

Projekt DUC Tabor

1. Projekt

Projekt	DUC Tabor
Del	Zunanje dvigalo
Opis	AB konstrukcija
Avtor	Žiga Krofl u.d.i.g. konstat biro
Datum	maj 2026
Konstrukcija	Splošno XYZ
Število. vozlišč :	92
Število. nosilcve:	0
Število. plošč :	33
Število. Trdnih snovi :	0
Število. Uporabljenih profilov:	0
Število. Obtežnih primerov :	5
Število. uporabljenih materialov :	1
Gravitacijski pospešek [m/s ²]	9.810
Nacionalni standard	EC - EN

2. Tabela vsebine

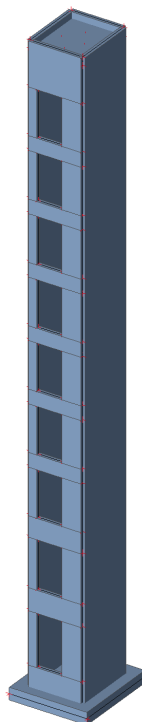
1. Projekt	1
2. Tabela vsebine	1
3. Vhodni podatki	2
3.1. Analysis model	2
3.2. Materiali	2
3.3. Zemeljine	2
4. Obtežbe	2
4.1. Obtežni primeri	2
4.2. Kombinacije	3
4.3. s / Tot. value	4
4.4. v / Tot. value	5
4.5. g / Tot. value	5
4.6. q / Tot. value	6
5. Rezultati	6
5.1. Contact stresses; sigmaz	6
5.2. Displacement of nodes; Uz	7
5.3. 2D member - Internal forces; my	7
5.4. 2D member - Internal forces; my	8
5.5. 2D member - Internal forces; mx	8
5.6. 2D member - Internal forces; mx	9
5.7. Reakcije na etažne plošče (max vrednosti)	9
5.7.1. Resultant; Rx, Ry	9
5.7.2. Rezultanta	10
6. Armatura	11
6.1. Temeljna plošča 60cm	11
6.1.1. Member 2D - design - required areas; As1-	11
6.1.2. Member 2D - design - required areas; As1-	12
6.1.3. Member 2D - design - required areas; As2-	13
6.1.4. Member 2D - design - required areas; As2-	14
6.1.5. Member 2D - design - required areas; As1+	15
6.1.6. Member 2D - design - required areas; As1+	16
6.1.7. Member 2D - design - required areas; As2+	17
6.1.8. Member 2D - design - required areas; As2+	18
6.2. Streha 20cm	19
6.2.1. Member 2D - design - required areas; As1-	19
6.2.2. Member 2D - design - required areas; As2-	19
6.2.3. Member 2D - design - required areas; As1+	20
6.2.4. Member 2D - design - required areas; As2+	20
6.2.5. Member 2D - design - required areas; As1-	21
6.2.6. Member 2D - design - required areas; As2-	21
6.2.7. Member 2D - design - required areas; As1+	22
6.2.8. Member 2D - design - required areas; As2+	22
6.3. Stene 24cm	23
6.3.1. Member 2D - design - required areas; As2+	23
6.3.2. Member 2D - design - required areas; As1+	23
6.3.3. Member 2D - design - required areas; As2-	24

Projekt DUC Tabor

6.3.4. Member 2D - design - required areas; As1-	24
6.3.5. Member 2D - design - required areas; As1-	25
6.3.6. Member 2D - design - required areas; As2-	25
6.3.7. Member 2D - design - required areas; As1+	26
6.3.8. Member 2D - design - required areas; As2+	26

3. Vhodni podatki

3.1. Analysis model



3.2. Materiali

Concrete EN 1992-2

Ime	Type	Unit mass [kg/m ³]	E mod [MPa]	Poisson - nu	G mod [MPa]	Thermal exp [m/mK]	Colour
C30/37(EN1992-2)	Concrete	2500.0	3.2800e+04	0.2	1.3667e+04	0.00	■

3.3. Zemeljine

Ime	C1x [MN/m ³]	C1z	C1y [MN/m ³]	Togost [MN/m ³]	C2x [MN/m]	C2y [MN/m]
Gravel/Slightly silty/Moderate	0.0000e+00	Fleksibilen	0.0000e+00	2.5000e+01	0.0000e+00	0.0000e+00

4. Obtežbe

4.1. Obtežni primeri

Ime	Opis	Vrsta vpliva	Grupa Obtežbe	Smer	Trajanje	Glavni obtežni primer
	Spec	Vrsta obtežbe				
LC1		Stalen Lastna teža	stalna	-Z		
g		Stalen Standardna palica	stalna			
q	Standardna palica	Spremenljiv Statično	koristna		Kratek	Nič

Projekt DUC Tabor

Ime	Opis	Vrsta vpliva	Grupa Obtežbe	Smer	Trajanje	Glavni obtežni primer
	Spec	Vrsta obtežbe				
s	Standardna palica	Spremenljiv Statično	sneg		Kratek	Nič
v	Standardna palica	Spremenljiv Statično	v		Kratek	Nič

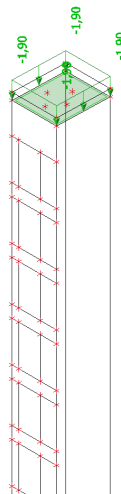
4.2. Kombinacije

Ime	Opis	Tip	Obtež.prim.	Koef. [-]
MSN.1		Ovojnica - končna	LC1	1.35
			g	1.35
MSN.2		Ovojnica - končna	LC1	1.00
			g	1.00
MSN.3		Ovojnica - končna	LC1	1.35
			g	1.35
			q	1.50
			s	0.75
			v	0.90
MSN.4		Ovojnica - končna	LC1	1.00
			g	1.00
			q	1.50
			s	0.75
			v	0.90
MSN.5		Ovojnica - končna	LC1	1.35
			g	1.35
			q	1.05
			s	1.50
			v	0.90
MSN.6		Ovojnica - končna	LC1	1.00
			g	1.00
			q	1.05
			s	1.50
			v	0.90
MSN.7		Ovojnica - končna	LC1	1.35
			g	1.35
			q	1.05
			s	0.75
			v	1.50
MSN.8		Ovojnica - končna	LC1	1.00
			g	1.00
			q	1.05
			s	0.75
			v	1.50
MSU.1		Ovojnica - končna	LC1	1.35
MSU.2		Ovojnica - končna	g	1.35
			LC1	1.00
MSU.3		Ovojnica - končna	g	1.00
			LC1	1.35
			g	1.35
			q	1.50
			s	0.75
MSU.4		Ovojnica - končna	v	0.90
			LC1	1.00
			g	1.00
			q	1.50
			s	0.75
MSU.5		Ovojnica - končna	v	0.90
			LC1	1.35
			g	1.35
			q	1.05
			s	1.50
MSU.6		Ovojnica - končna	v	0.90
			LC1	1.00
			g	1.00

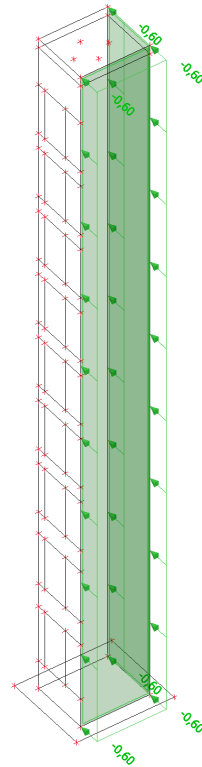
Projekt DUC Tabor

Ime	Opis	Tip	Obtež.prim.	Koef. [-]
			q	1.05
			s	1.50
			v	0.90
MSU.7		Ovojnica - končna	LC1	1.35
			g	1.35
			q	1.05
			s	0.75
			v	1.50
MSU.8		Ovojnica - končna	LC1	1.00
			g	1.00
			q	1.05
			s	0.75
			v	1.50

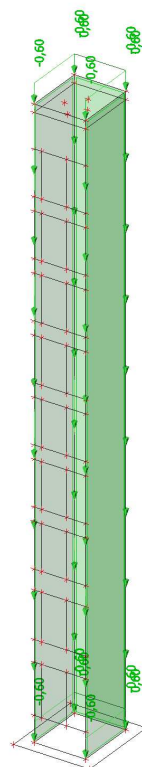
4.3. s / Tot. value



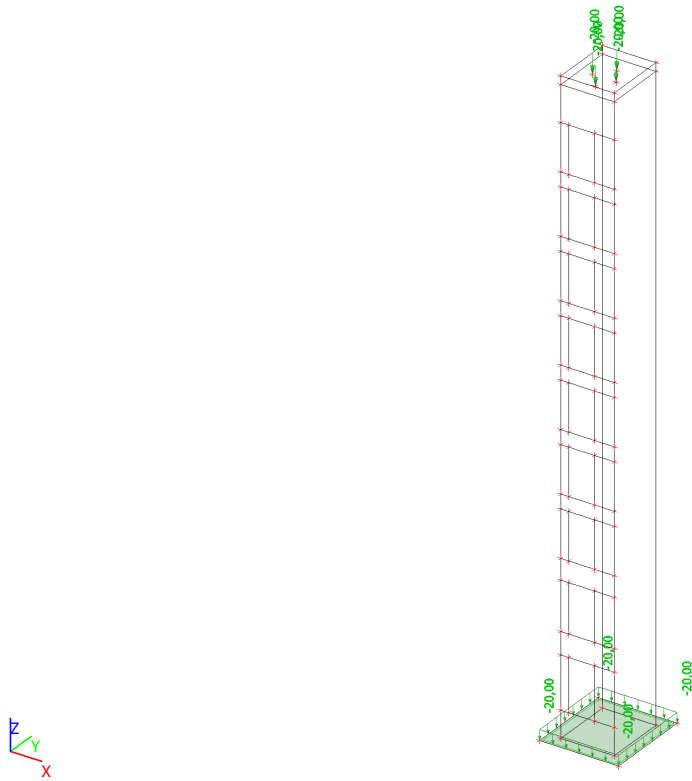
4.4. v / Tot. value



4.5. g / Tot. value

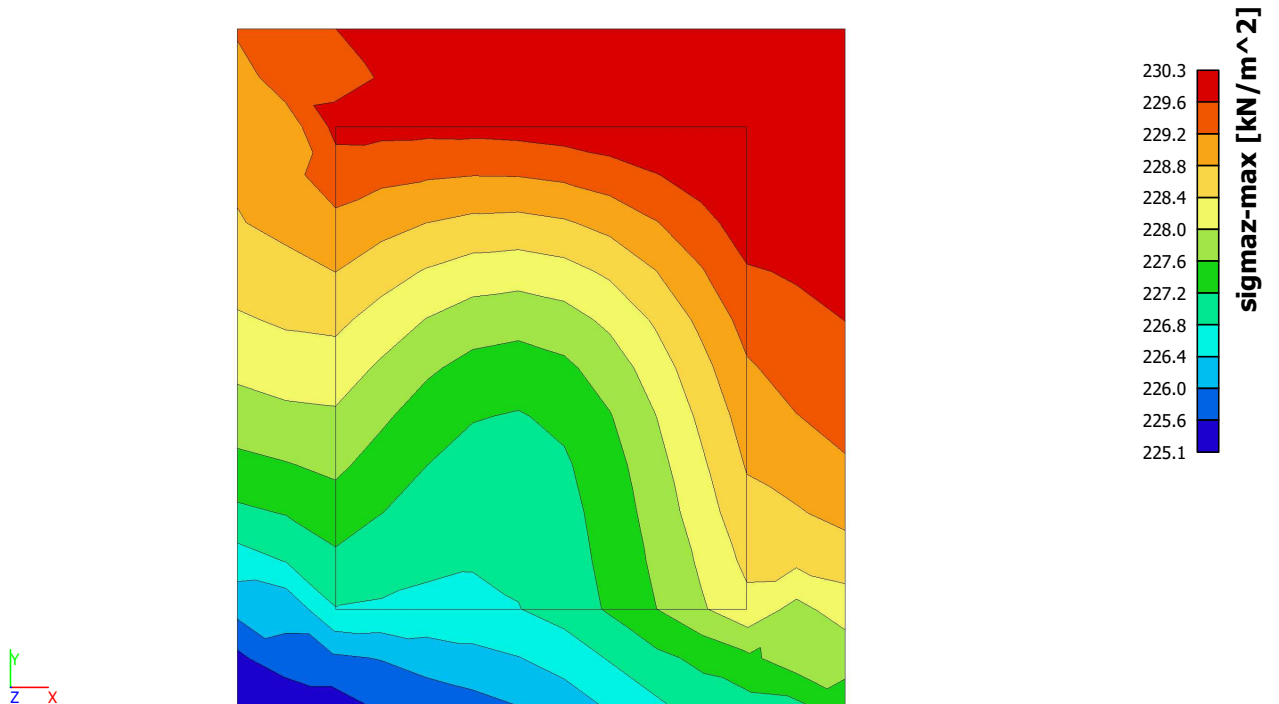


4.6. q / Tot. value

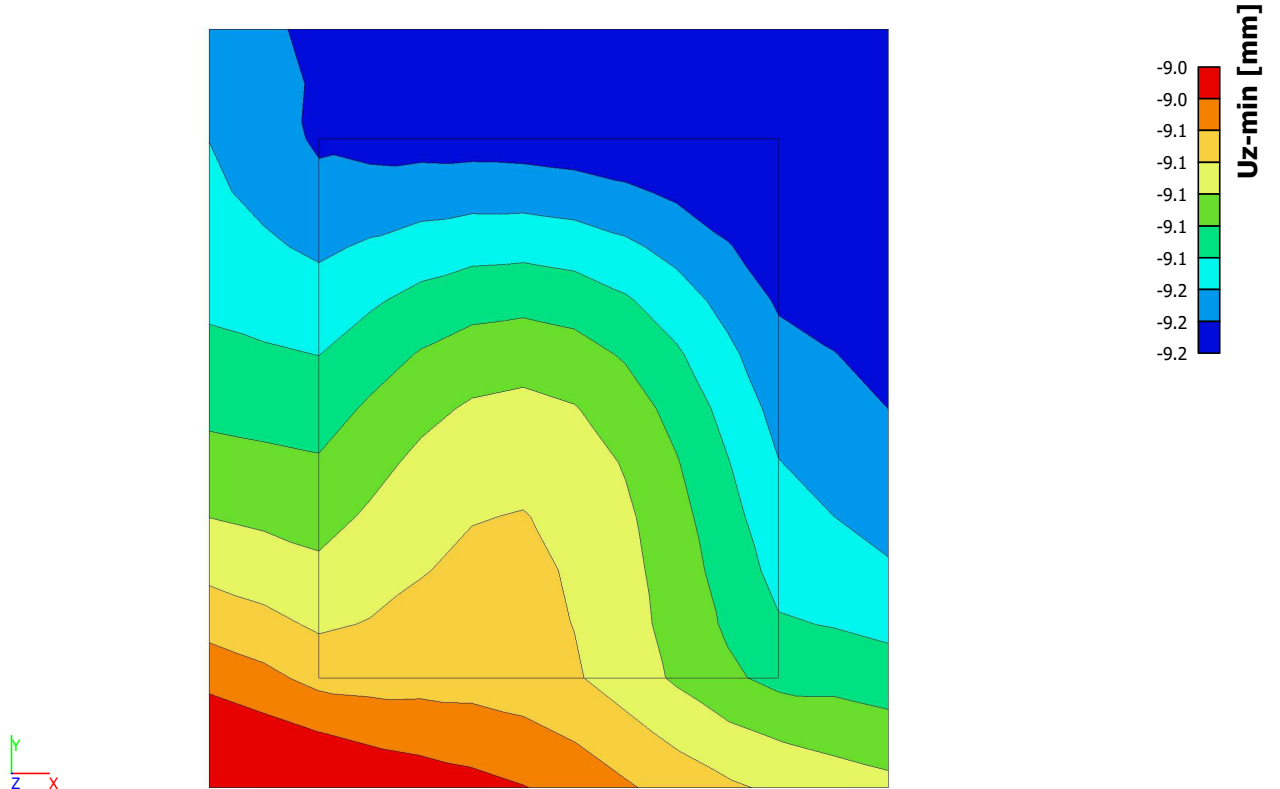


5. Rezultati

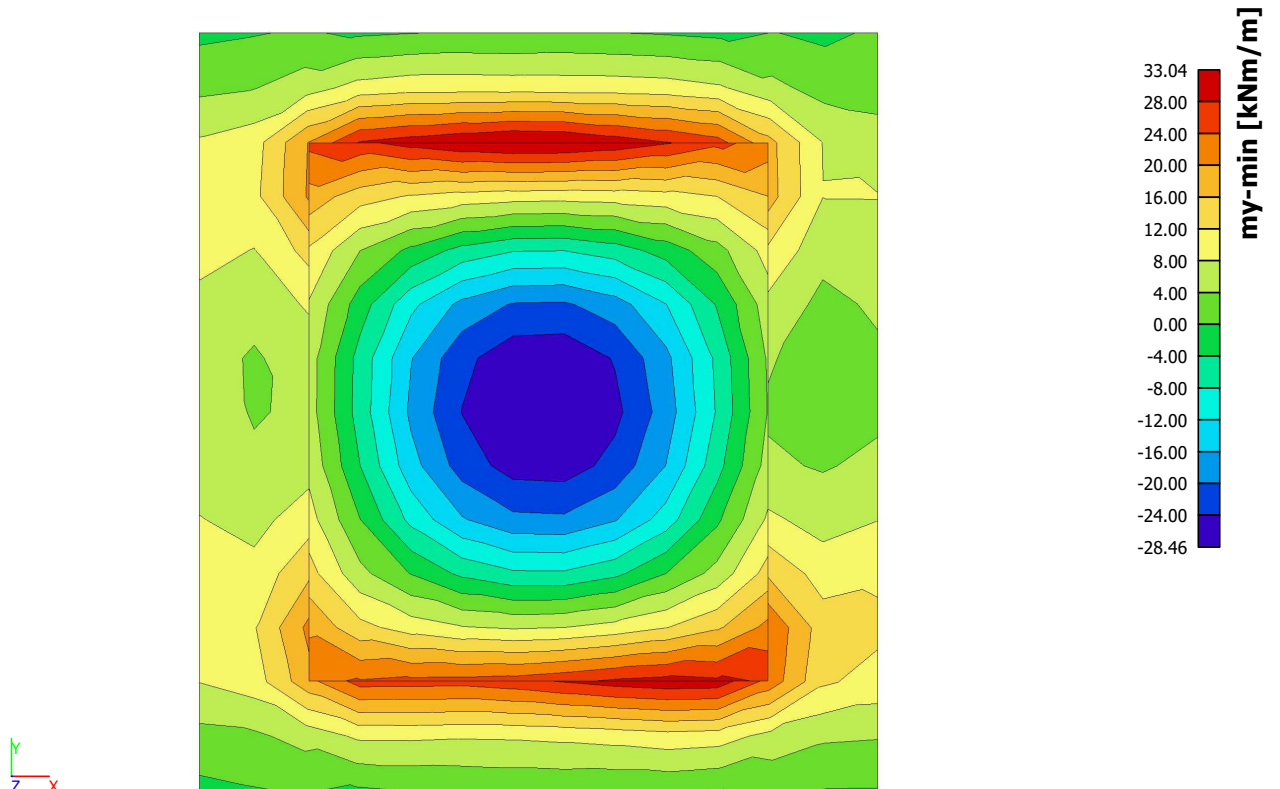
5.1. Contact stresses; sigmaz



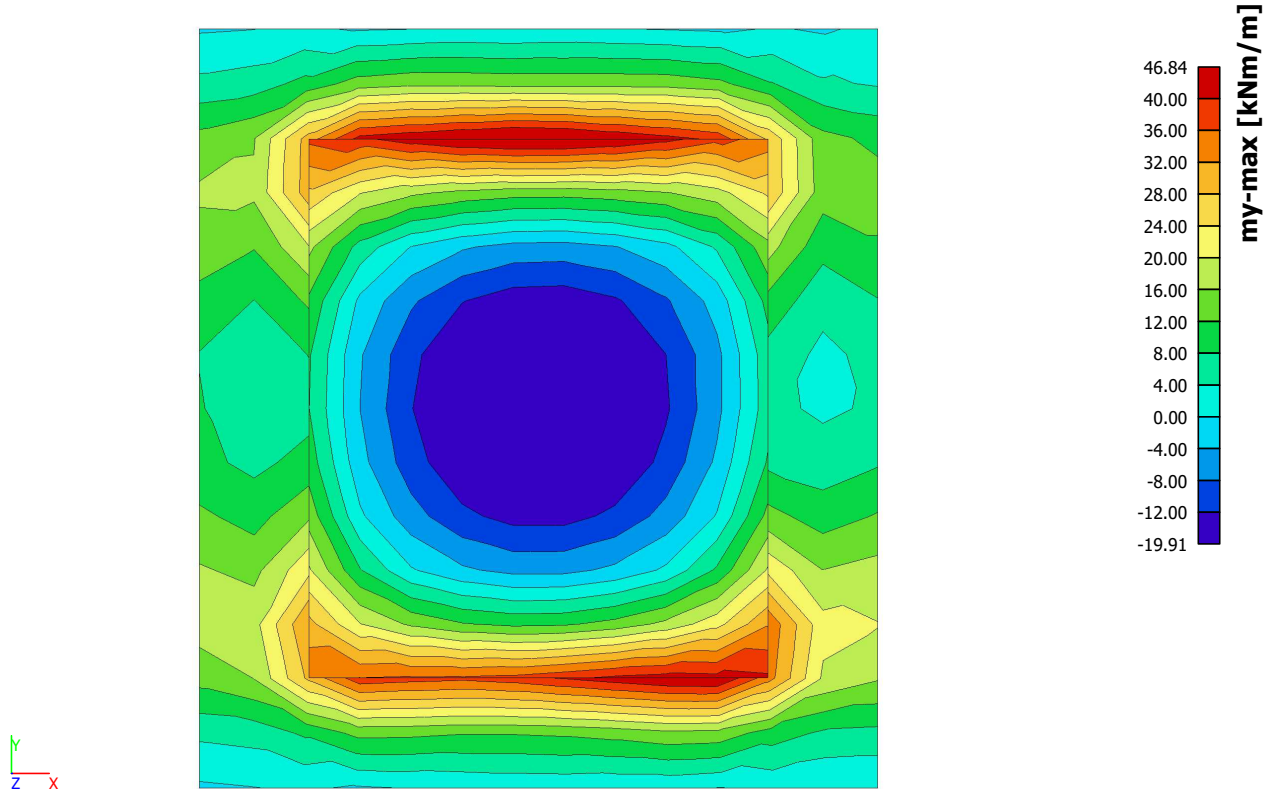
5.2. Displacement of nodes; Uz



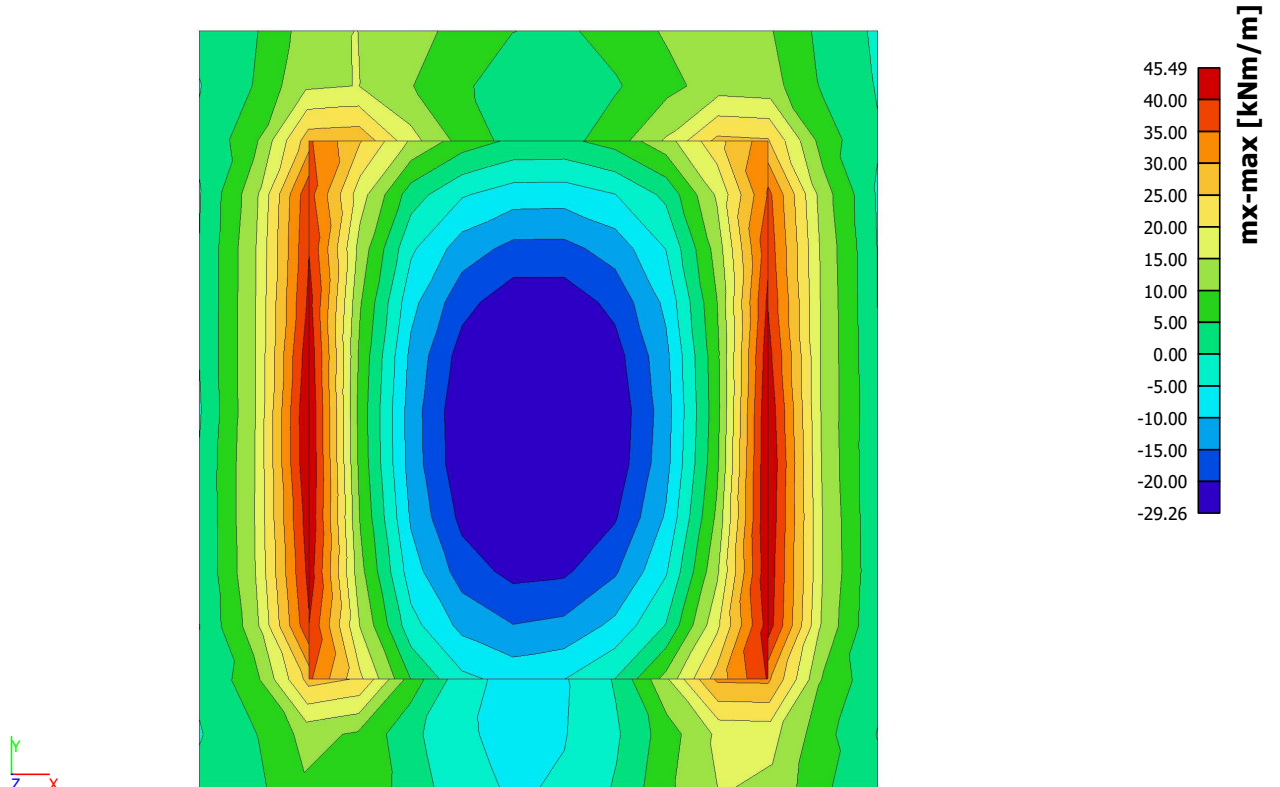
5.3. 2D member - Internal forces; my



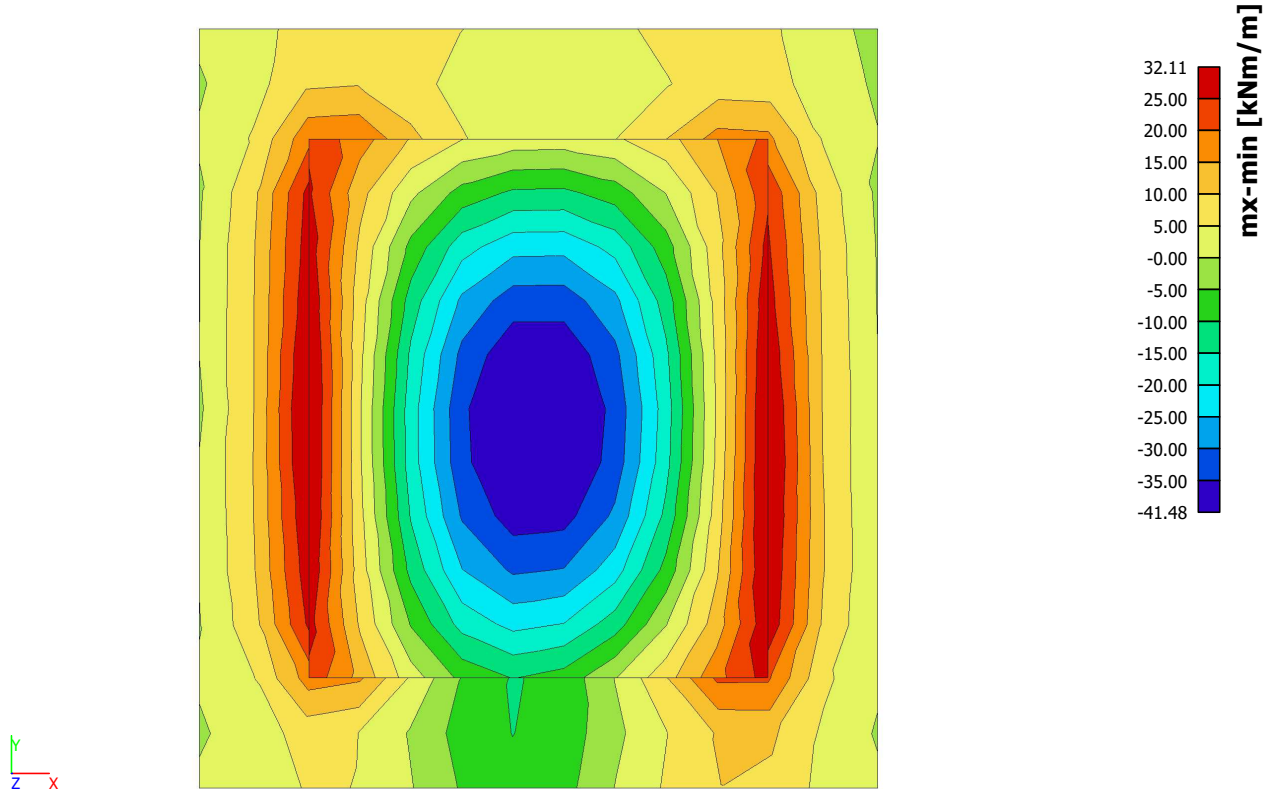
5.4. 2D member - Internal forces; my



5.5. 2D member - Internal forces; mx

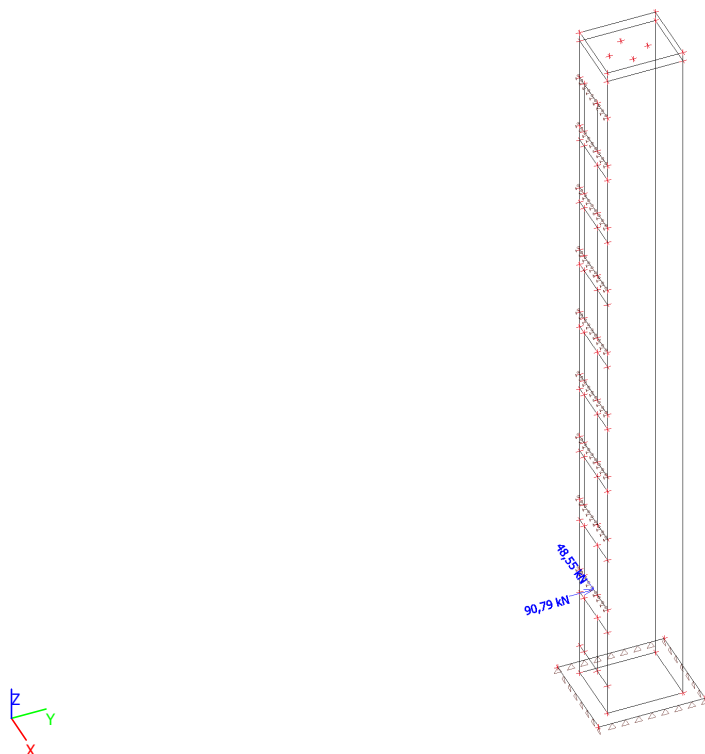


5.6. 2D member - Internal forces; mx



5.7. Reakcije na etažne plošče (max vrednosti)

5.7.1. Resultant; Rx, Ry



Projekt DUC Tabor**5.7.2. Rezultanta**

Linearni izračun, Ekstrem : Globalno

Izbira : Sle1

Kombinacije : MSN

Primer	Rx [kN]	Ry [kN]
MSN/1	48.55	90.04
MSN/2	4.44	63.57
MSN/3	31.65	90.79
MSN/4	6.22	90.14
MSN/5	46.84	64.65

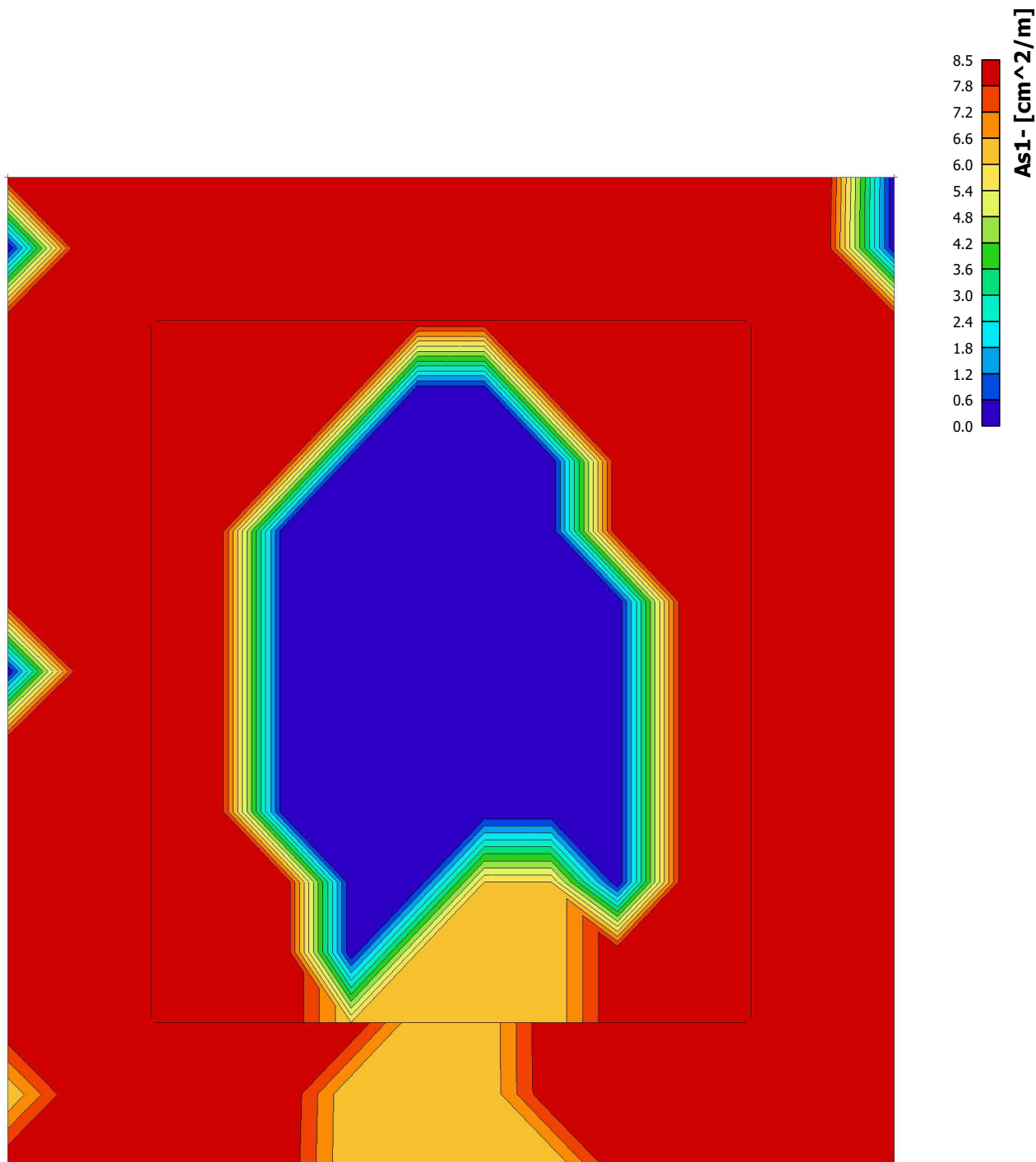
Središčna točka:

X [m]	Y [m]	Z [m]
1.291	0.000	0.080

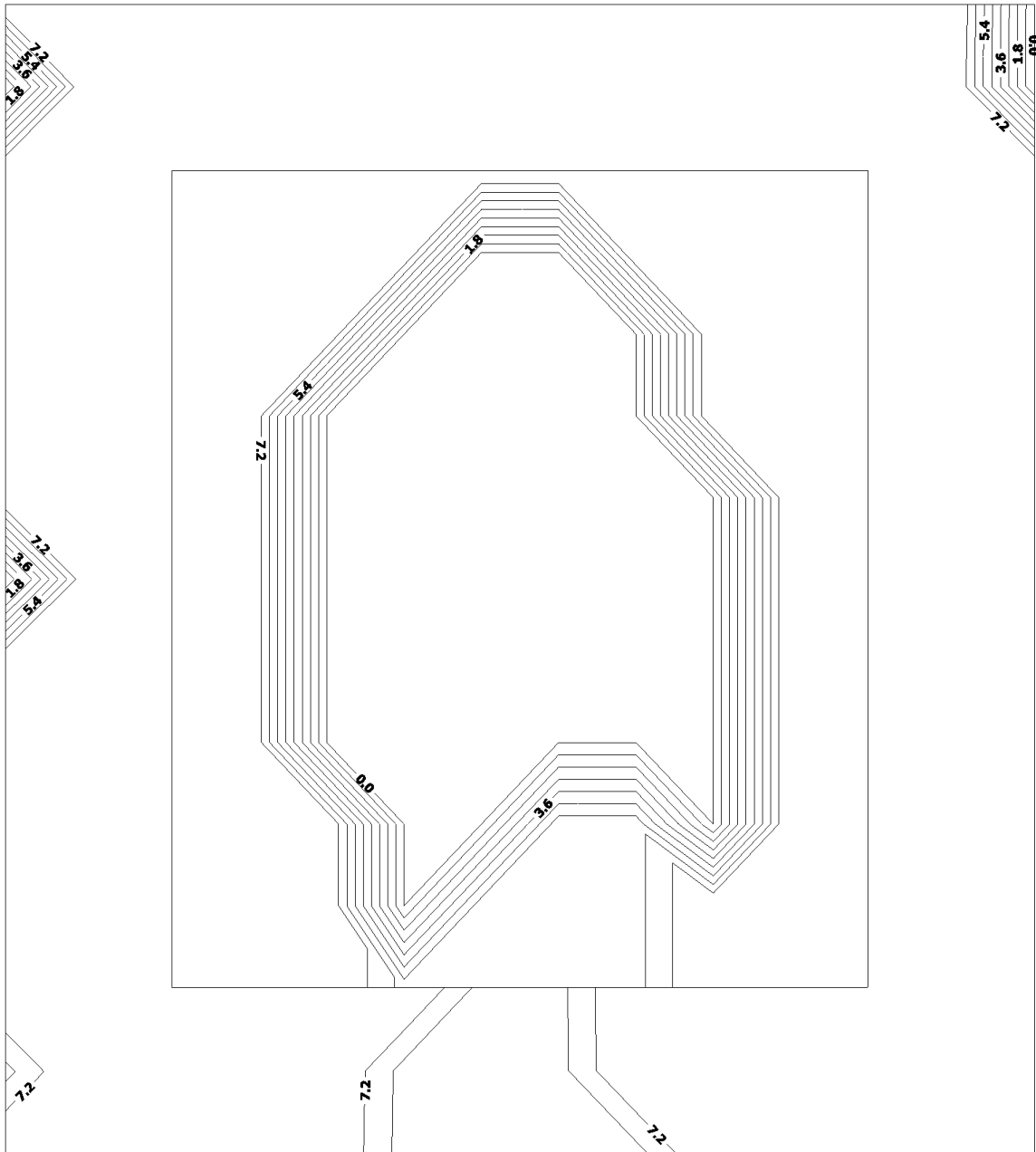
6. Armatura

6.1. Temeljna plošča 60cm

6.1.1. Member 2D - design - required areas; As1-



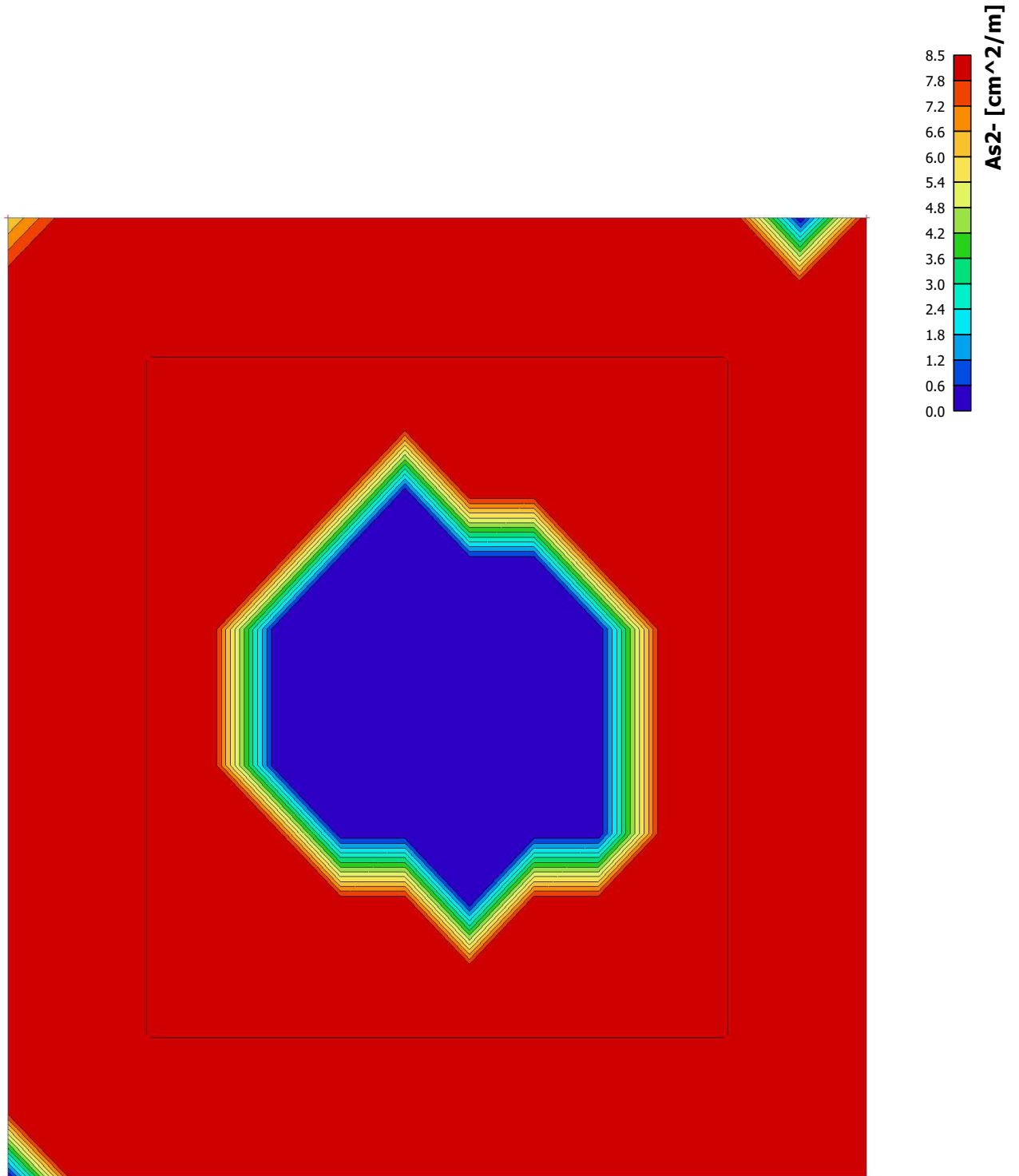
6.1.2. Member 2D - design - required areas; As1-



As1- [cm²/m]

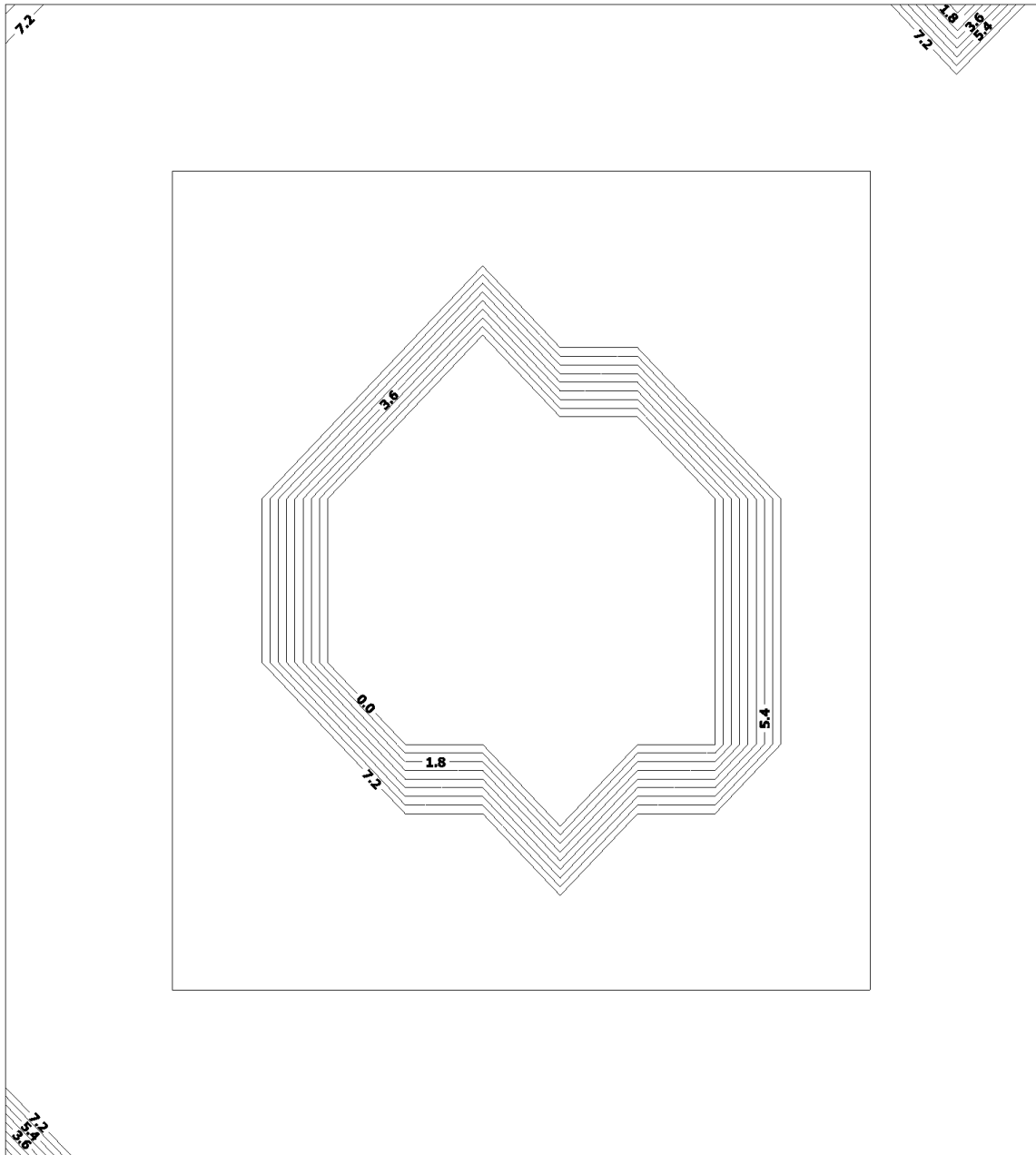


6.1.3. Member 2D - design - required areas; As2-

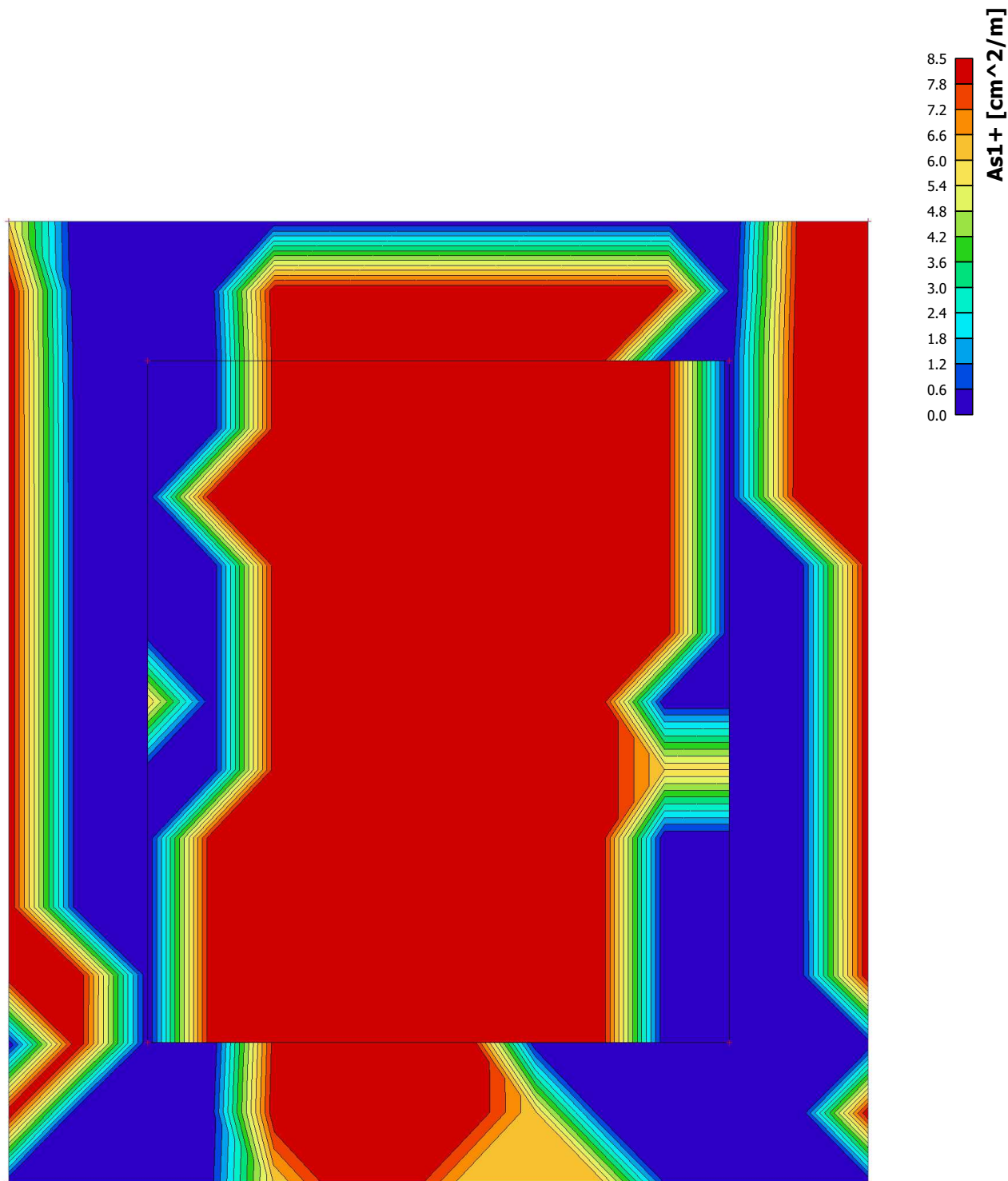


6.1.4. Member 2D - design - required areas; As2-

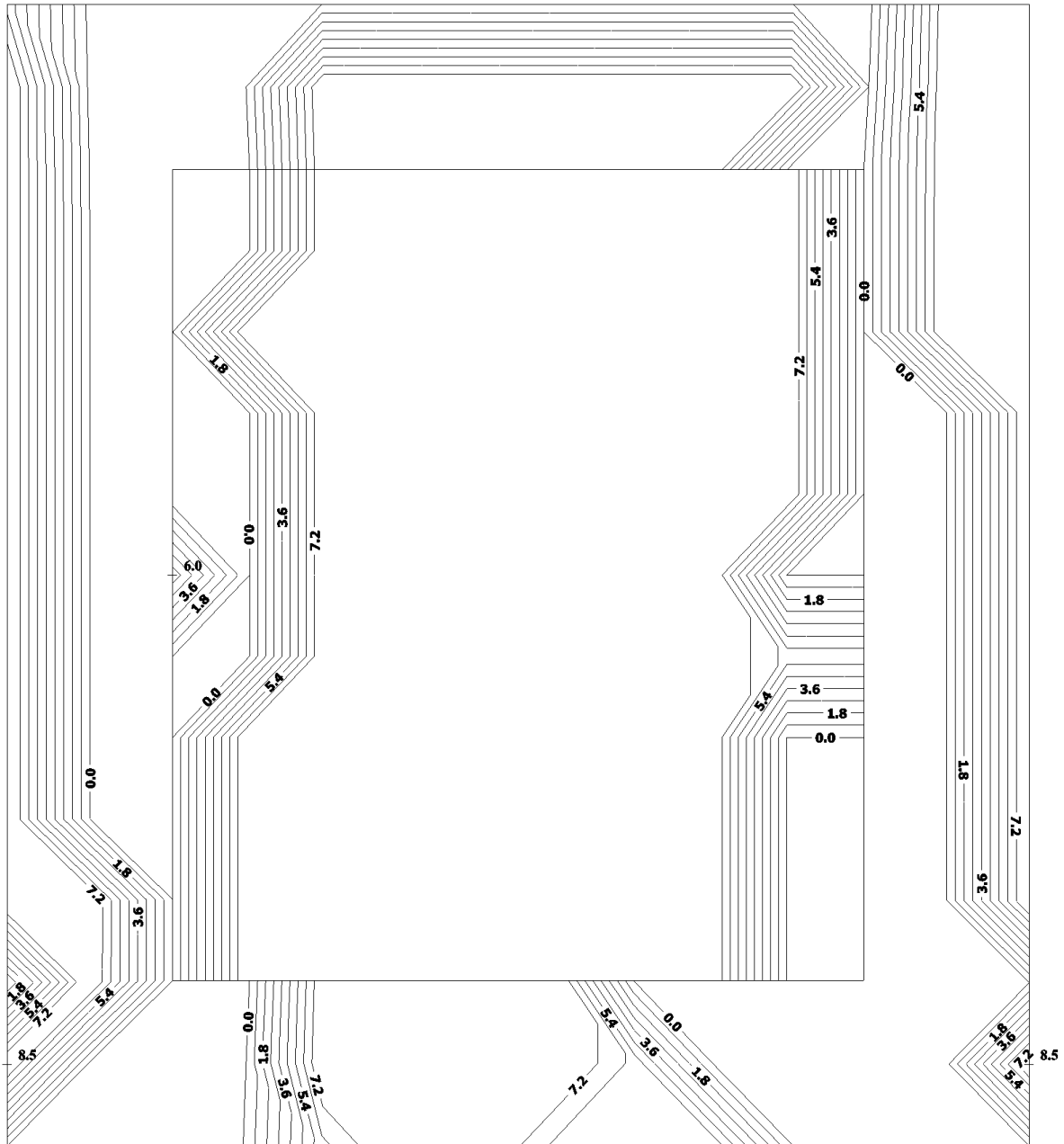
As2- [cm²/m]



6.1.5. Member 2D - design - required areas; As1+



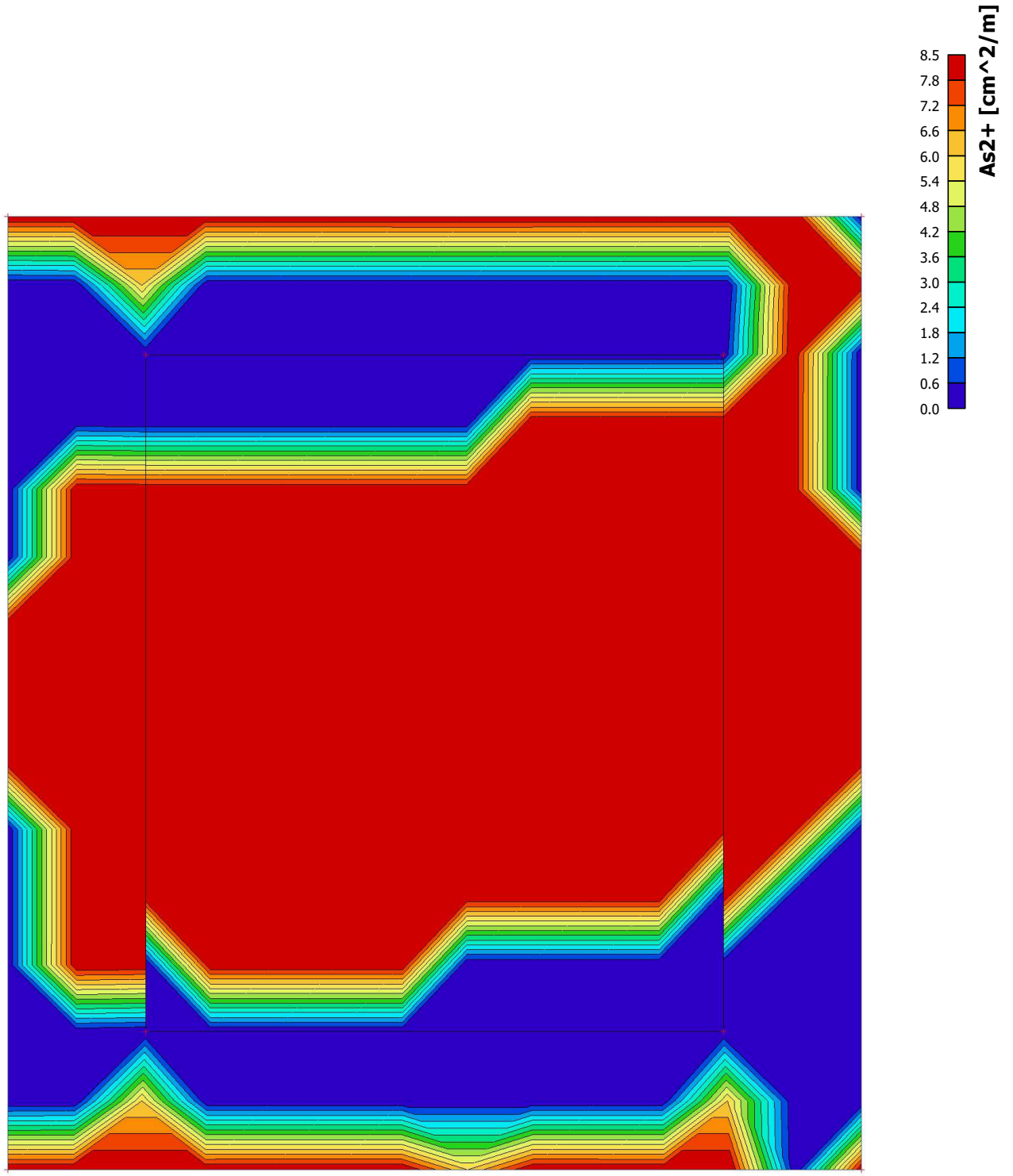
6.1.6. Member 2D - design - required areas; As1+



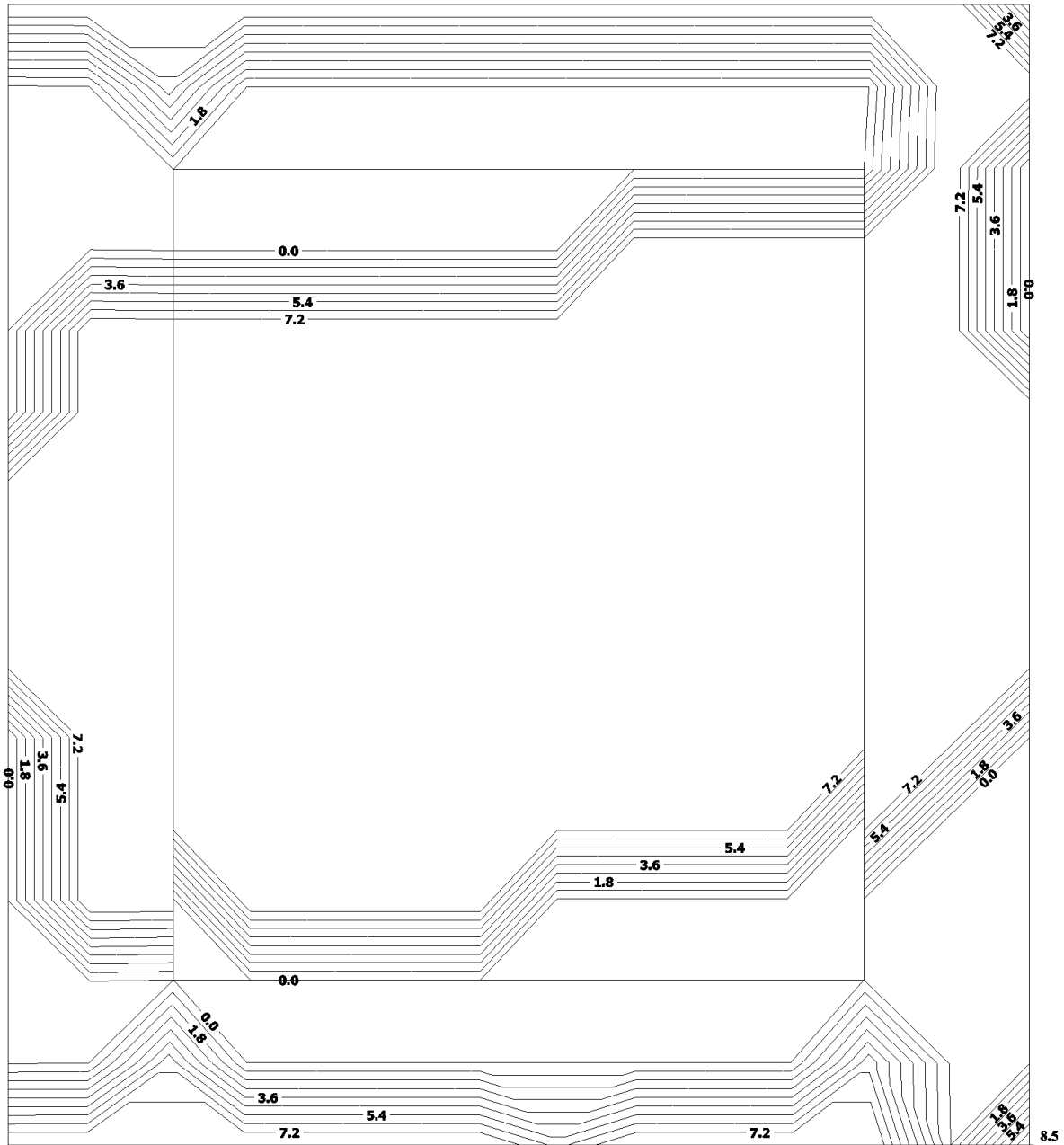
As1+ [cm²/m]



6.1.7. Member 2D - design - required areas; As2+

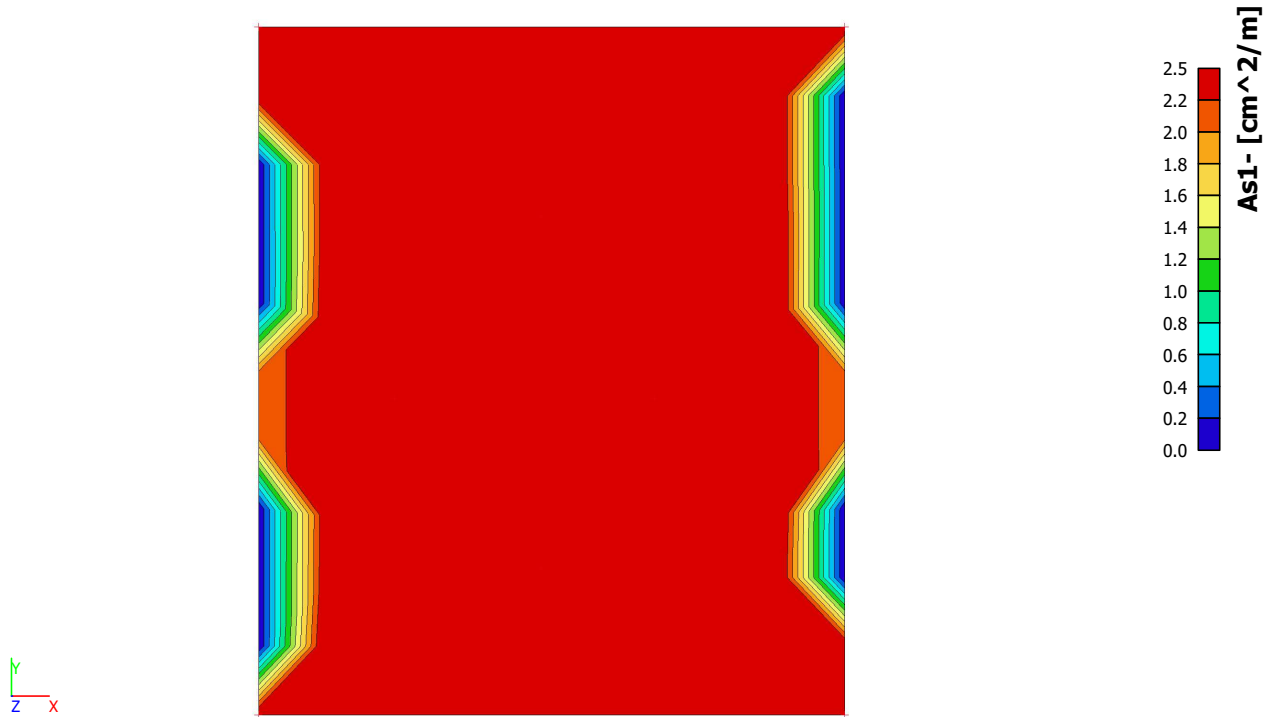


6.1.8. Member 2D - design - required areas; As2+

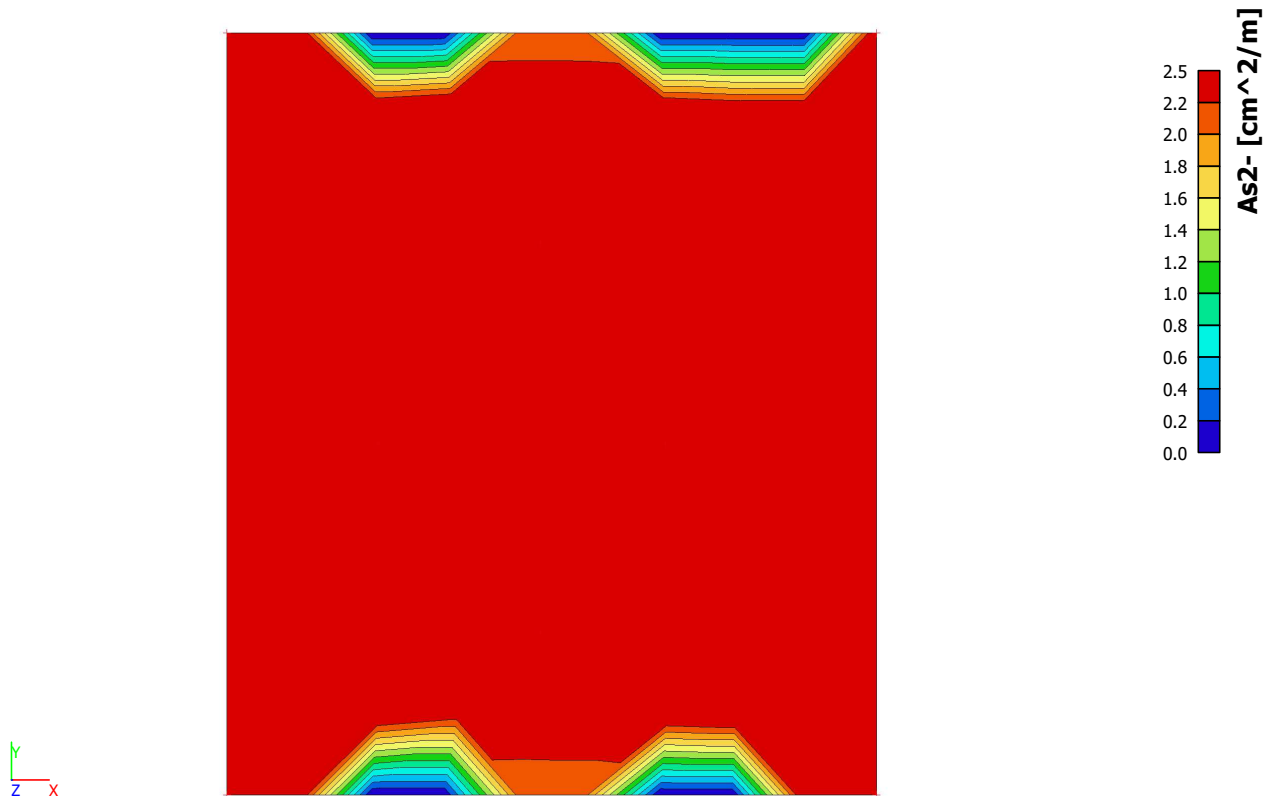


6.2. Streha 20cm

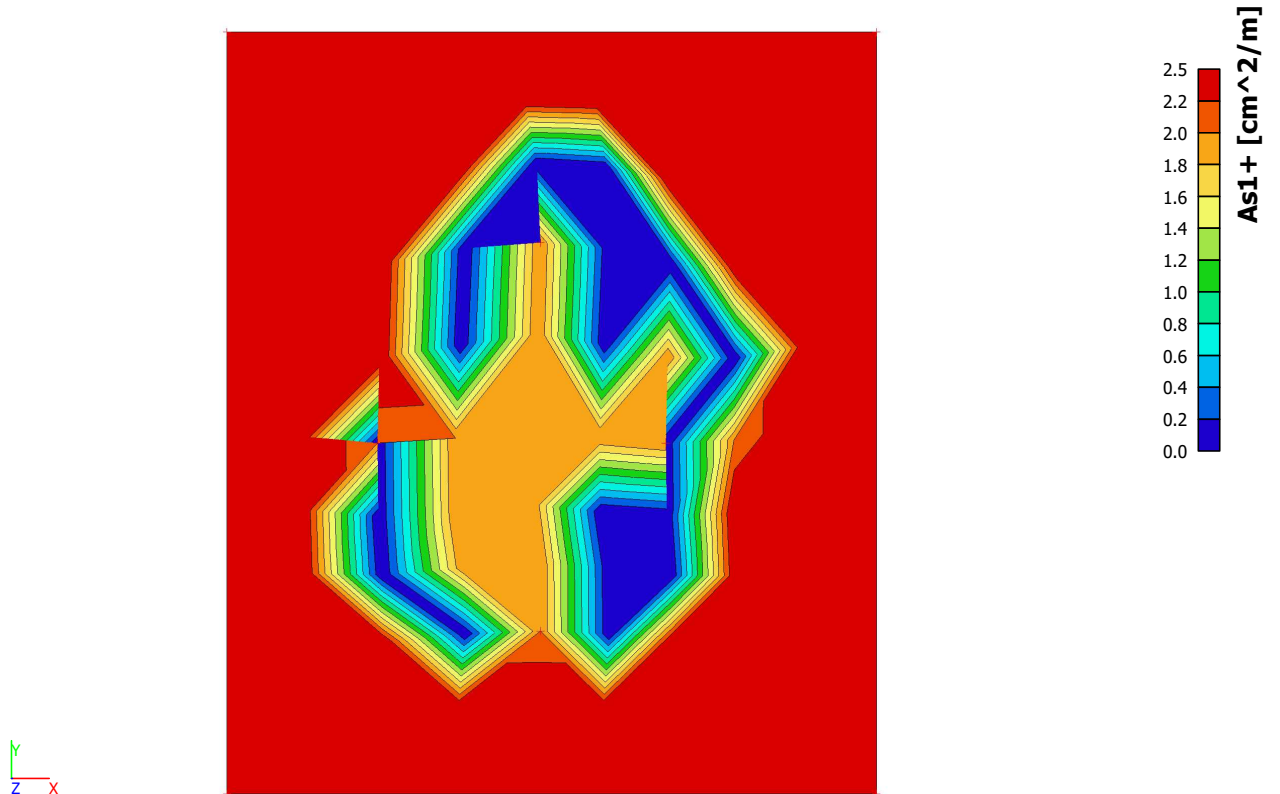
6.2.1. Member 2D - design - required areas; As1-



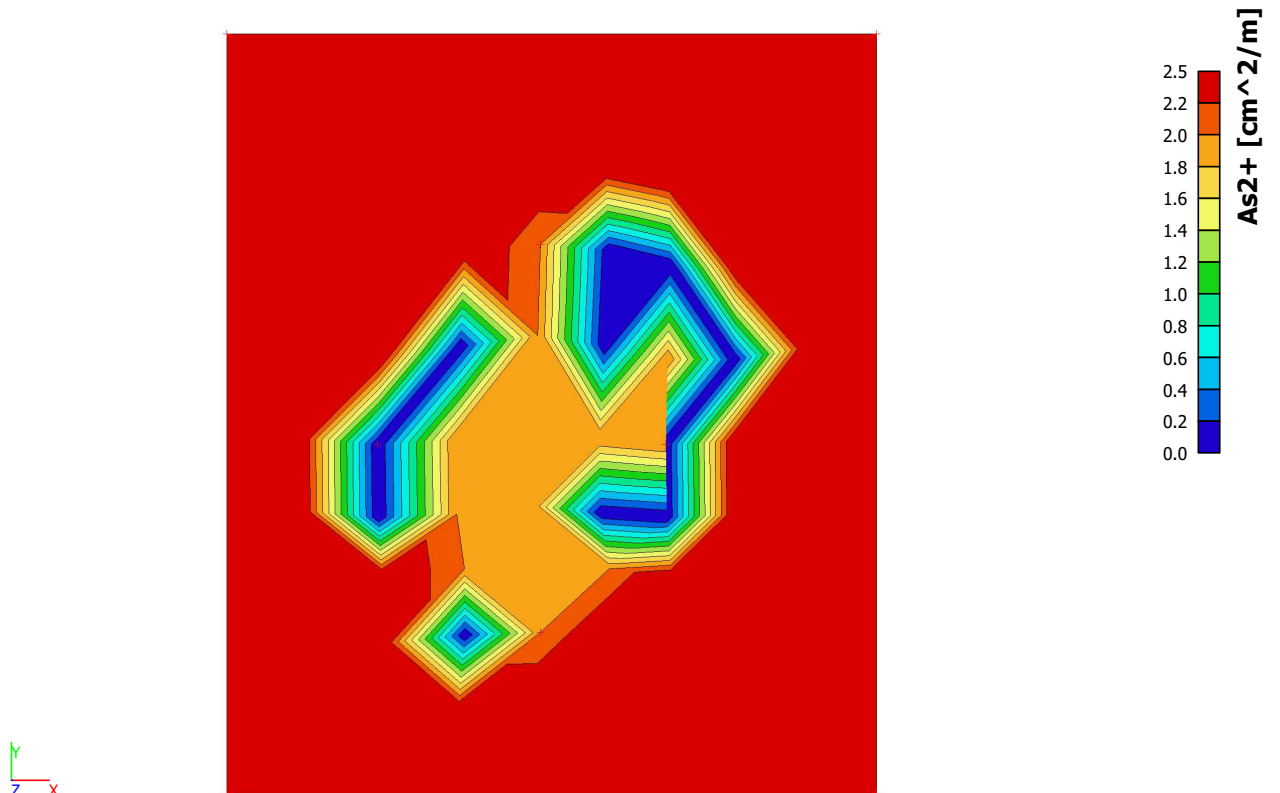
6.2.2. Member 2D - design - required areas; As2-



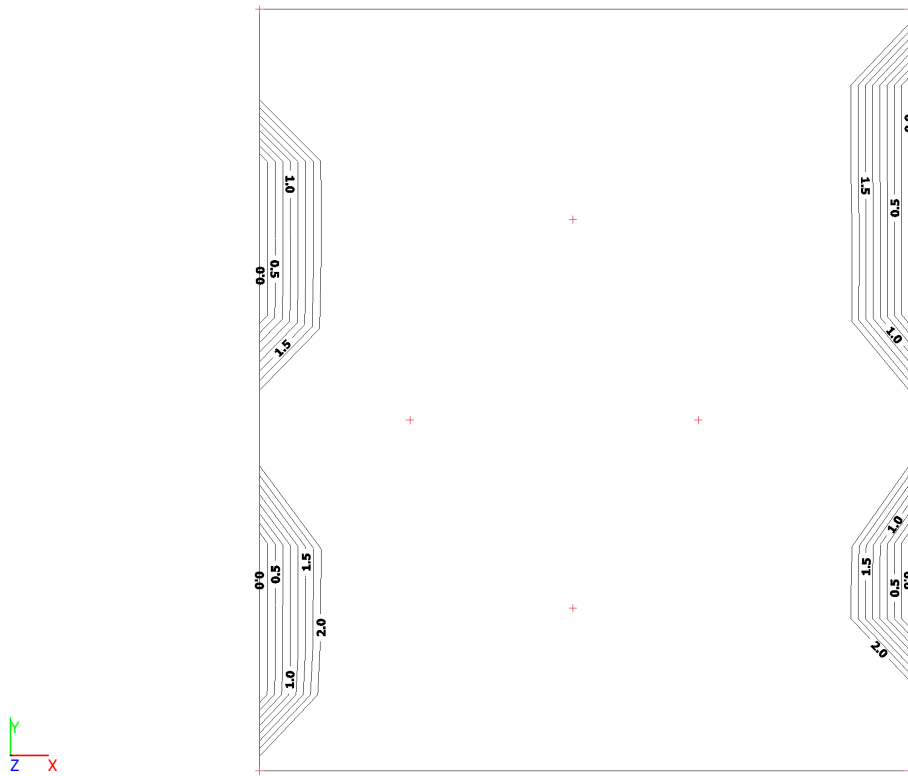
6.2.3. Member 2D - design - required areas; As1+



6.2.4. Member 2D - design - required areas; As2+

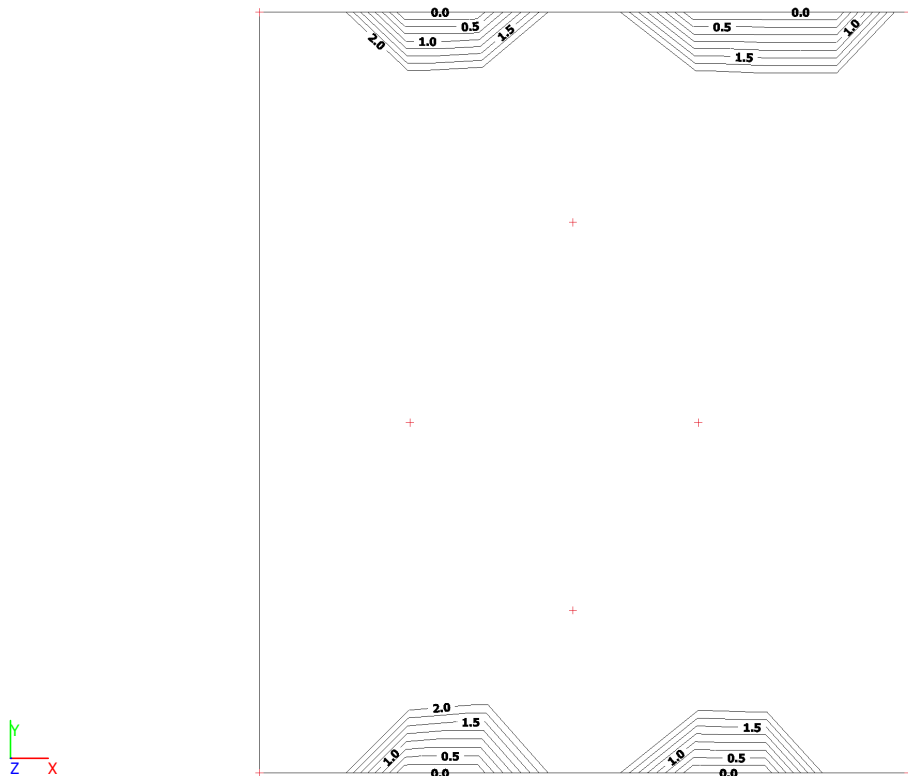


6.2.5. Member 2D - design - required areas; As1-



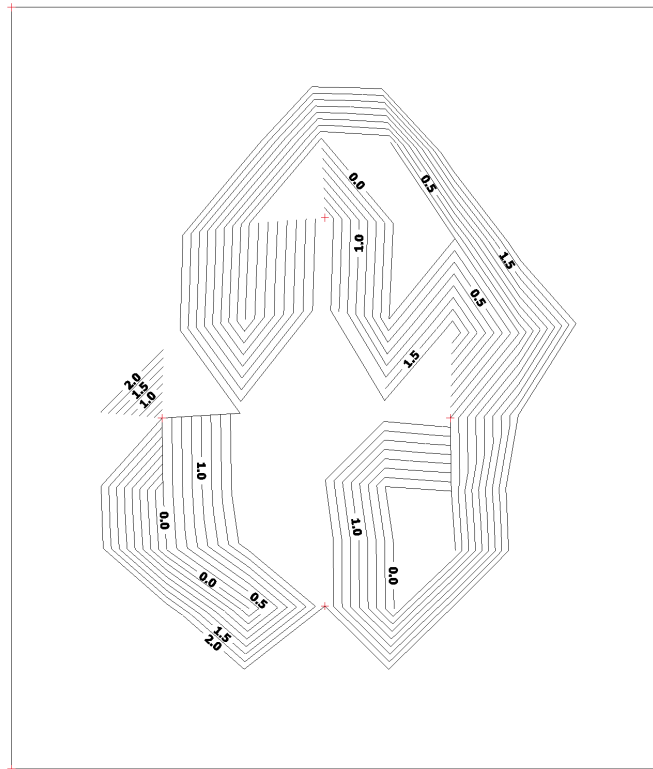
As1- [cm²/m]

6.2.6. Member 2D - design - required areas; As2-



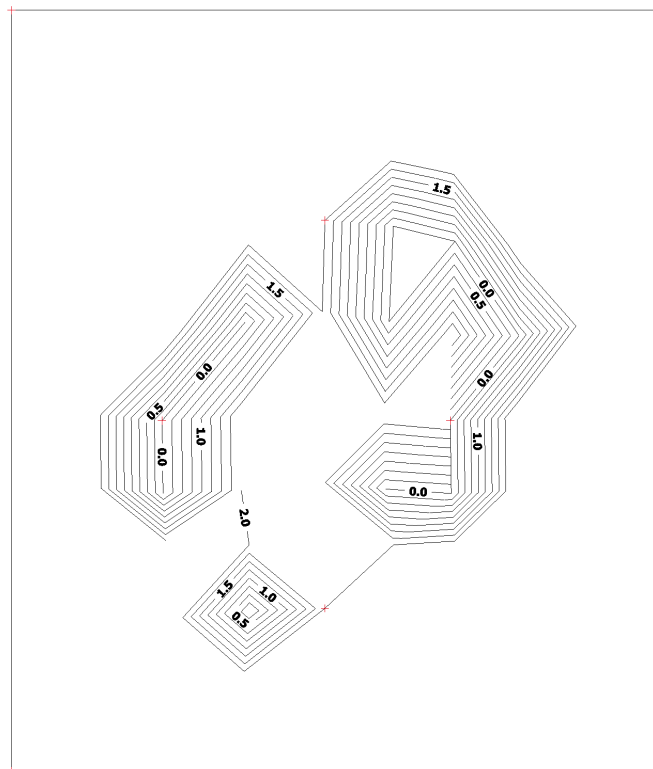
As2- [cm²/m]

6.2.7. Member 2D - design - required areas; As1+



As1+ [cm²/m]

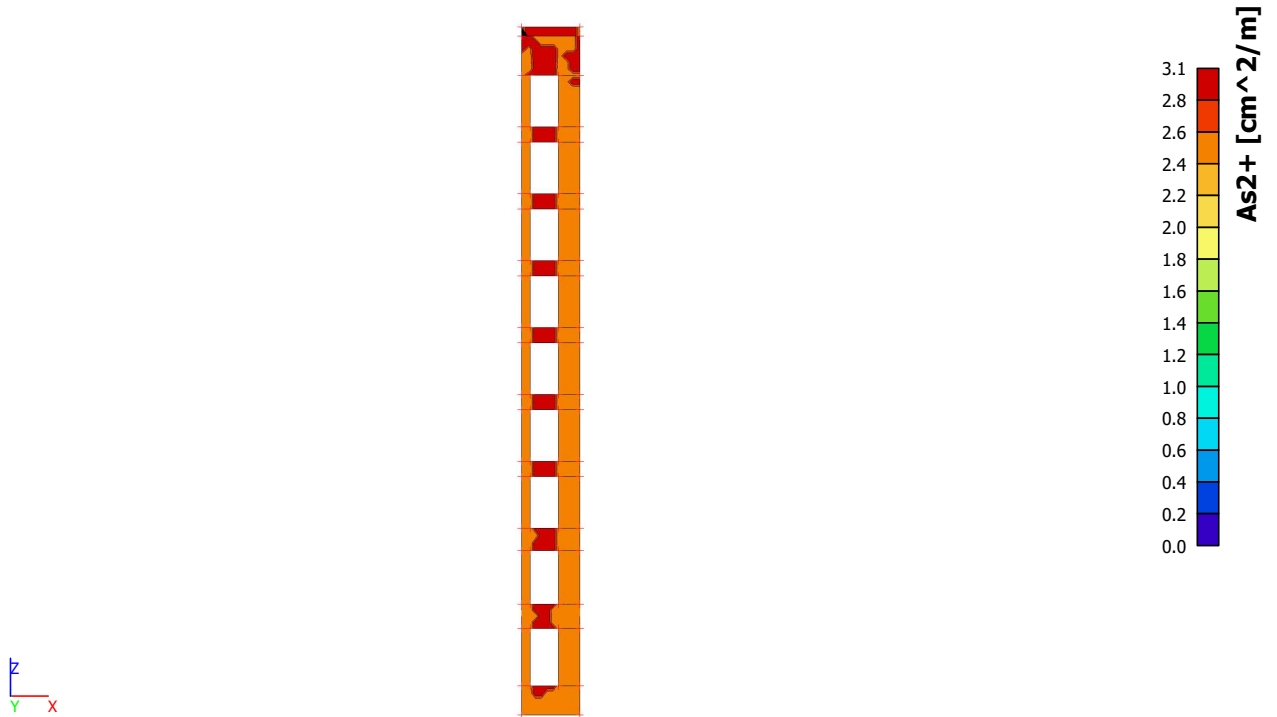
6.2.8. Member 2D - design - required areas; As2+



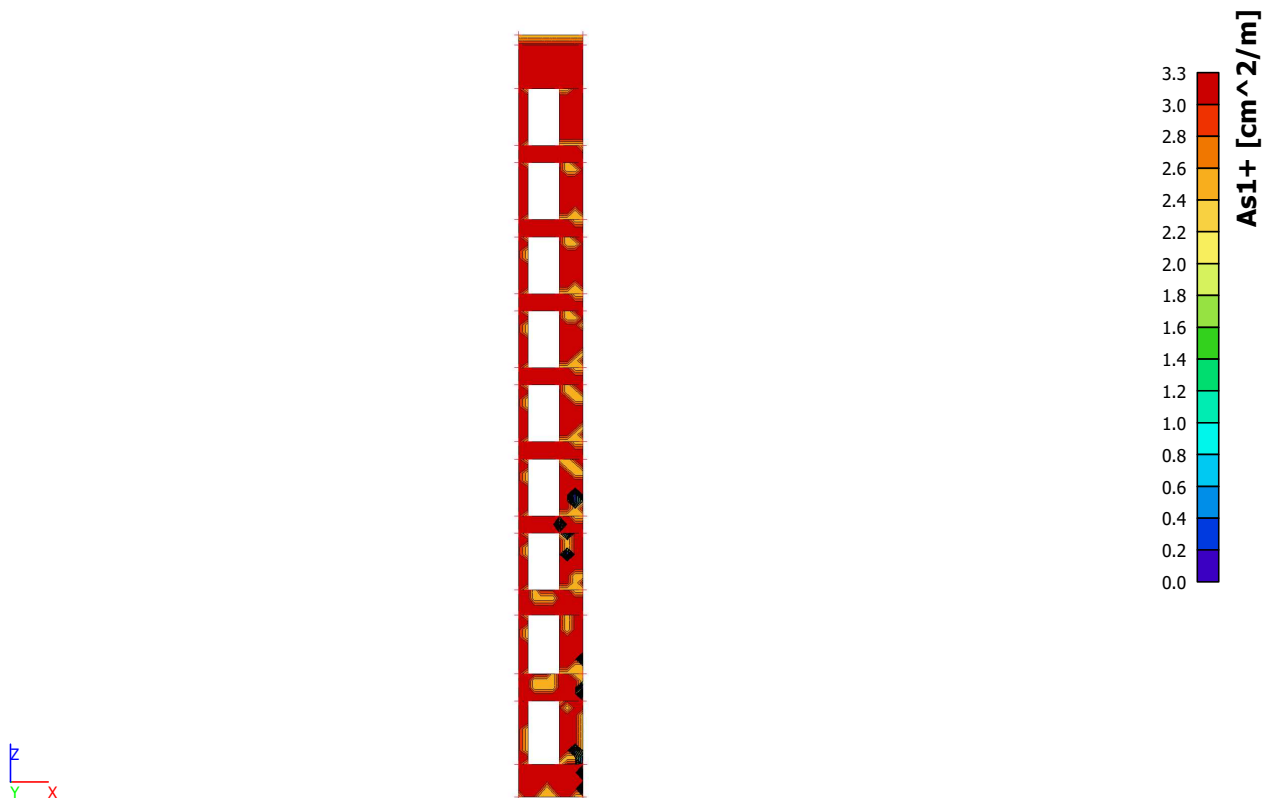
As2+ [cm²/m]

6.3. Stene 24cm

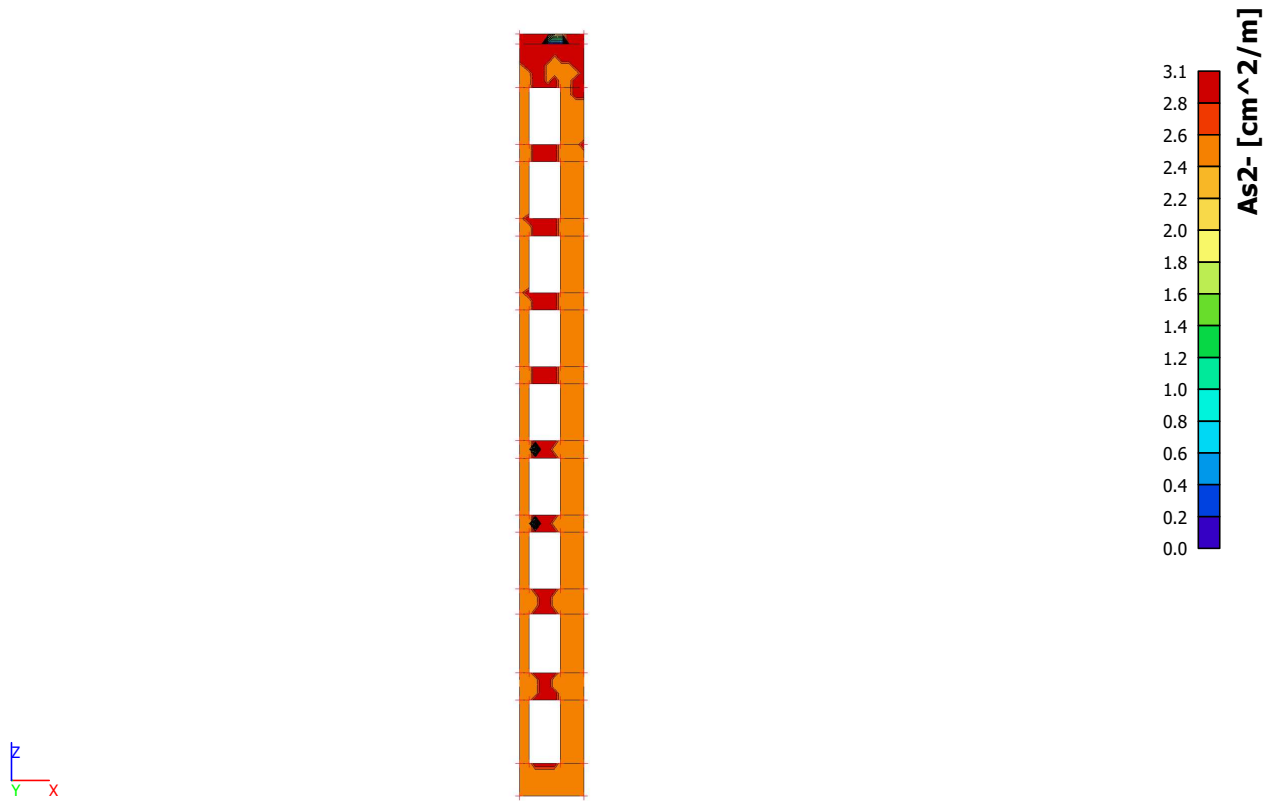
6.3.1. Member 2D - design - required areas; As2+



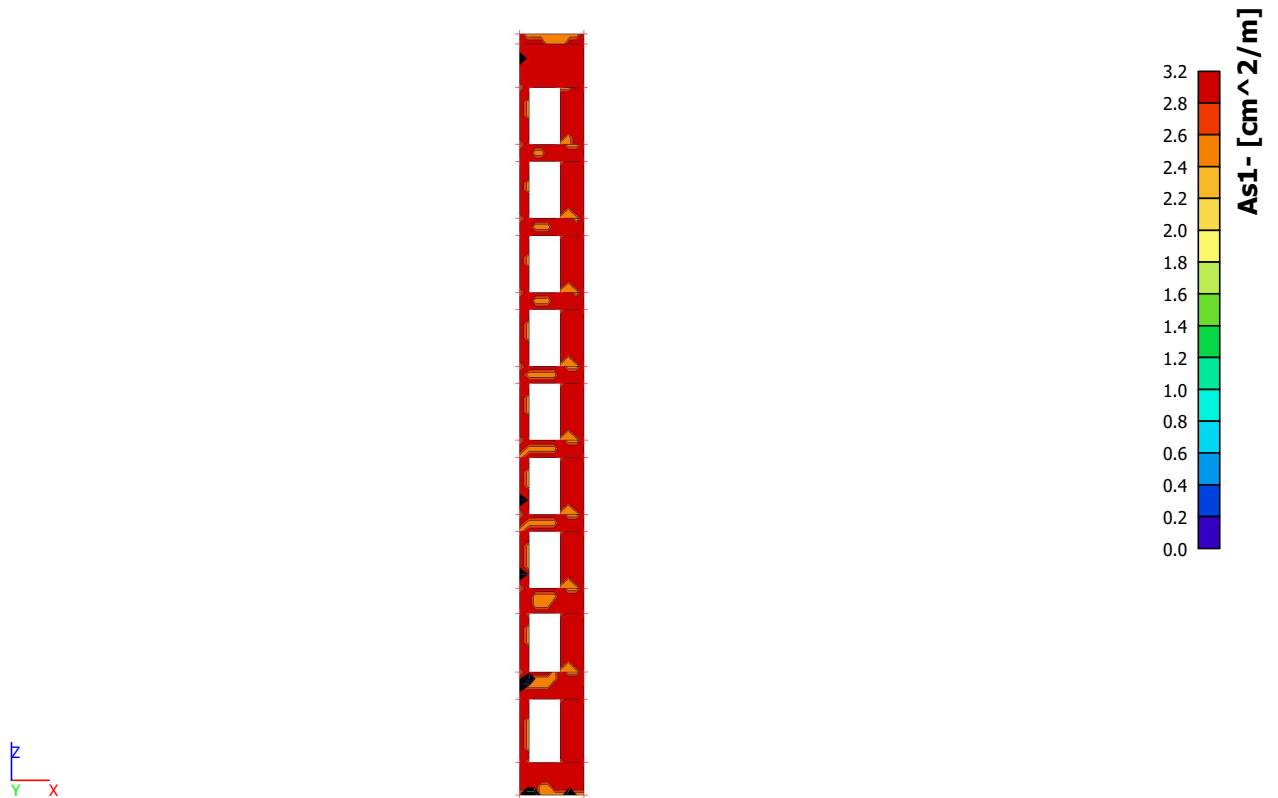
6.3.2. Member 2D - design - required areas; As1+



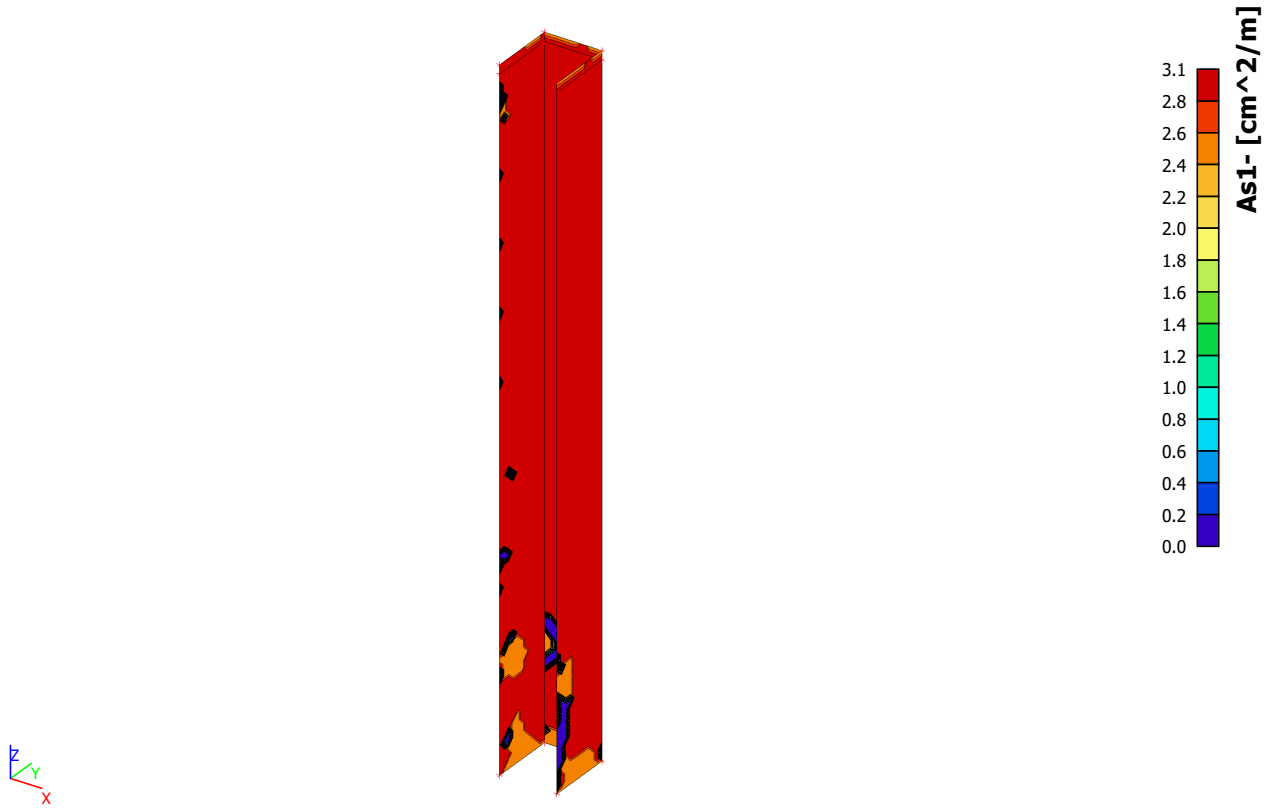
6.3.3. Member 2D - design - required areas; As2-



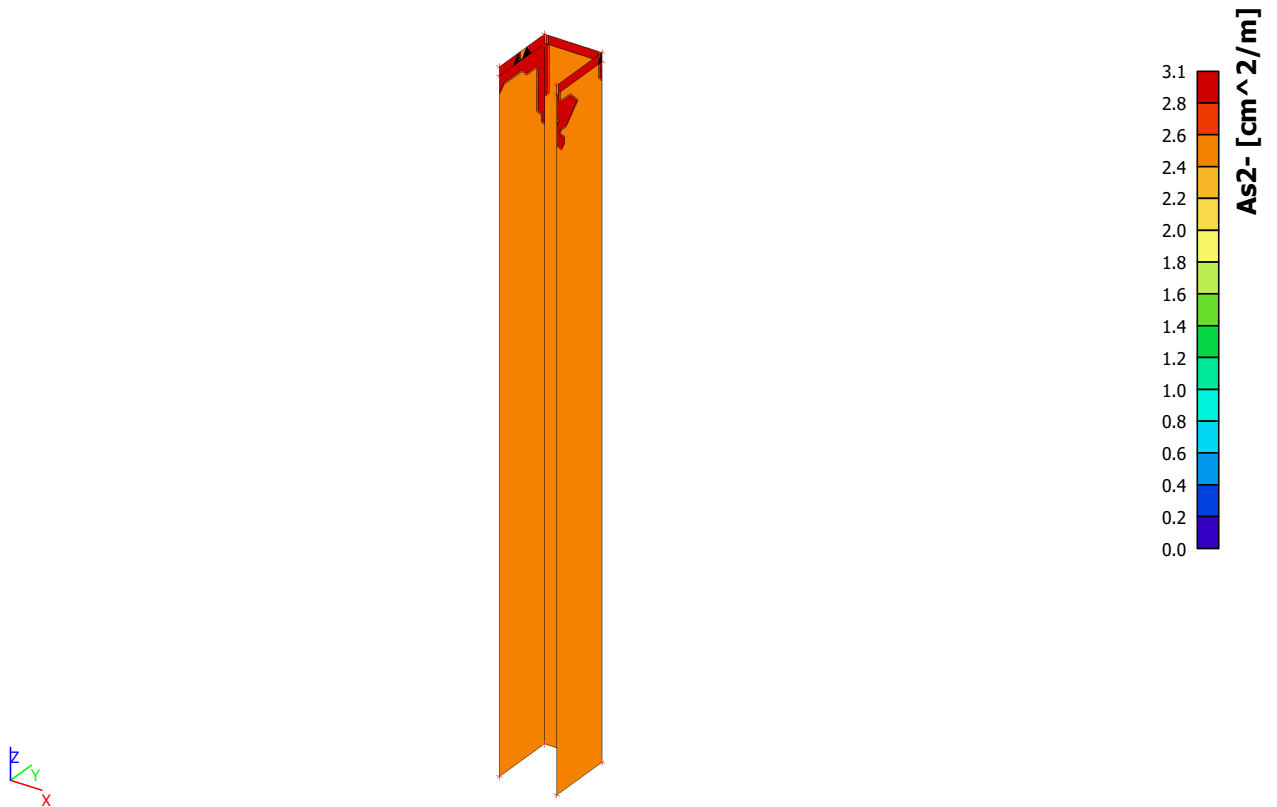
6.3.4. Member 2D - design - required areas; As1-



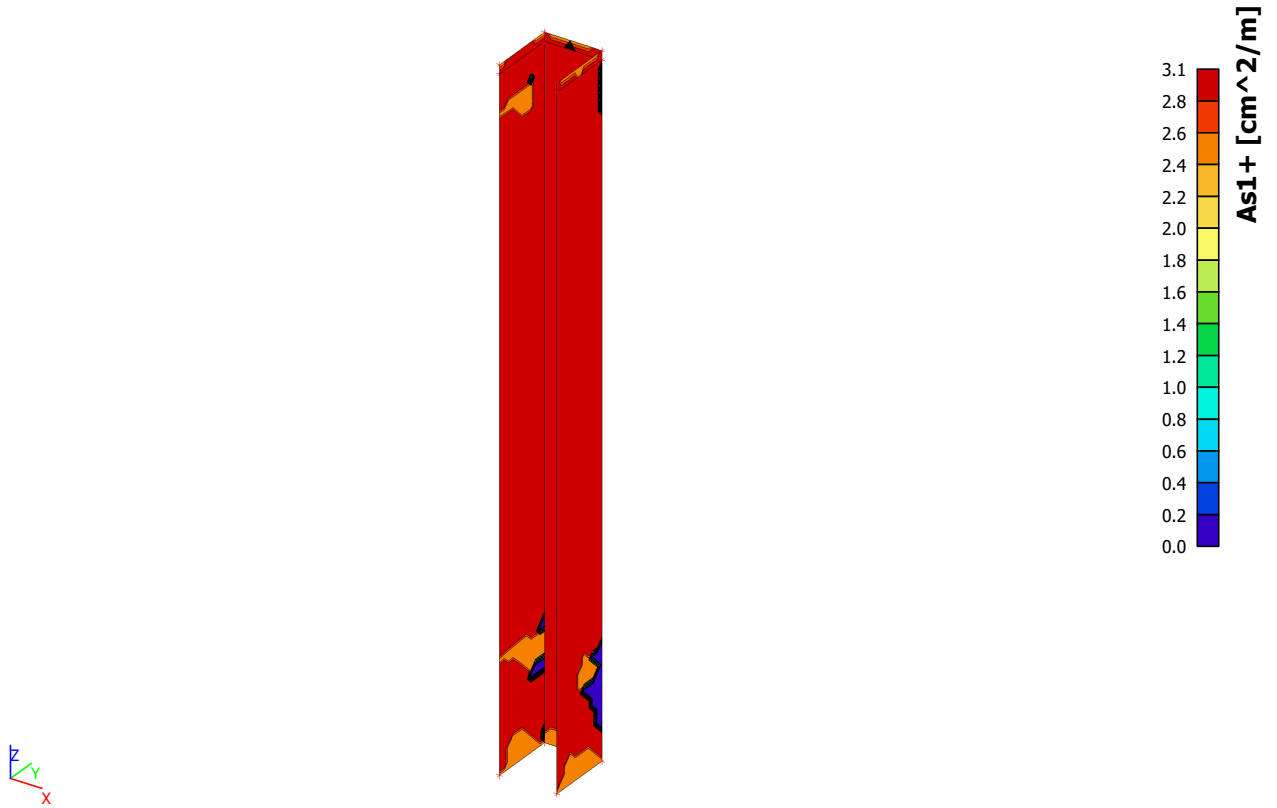
6.3.5. Member 2D - design - required areas; As1-



6.3.6. Member 2D - design - required areas; As2-



6.3.7. Member 2D - design - required areas; As1+



6.3.8. Member 2D - design - required areas; As2+

