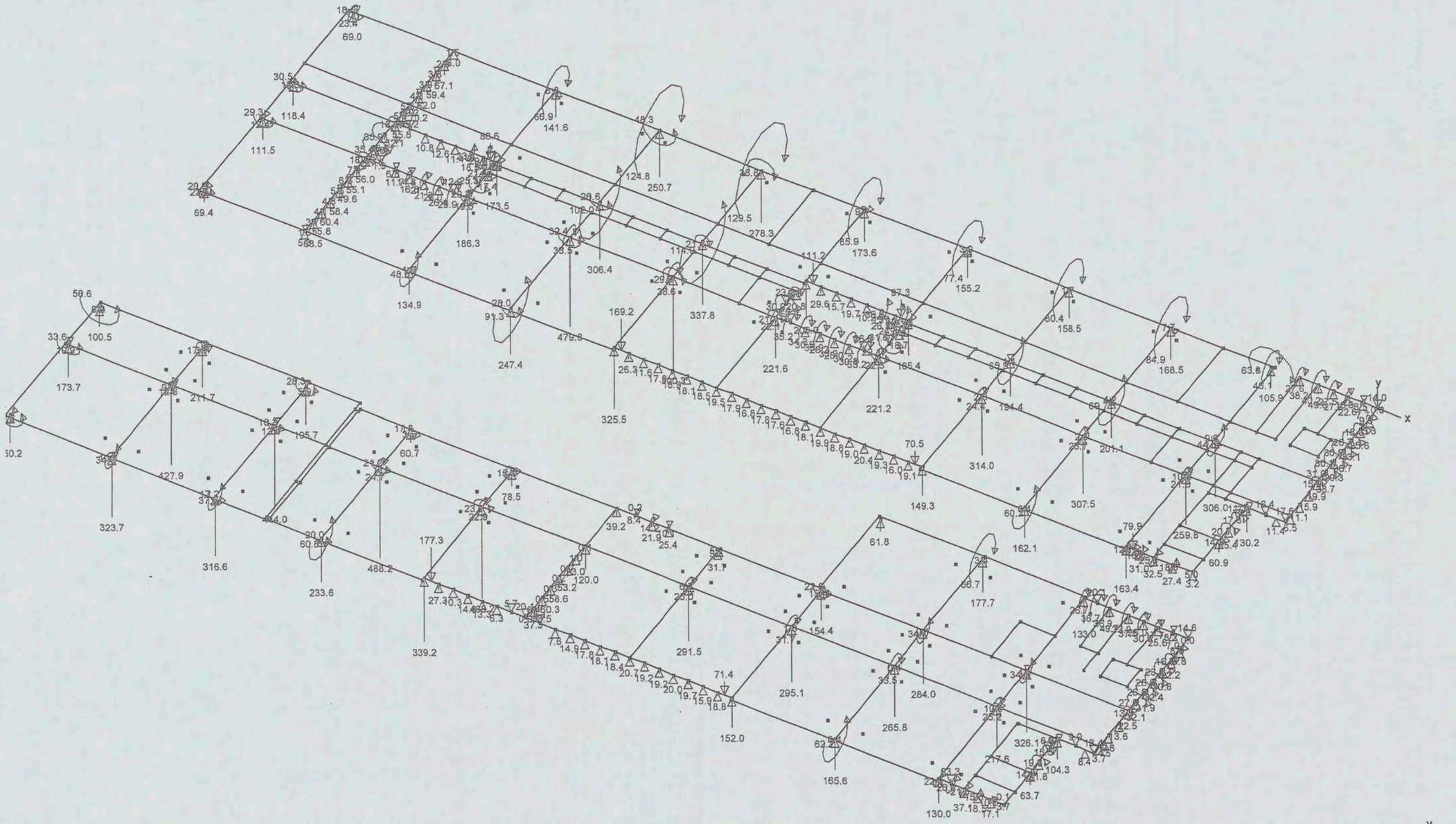
knp	Ry kN	RMx kNm	RMz kNm
382	-23.2	0.0	-30.9
383	29.6	0.0	0.0
384	15.7	0.0	0.0
385	19.7	0.0	0.0
386	10.2	0.0	0.0
387	51.1	37.1	0.0
388	-26.0	-35.2	0.0
389	30.8	-34.2	0.0
390	25.0	-33.9	0.0
391	26.2	-33.9	0.0
392	30.5	-34.3	0.0
393	-24.4	-35.2	0.0
394	18.5	0.0	0.0
395	18.1	0.0	0.0
396	18.9	0.0	0.0
397	17.9	0.0	0.0
398	11.6	0.0	0.0
399	26.3	0.0	0.0
400	18.1	0.0	0.0
401	16.8	0.0	0.0
402	17.6	0.0	0.0
403	17.8	0.0	0.0
404	16.8	0.0	0.0
405	17.9	0.0	0.0
406	18.8	0.0	0.0
407	19.0	0.0	0.0
408	20.4	0.0	0.0
409	19.3	0.0	0.0
410	16.0	0.0	0.0
411	19.1	0.0	0.0
412	27.9	-27.5	0.0
413	7.7	-8.5	0.0
414	3.3	0.0	-9.3
415	25.6	0.0	-18.8
416	33.1	0.0	-26.7
417	36.7	0.0	-30.5
418	29.3	0.0	-30.1
419	38.7	0.0	-31.0
420	11.1	0.0	0.0
421	15.9	0.0	0.0
422	-16.4	0.0	0.0
423	-11.3	0.0	-17.8
424	25.4	0.0	-20.7

knp	Ry kN	RMx kNm	RMz kNm
425	27.4	18.3	0.0
426	31.0	18.8	0.0
427	30.6	-25.0	0.0
428	-20.1	-36.7	0.0
429	7.0	-8.2	0.0
430	6.8	0.0	-8.0
431	22.2	0.0	-16.5
432	30.6	0.0	-23.5
433	32.4	0.0	-26.6
434	31.9	0.0	-26.8
435	32.1	0.0	-27.0
436	9.6	0.0	0.0
437	13.6	0.0	0.0
438	-9.0	0.0	0.0
439	-6.3	0.0	-15.5
440	21.8	0.0	-19.8
441	17.1	10.2	0.0
442	18.5	15.6	0.0
443	-23.3	26.0	0.0
444	27.3	0.0	0.0
445	10.3	0.0	0.0
446	14.8	0.0	0.0
447	13.3	0.0	0.0
448	6.3	0.0	0.0
449	-5.7	0.0	0.0
450	18.8	0.0	0.0
451	15.9	0.0	0.0
452	19.7	0.0	0.0
453	20.0	0.0	0.0
454	19.2	0.0	0.0
455	19.2	0.0	0.0
456	-5.1	0.0	0.0
457	7.6	0.0	0.0
458	14.9	0.0	0.0
459	17.8	0.0	0.0
460	18.1	0.0	0.0
461	18.4	0.0	0.0
462	37.3	0.0	-0.4
463	53.5	0.0	-0.5
464	60.3	0.0	-0.3
465	58.6	0.0	0.2
466	53.2	0.0	0.7
467	23.0	0.0	1.0

knp	Ry kN	RMx kNm	RMz kNm
468	21.9	-14.2	0.0
1354	-88.6	27.2	0.0
1355	-111.2	0.0	0.0
1356	-97.3	32.1	0.0
1357	-169.2	0.0	0.0
1358	-70.5	0.0	0.0
1359	11.4	0.0	0.0
1360	-79.9	16.8	0.0
1361	4.5	0.0	0.0
1362	8.4	0.0	0.0
1363	-177.3	0.0	0.0
1364	-71.4	0.0	0.0
TOT	16685.4	-506.0	-244.0

B114

Plot - Reacties (kN, kNm, kN/m) - UGT 9



the scale towards document
C1 B1 A1 C2 B2 A5 B5 A2 20 18 17 16 11 10 09 03 02 01 C7 B7 A7 C8 B8 A8 C9 B9
Patch Reference numbers on UFT

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Resultaten - Reakties - UGT 10

knp	Ry kN	RMx kNm	RMz kNm
6	38.2	-27.6	0.0
7	-14.0	0.1	0.0
8	-17.6	0.0	0.0
9	130.2	0.0	-7.6
10	3.2	5.0	0.0
14	6.5	0.0	0.0
16	194.2	19.1	0.0
33	151.6	-78.7	5.5
34	19.5	0.0	0.0
38	18.6	0.0	14.8
39	6.0	0.0	-1.5
40	5.0	0.0	-2.0
41	146.2	-67.2	12.7
45	18.5	0.0	15.9
47	156.2	-81.7	-6.5
55	278.4	-129.3	63.0
64	42.3	0.0	-39.4
66	273.1	-130.1	-63.0
67	31.1	0.0	0.0
68	158.3	-80.4	-1.5
71	168.5	-84.9	7.7
75	162.2	0.0	0.0
76	149.3	0.0	0.0
77	-14.6	-0.0	-0.0
78	-13.4	0.0	0.0
79	104.3	0.0	-6.1
80	0.1	3.7	0.0
81	162.1	60.2	0.4
82	69.5	22.5	21.0
83	111.6	-12.4	29.4
84	118.4	12.3	30.5
85	69.0	-23.4	18.5
86	105.9	-46.1	-63.8
87	19.9	0.0	-15.9
88	306.0	44.8	9.6
89	201.2	69.7	4.1
90	194.2	65.9	-1.4
91	337.8	116.4	39.1
92	189.4	66.7	-5.3
93	163.4	12.1	0.0
94	133.0	-26.7	0.0
95	130.0	22.3	0.0
101	3.7	0.0	0.0

knp	Ry kN	RMx kNm	RMz kNm
106	154.7	15.4	22.4
107	151.9	0.0	0.0
108	153.2	0.0	0.0
113	130.8	0.0	0.0
116	-28.6	0.0	-0.0
117	20.0	-7.1	0.0
119	22.5	0.0	-13.8
121	20.7	0.0	0.0
122	177.7	-66.7	-3.4
123	165.6	62.2	0.4
124	61.8	0.0	0.0
125	34.0	-3.7	5.6
126	81.7	-5.6	20.0
127	30.7	-2.9	-15.5
128	157.6	43.5	-10.9
137	173.7	-10.9	33.6
138	150.2	23.6	39.4
139	323.7	34.4	-10.3
140	316.6	37.2	17.2
141	195.7	-5.9	28.3
142	211.7	-3.7	-17.9
143	100.5	8.2	56.6
150	49.6	-40.2	0.0
155	22.6	-18.0	0.0
158	32.5	25.3	0.0
160	60.9	0.0	-14.2
166	37.5	-33.9	0.0
167	49.7	-36.9	0.0
175	25.6	-17.7	0.0
177	326.1	34.6	-4.1
181	37.1	21.5	0.0
182	63.7	0.0	-14.2
187	183.8	21.4	0.0
188	418.6	0.0	0.0
195	143.6	49.9	5.7
196	157.4	60.5	-0.1
197	52.2	0.0	-18.5
198	296.1	-31.7	1.0
201	220.9	-22.5	22.0
202	434.8	-37.8	-48.5
203	491.6	-37.0	37.2
204	313.8	-24.5	-1.9
205	307.5	-23.7	2.5

knp	Ry kN	RMx kNm	RMz kNm
211	259.8	-21.8	-10.9
212	242.5	0.0	-23.2
213	284.0	34.7	-0.0
214	281.1	-24.2	8.8
215	445.4	-19.5	15.5
216	331.1	-17.2	-17.4
217	444.0	-13.4	18.3
218	427.9	-12.6	-9.2
220	217.6	-25.2	-10.9
223	207.0	-20.1	24.2
224	292.8	-23.8	-7.1
225	45.2	0.0	-5.6
226	56.1	-0.7	-18.2
227	265.7	-33.5	0.5
331	27.6	38.9	0.0
332	17.7	23.2	0.0
333	-49.1	-8.7	0.0
356	67.0	0.0	-3.0
357	59.3	0.0	-3.3
358	62.0	0.0	-3.9
359	70.1	0.0	-4.8
360	55.7	0.0	-5.6
361	28.7	0.0	-35.9
362	27.6	0.0	-35.4
363	67.9	0.0	-3.9
364	55.6	0.0	-4.3
365	60.2	0.0	-4.9
366	58.3	0.0	-5.7
367	49.6	0.0	-6.6
368	55.1	0.0	-7.0
369	-21.1	-30.1	0.0
370	26.6	-25.8	0.0
371	21.3	-20.9	0.0
372	16.6	-14.6	0.0
373	11.6	-6.7	0.0
374	-43.6	1.9	0.0
375	-42.2	0.0	0.0
376	10.8	0.0	0.0
377	12.5	0.0	0.0
378	11.4	0.0	0.0
379	47.5	29.2	0.0
380	-18.0	0.0	33.6
381	-25.4	0.0	31.4

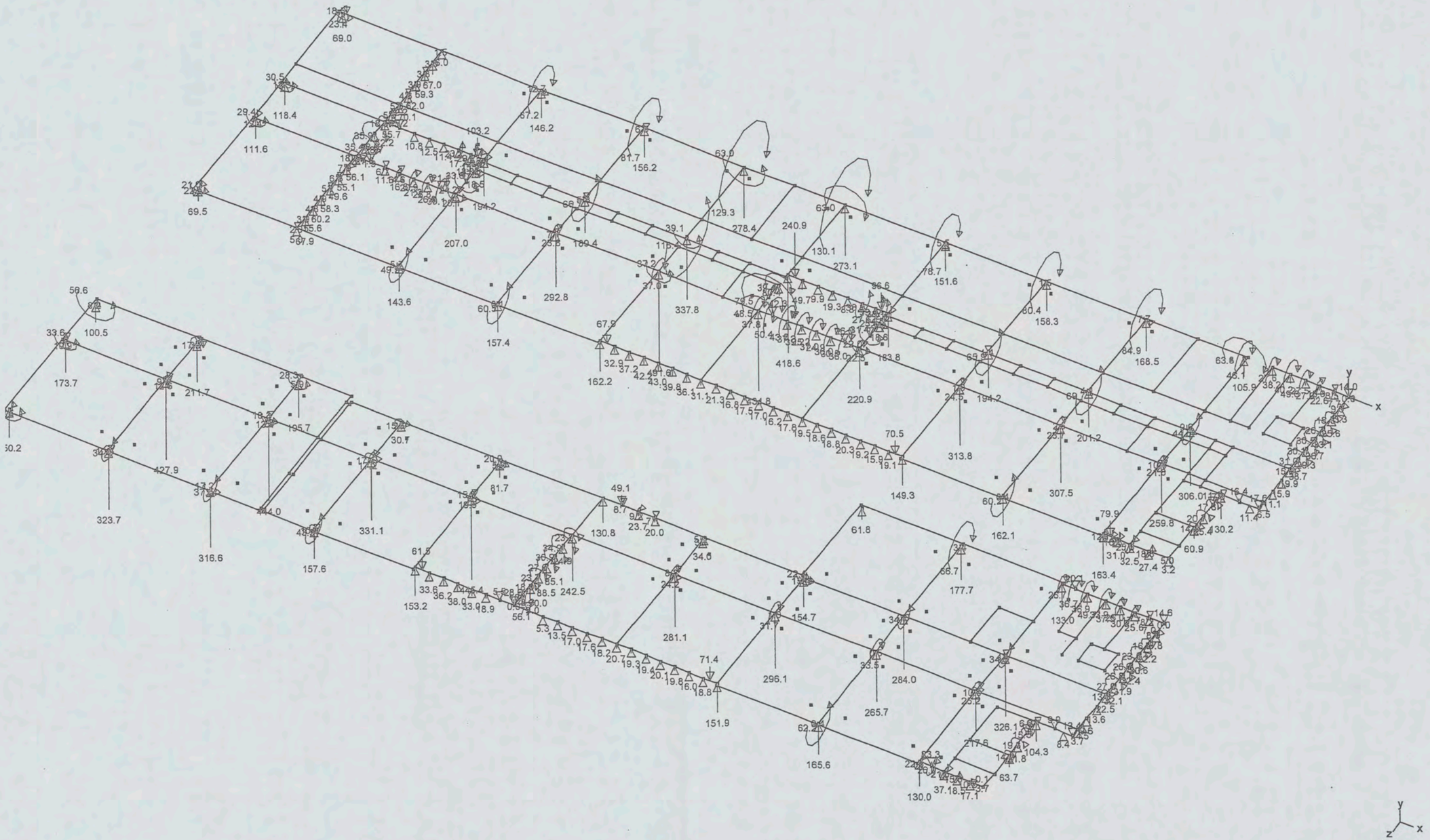
knp	Ry kN	RMx kNm	RMz kNm
382	-17.4	0.0	-79.5
383	49.7	0.0	0.0
384	9.9	0.0	0.0
385	19.3	0.0	0.0
386	8.8	0.0	0.0
387	52.1	39.0	0.0
388	-26.0	-36.0	0.0
389	30.5	-36.0	0.0
390	24.9	-37.0	0.0
391	25.2	-39.2	0.0
392	37.3	-43.0	0.0
393	-80.4	-50.4	0.0
394	36.1	0.0	0.0
395	39.8	0.0	0.0
396	43.0	0.0	0.0
397	42.2	0.0	0.0
398	37.2	0.0	0.0
399	32.9	0.0	0.0
400	17.8	0.0	0.0
401	16.2	0.0	0.0
402	17.0	0.0	0.0
403	17.5	0.0	0.0
404	16.8	0.0	0.0
405	21.3	0.0	0.0
406	18.6	0.0	0.0
407	18.8	0.0	0.0
408	20.3	0.0	0.0
409	19.2	0.0	0.0
410	15.9	0.0	0.0
411	19.1	0.0	0.0
412	27.9	-27.5	0.0
413	7.7	-8.5	0.0
414	3.3	0.0	-9.3
415	25.6	0.0	-18.8
416	33.1	0.0	-26.7
417	36.7	0.0	-30.5
418	29.3	0.0	-30.1
419	38.7	0.0	-31.0
420	11.1	0.0	0.0
421	15.9	0.0	0.0
422	-16.4	0.0	0.0
423	-11.3	0.0	-17.8
424	25.4	0.0	-20.7

knp	Ry kN	RMx kNm	RMz kNm
425	27.4	18.3	0.0
426	31.0	18.8	0.0
427	30.6	-25.0	0.0
428	-20.1	-36.7	0.0
429	7.0	-8.2	0.0
430	6.8	0.0	-8.0
431	22.2	0.0	-16.5
432	30.6	0.0	-23.5
433	32.4	0.0	-26.6
434	31.9	0.0	-26.8
435	32.1	0.0	-27.0
436	9.6	0.0	0.0
437	13.6	0.0	0.0
438	-9.0	0.0	0.0
439	-6.3	0.0	-15.5
440	21.8	0.0	-19.8
441	17.1	10.2	0.0
442	18.5	15.6	0.0
443	-23.3	26.0	0.0
444	33.6	0.0	0.0
445	36.2	0.0	0.0
446	38.0	0.0	0.0
447	33.0	0.0	0.0
448	18.9	0.0	0.0
449	-5.5	0.0	0.0
450	18.8	0.0	0.0
451	16.0	0.0	0.0
452	19.8	0.0	0.0
453	20.1	0.0	0.0
454	19.4	0.0	0.0
455	19.3	0.0	0.0
456	-8.3	0.0	0.0
457	5.3	0.0	0.0
458	13.5	0.0	0.0
459	17.0	0.0	0.0
460	17.6	0.0	0.0
461	18.2	0.0	0.0
462	56.1	0.0	-10.1
463	79.0	0.0	-18.0
464	90.0	0.0	-23.7
465	88.5	0.0	-27.6
466	85.1	0.0	-30.9
467	24.9	0.0	-34.9

knp	Ry kN	RMx kNm	RMz kNm
468	23.7	-9.2	0.0
1354	-103.2	27.3	0.0
1355	-240.9	0.0	0.0
1356	-96.6	33.1	0.0
1357	-67.9	0.0	0.0
1358	-70.5	0.0	0.0
1359	11.4	0.0	0.0
1360	-79.9	16.8	0.0
1361	4.5	0.0	0.0
1362	8.4	0.0	0.0
1363	-61.5	0.0	0.0
1364	-71.4	0.0	0.0
TOT	16665.1	-603.1	-491.7

B116

Plot - Reacties (kN, kNm, kN/m) - UGT 10



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Resultaten - Reakties - UGT 11

knp	Ry kN	RMx kNm	RMz kNm
6	38.2	-27.6	0.0
7	-14.0	0.1	0.0
8	-17.6	0.0	0.0
9	130.2	0.0	-7.6
10	3.2	5.0	0.0
14	6.5	0.0	0.0
16	192.2	19.0	0.0
33	241.8	-116.2	-43.3
34	30.9	0.0	0.0
38	19.3	0.0	13.9
39	6.0	0.0	-1.5
40	5.0	0.0	-1.9
41	146.1	-67.1	12.5
45	18.4	0.0	15.6
47	160.3	-81.6	-2.9
55	186.8	-90.9	10.5
64	23.2	0.0	-18.3
66	270.0	-126.1	32.6
67	30.9	0.0	0.0
68	155.7	-81.3	0.4
71	168.4	-84.9	7.8
75	149.6	0.0	0.0
76	148.2	0.0	0.0
77	-14.6	-0.0	-0.0
78	-13.4	0.0	0.0
79	104.3	0.0	-6.1
80	0.1	3.7	0.0
81	161.9	60.2	0.5
82	69.5	22.5	21.0
83	111.6	-12.4	29.4
84	118.4	12.3	30.5
85	69.0	-23.4	18.5
86	105.9	-46.1	-63.9
87	19.9	0.0	-15.9
88	306.0	44.8	9.6
89	200.9	69.7	4.3
90	194.0	67.1	-1.9
91	230.6	82.2	9.9
92	196.3	66.6	-2.6
93	163.5	12.1	0.0
94	132.9	-26.6	0.0
95	129.9	22.3	0.0
101	3.7	0.0	0.0

knp	Ry kN	RMx kNm	RMz kNm
106	150.0	16.0	24.5
107	151.4	0.0	0.0
108	140.6	0.0	0.0
113	51.6	0.0	0.0
116	-28.7	0.0	0.0
117	73.5	-26.7	0.0
119	22.5	0.0	-13.8
121	32.3	0.0	0.0
122	177.7	-66.8	-3.4
123	165.5	62.2	0.4
124	61.8	0.0	0.0
125	36.3	-5.4	-2.5
126	48.1	-2.9	3.1
127	37.4	-3.5	-10.6
128	158.4	42.6	-10.0
137	173.7	-10.9	33.6
138	150.2	23.6	39.4
139	323.7	34.4	-10.3
140	316.6	37.2	17.2
141	195.7	-5.9	28.3
142	211.7	-3.7	-17.9
143	100.5	8.2	56.6
150	49.6	-40.2	0.0
155	22.6	-18.0	0.0
158	32.4	25.3	0.0
160	60.9	0.0	-14.2
166	37.5	-33.9	0.0
167	49.7	-36.9	0.0
175	25.6	-17.7	0.0
177	325.9	34.6	-4.1
181	37.1	21.5	0.0
182	63.7	0.0	-14.2
187	196.7	28.8	0.0
188	249.6	0.0	0.0
195	143.5	49.7	5.6
196	158.6	59.6	0.5
197	52.2	0.0	-18.5
198	291.0	-32.5	3.1
201	272.9	-31.2	23.8
202	288.7	-31.5	-26.1
203	320.5	-25.8	5.8
204	315.6	-25.7	-2.7
205	307.1	-23.7	2.6

knp	Ry kN	RMx kNm	RMz kNm
211	259.9	-21.9	-10.9
212	203.2	0.0	10.4
213	284.7	34.7	-0.3
214	443.1	-37.6	-13.8
215	279.3	-12.9	-1.5
216	337.4	-16.6	-13.5
217	444.0	-13.4	18.3
218	427.9	-12.6	-9.2
220	217.4	-25.2	-10.9
223	204.8	-19.9	23.8
224	305.1	-22.6	-3.1
225	45.2	0.0	-5.6
226	56.1	-0.7	-18.2
227	266.4	-33.5	0.1
331	59.5	62.5	0.0
332	17.8	23.2	0.0
333	9.3	-17.6	0.0
356	67.0	0.0	-3.0
357	59.3	0.0	-3.3
358	62.0	0.0	-3.9
359	70.1	0.0	-4.8
360	55.7	0.0	-5.6
361	28.7	0.0	-35.9
362	27.6	0.0	-35.4
363	68.0	0.0	-3.9
364	55.6	0.0	-4.3
365	60.2	0.0	-4.9
366	58.3	0.0	-5.7
367	49.6	0.0	-6.5
368	55.1	0.0	-7.0
369	-20.3	-30.0	0.0
370	26.6	-25.8	0.0
371	21.3	-20.9	0.0
372	16.6	-14.6	0.0
373	11.6	-6.7	0.0
374	-43.6	1.9	0.0
375	-42.2	0.0	0.0
376	10.8	0.0	0.0
377	12.5	0.0	0.0
378	11.4	0.0	0.0
379	47.3	29.1	0.0
380	-18.2	0.0	32.9
381	-46.6	0.0	30.7

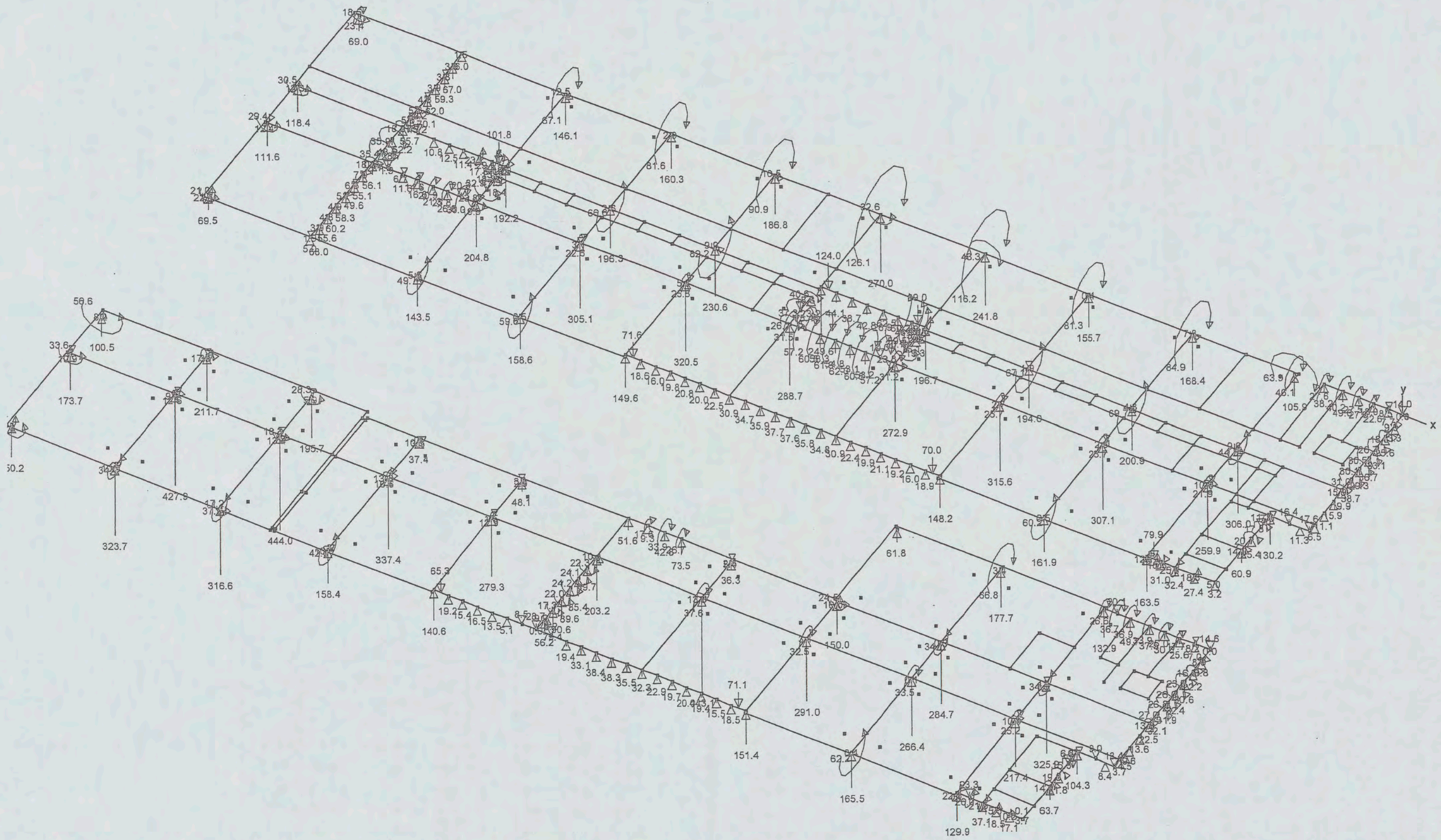
knp	Ry kN	RMx kNm	RMz kNm
382	-40.6	0.0	-37.3
383	44.1	0.0	0.0
384	38.7	0.0	0.0
385	42.8	0.0	0.0
386	26.9	0.0	0.0
387	76.1	60.2	0.0
388	-10.0	-57.2	0.0
389	58.2	-60.5	0.0
390	53.1	-62.0	0.0
391	54.8	-61.9	0.0
392	58.3	-60.5	0.0
393	-15.4	-57.2	0.0
394	22.5	0.0	0.0
395	20.0	0.0	0.0
396	20.8	0.0	0.0
397	19.8	0.0	0.0
398	16.0	0.0	0.0
399	18.6	0.0	0.0
400	34.8	0.0	0.0
401	35.8	0.0	0.0
402	37.6	0.0	0.0
403	37.7	0.0	0.0
404	35.9	0.0	0.0
405	34.7	0.0	0.0
406	22.4	0.0	0.0
407	19.9	0.0	0.0
408	21.1	0.0	0.0
409	19.2	0.0	0.0
410	16.0	0.0	0.0
411	18.9	0.0	0.0
412	27.9	-27.5	0.0
413	7.7	-8.5	0.0
414	3.3	0.0	-9.3
415	25.6	0.0	-18.8
416	33.1	0.0	-26.7
417	36.7	0.0	-30.5
418	29.3	0.0	-30.1
419	38.7	0.0	-31.0
420	11.1	0.0	0.0
421	15.9	0.0	0.0
422	-16.4	0.0	0.0
423	-11.3	0.0	-17.8
424	25.4	0.0	-20.7

knp	Ry kN	RMx kNm	RMz kNm
425	27.4	18.3	0.0
426	31.0	18.8	0.0
427	30.6	-25.0	0.0
428	-20.1	-36.7	0.0
429	7.0	-8.2	0.0
430	6.8	0.0	-8.0
431	22.2	0.0	-16.5
432	30.6	0.0	-23.5
433	32.4	0.0	-26.6
434	31.9	0.0	-26.8
435	32.1	0.0	-27.0
436	9.6	0.0	0.0
437	13.6	0.0	0.0
438	-9.0	0.0	0.0
439	-6.3	0.0	-15.5
440	21.8	0.0	-19.8
441	17.1	10.2	0.0
442	18.5	15.6	0.0
443	-23.3	26.0	0.0
444	19.2	0.0	0.0
445	15.4	0.0	0.0
446	16.5	0.0	0.0
447	13.5	0.0	0.0
448	5.1	0.0	0.0
449	-8.5	0.0	0.0
450	18.5	0.0	0.0
451	15.5	0.0	0.0
452	19.4	0.0	0.0
453	20.0	0.0	0.0
454	19.7	0.0	0.0
455	22.9	0.0	0.0
456	-5.2	0.0	0.0
457	19.4	0.0	0.0
458	33.1	0.0	0.0
459	38.4	0.0	0.0
460	38.3	0.0	0.0
461	35.5	0.0	0.0
462	56.2	0.0	9.9
463	79.4	0.0	17.3
464	90.6	0.0	22.0
465	89.6	0.0	24.2
466	85.4	0.0	24.1
467	39.7	0.0	22.3

knp	Ry kN	RMx kNm	RMz kNm
468	42.8	-33.9	0.0
1354	-101.8	27.2	0.0
1355	-124.0	0.0	0.0
1356	-89.0	47.9	0.0
1357	-71.6	0.0	0.0
1358	-70.0	0.0	0.0
1359	11.3	0.0	0.0
1360	-79.9	16.8	0.0
1361	4.5	0.0	0.0
1362	8.4	0.0	0.0
1363	-65.3	0.0	0.0
1364	-71.1	0.0	0.0
TOT	16518.5	-735.1	-214.5

B118

Plot - Reacties (kN, kNm, kN/m) - UGT 11



Resultaten - Reakties - UGT 12

knp	Ry kN	RMx kNm	RMz kNm
6	38.2	-27.6	0.0
7	-14.0	0.1	0.0
8	-17.6	0.0	0.0
9	129.6	0.0	-7.5
10	3.2	5.0	0.0
14	6.5	0.0	0.0
16	192.1	19.0	0.0
33	244.7	-120.5	53.3
34	31.1	0.0	0.0
38	39.1	0.0	35.0
39	6.0	0.0	-1.5
40	5.0	0.0	-1.9
41	146.1	-67.1	12.5
45	18.4	0.0	15.6
47	160.6	-81.6	-2.7
55	188.9	-89.1	11.9
64	22.2	0.0	-19.0
66	173.7	-86.1	-16.5
67	19.5	0.0	0.0
68	248.3	-123.3	-52.1
71	164.2	-84.9	11.5
75	150.7	0.0	0.0
76	161.0	0.0	0.0
77	-14.6	-0.0	-0.0
78	-13.3	0.0	0.0
79	103.6	0.0	-6.1
80	0.1	3.7	0.0
81	160.6	61.2	1.1
82	69.5	22.5	21.0
83	111.6	-12.4	29.4
84	118.4	12.3	30.5
85	69.0	-23.4	18.5
86	106.0	-46.2	-64.2
87	19.9	0.0	-15.8
88	306.8	44.9	9.2
89	193.8	69.7	7.2
90	300.4	100.2	-30.4
91	229.0	80.0	8.8
92	196.7	66.7	-2.4
93	164.0	12.1	0.0
94	133.7	-26.7	0.0
95	130.2	22.4	0.0
101	3.7	0.0	0.0

knp	Ry kN	RMx kNm	RMz kNm
106	187.3	12.7	4.0
107	163.8	0.0	0.0
108	139.7	0.0	0.0
113	58.1	0.0	0.0
116	-20.3	0.0	-0.0
117	0.7	-4.0	0.0
119	22.5	0.0	-13.8
121	31.8	0.0	0.0
122	177.3	-66.3	-2.8
123	163.9	63.1	1.0
124	61.7	0.0	0.0
125	71.3	-7.8	23.2
126	48.6	-3.1	4.1
127	37.1	-3.4	-10.9
128	158.2	42.6	-10.2
137	173.7	-10.9	33.6
138	150.2	23.6	39.4
139	323.7	34.4	-10.3
140	316.6	37.2	17.2
141	195.7	-5.9	28.3
142	211.7	-3.7	-17.9
143	100.5	8.2	56.6
150	49.6	-40.1	0.0
155	22.6	-18.0	0.0
158	32.4	25.4	0.0
160	60.9	0.0	-14.2
166	37.4	-33.9	0.0
167	49.8	-37.0	0.0
175	25.6	-17.7	0.0
177	327.5	34.6	-4.6
181	37.1	21.5	0.0
182	63.7	0.0	-14.2
187	390.1	35.3	0.0
188	222.5	0.0	0.0
195	143.4	49.7	5.6
196	158.8	59.6	0.6
197	52.2	0.0	-18.5
198	472.5	-45.8	-29.3
201	421.1	-37.5	46.6
202	237.0	-22.8	-24.3
203	319.0	-24.6	5.0
204	486.4	-36.6	-33.3
205	294.9	-25.0	6.6

knp	Ry kN	RMx kNm	RMz kNm
211	261.7	-21.9	-11.4
212	133.5	0.0	-5.1
213	274.3	34.8	3.5
214	470.4	-39.0	36.2
215	286.8	-13.3	-0.2
216	336.7	-16.6	-13.9
217	444.0	-13.4	18.3
218	427.9	-12.6	-9.2
220	218.9	-25.2	-11.4
223	204.7	-19.9	23.8
224	305.6	-22.5	-2.9
225	45.2	0.0	-5.6
226	56.1	-0.7	-18.2
227	257.8	-34.0	3.7
331	20.1	44.0	0.0
332	17.8	23.2	0.0
333	-11.9	-7.1	0.0
356	67.0	0.0	-3.0
357	59.3	0.0	-3.3
358	62.0	0.0	-3.9
359	70.1	0.0	-4.8
360	55.7	0.0	-5.6
361	28.7	0.0	-35.9
362	27.6	0.0	-35.4
363	68.0	0.0	-3.9
364	55.6	0.0	-4.3
365	60.2	0.0	-4.9
366	58.3	0.0	-5.7
367	49.6	0.0	-6.5
368	55.1	0.0	-7.0
369	-20.2	-30.0	0.0
370	26.6	-25.8	0.0
371	21.3	-20.9	0.0
372	16.6	-14.6	0.0
373	11.6	-6.7	0.0
374	-43.6	1.9	0.0
375	-42.2	0.0	0.0
376	10.8	0.0	0.0
377	12.5	0.0	0.0
378	11.4	0.0	0.0
379	47.3	29.1	0.0
380	-18.2	0.0	32.8
381	-25.1	0.0	72.7

knp	Ry kN	RMx kNm	RMz kNm
382	-19.2	0.0	-38.0
383	30.8	0.0	0.0
384	14.5	0.0	0.0
385	18.2	0.0	0.0
386	6.3	0.0	0.0
387	81.0	51.7	0.0
388	-75.8	-50.3	0.0
389	37.3	-43.0	0.0
390	23.8	-39.3	0.0
391	26.3	-37.0	0.0
392	30.6	-36.0	0.0
393	-31.3	-36.1	0.0
394	18.6	0.0	0.0
395	18.9	0.0	0.0
396	20.2	0.0	0.0
397	19.6	0.0	0.0
398	16.0	0.0	0.0
399	18.9	0.0	0.0
400	21.4	0.0	0.0
401	16.7	0.0	0.0
402	17.3	0.0	0.0
403	17.2	0.0	0.0
404	16.3	0.0	0.0
405	17.8	0.0	0.0
406	36.1	0.0	0.0
407	39.8	0.0	0.0
408	43.0	0.0	0.0
409	42.0	0.0	0.0
410	36.8	0.0	0.0
411	33.3	0.0	0.0
412	27.9	-27.4	0.0
413	7.7	-8.5	0.0
414	3.4	0.0	-9.3
415	25.6	0.0	-18.8
416	33.1	0.0	-26.7
417	36.7	0.0	-30.5
418	29.3	0.0	-30.1
419	38.6	0.0	-31.0
420	11.1	0.0	0.0
421	15.8	0.0	0.0
422	-16.2	0.0	0.0
423	-11.2	0.0	-17.7
424	25.3	0.0	-20.7

knp	Ry kN	RMx kNm	RMz kNm
425	27.3	18.3	0.0
426	31.1	18.8	0.0
427	30.6	-25.0	0.0
428	-20.6	-36.8	0.0
429	7.0	-8.2	0.0
430	6.8	0.0	-8.0
431	22.2	0.0	-16.5
432	30.6	0.0	-23.5
433	32.4	0.0	-26.6
434	31.8	0.0	-26.8
435	32.0	0.0	-26.9
436	9.6	0.0	0.0
437	13.6	0.0	0.0
438	-8.8	0.0	0.0
439	-6.1	0.0	-15.5
440	21.8	0.0	-19.8
441	17.1	10.2	0.0
442	18.4	15.6	0.0
443	-23.5	26.0	0.0
444	19.3	0.0	0.0
445	15.8	0.0	0.0
446	17.2	0.0	0.0
447	14.7	0.0	0.0
448	7.3	0.0	0.0
449	-5.3	0.0	0.0
450	32.8	0.0	0.0
451	37.3	0.0	0.0
452	42.3	0.0	0.0
453	42.8	0.0	0.0
454	40.3	0.0	0.0
455	36.5	0.0	0.0
456	-5.7	0.0	0.0
457	6.7	0.0	0.0
458	14.0	0.0	0.0
459	17.2	0.0	0.0
460	17.7	0.0	0.0
461	21.5	0.0	0.0
462	37.4	0.0	0.6
463	53.8	0.0	0.8
464	60.8	0.0	0.4
465	59.0	0.0	-0.8
466	53.8	0.0	-2.7
467	19.6	0.0	-5.4

knp	Ry kN	RMx kNm	RMz kNm
468	26.8	-9.5	0.0
1354	-101.7	27.2	0.0
1355	-122.8	0.0	0.0
1356	-221.1	49.4	0.0
1357	-72.3	0.0	0.0
1358	-66.2	0.0	0.0
1359	11.3	0.0	0.0
1360	-80.3	16.8	0.0
1361	4.6	0.0	0.0
1362	8.3	0.0	0.0
1363	-64.7	0.0	0.0
1364	-66.9	0.0	0.0
TOT	16664.9	-579.6	-292.3

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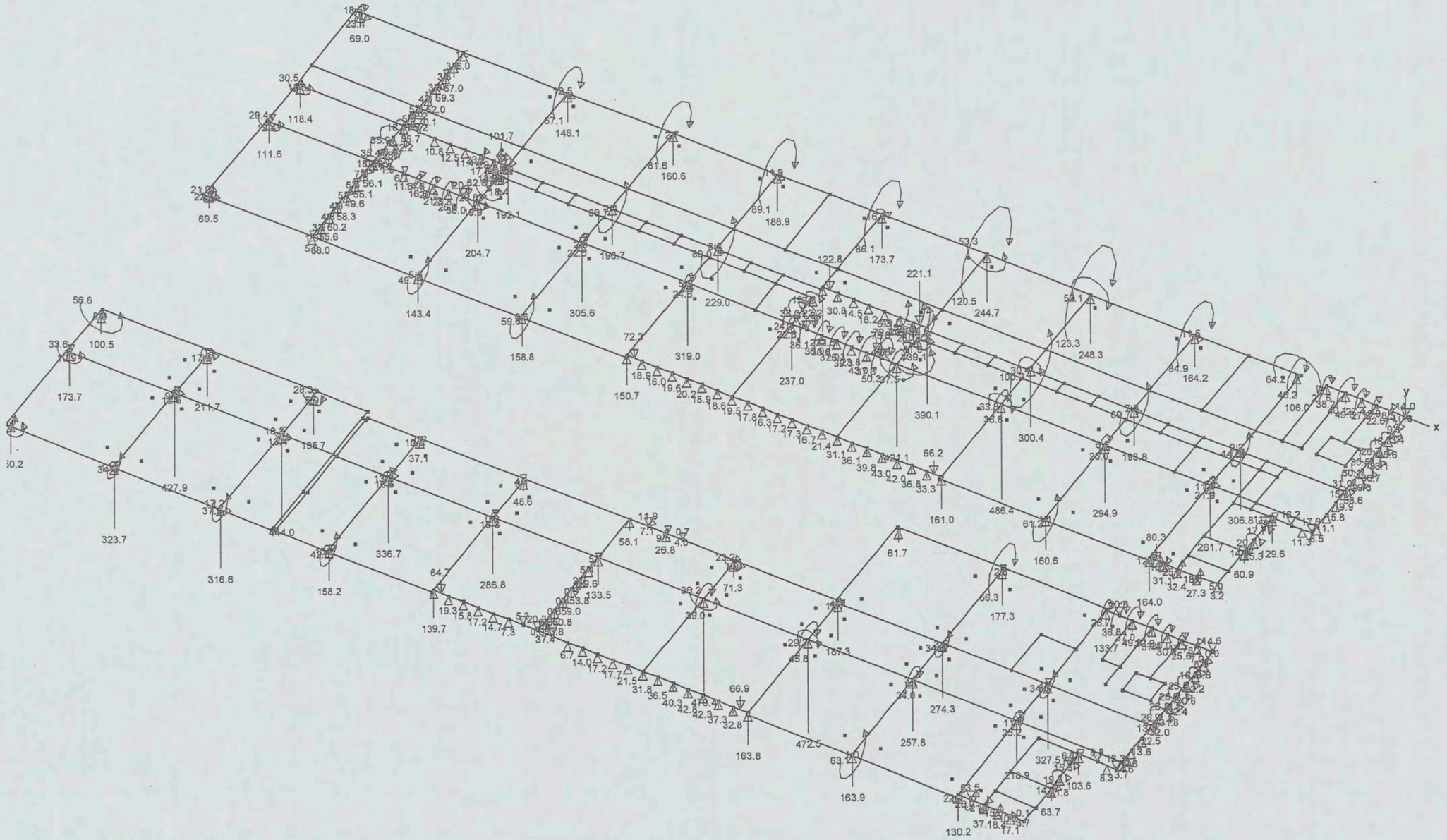
C1 B1 A1 C2 B2 A5 B5 A2 20 18 17 16 11 10 09 03 02 01 C7 B7 A7 C8 B8 A8 C9 B9
395

B120

Plot - Reacties (kN, kNm, kN/m) - UGT 12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204.7
143.4
101.7
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146.1
192.1
158.8
305.6
81.6
160.6
196.7
319.0
89.1
188.9
122.8
221.1
86.1
173.7
53.3
120.5
244.7
59.6
100.5
33.6
173.7
211.7
323.7
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16.3
17.2
17.3
16.7
21.4
31.1
36.1
39.8
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42.0
36.8
33.3
66.2
161.0
30.8
14.5
18.2
36.1
30.6
32.0
32.3
43.2
50.3
39.1
33.6
36.6
300.4
123.3
248.3
84.9
164.2
64.2
45.2
106.0
193.8
294.9
486.4
61.2
160.6
80.3
261.7
306.8
164.0
60.9
27.3
31.1
32.4
29.6
15.3
16.2
17.8
11.1
11.3
15.8
19.9
38.6
22.6
61.7
177.3
66.3
274.3
34.0
257.8
163.8
472.5
63.2
163.9
130.2
37.1
17.1
63.7
103.6
218.9
327.5
133.7
36.8
49.2
37.2
30.1
25.6
7.8
13.6
8.3
3.7
22.5
13.2
11.8
58.1
7.1
9.2
26.8
4.0
0.7
48.6
64.7
19.3
15.6
17.2
14.7
7.3
5.2
20.2
37.4
6.7
14.0
17.2
17.7
21.5
31.8
36.5
40.3
42.8
42.3
37.3
32.8
66.9
39.2
71.3
39.0
45.8
187.3
133.5
53.8
59.0
50.8
57.8
59.6
55.6
50.2
58.3
49.6
55.1
56.1
55.7
52.2
35.7
10.8
12.5
11.4
11.6
20.8
26.0
59.3
57.0
52.0
52.1
35.0
37.1
18.9
19.5
18.6
18.9
20.2
19.6
16.0
18.9
24.5
89.0
24.5
18.2
14.5
30.8
36.1
39.1
50.3
37.5
33.6
36.6
66.2
69.0
69.5
68.0
49.0
143.4
59.6
158.8
72.3
150.7
237.0
390.1
122.8
221.1
86.1
173.7
53.3
120.5
244.7
59.1
123.3
248.3
84.9
164.2
64

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Resultaten - Reakties - UGT 13

knp	Ry kN	RMx kNm	RMz kNm
6	38.4	-27.8	0.0
7	-14.0	0.1	0.0
8	-18.0	0.0	0.0
9	135.5	0.0	-8.0
10	3.2	5.0	0.0
14	6.5	0.0	0.0
16	192.1	19.0	0.0
33	150.6	-77.2	-0.7
34	19.5	0.0	0.0
38	17.4	0.0	11.4
39	6.0	0.0	-1.5
40	5.0	0.0	-1.9
41	146.1	-67.1	12.5
45	18.4	0.0	15.6
47	160.6	-81.6	-2.6
55	188.9	-89.1	11.8
64	22.1	0.0	-19.0
66	178.1	-85.8	-13.0
67	19.9	0.0	0.0
68	248.5	-123.5	49.1
71	258.7	-128.2	-42.8
75	150.8	0.0	0.0
76	322.1	0.0	0.0
77	-14.8	-0.0	-0.0
78	-13.9	0.0	0.0
79	111.4	0.0	-6.6
80	-0.0	3.7	0.0
81	251.1	92.0	-27.3
82	69.5	22.5	21.0
83	111.6	-12.4	29.4
84	118.4	12.3	30.5
85	69.0	-23.4	18.5
86	101.4	-46.7	-59.5
87	20.2	0.0	-16.2
88	297.7	45.5	12.9
89	310.0	104.4	-26.0
90	303.1	101.3	29.5
91	229.1	80.0	8.8
92	196.7	66.7	-2.4
93	138.7	11.6	0.0
94	111.4	-25.7	0.0
95	113.0	21.6	0.0
101	3.7	0.0	0.0

knp	Ry kN	RMx kNm	RMz kNm
106	304.3	33.5	70.0
107	326.5	0.0	0.0
108	139.8	0.0	0.0
113	55.9	0.0	0.0
116	-19.4	0.0	-0.0
117	30.1	-10.6	0.0
119	23.0	0.0	-14.3
121	20.4	0.0	0.0
122	280.0	-104.1	-37.3
123	256.2	95.1	-27.4
124	134.9	0.0	0.0
125	19.8	-2.0	-0.4
126	48.4	-3.0	4.0
127	37.1	-3.4	-10.9
128	158.2	42.6	-10.2
137	173.7	-10.9	33.6
138	150.2	23.6	39.4
139	323.7	34.4	-10.3
140	316.6	37.2	17.2
141	195.7	-5.9	28.3
142	211.7	-3.7	-17.9
143	100.5	8.2	56.6
150	49.8	-40.4	0.0
155	22.6	-18.1	0.0
158	33.6	25.4	0.0
160	61.2	0.0	-14.3
166	38.4	-34.3	0.0
167	48.6	-37.3	0.0
175	25.7	-17.9	0.0
177	309.7	34.6	1.8
181	36.4	21.5	0.0
182	64.0	0.0	-14.4
187	166.6	20.8	0.0
188	222.9	0.0	0.0
195	143.4	49.7	5.6
196	158.8	59.6	0.6
197	52.2	0.0	-18.5
198	455.4	-50.8	37.2
201	205.7	-21.8	19.2
202	237.4	-22.6	-24.3
203	319.3	-24.6	5.1
204	494.6	-37.4	32.9
205	481.6	-35.7	-33.2

knp	Ry kN	RMx kNm	RMz kNm
211	242.5	-21.8	-6.2
212	139.7	0.0	-3.5
213	448.1	54.0	-38.1
214	276.9	-25.9	1.7
215	286.3	-13.3	-0.3
216	336.8	-16.6	-13.8
217	444.0	-13.4	18.3
218	427.9	-12.6	-9.2
220	200.9	-25.2	-5.7
223	204.7	-19.9	23.8
224	305.6	-22.5	-3.0
225	45.2	0.0	-5.6
226	56.1	-0.7	-18.2
227	415.7	-51.1	-35.6
331	27.1	36.0	0.0
332	17.8	23.2	0.0
333	-10.8	-8.4	0.0
356	67.0	0.0	-3.0
357	59.3	0.0	-3.3
358	62.0	0.0	-3.9
359	70.1	0.0	-4.8
360	55.7	0.0	-5.6
361	28.7	0.0	-35.9
362	27.6	0.0	-35.4
363	68.0	0.0	-3.9
364	55.6	0.0	-4.3
365	60.2	0.0	-4.9
366	58.3	0.0	-5.7
367	49.6	0.0	-6.5
368	55.1	0.0	-7.0
369	-20.2	-30.0	0.0
370	26.6	-25.8	0.0
371	21.3	-20.9	0.0
372	16.6	-14.6	0.0
373	11.6	-6.7	0.0
374	-43.6	1.9	0.0
375	-42.2	0.0	0.0
376	10.8	0.0	0.0
377	12.5	0.0	0.0
378	11.4	0.0	0.0
379	47.3	29.1	0.0
380	-18.2	0.0	32.9
381	-29.5	0.0	24.3

knp	Ry kN	RMx kNm	RMz kNm
382	-18.7	0.0	-38.1
383	31.0	0.0	0.0
384	15.2	0.0	0.0
385	19.7	0.0	0.0
386	10.2	0.0	0.0
387	49.6	37.3	0.0
388	-19.1	-35.1	0.0
389	30.4	-34.3	0.0
390	25.2	-34.0	0.0
391	26.0	-33.9	0.0
392	31.0	-34.2	0.0
393	-31.4	-35.3	0.0
394	18.8	0.0	0.0
395	19.1	0.0	0.0
396	20.3	0.0	0.0
397	19.7	0.0	0.0
398	16.1	0.0	0.0
399	18.9	0.0	0.0
400	18.0	0.0	0.0
401	16.8	0.0	0.0
402	17.6	0.0	0.0
403	17.7	0.0	0.0
404	16.9	0.0	0.0
405	18.0	0.0	0.0
406	18.5	0.0	0.0
407	17.9	0.0	0.0
408	19.2	0.0	0.0
409	17.2	0.0	0.0
410	11.6	0.0	0.0
411	26.3	0.0	0.0
412	27.9	-27.6	0.0
413	7.6	-8.6	0.0
414	3.3	0.0	-9.3
415	25.6	0.0	-18.9
416	33.1	0.0	-26.9
417	36.8	0.0	-30.8
418	29.5	0.0	-30.5
419	39.0	0.0	-31.5
420	11.0	0.0	0.0
421	16.0	0.0	0.0
422	-17.8	0.0	0.0
423	-11.9	0.0	-18.3
424	25.8	0.0	-21.1

knp	Ry kN	RMx kNm	RMz kNm
425	27.7	18.4	0.0
426	29.1	18.6	0.0
427	30.8	-25.3	0.0
428	-7.8	-36.6	0.0
429	6.9	-8.2	0.0
430	6.7	0.0	-8.1
431	22.2	0.0	-16.7
432	30.8	0.0	-23.8
433	32.7	0.0	-27.1
434	32.2	0.0	-27.4
435	32.6	0.0	-27.7
436	9.6	0.0	0.0
437	13.7	0.0	0.0
438	-10.8	0.0	0.0
439	-7.4	0.0	-16.2
440	22.2	0.0	-20.2
441	17.2	10.3	0.0
442	19.0	15.7	0.0
443	-14.0	25.9	0.0
444	19.3	0.0	0.0
445	15.8	0.0	0.0
446	17.2	0.0	0.0
447	14.7	0.0	0.0
448	7.4	0.0	0.0
449	-5.0	0.0	0.0
450	25.9	0.0	0.0
451	11.4	0.0	0.0
452	18.4	0.0	0.0
453	18.4	0.0	0.0
454	18.4	0.0	0.0
455	19.0	0.0	0.0
456	-4.9	0.0	0.0
457	7.6	0.0	0.0
458	14.9	0.0	0.0
459	17.9	0.0	0.0
460	18.1	0.0	0.0
461	18.3	0.0	0.0
462	36.9	0.0	0.1
463	52.5	0.0	0.0
464	59.7	0.0	-0.2
465	58.6	0.0	-0.6
466	55.2	0.0	-1.5
467	21.4	0.0	-3.2

knp	Ry kN	RMx kNm	RMz kNm
468	20.9	-13.7	0.0
1354	-101.7	27.2	0.0
1355	-122.6	0.0	0.0
1356	-84.1	32.0	0.0
1357	-72.3	0.0	0.0
1358	-165.4	0.0	0.0
1359	11.7	0.0	0.0
1360	-62.7	16.4	0.0
1361	4.5	0.0	0.0
1362	8.8	0.0	0.0
1363	-64.7	0.0	0.0
1364	-166.8	0.0	0.0
TOT	17045.1	-511.3	-419.4

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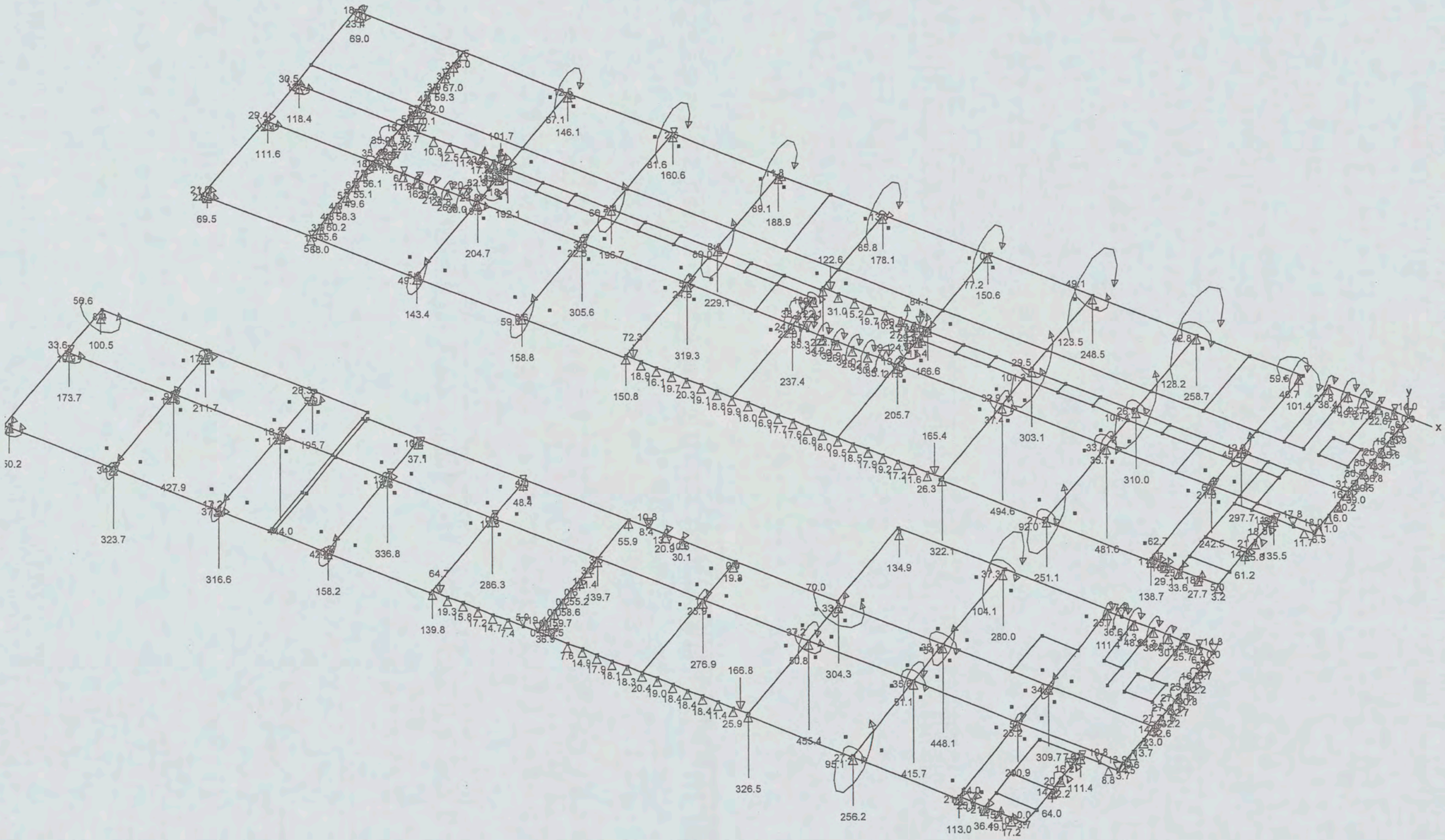
Plot - Reacties (kN, kNm, kN/m) - UGT 13



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Serial No. 395

B123

Resultaten - Reakties - UGT 14

knp	Ry kN	RMx kNm	RMz kNm
6	40.5	-28.7	0.0
7	-13.9	0.1	0.0
8	-13.8	0.0	0.0
9	85.4	0.0	-5.1
10	-1.7	4.7	0.0
14	6.5	0.0	0.0
16	192.1	19.0	0.0
33	155.2	-77.5	3.3
34	19.9	0.0	0.0
38	18.8	0.0	15.4
39	6.0	0.0	-1.5
40	5.0	0.0	-1.9
41	146.1	-67.1	12.5
45	18.4	0.0	15.6
47	160.6	-81.6	-2.6
55	188.9	-89.1	11.8
64	22.1	0.0	-19.0
66	177.9	-85.7	-13.2
67	19.9	0.0	0.0
68	154.3	-80.5	-5.5
71	255.7	-127.4	55.5
75	150.8	0.0	0.0
76	127.9	0.0	0.0
77	-14.5	-0.0	-0.0
78	-9.6	0.0	0.0
79	57.0	0.0	-3.6
80	-4.7	3.4	0.0
81	250.1	91.3	27.3
82	69.5	22.5	21.0
83	111.6	-12.4	29.4
84	118.4	12.3	30.5
85	69.0	-23.4	18.5
86	187.9	-78.2	-128.7
87	17.3	0.0	-13.3
88	437.2	67.9	-19.3
89	310.3	105.8	35.0
90	187.5	66.0	-4.7
91	229.1	80.0	8.8
92	196.7	66.7	-2.4
93	349.3	21.6	0.0
94	273.9	-43.6	0.0
95	269.0	39.7	0.0
101	3.6	0.0	0.0

knp	Ry kN	RMx kNm	RMz kNm
106	143.4	16.1	16.3
107	130.8	0.0	0.0
108	139.8	0.0	0.0
113	56.3	0.0	0.0
116	-19.3	0.0	-0.0
117	23.6	-9.4	0.0
119	19.3	0.0	-11.3
121	20.7	0.0	0.0
122	266.4	-98.8	25.2
123	255.7	94.4	27.6
124	55.9	0.0	0.0
125	33.4	-4.0	6.0
126	48.4	-3.0	4.0
127	37.1	-3.4	-10.9
128	158.2	42.6	-10.2
137	173.7	-10.9	33.6
138	150.2	23.6	39.4
139	323.7	34.4	-10.3
140	316.6	37.2	17.2
141	195.7	-5.9	28.3
142	211.7	-3.7	-17.9
143	100.5	8.2	56.6
150	50.1	-41.1	0.0
155	22.5	-18.0	0.0
158	27.5	34.1	0.0
160	62.2	0.0	-16.9
166	32.7	-36.5	0.0
167	60.4	-44.5	0.0
175	24.5	-17.8	0.0
177	478.7	51.2	-37.8
181	45.1	29.4	0.0
182	65.3	0.0	-16.9
187	188.0	21.1	0.0
188	222.8	0.0	0.0
195	143.4	49.7	5.6
196	158.8	59.6	0.6
197	52.2	0.0	-18.5
198	280.3	-32.0	-4.2
201	224.3	-22.5	22.6
202	237.3	-22.6	-24.3
203	319.3	-24.6	5.1
204	297.7	-24.9	-7.2
205	480.1	-35.5	37.5

knp	Ry kN	RMx kNm	RMz kNm
211	424.3	-38.1	-43.4
212	138.9	0.0	-3.8
213	434.0	50.8	34.7
214	292.7	-25.0	7.5
215	286.5	-13.3	-0.3
216	336.8	-16.6	-13.8
217	444.0	-13.4	18.3
218	427.9	-12.6	-9.2
220	378.8	-42.0	-43.0
223	204.7	-19.9	23.8
224	305.6	-22.5	-3.0
225	45.2	0.0	-5.6
226	56.1	-0.7	-18.2
227	417.2	-50.5	35.4
331	26.3	35.8	0.0
332	17.8	23.2	0.0
333	-11.0	-8.2	0.0
356	67.0	0.0	-3.0
357	59.3	0.0	-3.3
358	62.0	0.0	-3.9
359	70.1	0.0	-4.8
360	55.7	0.0	-5.6
361	28.7	0.0	-35.9
362	27.6	0.0	-35.4
363	68.0	0.0	-3.9
364	55.6	0.0	-4.3
365	60.2	0.0	-4.9
366	58.3	0.0	-5.7
367	49.6	0.0	-6.5
368	55.1	0.0	-7.0
369	-20.2	-30.0	0.0
370	26.6	-25.8	0.0
371	21.3	-20.9	0.0
372	16.6	-14.6	0.0
373	11.6	-6.7	0.0
374	-43.6	1.9	0.0
375	-42.2	0.0	0.0
376	10.8	0.0	0.0
377	12.5	0.0	0.0
378	11.4	0.0	0.0
379	47.3	29.1	0.0
380	-18.2	0.0	32.9
381	-24.6	0.0	32.5

knp	Ry kN	RMx kNm	RMz kNm
382	-18.7	0.0	-38.1
383	31.0	0.0	0.0
384	15.2	0.0	0.0
385	19.6	0.0	0.0
386	10.2	0.0	0.0
387	51.3	37.1	0.0
388	-27.2	-35.3	0.0
389	30.8	-34.2	0.0
390	24.9	-33.9	0.0
391	26.0	-33.8	0.0
392	30.9	-34.2	0.0
393	-31.4	-35.3	0.0
394	18.8	0.0	0.0
395	19.1	0.0	0.0
396	20.3	0.0	0.0
397	19.7	0.0	0.0
398	16.1	0.0	0.0
399	18.9	0.0	0.0
400	18.1	0.0	0.0
401	16.8	0.0	0.0
402	17.6	0.0	0.0
403	17.7	0.0	0.0
404	16.9	0.0	0.0
405	18.0	0.0	0.0
406	18.9	0.0	0.0
407	19.1	0.0	0.0
408	20.6	0.0	0.0
409	19.6	0.0	0.0
410	16.8	0.0	0.0
411	18.6	0.0	0.0
412	27.5	-27.7	0.0
413	7.6	-8.5	0.0
414	3.5	0.0	-9.3
415	25.7	0.0	-18.6
416	33.1	0.0	-26.1
417	36.5	0.0	-29.3
418	28.0	0.0	-27.9
419	35.3	0.0	-27.5
420	10.5	0.0	0.0
421	13.9	0.0	0.0
422	-7.5	0.0	0.0
423	-2.3	0.0	-17.4
424	27.4	0.0	-23.4

knp	Ry kN	RMx kNm	RMz kNm
425	25.5	21.3	0.0
426	51.8	28.5	0.0
427	29.1	-25.7	0.0
428	-78.2	-51.1	0.0
429	6.5	-8.1	0.0
430	6.7	0.0	-7.9
431	21.9	0.0	-16.3
432	30.3	0.0	-22.8
433	31.8	0.0	-25.4
434	30.2	0.0	-24.6
435	28.6	0.0	-23.5
436	8.6	0.0	0.0
437	12.0	0.0	0.0
438	0.5	0.0	0.0
439	3.6	0.0	-15.3
440	24.1	0.0	-22.5
441	15.9	11.3	0.0
442	15.3	18.9	0.0
443	-76.3	39.8	0.0
444	19.3	0.0	0.0
445	15.8	0.0	0.0
446	17.2	0.0	0.0
447	14.8	0.0	0.0
448	7.4	0.0	0.0
449	-5.0	0.0	0.0
450	18.3	0.0	0.0
451	16.8	0.0	0.0
452	20.0	0.0	0.0
453	20.2	0.0	0.0
454	19.4	0.0	0.0
455	19.3	0.0	0.0
456	-4.8	0.0	0.0
457	7.7	0.0	0.0
458	14.8	0.0	0.0
459	17.8	0.0	0.0
460	18.0	0.0	0.0
461	18.4	0.0	0.0
462	36.8	0.0	-0.1
463	52.4	0.0	-0.2
464	59.5	0.0	-0.5
465	58.3	0.0	-1.0
466	54.8	0.0	-2.1
467	21.0	0.0	-3.8

knp	Ry kN	RMx kNm	RMz kNm
468	22.6	-13.0	0.0
1354	-101.7	27.2	0.0
1355	-122.6	0.0	0.0
1356	-99.2	32.1	0.0
1357	-72.3	0.0	0.0
1358	-57.2	0.0	0.0
1359	9.2	0.0	0.0
1360	-189.9	27.9	0.0
1361	4.6	0.0	0.0
1362	6.0	0.0	0.0
1363	-64.7	0.0	0.0
1364	-58.1	0.0	0.0
TOT	17035.3	-468.5	-260.5

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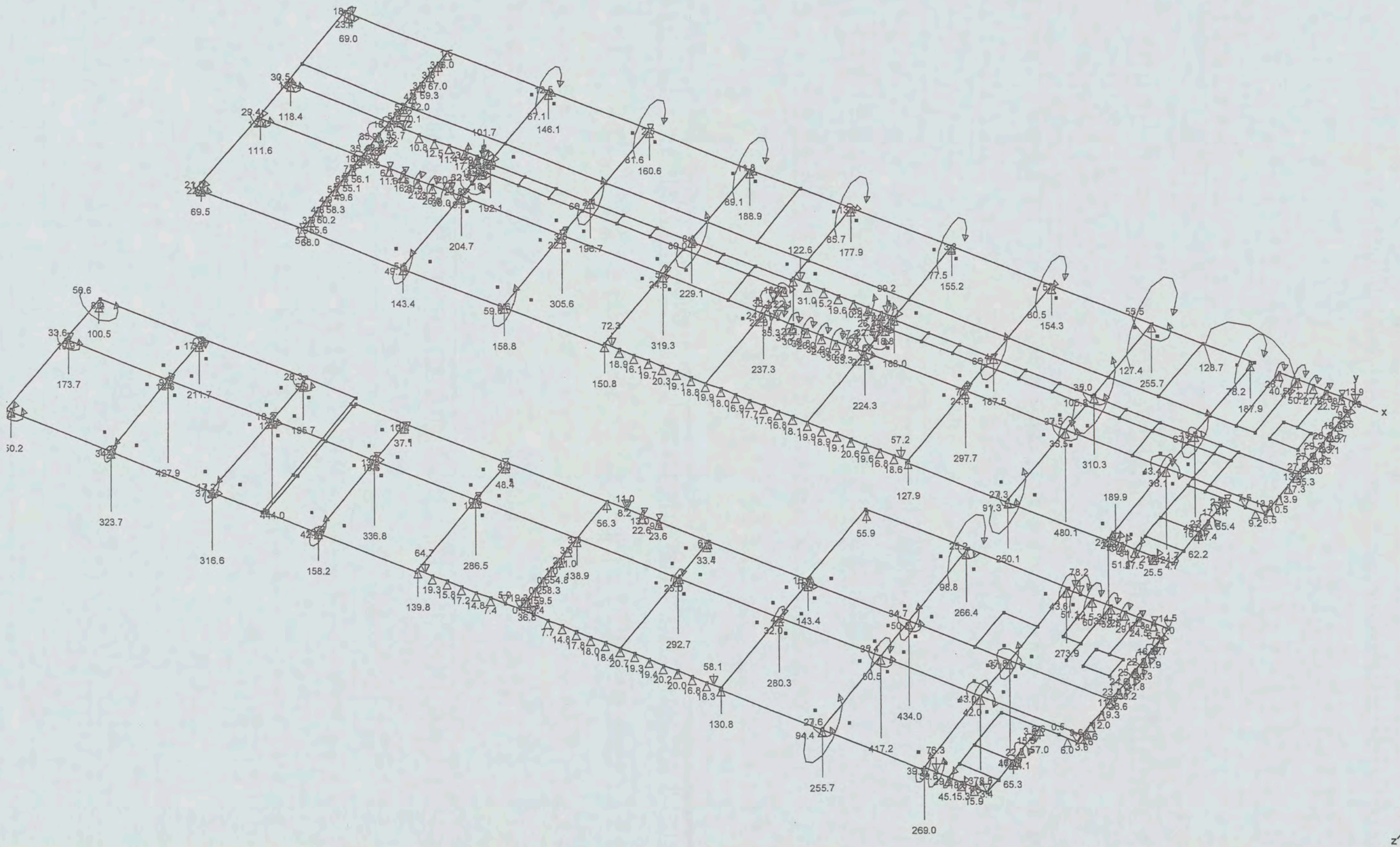
Plot - Reacties (kN, kNm, kN/m) - UGT 14



Resultaten - Reakties - UGT 15

knp	Ry kN	RMx kNm	RMz kNm
6	56.2	-43.5	0.0
7	-23.6	0.1	0.1
8	-35.9	0.0	0.0
9	261.0	0.0	-14.6
10	3.6	7.6	0.0
14	13.7	0.0	0.0
16	192.1	19.0	0.0
33	155.0	-77.3	3.1
34	19.9	0.0	0.0
38	18.7	0.0	14.9
39	6.0	0.0	-1.5
40	5.0	0.0	-1.9
41	146.1	-67.1	12.5
45	18.4	0.0	15.6
47	160.6	-81.6	-2.6
55	188.9	-89.1	11.8
64	22.1	0.0	-19.0
66	178.0	-85.7	-13.2
67	19.9	0.0	0.0
68	158.8	-80.5	-1.5
71	167.2	-84.4	6.4
75	150.8	0.0	0.0
76	149.2	0.0	0.0
77	-25.1	-0.1	-0.0
78	-30.2	0.0	0.0
79	239.8	0.0	-13.3
80	-1.7	5.5	0.0
81	162.8	61.2	0.6
82	69.5	22.5	21.0
83	111.6	-12.4	29.4
84	118.4	12.3	30.5
85	69.0	-23.4	18.5
86	109.7	-49.0	-61.7
87	40.9	0.0	-30.6
88	411.0	54.3	36.8
89	194.3	68.7	1.5
90	194.9	66.1	-1.2
91	229.1	80.0	8.8
92	196.7	66.7	-2.4
93	176.6	15.0	0.0
94	143.6	-34.1	0.0
95	145.4	27.8	0.0
101	8.0	0.0	0.0

knp	Ry kN	RMx kNm	RMz kNm
106	155.2	15.4	23.0
107	151.8	0.0	0.0
108	139.8	0.0	0.0
113	56.2	0.0	0.0
116	-19.3	0.0	-0.0
117	24.5	-9.6	0.0
119	48.1	0.0	-28.5
121	20.7	0.0	0.0
122	176.7	-67.3	-3.9
123	166.1	63.1	0.6
124	61.8	0.0	0.0
125	31.9	-3.8	5.2
126	48.4	-3.0	4.0
127	37.1	-3.4	-10.9
128	158.2	42.6	-10.2
137	173.7	-10.9	33.6
138	150.2	23.6	39.4
139	323.7	34.4	-10.3
140	316.6	37.2	17.2
141	195.7	-5.9	28.3
142	211.7	-3.7	-17.9
143	100.5	8.2	56.6
150	81.8	-65.3	0.0
155	37.7	-30.4	0.0
158	57.0	37.7	0.0
160	94.7	0.0	-22.7
166	66.3	-56.6	0.0
167	77.6	-58.0	0.0
175	44.3	-30.8	0.0
177	467.1	45.8	20.2
181	57.3	31.7	0.0
182	99.0	0.0	-22.6
187	185.3	21.0	0.0
188	222.9	0.0	0.0
195	143.4	49.7	5.6
196	158.8	59.6	0.6
197	52.2	0.0	-18.5
198	296.0	-31.7	1.6
201	221.0	-22.3	22.1
202	237.4	-22.6	-24.3
203	319.3	-24.6	5.1
204	315.0	-24.5	-1.7
205	302.3	-24.9	0.5

knp	Ry kN	RMx kNm	RMz kNm
211	346.0	-27.0	2.7
212	139.0	0.0	-3.8
213	276.4	35.2	-2.6
214	290.0	-24.9	6.6
215	286.5	-13.3	-0.3
216	336.8	-16.6	-13.8
217	444.0	-13.4	18.3
218	427.9	-12.6	-9.2
220	296.0	-31.6	2.8
223	204.7	-19.9	23.8
224	305.6	-22.5	-3.0
225	45.2	0.0	-5.6
226	56.1	-0.7	-18.2
227	261.4	-34.3	-1.6
331	26.4	35.8	0.0
332	17.8	23.2	0.0
333	-11.0	-8.2	0.0
356	67.0	0.0	-3.0
357	59.3	0.0	-3.3
358	62.0	0.0	-3.9
359	70.1	0.0	-4.8
360	55.7	0.0	-5.6
361	28.7	0.0	-35.9
362	27.6	0.0	-35.4
363	68.0	0.0	-3.9
364	55.6	0.0	-4.3
365	60.2	0.0	-4.9
366	58.3	0.0	-5.7
367	49.6	0.0	-6.5
368	55.1	0.0	-7.0
369	-20.2	-30.0	0.0
370	26.6	-25.8	0.0
371	21.3	-20.9	0.0
372	16.6	-14.6	0.0
373	11.6	-6.7	0.0
374	-43.6	1.9	0.0
375	-42.2	0.0	0.0
376	10.8	0.0	0.0
377	12.5	0.0	0.0
378	11.4	0.0	0.0
379	47.3	29.1	0.0
380	-18.2	0.0	32.9
381	-24.8	0.0	31.5

knp	Ry kN	RMx kNm	RMz kNm
382	-18.7	0.0	-38.1
383	31.0	0.0	0.0
384	15.2	0.0	0.0
385	19.6	0.0	0.0
386	10.2	0.0	0.0
387	51.0	37.1	0.0
388	-26.0	-35.2	0.0
389	30.8	-34.2	0.0
390	25.0	-33.9	0.0
391	26.0	-33.8	0.0
392	30.9	-34.2	0.0
393	-31.4	-35.3	0.0
394	18.8	0.0	0.0
395	19.1	0.0	0.0
396	20.3	0.0	0.0
397	19.7	0.0	0.0
398	16.1	0.0	0.0
399	18.9	0.0	0.0
400	18.1	0.0	0.0
401	16.8	0.0	0.0
402	17.6	0.0	0.0
403	17.7	0.0	0.0
404	16.9	0.0	0.0
405	18.0	0.0	0.0
406	18.8	0.0	0.0
407	19.0	0.0	0.0
408	20.4	0.0	0.0
409	19.2	0.0	0.0
410	15.9	0.0	0.0
411	19.1	0.0	0.0
412	50.5	-45.7	0.0
413	16.2	-14.6	0.0
414	8.1	0.0	-16.0
415	46.3	0.0	-32.4
416	58.1	0.0	-46.0
417	64.3	0.0	-53.2
418	53.3	0.0	-53.8
419	74.0	0.0	-57.6
420	23.8	0.0	0.0
421	34.1	0.0	0.0
422	-30.5	0.0	0.0
423	-26.7	0.0	-31.0
424	47.7	0.0	-34.2

knp	Ry kN	RMx kNm	RMz kNm
425	48.5	28.7	0.0
426	42.4	26.3	0.0
427	55.7	-42.8	0.0
428	0.5	-52.9	0.0
429	14.2	-14.4	0.0
430	13.8	0.0	-14.2
431	40.6	0.0	-29.2
432	54.6	0.0	-41.9
433	57.8	0.0	-48.1
434	59.1	0.0	-50.2
435	63.9	0.0	-52.9
436	21.5	0.0	0.0
437	30.6	0.0	0.0
438	-21.4	0.0	0.0
439	-24.7	0.0	-27.8
440	41.7	0.0	-32.9
441	30.2	16.1	0.0
442	33.9	24.2	0.0
443	-9.4	36.0	0.0
444	19.3	0.0	0.0
445	15.8	0.0	0.0
446	17.2	0.0	0.0
447	14.8	0.0	0.0
448	7.4	0.0	0.0
449	-5.0	0.0	0.0
450	18.8	0.0	0.0
451	15.9	0.0	0.0
452	19.7	0.0	0.0
453	20.0	0.0	0.0
454	19.3	0.0	0.0
455	19.2	0.0	0.0
456	-4.8	0.0	0.0
457	7.7	0.0	0.0
458	14.8	0.0	0.0
459	17.8	0.0	0.0
460	18.0	0.0	0.0
461	18.4	0.0	0.0
462	36.8	0.0	-0.0
463	52.4	0.0	-0.2
464	59.5	0.0	-0.4
465	58.3	0.0	-1.0
466	54.9	0.0	-2.0
467	21.0	0.0	-3.7

knp	Ry kN	RMx kNm	RMz kNm
468	22.4	-13.1	0.0
1354	-101.7	27.2	0.0
1355	-122.6	0.0	0.0
1356	-97.2	32.0	0.0
1357	-72.3	0.0	0.0
1358	-70.5	0.0	0.0
1359	22.6	0.0	0.0
1360	-74.9	22.1	0.0
1361	9.7	0.0	0.0
1362	18.0	0.0	0.0
1363	-64.7	0.0	0.0
1364	-71.3	0.0	0.0
TOT	16739.5	-589.0	-591.4

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Plot - Reacties (kN, kNm, kN/m) - UGT 15

