

Osnovni podaci o modelu, Ulazni podaci - Konstrukcija

Datoteka: 4_Osmine A.twp
Datum proračuna: 23.4.2016

Način proračuna: 3D model

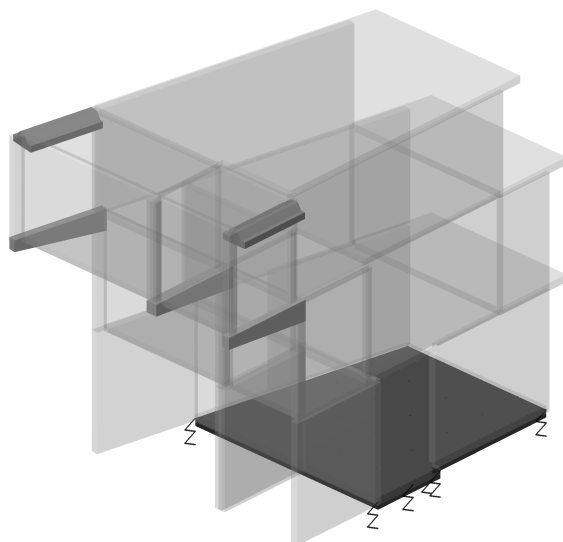
- ☒ Teorija I-og reda ☐ Modalna analiza ☐ Stabilnost
☐ Teorija II-og reda ☐ Seizmički proračun ☐ Faze građenja
☐ Nelinearni proračun

Veličina modela

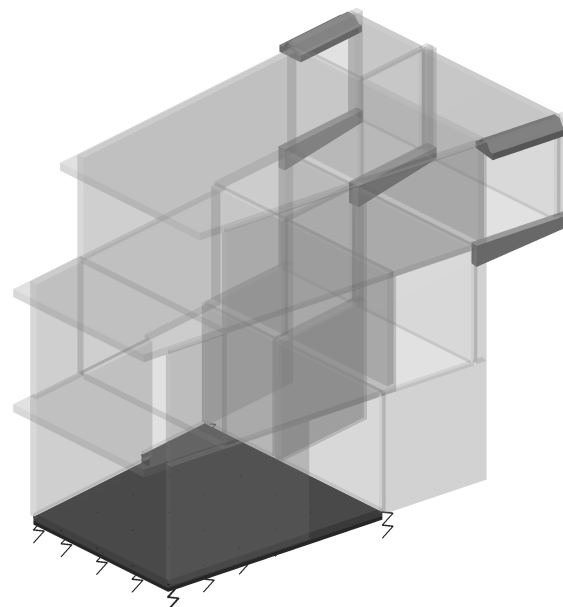
Broj čvorova: 3442
 Broj pločastih elemenata: 2754
 Broj grednih elemenata: 28
 Broj graničnih elemenata: 2213
 Broj osnovnih slučajeva opterećenja: 2
 Broj kombinacija opterećenja: 2

Jedinice mjera

Dužina: m [cm,mm]
 Sila: kN
 Temperatura: Celsius

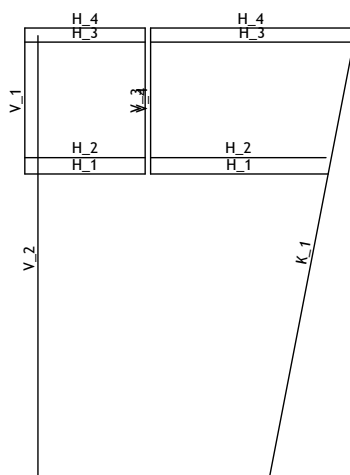


Izometrija



Izometrija

V_1 H_5 H_5 V_1



Dispozicija okvira

Tabela materijala

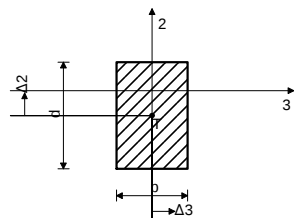
No	Naziv materijala	E[kN/m ²]	μ	γ [kN/m ³]	α [1/C]	Em[kN/m ²]	μ
1	Beton C25/30	3.150e+7	0.20	25.00	1.000e-5	3.150e+7	0.20

Setovi ploča

No	d[m]	e[m]	Materijal	Tip proračuna	Ortotropija	E2[kN/m ²]	G[kN/m ²]	α
<1>	0.160	0.080	1	Tanka ploča	Izotropna			
<2>	0.200	0.100	1	Tanka ploča	Izotropna			
<3>	0.200	0.100	1	Tanka ploča	Izotropna			

Setovi greda

Set: 2 Presjek: Promjenjiv, Fiktivna ekscentričnost



Mat. 1 - Beton C25/30
Tip promjene Relativna linearna promjena.

No	dL	$\Delta 3$ [cm]	$\Delta 2$ [cm]	b [cm]	d [cm]
S	0	0.00	-7.00	20.00	30.00
E	1	0.00	-19.50	20.00	55.00

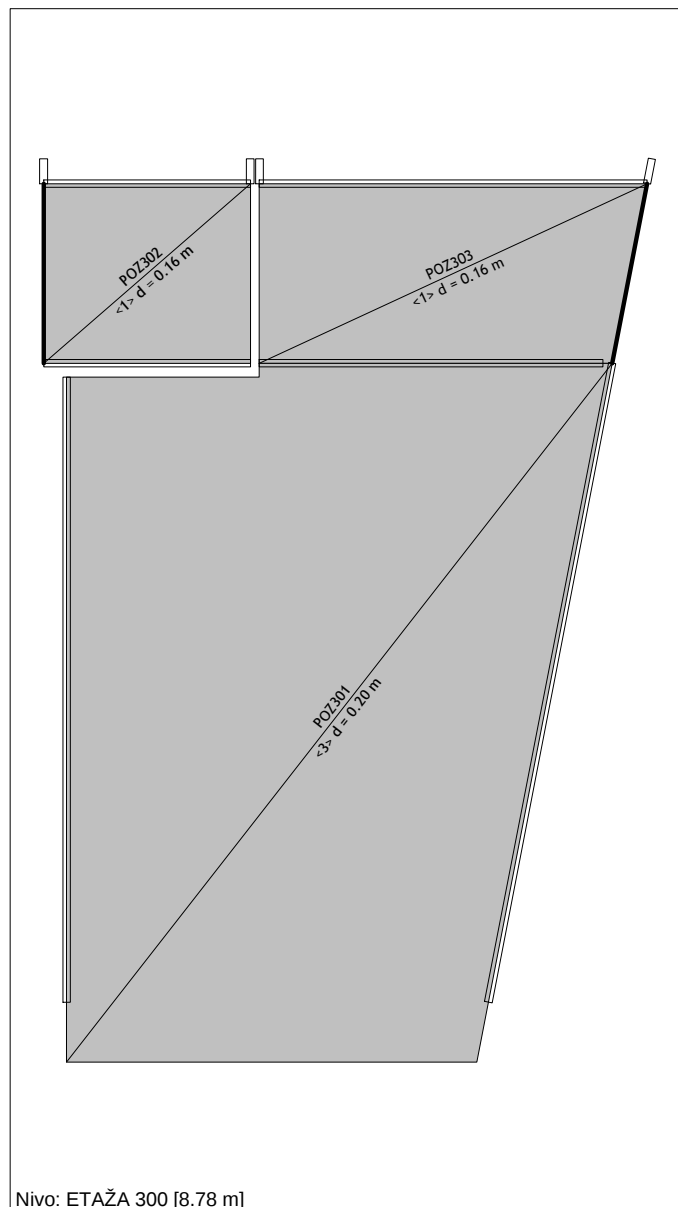
Setovi površinskih ležajeva

Set	K,R1	K,R2	K,R3
1	1.000e+5	1.000e+5	1.000e+5

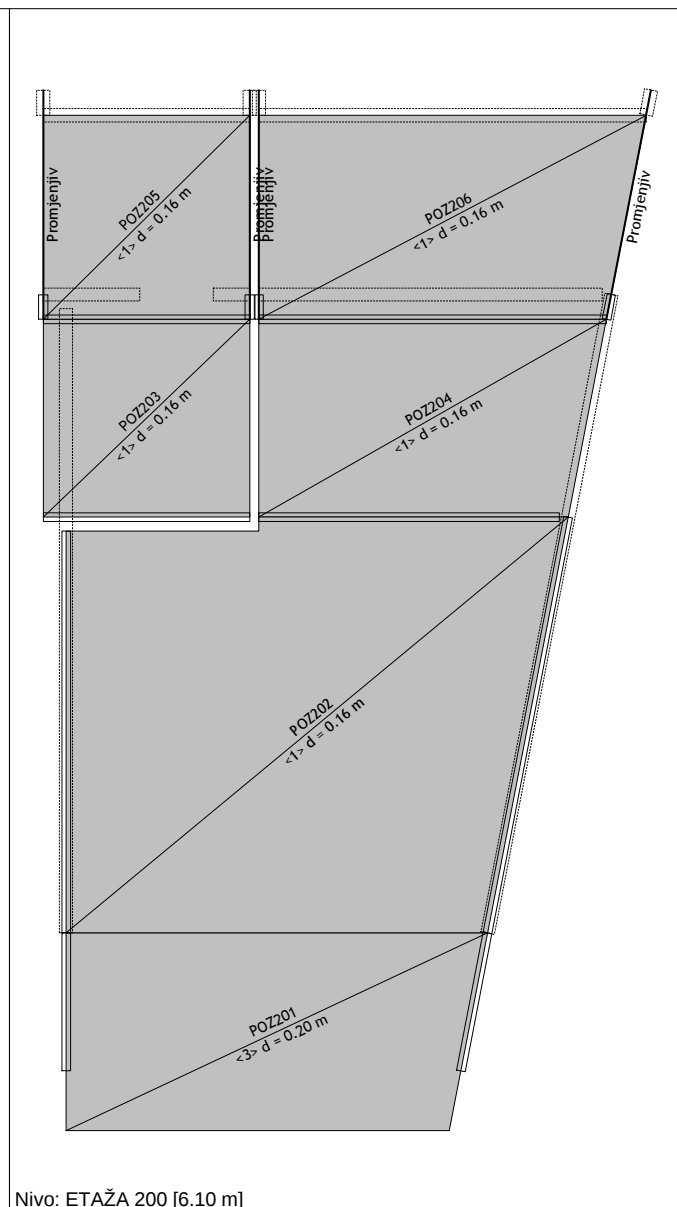
Setovi linijskih ležajeva

Set	K,R1	K,R2	K,R3	K,M1	Tlo [m]
1		1.000e+5			0.400

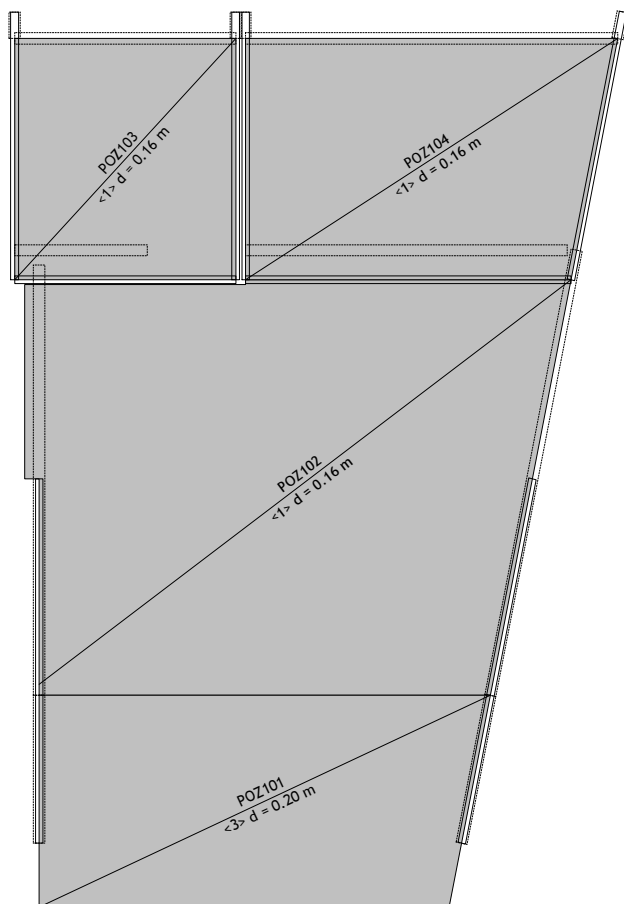
PLAN POZICIJA



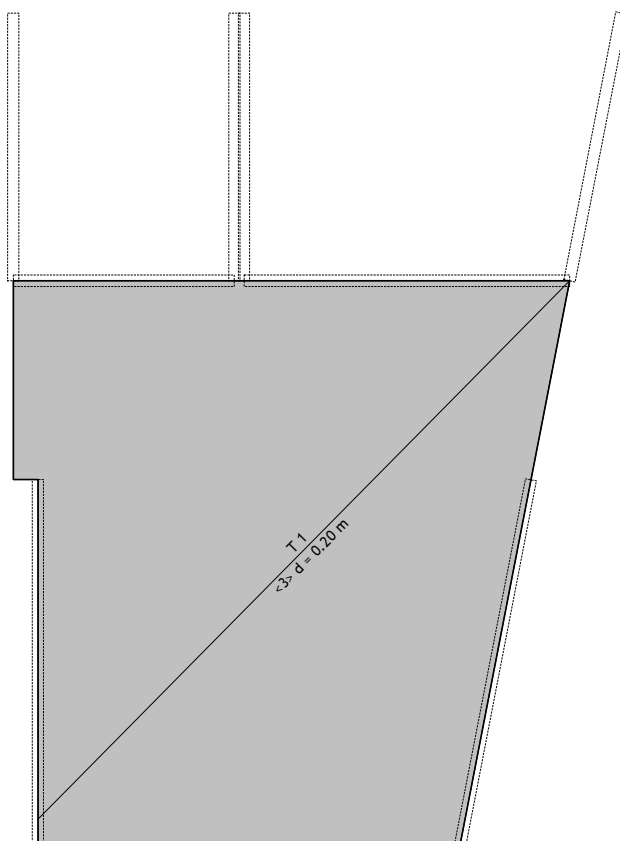
Nivo: ETAŽA 300 [8.78 m]



Nivo: ETAŽA 200 [6.10 m]

Ulazni podaci - Opterećenje

Nivo: ETAŽA 100 [3.10 m]

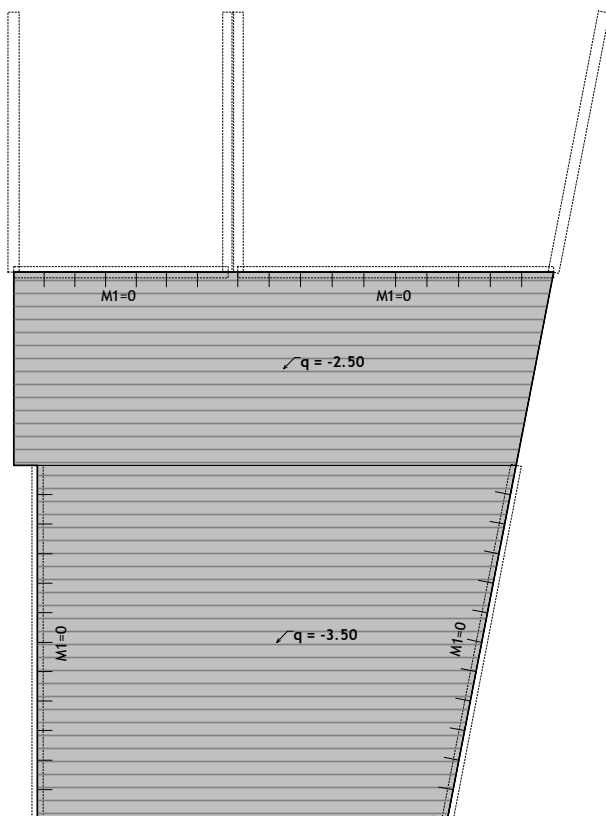


Nivo: TEMELJI [0.00 m]

Lista slučajeva opterećenja

LC	Naziv
1	STALNO (g)
2	UPORABNO

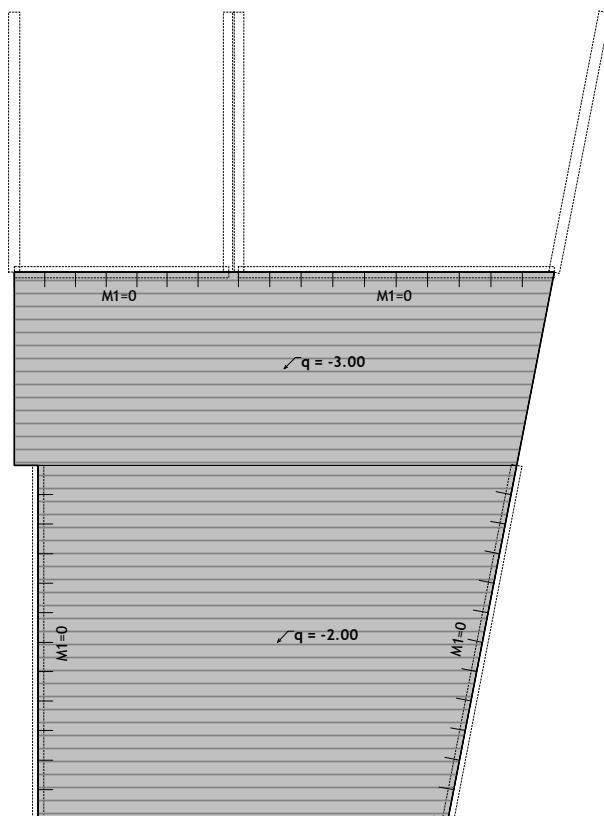
Opt. 1: STALNO (g)



Nivo: TEMELJI [0.00 m]

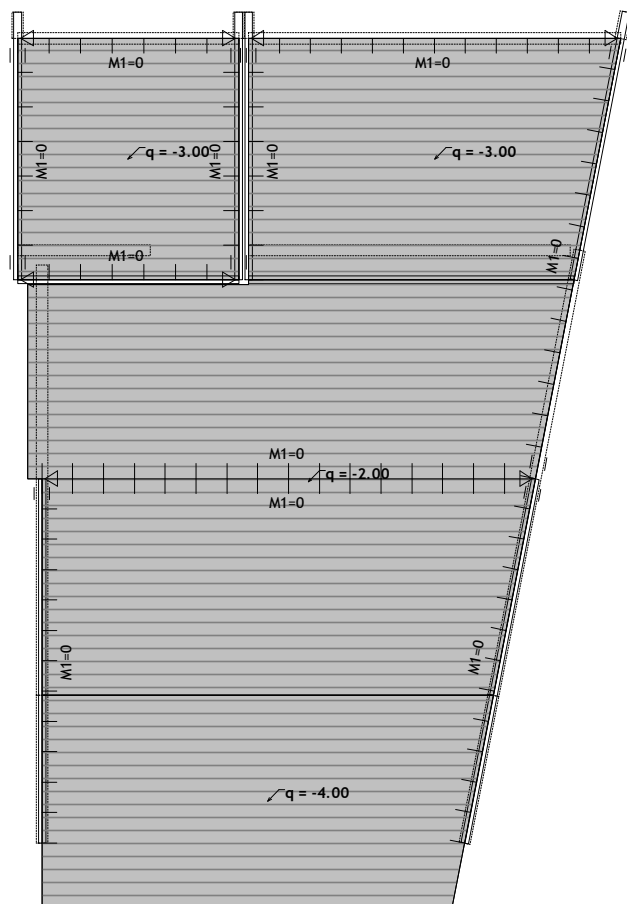
LC	Naziv
3	Komb.: 1.35xI+1.5xII
4	Komb.: I+II

Opt. 2: UPORABNO



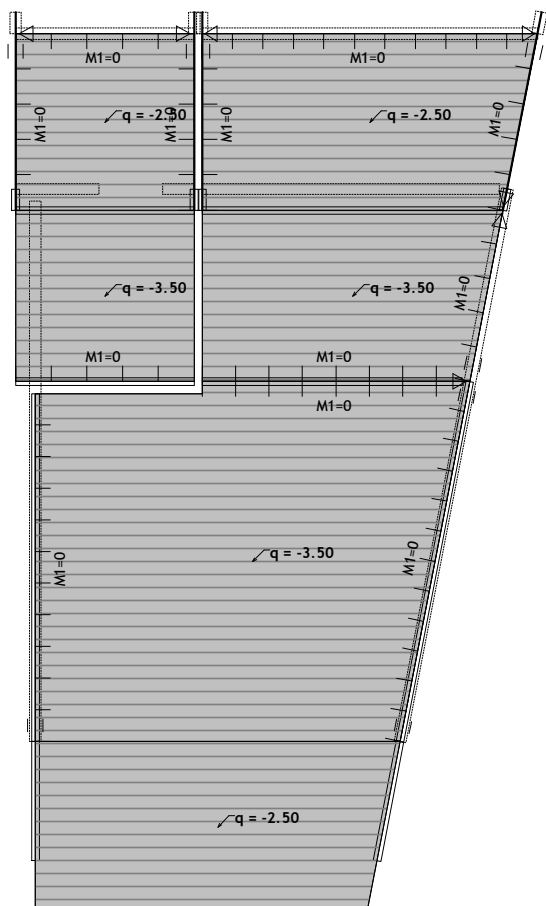
Nivo: TEMELJI [0.00 m]

Opt. 2: UPORABNO



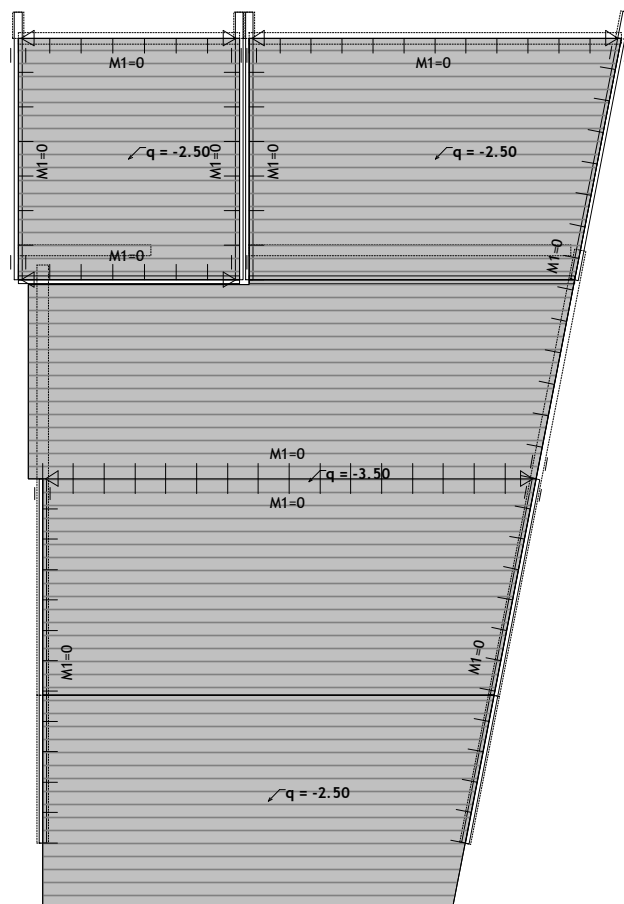
Nivo: ETAŽA 100 [3.10 m]

Opt. 1: STALNO (g)



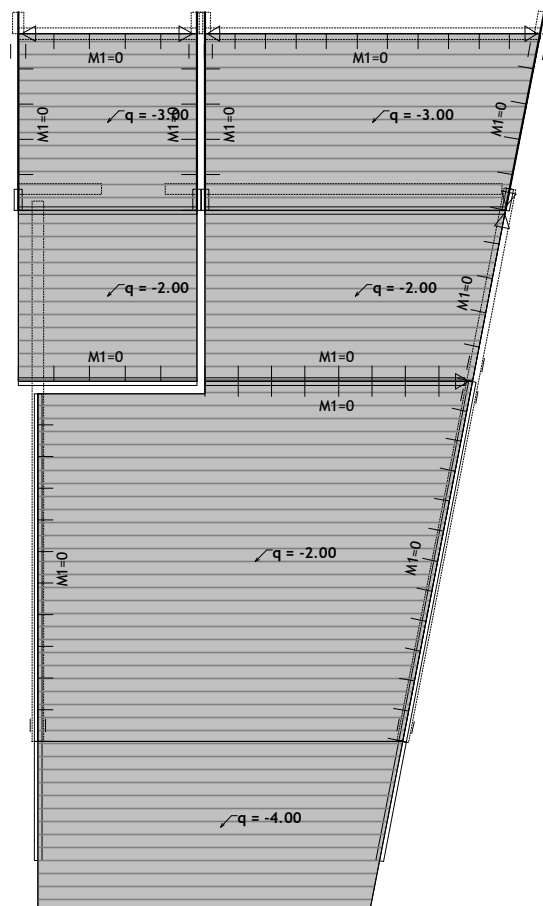
Nivo: ETAŽA 200 [6.10 m]

Opt. 1: STALNO (g)



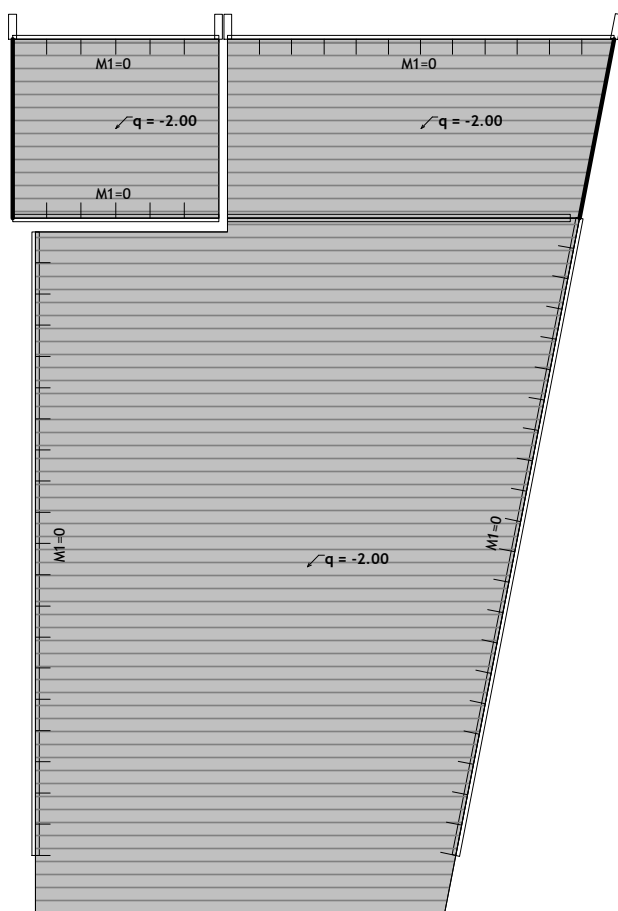
Nivo: ETAŽA 100 [3.10 m]

Opt. 2: UPORABNO



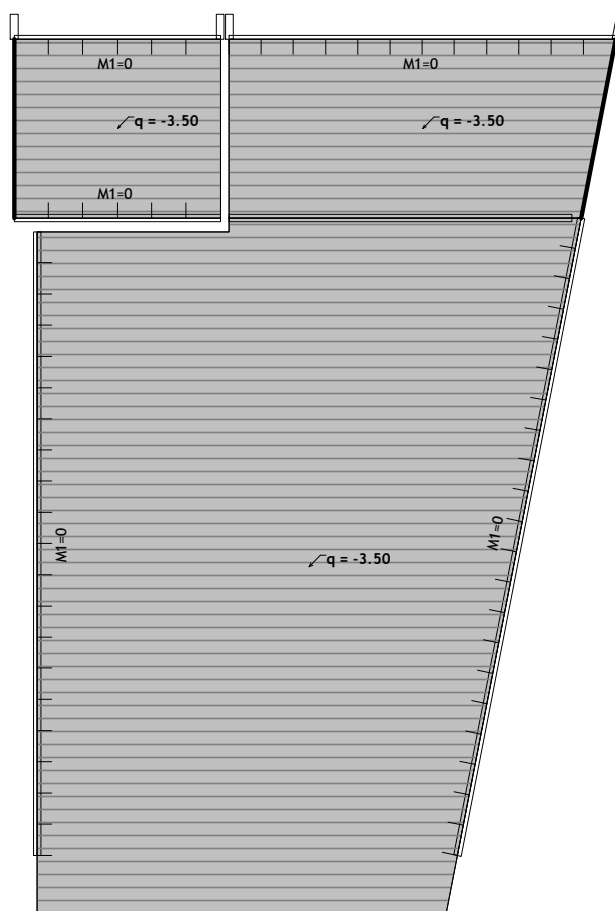
Nivo: ETAŽA 200 [6.10 m]

Opt. 2: UPORABNO



Nivo: ETAŽA 300 [8.78 m]

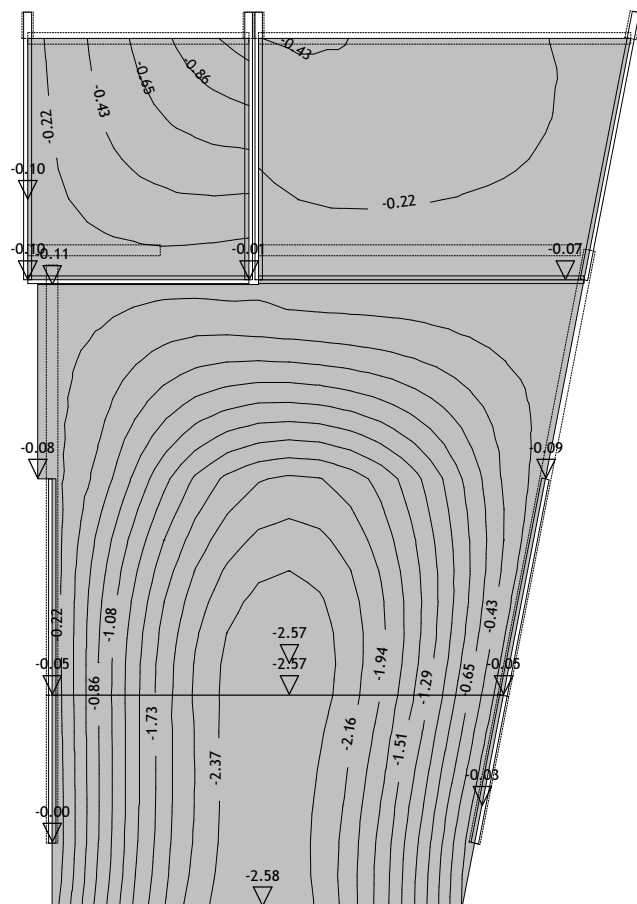
Opt. 1: STALNO (g)



Nivo: ETAŽA 300 [8.78 m]

Statički proračun

Opt. 4: I+II

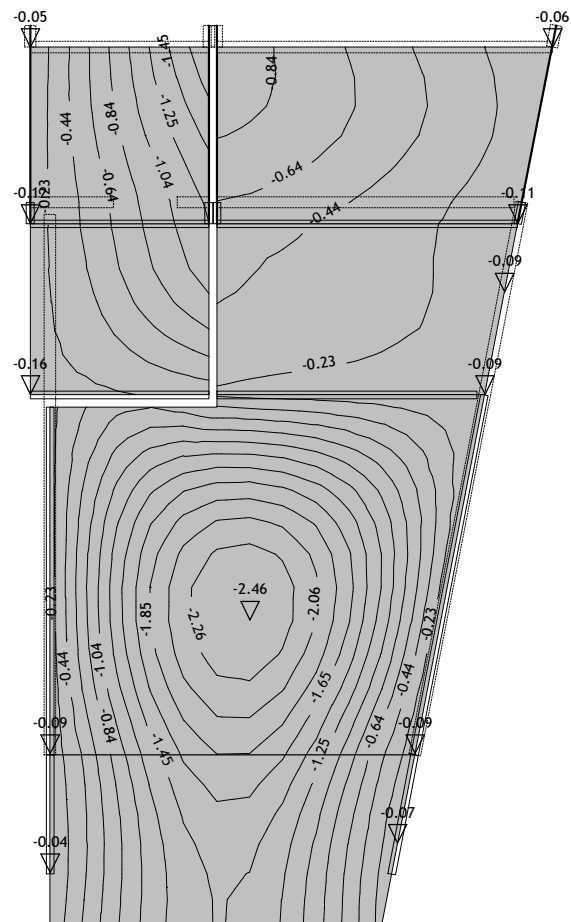


Nivo: ETAŽA 100 [3.10 m]

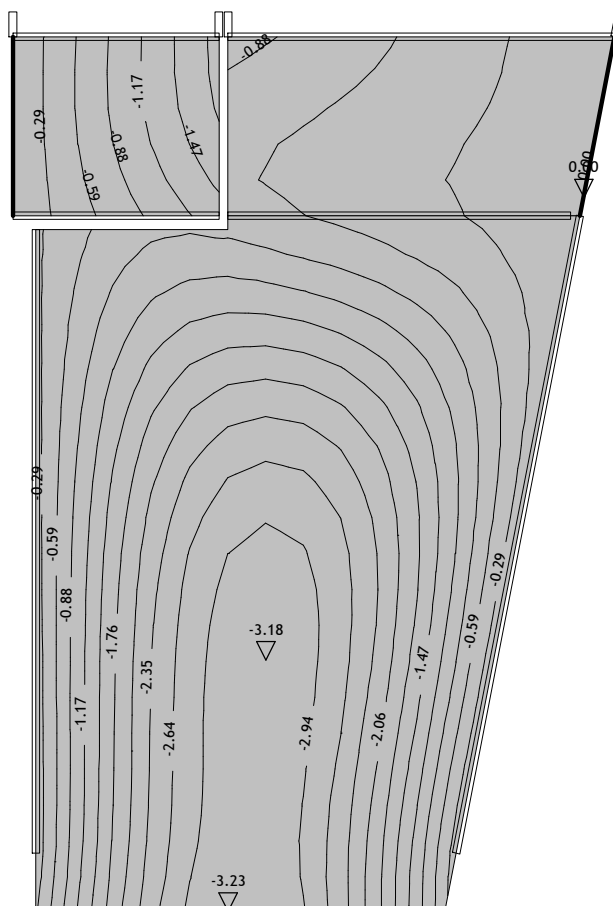
Utjecaji u ploči: max $Z_p = -0.00$ / min $Z_p = -2.58$ m / 1000

Opt. 4: I+II

Opt. 4: I+II



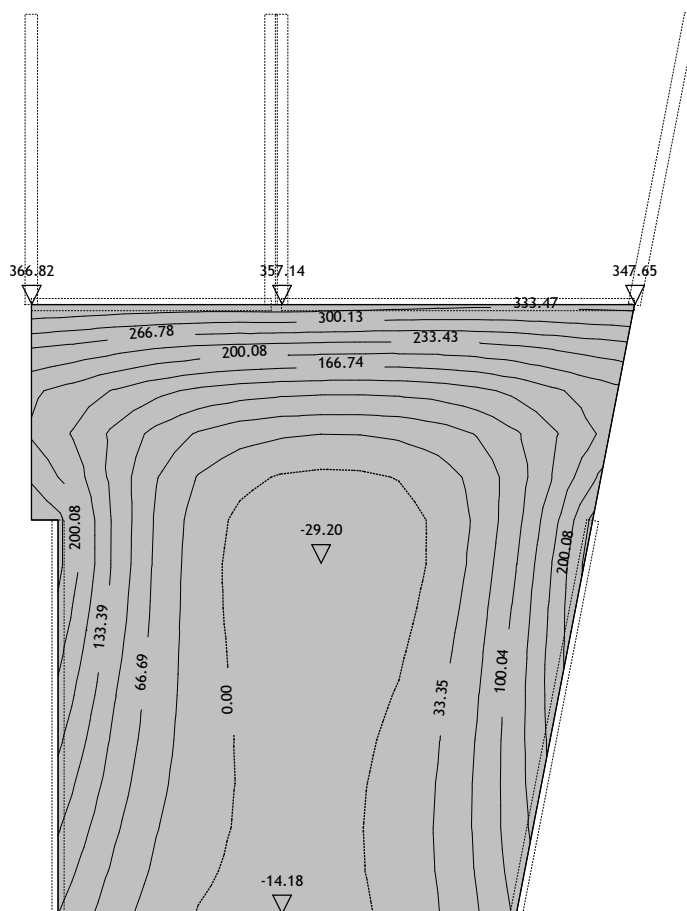
Nivo: ETAŽA 200 [6.10 m]

Utjecaji u ploči: max $Z_p = -0.04$ / min $Z_p = -2.46$ m / 1000

Nivo: ETAŽA 300 [8.78 m]

Utjecaji u ploči: max $Z_p = 0.00$ / min $Z_p = -3.23$ m / 1000

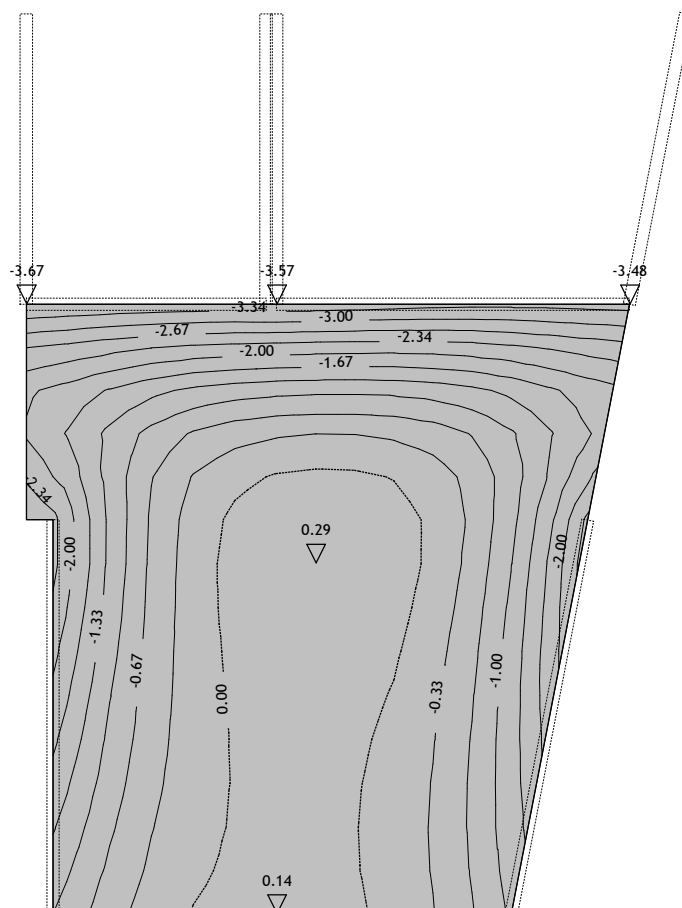
Opt. 4: I+II



Nivo: TEMELJI [0.00 m]

Utjecaji u pov. ležaju: max σ_{tla} = 366.82 / min σ_{tla} = -29.20 kN/m²

Opt. 4: I+II

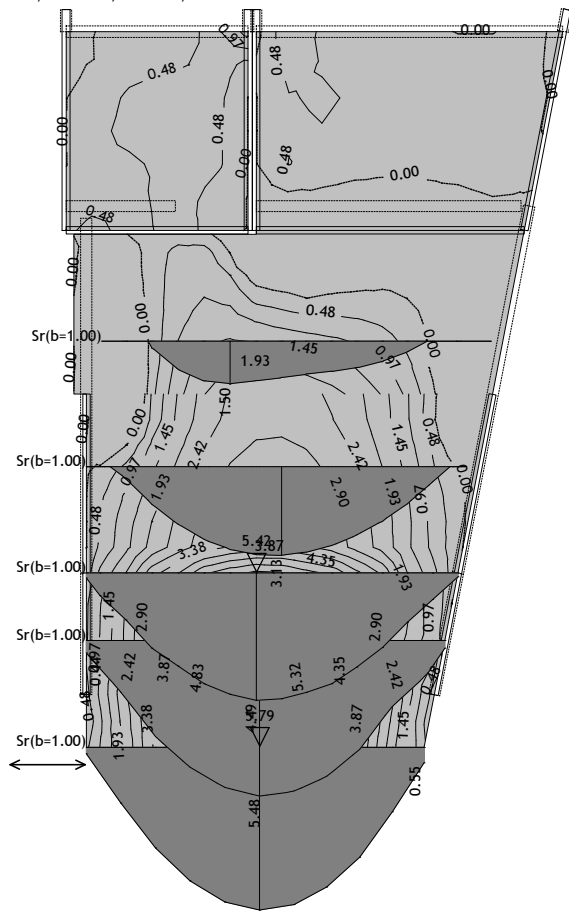


Nivo: TEMELJI [0.00 m]

Utjecaji u pov. ležaju: max s_{tla} = 0.29 / min s_{tla} = -3.67 m / 1000

Dimenzioniranje (beton)

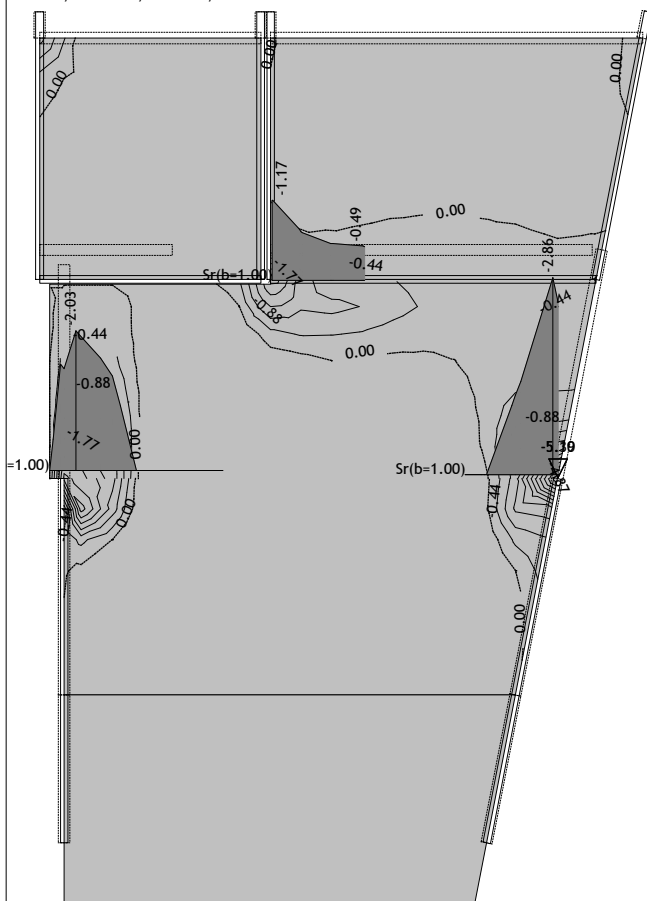
Mjerodavno opterećenje: 1.35xl+1.50xll
TPBK, C25/30, B500B, a=3.50 cm



Nivo: ETAŽA 100 [3.10 m]

Aa - d.zona - Pravac 1 - max Aa1,d= 5.79 cm²/m

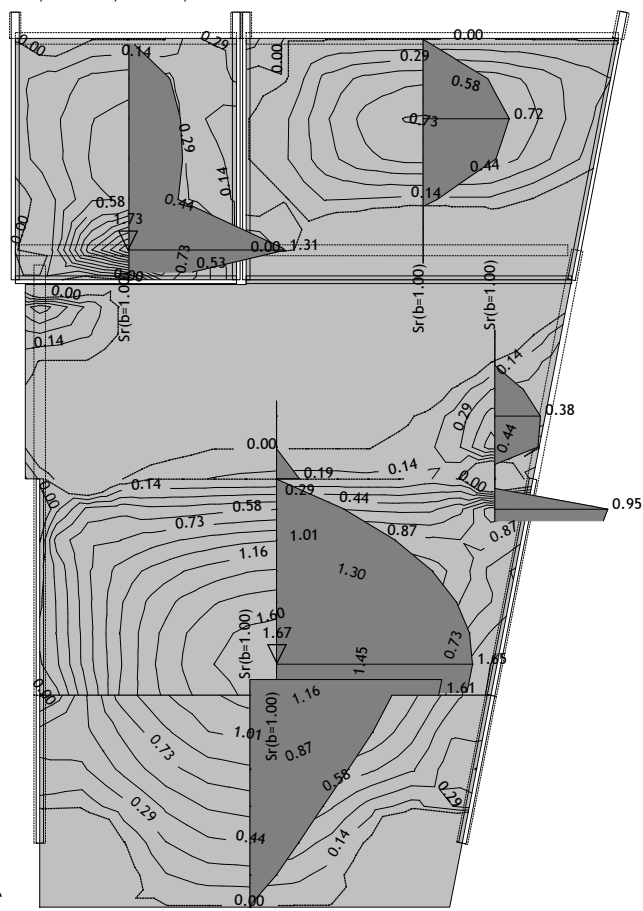
Mjerodavno opterećenje: 1.35xl+1.50xll
TPBK, C25/30, B500B, a=3.50 cm



Nivo: ETAŽA 100 [3.10 m]

Aa - g.zona - Pravac 1 - max Aa1,g= -5.30 cm²/m

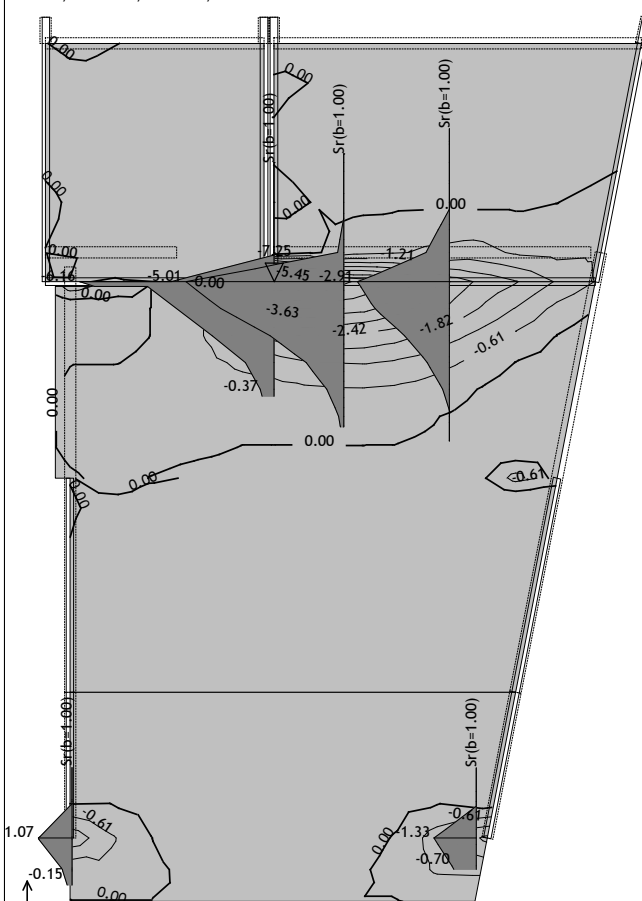
Mjerodavno opterećenje: 1.35xl+1.50xll
TPBK, C25/30, B500B, a=3.50 cm



Nivo: ETAŽA 100 [3.10 m]

Aa - d.zona - Pravac 2 - max Aa2,d= 1.73 cm²/m

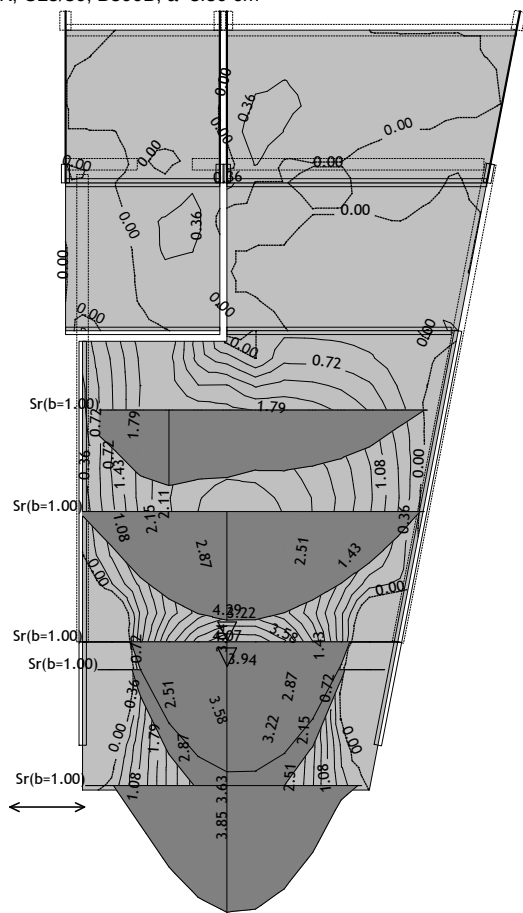
Mjerodavno opterećenje: 1.35xl+1.50xll
TPBK, C25/30, B500B, a=3.50 cm



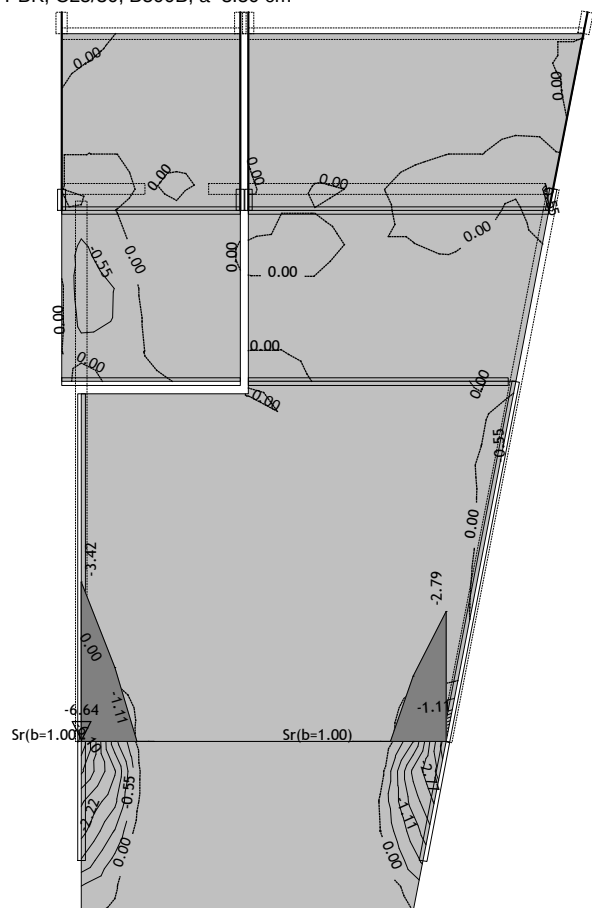
Nivo: ETAŽA 100 [3.10 m]

Aa - g.zona - Pravac 2 - max Aa2,g= -7.25 cm²/m

Mjerodavno opterećenje: 1.35xl+1.50xll
TPBK, C25/30, B500B, a=3.50 cm

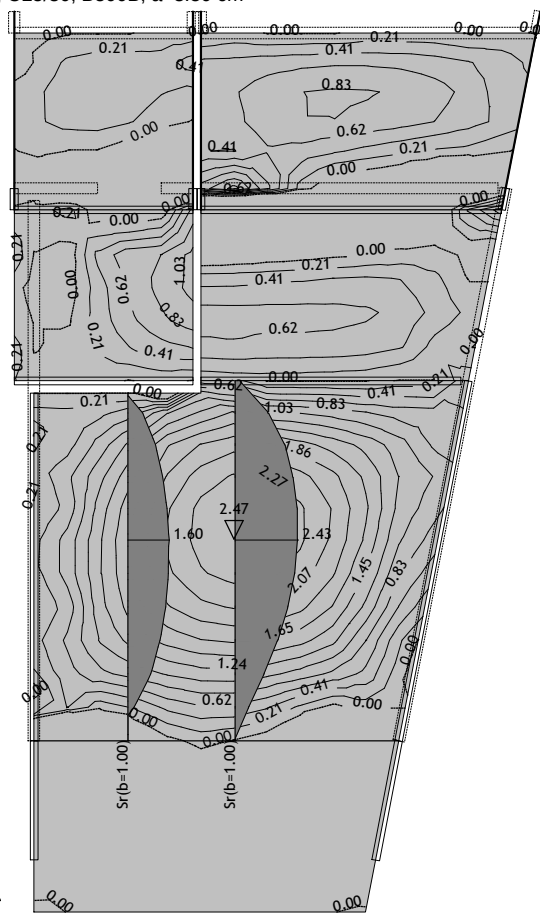


Nivo: ETAŽA 200 [6.10 m]
Aa - d.zona - Pramac 1 - max Aa1,d= 4.29 cm²/m
Mjerodavno opterećenje: 1.35xl+1.50xll
TPBK, C25/30, B500B, a=3.50 cm

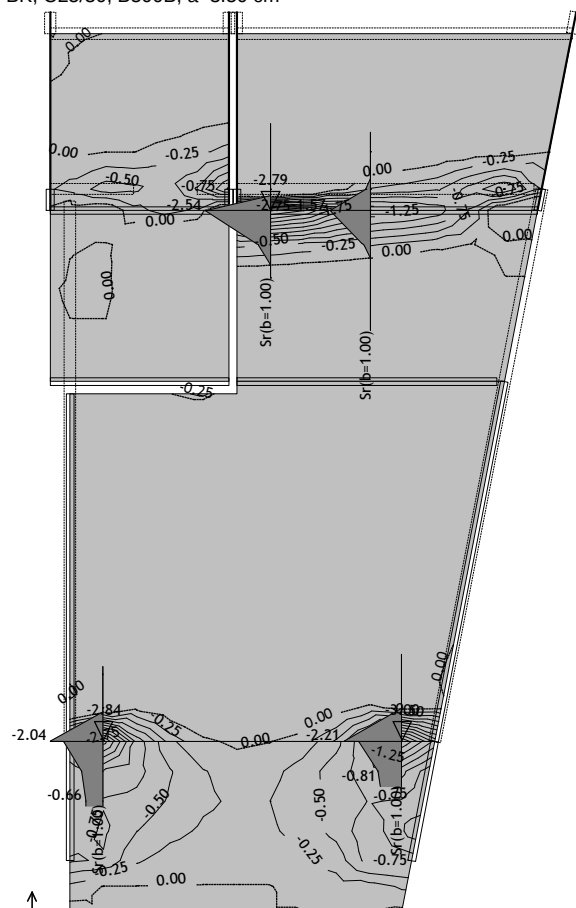


Nivo: ETAŽA 200 [6.10 m]
Aa - g.zona - Pramac 1 - max Aa1,g= -6.64 cm²/m

Mjerodavno opterećenje: 1.35xl+1.50xll
TPBK, C25/30, B500B, a=3.50 cm

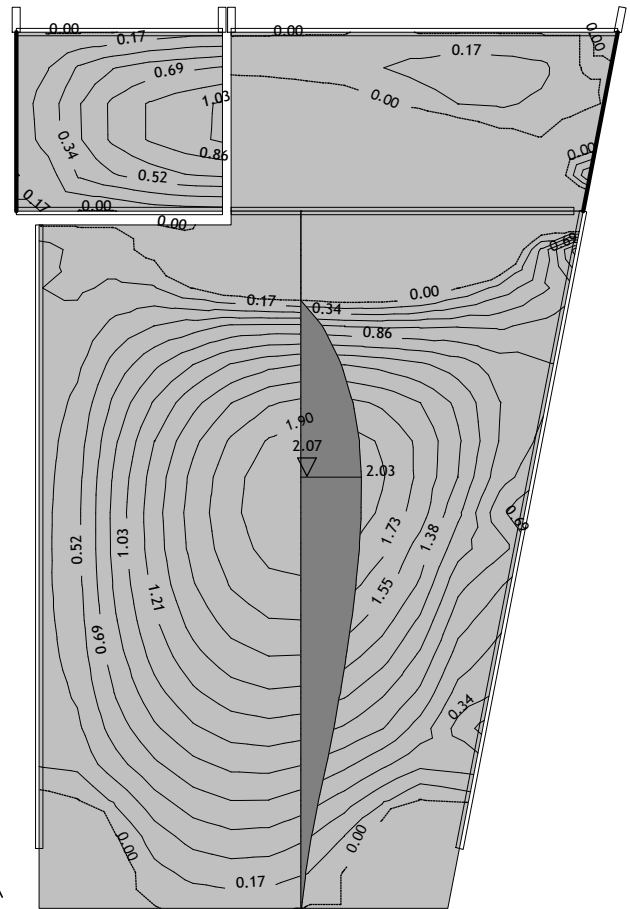


Nivo: ETAŽA 200 [6.10 m]
Aa - d.zona - Pramac 2 - max Aa2,d= 2.47 cm²/m
Mjerodavno opterećenje: 1.35xl+1.50xll
TPBK, C25/30, B500B, a=3.50 cm

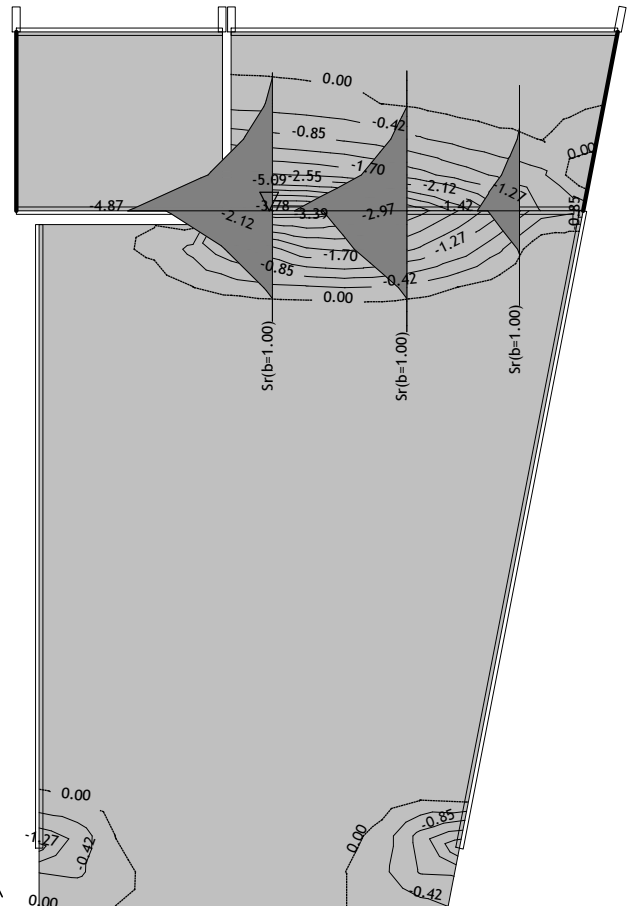


Nivo: ETAŽA 200 [6.10 m]
Aa - g.zona - Pramac 2 - max Aa2,g= -3.00 cm²/m

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=3.50 cm

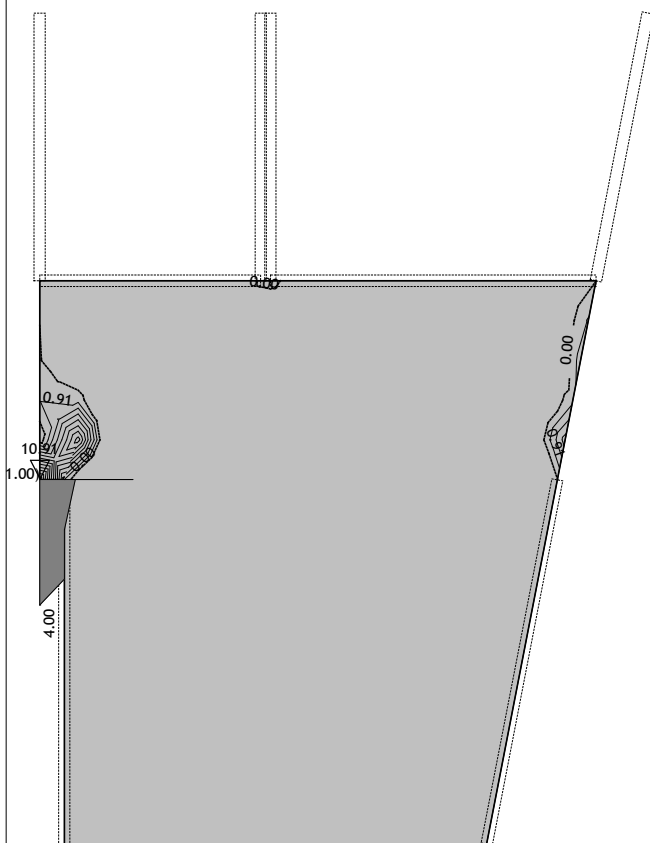


Nivo: ETAŽA 300 [8.78 m]
 Aa - d.zona - Pravac 2 - max Aa2,df 2.07 cm²/m
 Mjerodavno opterećenje: 1.35xI+1.50xII
 TPBK, C25/30, B500B, a=3.50 cm



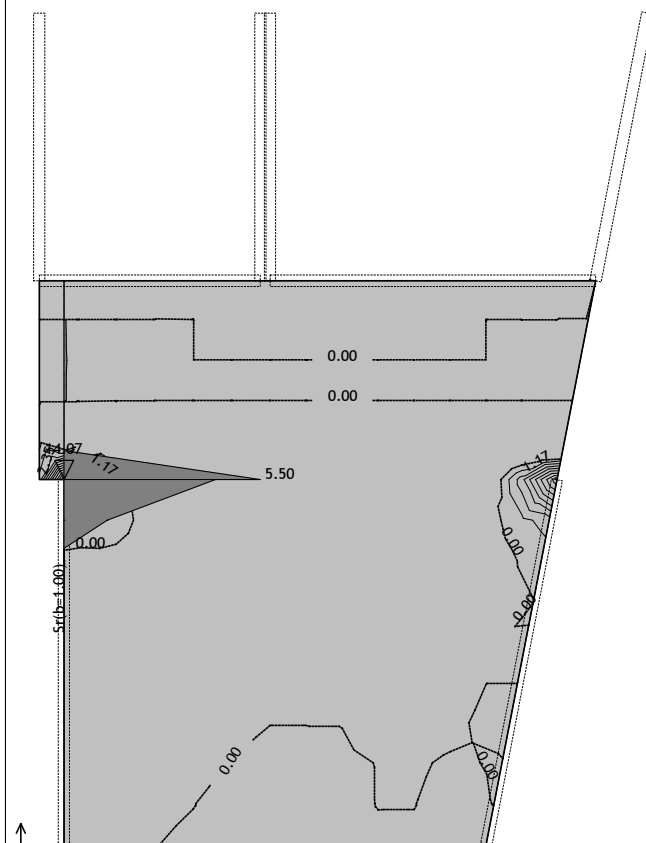
Nivo: ETAŽA 300 [8.78 m]
Aa - g.zona - Pravac 2 - max Aa2,g= -5.09 cm²/m

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=4.50 cm

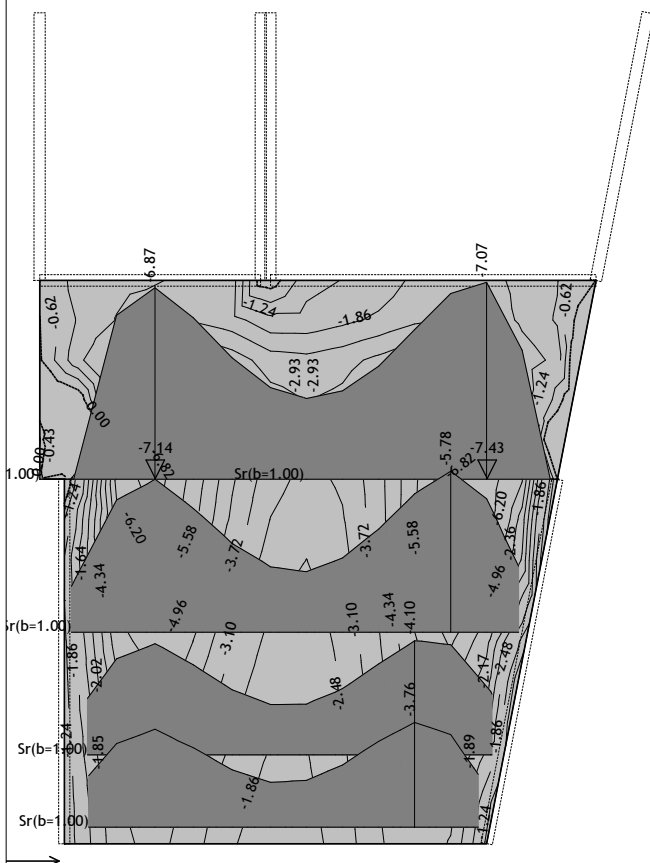


Nivo: TEMELJI [0.00 m]
Aa - d.zona - Pravac 1 - max Aa1,d= 10.91 cm²/m
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=4.50 cm

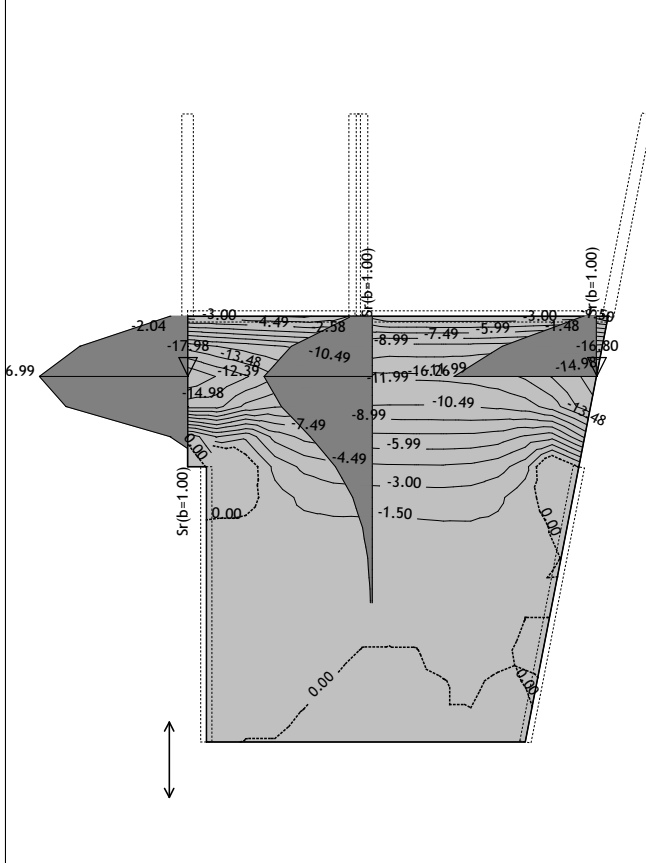
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=4.50 cm



Nivo: TEMELJI [0.00 m]
Aa - d.zona - Pravac 2 - max Aa2,d= 14.07 cm²/m
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=4.50 cm



Nivo: TEMELJI [0.00 m]
Aa - g.zona - Pravac 1 - max Aa1,g= -7.43 cm²/m



Nivo: TEMELJI [0.00 m]
Aa - g.zona - Pravac 2 - max Aa2,g= -17.98 cm²/m