

GARS JESENICE-TALNA PLOŠČA

Tabele materialov

No	Naziv materiala	E[kN/m ²]	μ	γ[kN/m ³]	αt[1/C]	Em[kN/m ²]	μm
1	Betoni MB 30	3.150e+7	0.20	25.00	1.000e-5	3.150e+7	0.20

Seti plošč

No	d[m]	e[m]	Material	Tip preračuna	Ortotropija	E2[kN/m ²]	G[kN/m ²]	α
<1>	0.160	0.080	1	Tanka plošča	Izotropna			

Seti površinskih podpor

Set	K,R1	K,R2	K,R3
1	3.000e+4	3.000e+4	3.000e+4

Konture plošč

No	Konturna vozlišča	Sklop	Set
1	1-407-986-1390-2765-1905-1	Nivo: [0.00]	1

Konture površinskih podpor

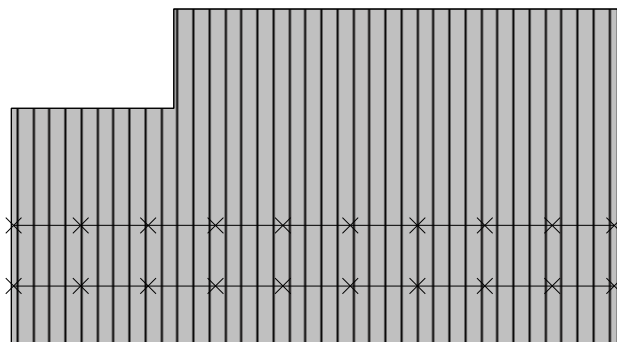
No	Konturna vozlišča	Sklop	Set
1	1-407-986-1390-2765-1905-1	Nivo: [0.00]	1

Lista obtežnih primerov

No	Naziv
1	lastna (g)
2	prometna

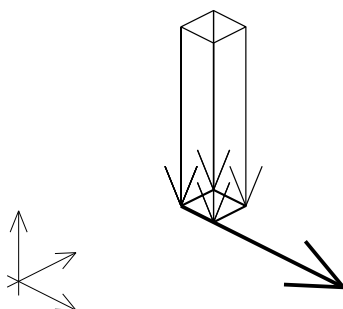
3 Kombinacija: 1.35xl+1.5xl

Obt. 2: prometna



Premična obtežba

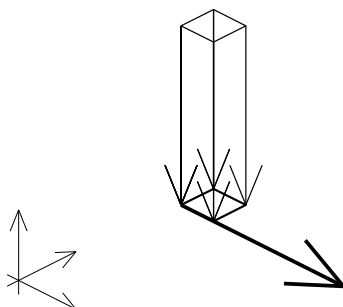
Obtežba 2: prometna


 $\Delta L=2$ m

Površinska obtežba								
No	q[kN/m ²]	X1[m]	Y1[m]	X2[m]	Y2[m]	X	Y	Z
1	-2000.00	0.00	0.00	0.20	0.20	0.00	0.00	1.00

Premična obtežba

Obtežba 2: prometna


 $\Delta L=2$ m

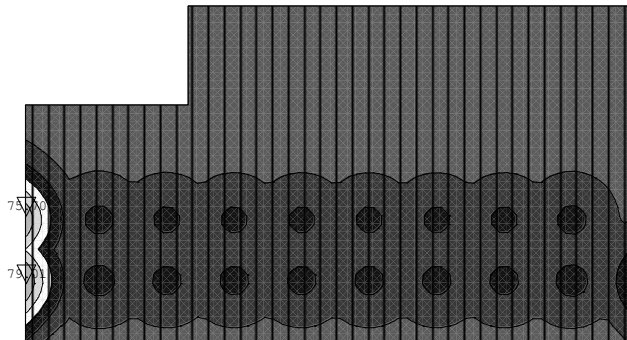
Površinska obtežba								
No	q[kN/m ²]	X1[m]	Y1[m]	X2[m]	Y2[m]	X	Y	Z
1	-2000.00	0.00	0.00	0.20	0.20	0.00	0.00	1.00

Statični preračun

Obt. 3: 1.35xl+1.5xII

σ, τ_{al} [kN/m²]

-2.10
0.00
13.17
26.34
39.51
52.68
65.85
79.02

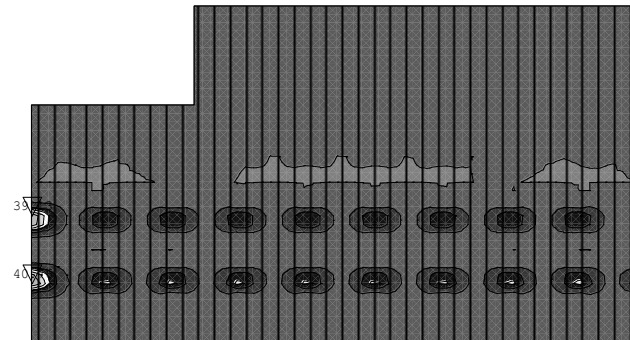


Vplivi v pov.podpori: max σ, τ_{al} = 79.01 / min σ, τ_{al} = 0.00 kN/m²

Obt. 3: 1.35xl+1.5xII

M_y [kNm/m]

-0.01
0.00
6.80
13.59
20.39
27.18
33.98
40.77

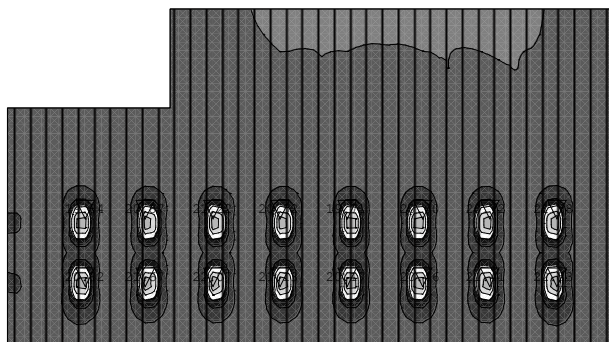


Vplivi v plošči: max M_y = 40.76 / min M_y = 0.00 kNm/m

Obt. 3: 1.35xl+1.5xII

M_x [kNm/m]

-0.01
0.00
3.76
7.51
11.27
15.03
18.78
22.54

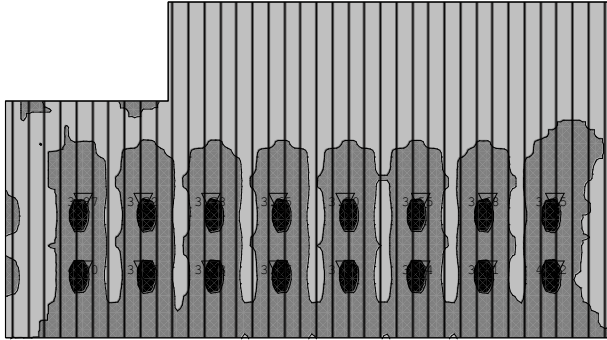


Vplivi v plošči: max M_x = 22.53 / min M_x = 0.00 kNm/m

Dimenzioniranje (beton)

Merodajna optežba : 1.35xI+1.50xII
EUROCODE, C 30, S500N, a=2.50 cm

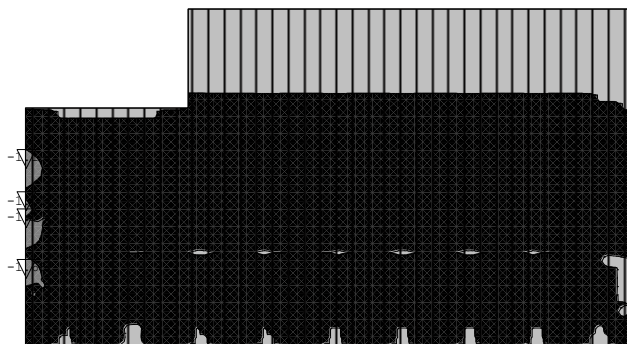
Aa - sp.cona - Smer 1 [cm2/m]
0.00
2.02
4.03



Aa - sp.cona - Smer 1 - max As1= 4.02 cm2/m

Merodajna optežba : 1.35xI+1.50xII
EUROCODE, C 30, S500N, a=2.50 cm

Aa - zg.cona - Smer 2 [cm2/m]
-1.77
-0.89
0.00



Aa - zg.cona - Smer 2 - max Az2= -1.77 cm2/m

Merodajna optežba : 1.35xI+1.50xII
EUROCODE, C 30, S500N, a=2.50 cm

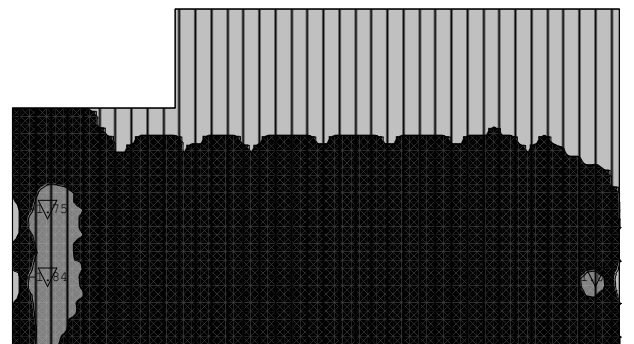
Aa - sp.cona - Smer 2 [cm2/m]
0.00
3.76
7.52



Aa - sp.cona - Smer 2 - max As2= 7.52 cm2/m

Merodajna optežba : 1.35xI+1.50xII
EUROCODE, C 30, S500N, a=2.50 cm

Aa - zg.cona - Smer 1 [cm2/m]
-1.84
-0.92
0.00



Aa - zg.cona - Smer 1 - max Az1= -1.84 cm2/m