

Osnovni podaci o modelu, Ulazni podaci - Konstrukcija

Datoteka:

B_Osmine_ISTOK.twp

Datum proračuna:

21.4.2016

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: 74459

Broj pločastih elemenata: 86129

Broj grednih elemenata: 2697

Broj graničnih elemenata: 14900

Broj osnovnih slučajeva opterećenja: 4

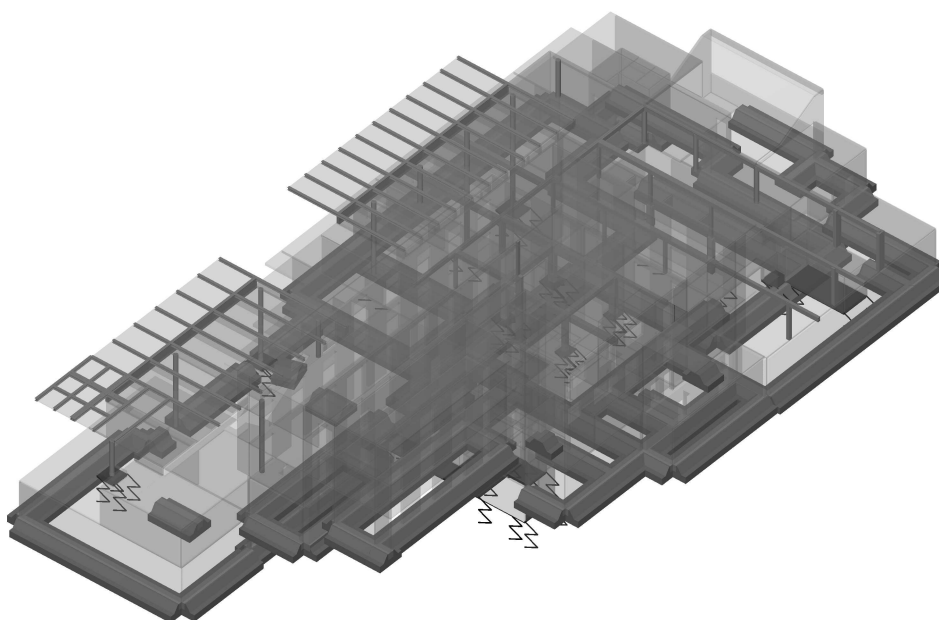
Broj kombinacija opterećenja: 2

Jedinice mjera

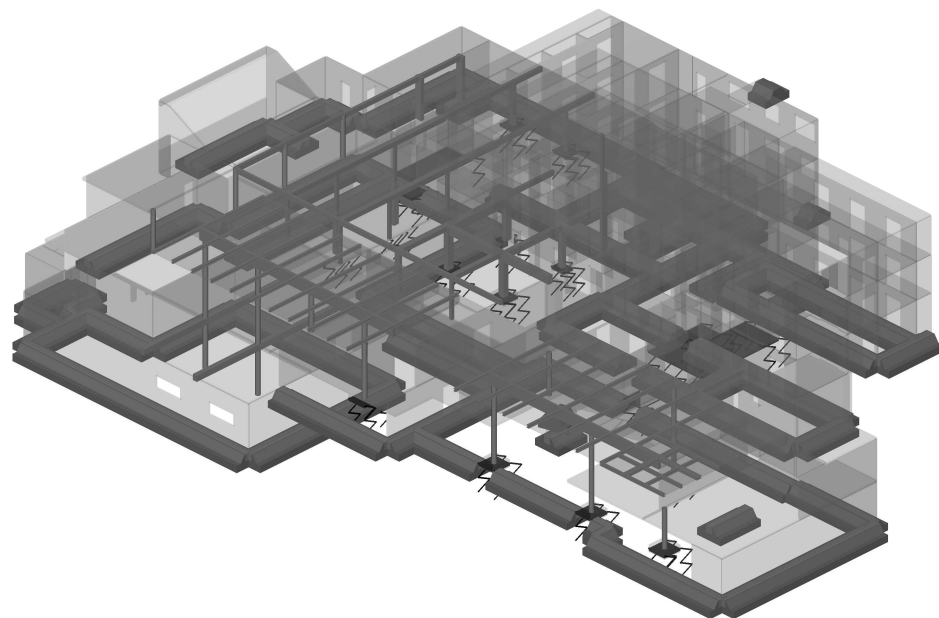
Dužina: m [cm,mm]

Sila: kN

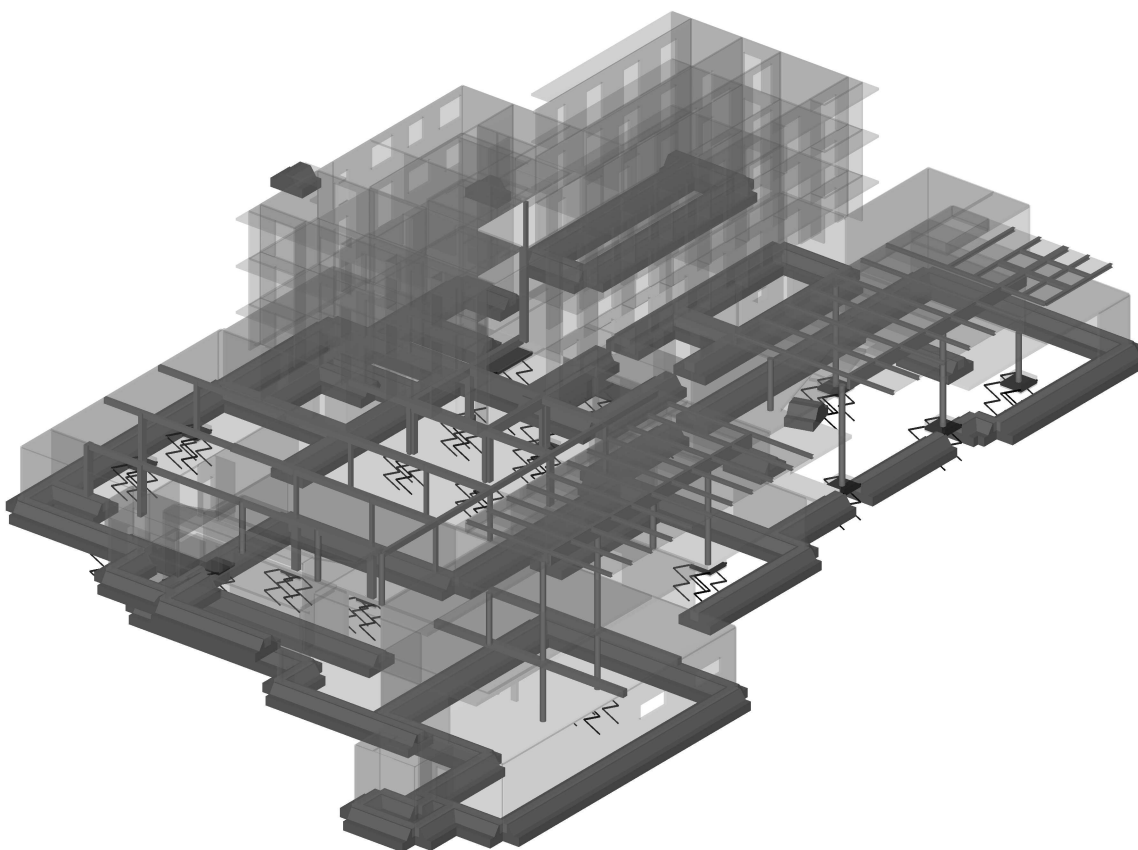
Temperatura: Celsius



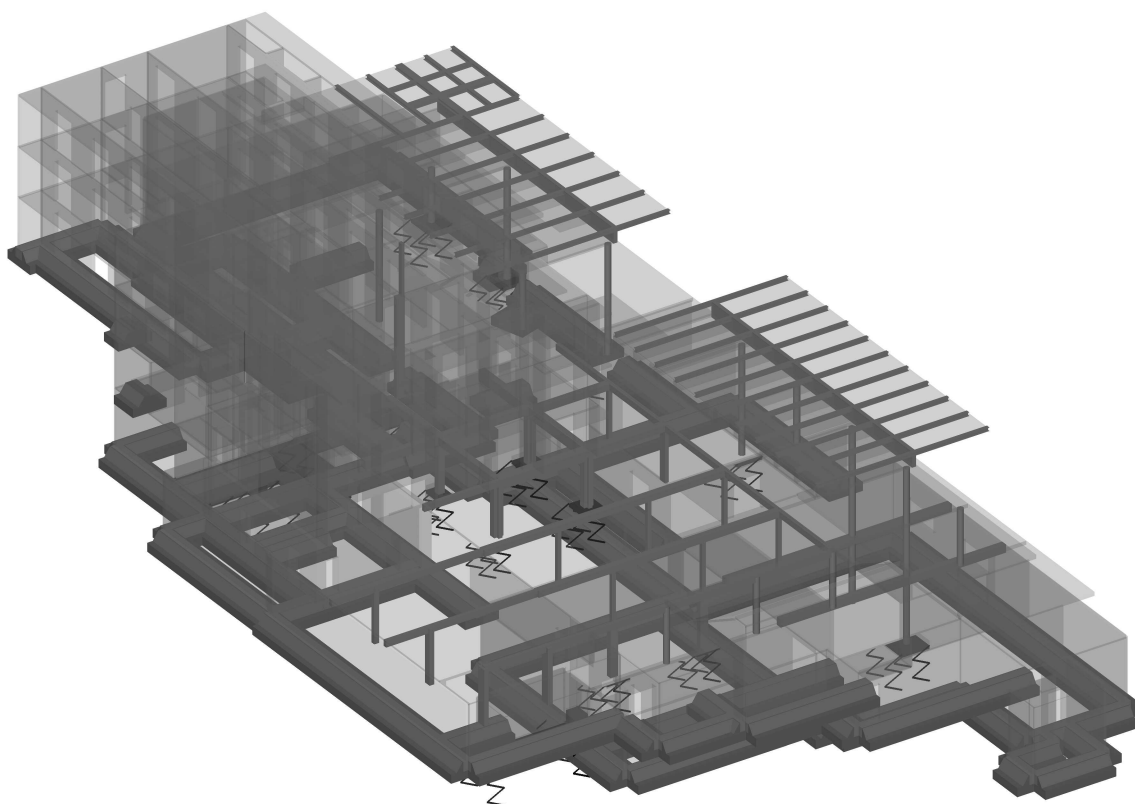
Izometrija



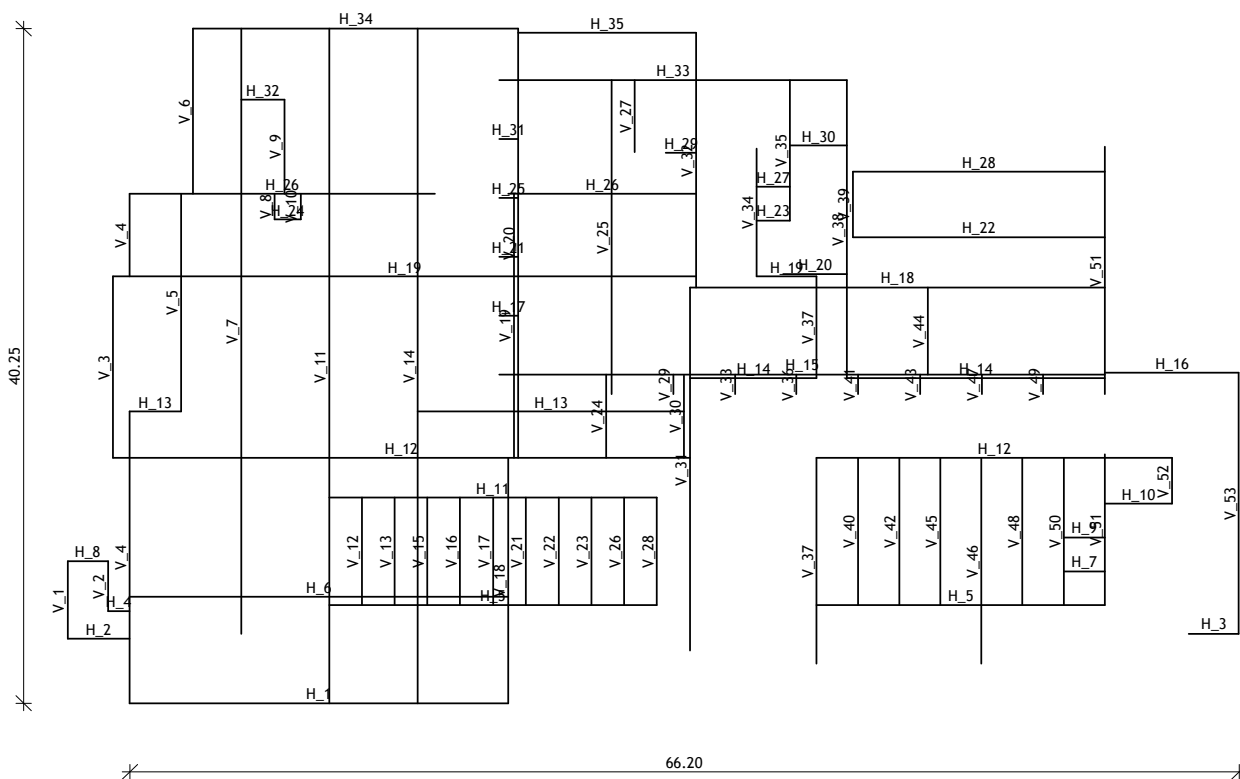
Izometrija



Izometrija



Izometrija



Dispozicija okvira

Shema nivoa

Naziv	z [m]	h [m]
ETAŽA 500	16.46	3.23
ETAŽA 400	13.23	3.15
ETAŽA 300	10.08	0.78
	9.30	1.68
ETAŽA 200A	7.62	0.43

Naziv	z [m]	h [m]
	7.19	0.33
ETAŽA 200	6.86	3.53
ETAŽA 100	3.33	3.33
ETAŽA 000-TEMELJI 2	0.00	4.09
TEMELJI 1	-4.09	

Tabela materijala

No	Naziv materijala	E[kN/m ²]	μ	γ [kN/m ³]	α [1/C]	Em[kN/m ²]	μ m
1	Beton C25/30	3.150e+7	0.20	25.00	1.000e-5	3.150e+7	0.20
2	Beton C16/20	2.850e+7	0.20	25.00	1.000e-5	2.850e+7	0.20
3	Betonski blok	7.500e+6	0.20	18.00	1.000e-5	7.500e+6	0.20
4	Beton C25/30	3.050e+7	0.20	25.00	1.000e-5	3.050e+7	0.20
5	Beton C30/37	3.200e+7	0.20	25.00	1.000e-5	3.200e+7	0.20
6	Čelik	2.100e+8	0.30	78.50	1.000e-5	2.100e+8	0.30

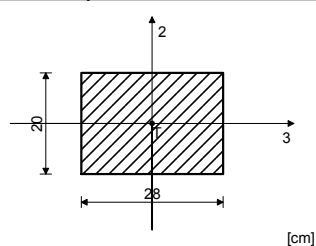
Setovi ploča

No	d[m]	e[m]	Materijal	Tip proračuna	Ortotropija	E2[kN/m ²]	G[kN/m ²]	α
<1>	0.250	0.125	1	Tanka ploča	Izotropna			
<2>	0.160	0.080	1	Tanka ploča	Izotropna			
<3>	0.170	0.085	1	Tanka ploča	Anizotropna	0.000e+0	0.000e+0	0.00
<4>	0.170	0.085	1	Tanka ploča	Anizotropna	0.000e+0	0.000e+0	90.00
<5>	0.380	0.190	1	Tanka ploča	Anizotropna	0.000e+0	0.000e+0	0.00
<6>	0.150	0.075	1	Tanka ploča	Izotropna			
<7>	0.450	0.225	2	Tanka ploča	Izotropna			
<8>	0.250	0.125	3	Opeka/Blokovi	Izotropna			
<9>	0.200	0.100	1	Tanka ploča	Izotropna			
<10>	0.150	0.075	2	Tanka ploča	Izotropna			
<11>	0.800	0.400	2	Tanka ploča	Izotropna			
<12>	1.200	0.600	2	Tanka ploča	Izotropna			
<13>	0.650	0.325	2	Tanka ploča	Izotropna			
<14>	0.950	0.475	2	Tanka ploča	Izotropna			
<15>	0.400	0.200	1	Tanka ploča	Izotropna			
<16>	0.080	0.040	1	Tanka ploča	Izotropna			
<17>	0.200	0.100	1	Tanka ploča	Izotropna			
<18>	0.600	0.300	1	Tanka ploča	Izotropna			
<19>	0.200	0.100	1	Tanka ploča	Izotropna			
<20>	0.120	0.060	1	Tanka ploča	Izotropna			
<21>	0.140	0.070	4	Tanka ploča	Izotropna			
<22>	0.360	0.180	4	Tanka ploča	Izotropna			

Setovi greda

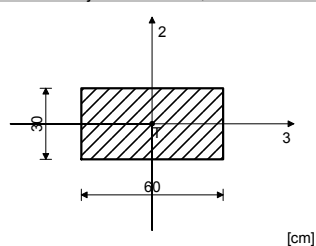
Set: 1 Presjek: b/d=28/20, Fiktivna ekscentričnost

	Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30		5.600e-2	4.667e-2	4.667e-2	4.180e-4	3.659e-4	1.867e-4



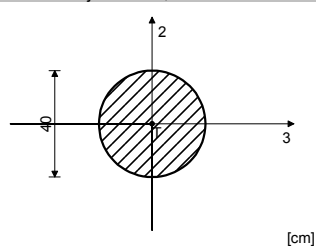
Set: 2 Presjek: b/d=60/30, Fiktivna ekscentričnost

	Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30		1.800e-1	1.500e-1	1.500e-1	3.708e-3	5.400e-3	1.350e-3



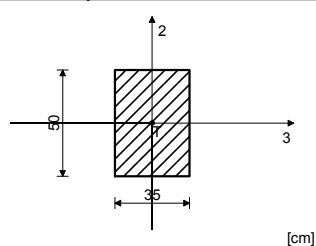
Set: 3 Presjek: D=40, Fiktivna ekscentričnost

	Mat.	A1	A2	A3	I1	I2	I3
5 - Beton C30/37		1.257e-1	1.131e-1	1.131e-1	2.513e-3	1.257e-3	1.257e-3



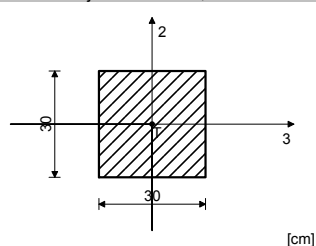
Set: 4 Presjek: b/d=35/50, Fiktivna ekscentričnost

	Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30		1.750e-1	1.458e-1	1.458e-1	4.058e-3	1.786e-3	3.646e-3



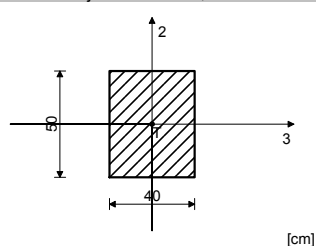
Set: 5 Presjek: b/d=30/30, Fiktivna ekscentričnost

	Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30		9.000e-2	7.500e-2	7.500e-2	1.141e-3	6.750e-4	6.750e-4

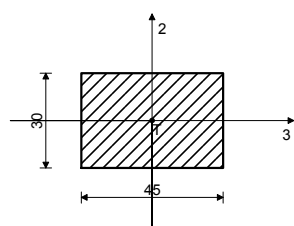


Set: 6 Presjek: b/d=40/50, Fiktivna ekscentričnost

	Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30		2.000e-1	1.667e-1	1.667e-1	5.474e-3	2.667e-3	4.167e-3



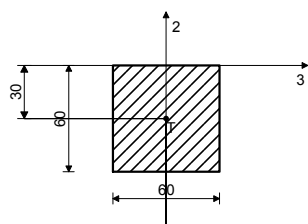
Set: 7 Presjek: b/d=45/30, Fiktivna ekscentričnost



[cm]

Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30	1.350e-1	1.125e-1	1.125e-1	2.377e-3	2.278e-3	1.012e-3

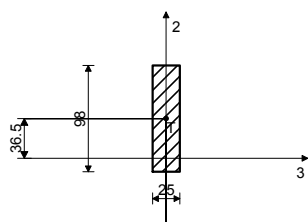
Set: 8 Presjek: b/d=60/60, Fiktivna ekscentričnost



[cm]

Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30	3.600e-1	3.000e-1	3.000e-1	1.825e-2	1.080e-2	1.080e-2

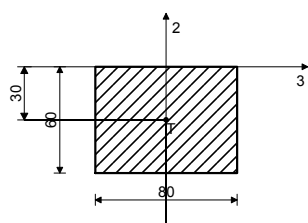
Set: 9 Presjek: b/d=25/98, Fiktivna ekscentričnost



[cm]

Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30	2.450e-1	2.042e-1	2.042e-1	4.284e-3	1.276e-3	1.961e-2

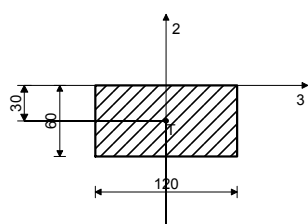
Set: 10 Presjek: b/d=80/60, Fiktivna ekscentričnost



[cm]

Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30	4.800e-1	4.000e-1	4.000e-1	3.110e-2	2.560e-2	1.440e-2

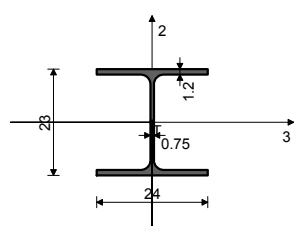
Set: 11 Presjek: b/d=120/60, Fiktivna ekscentričnost



[cm]

Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30	7.200e-1	6.000e-1	6.000e-1	5.933e-2	8.640e-2	2.160e-2

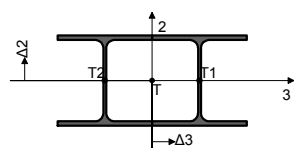
Set: 12 Presjek: IPBI 240



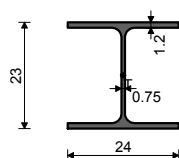
[cm]

Mat.	A1	A2	A3	I1	I2	I3
6 - Čelik	7.680e-3	2.514e-3	5.166e-3	4.170e-7	2.770e-5	7.760e-5

Set: 13 Presjek: 2xIPBI 240



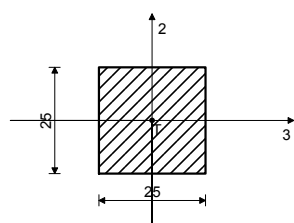
	Mat.	A1	A2	A3	I1	I2	I3
	6 - Čelik	1.536e-2	5.028e-3	1.033e-2	8.340e-7	2.766e-4	1.552e-4
No	Presjek		Δ3 [cm]	Δ2 [cm]	α		Mat.
1	IPBI 240		12.00	0.00	0.00		6
2	IPBI 240		-12.00	0.00	0.00		6



IPBI 240

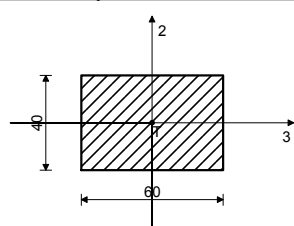
[cm]

Set: 14 Presjek: b/d=25/25, Fiktivna ekscentričnost



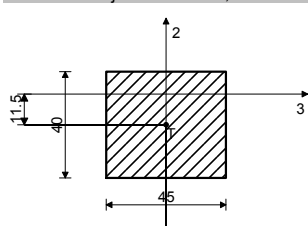
[cm]

Set: 15 Presjek: b/d=60/40, Fiktivna ekscentričnost



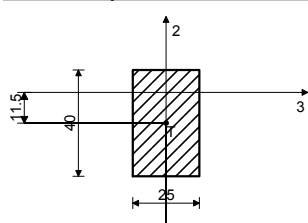
[cm]

Set: 16 Presjek: b/d=45/40, Fiktivna ekscentričnost



[cm]

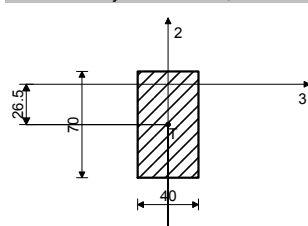
Set: 17 Presjek: b/d=25/40, Fiktivna ekscentričnost



[cm]

Set: 18 Presjek: b/d=40/70, Fiktivna ekscentričnost

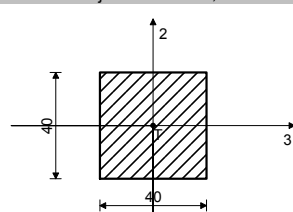
Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30	2.800e-1	2.333e-1	2.333e-1	9.605e-3	3.733e-3	1.143e-2



[cm]

Set: 19 Presjek: b/d=40/40, Fiktivna ekscentričnost

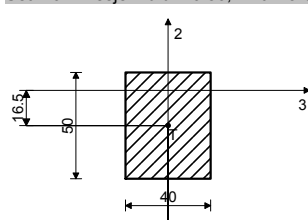
Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30	1.600e-1	1.333e-1	1.333e-1	3.605e-3	2.133e-3	2.133e-3



[cm]

Set: 20 Presjek: b/d=40/50, Fiktivna ekscentričnost

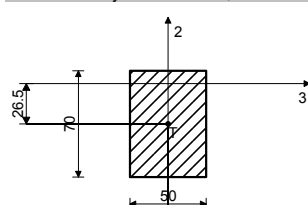
Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30	2.000e-1	1.667e-1	1.667e-1	5.474e-3	2.667e-3	4.167e-3



[cm]

Set: 21 Presjek: b/d=50/70, Fiktivna ekscentričnost

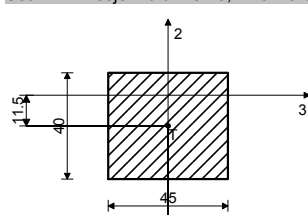
Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30	3.500e-1	2.917e-1	2.917e-1	1.633e-2	7.292e-3	1.429e-2



[cm]

Set: 22 Presjek: b/d=45/40, Fiktivna ekscentričnost

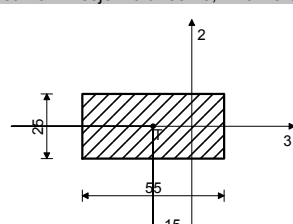
Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30	1.800e-1	1.500e-1	1.500e-1	4.504e-3	3.038e-3	2.400e-3



[cm]

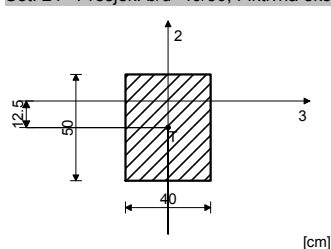
Set: 23 Presjek: b/d=55/25, Fiktivna ekscentričnost

Mat.	A1	A2	A3	I1	I2	I3
4 - Beton C25/30	1.375e-1	1.146e-1	1.146e-1	2.047e-3	3.466e-3	7.161e-4



[cm]

Set: 24 Presjek: b/d=40/50, Fiktivna ekscentričnost



[cm]

Mat.	A1	A2	A3	I1	I2	I3
4 - Beton C25/30	2.000e-1	1.667e-1	1.667e-1	5.474e-3	2.667e-3	4.167e-3

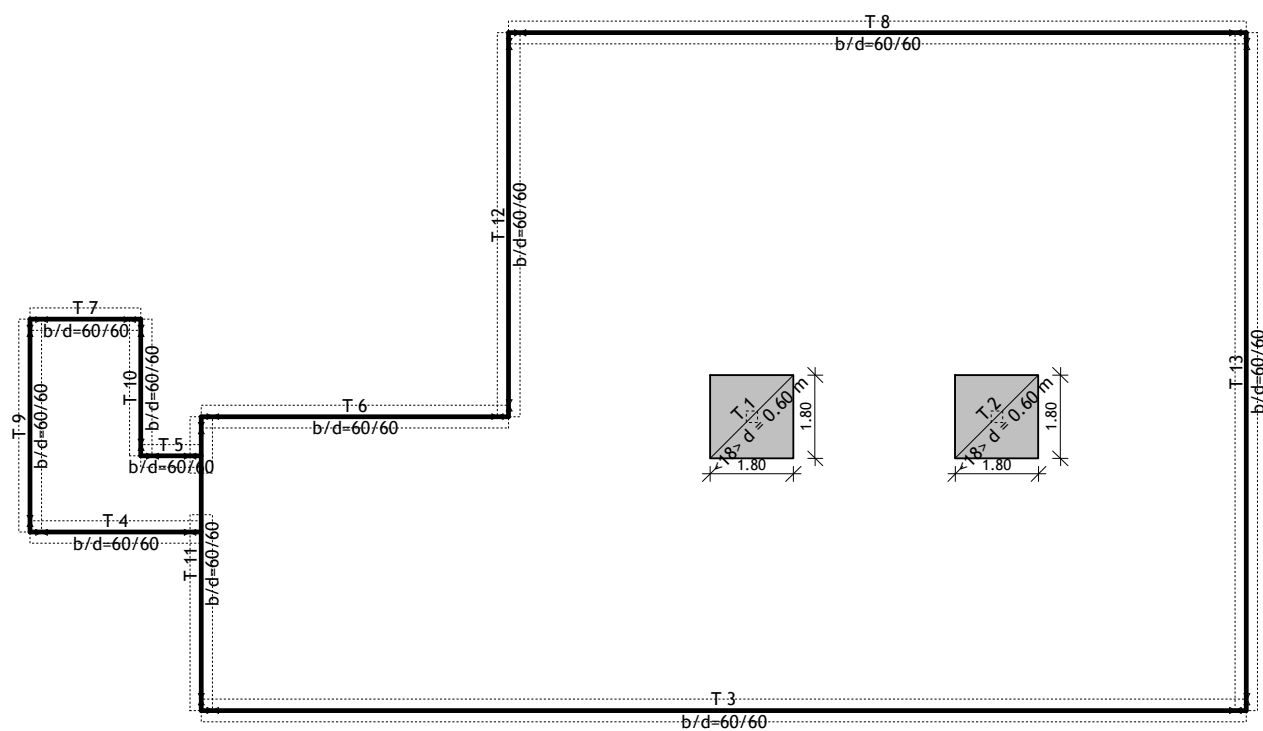
Setovi površinskih ležajeva

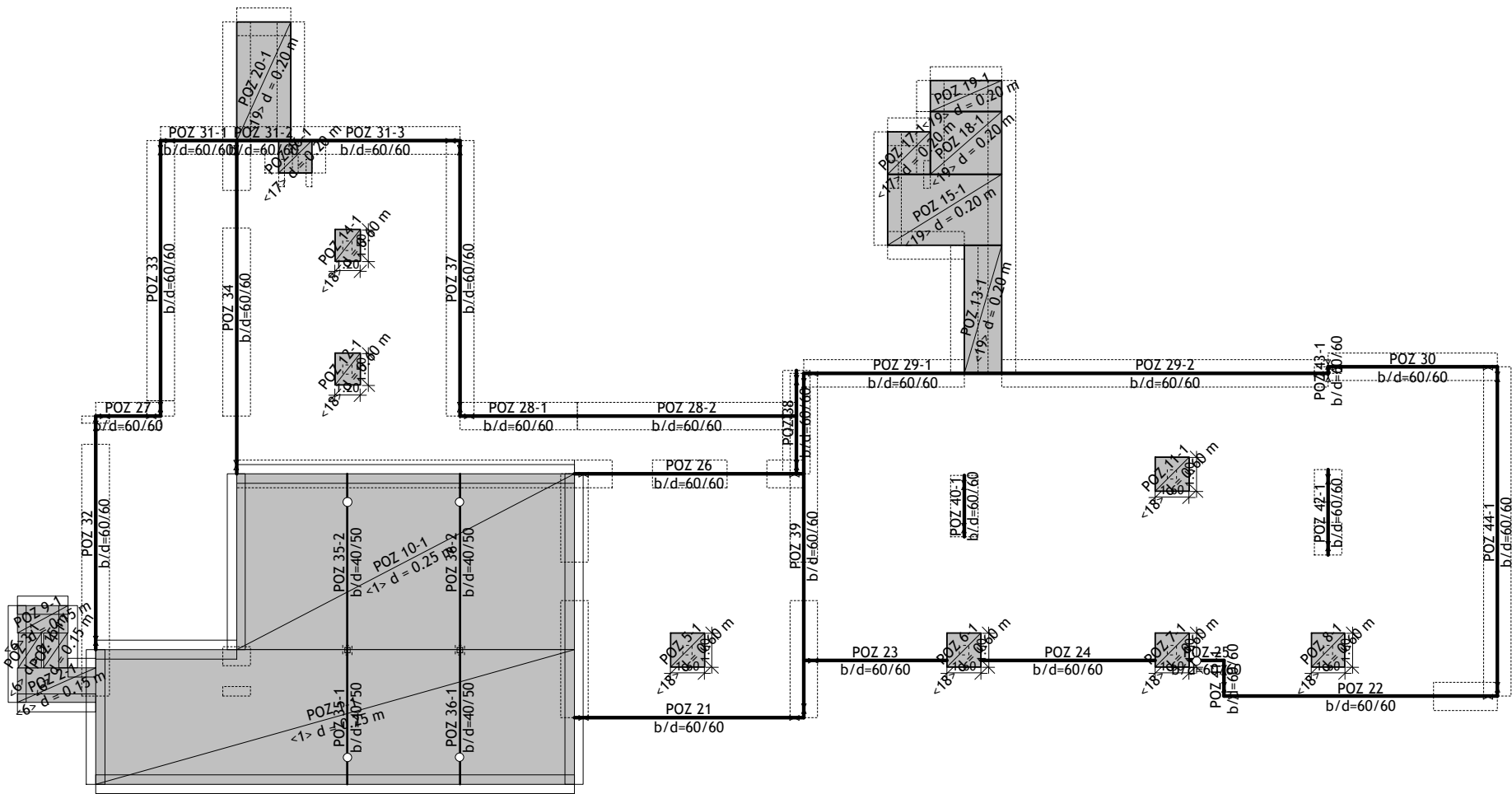
Set	K,R1	K,R2	K,R3
1	1.000e+5	1.000e+5	1.000e+5

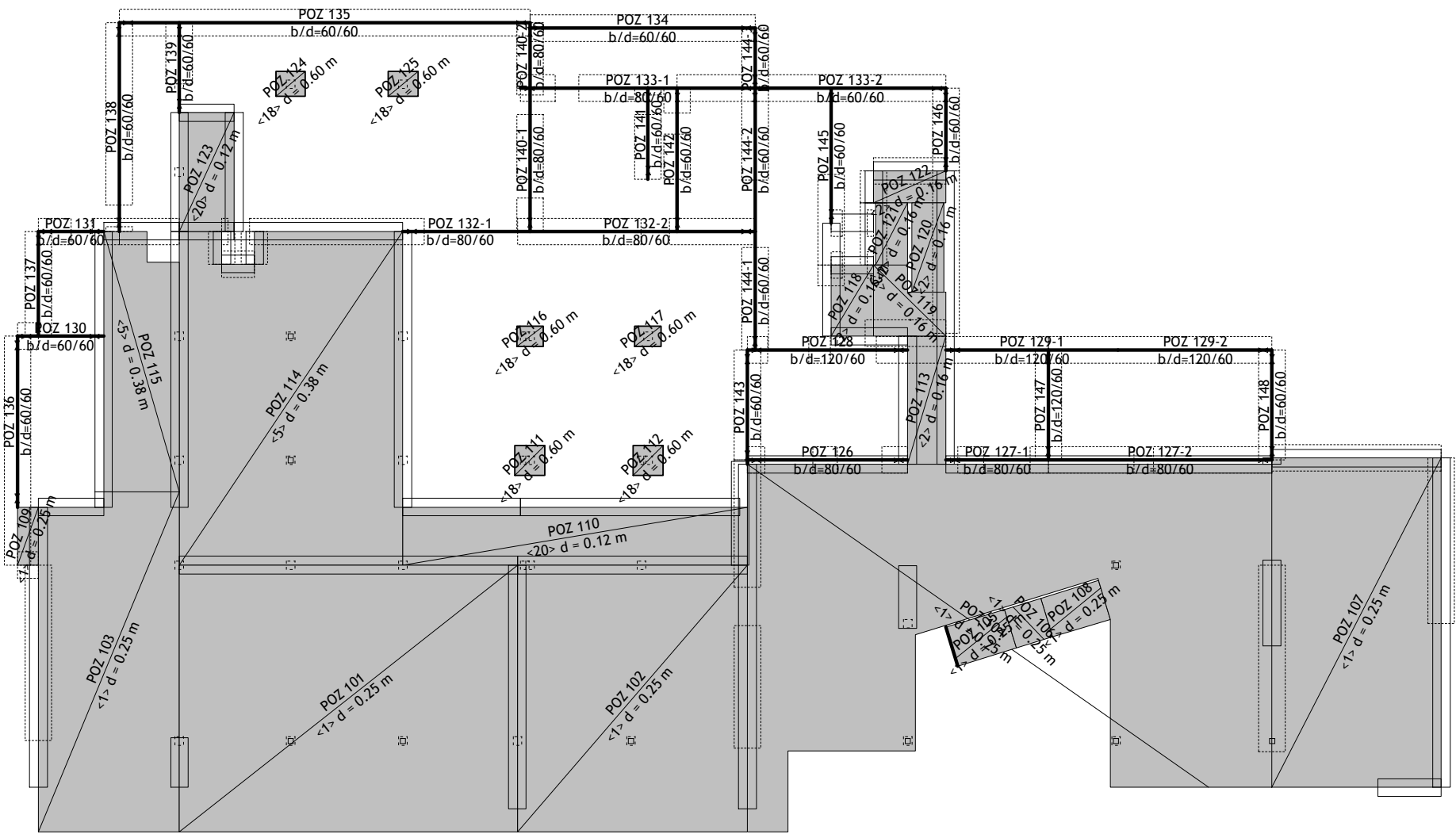
Setovi linijskih ležajeva

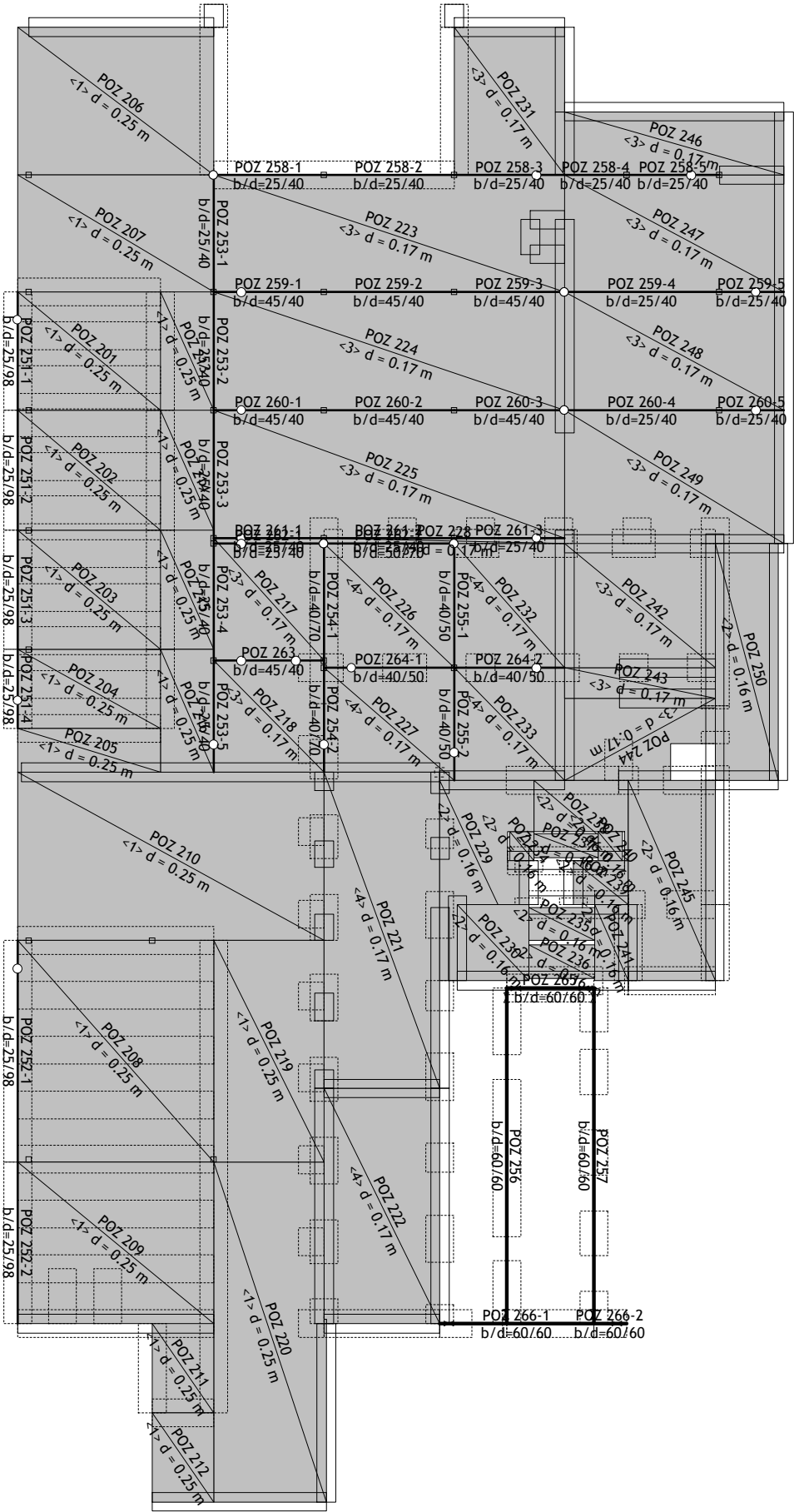
Set	K,R1	K,R2	K,R3	K,M1	Tlo [m]
1	1.000e+5	1.000e+5	1.000e+5		1.200
2		1.000e+5			0.400

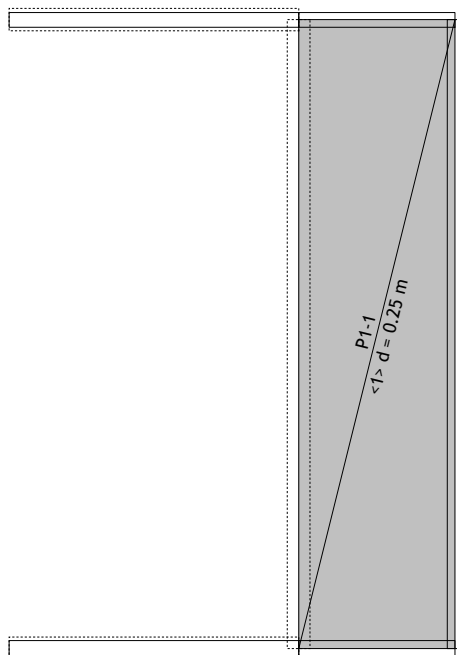
PLAN POZICIJA



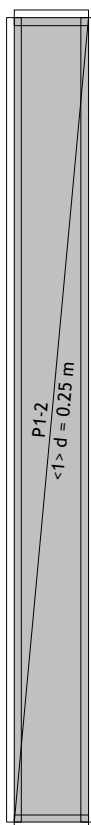
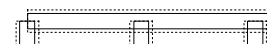






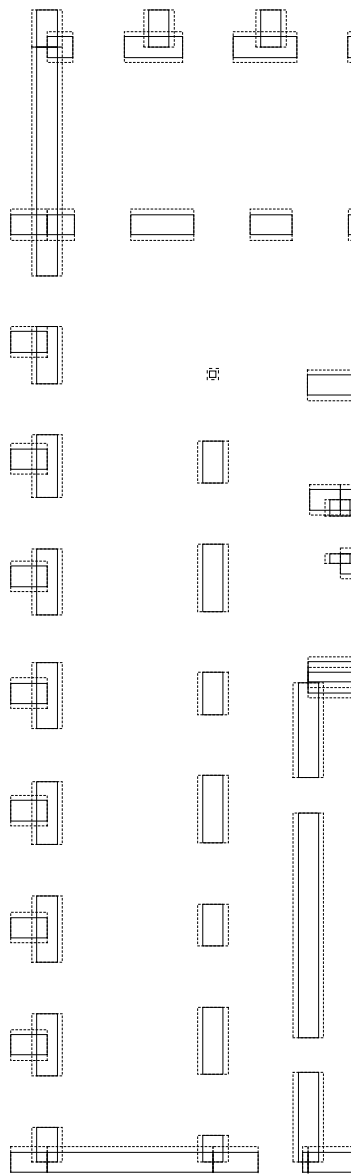


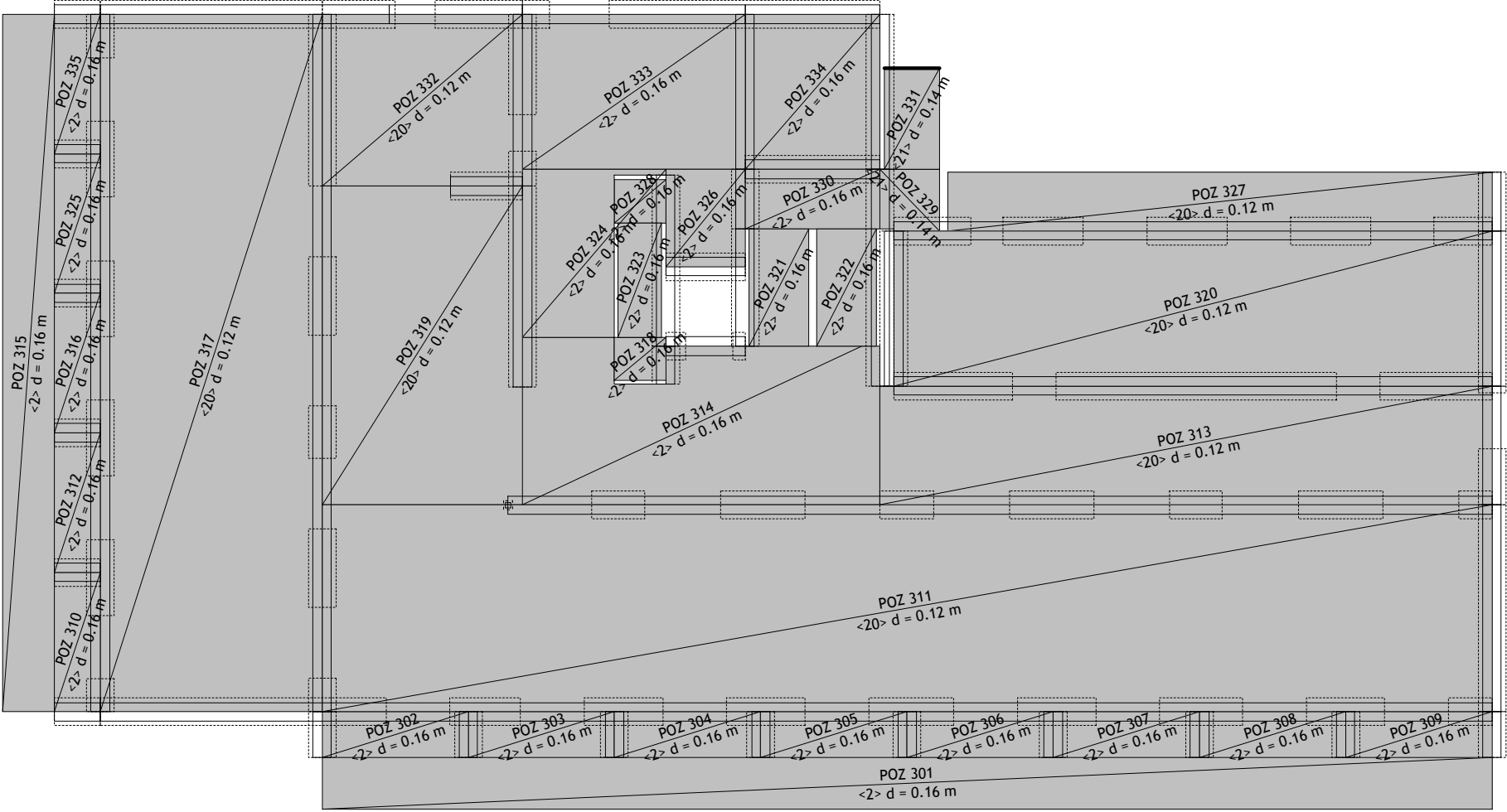
Nivo: [7.19 m]

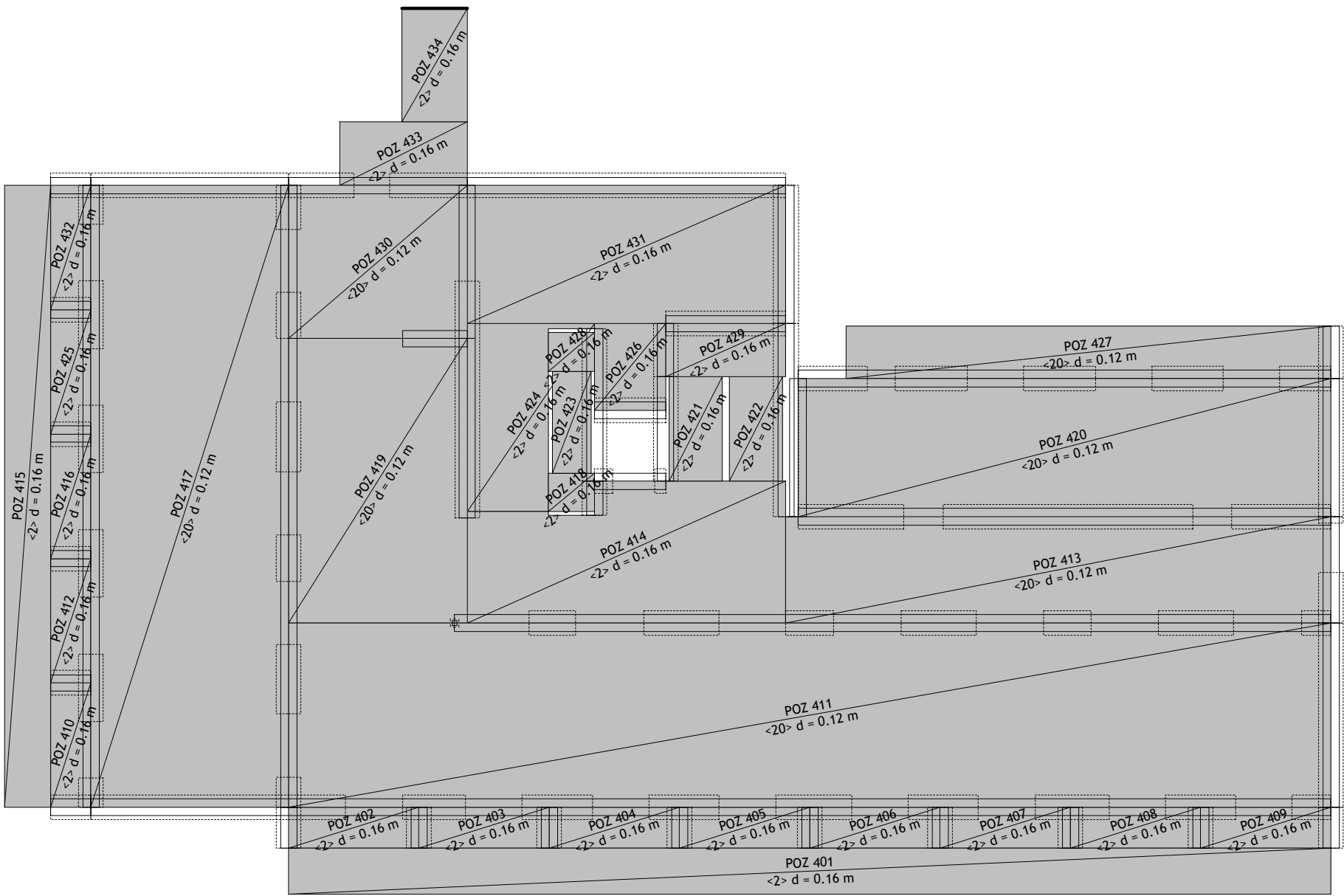


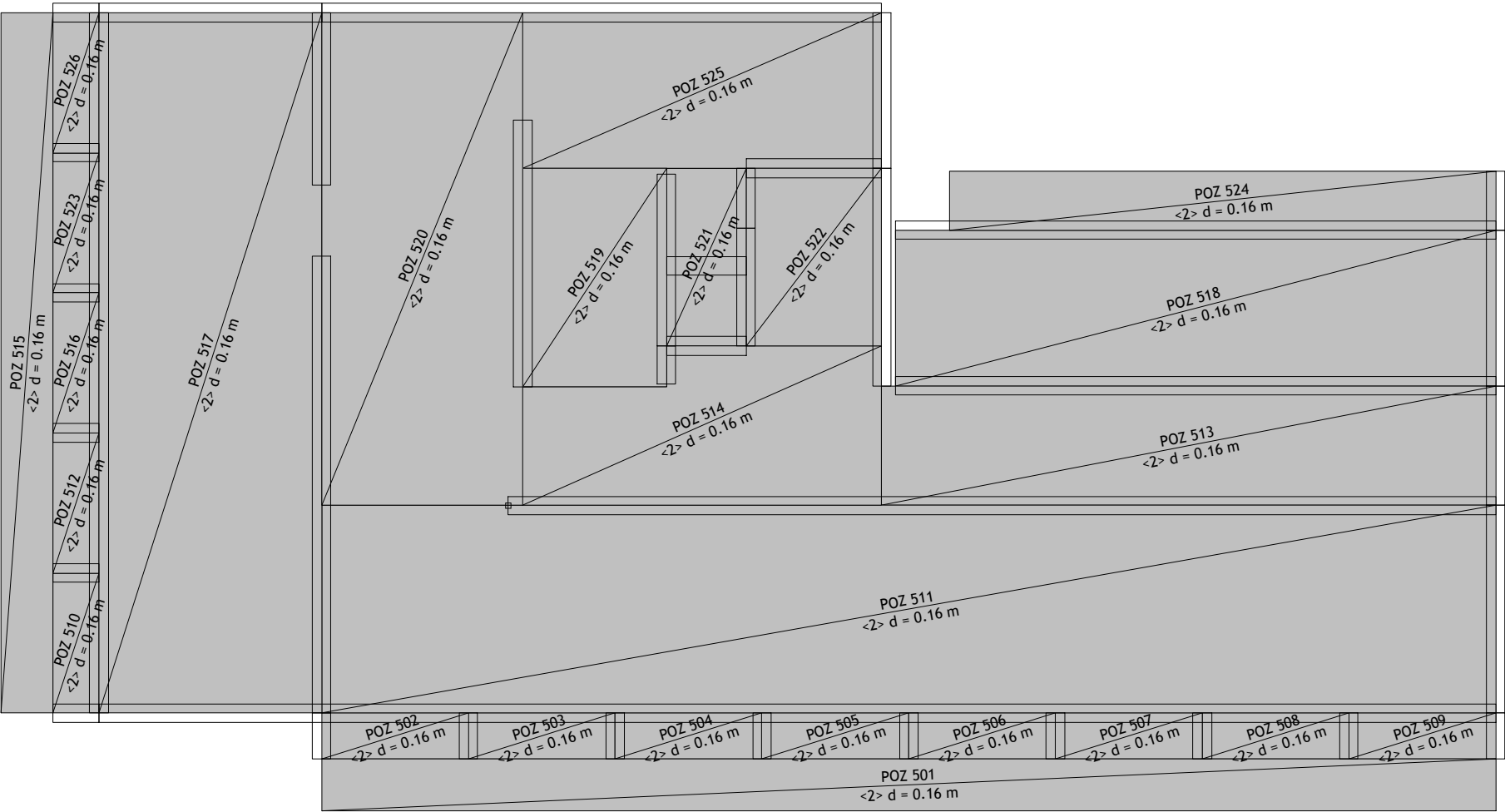
Nivo: [9.30 m]

Figure 1 shows a 10x10 grid of cells, each containing a POZ A and IPBT B pair. The grid is divided into four quadrants by a vertical line between columns 5 and 6. The top-left quadrant (columns 1-5, rows 1-5) contains pairs where the POZ A value is 256-1 and the IPBT B value is 240. The top-right quadrant (columns 6-10, rows 1-5) contains pairs where the POZ A value is 256-2 and the IPBT B value is 240. The bottom-left quadrant (columns 1-5, rows 6-10) contains pairs where the POZ A value is 256-3 and the IPBT B value is 240. The bottom-right quadrant (columns 6-10, rows 6-10) contains pairs where the POZ A value is 256-4 and the IPBT B value is 240. Each cell also contains a diagonal line with a label indicating a distance 'd' and a direction '16°'.









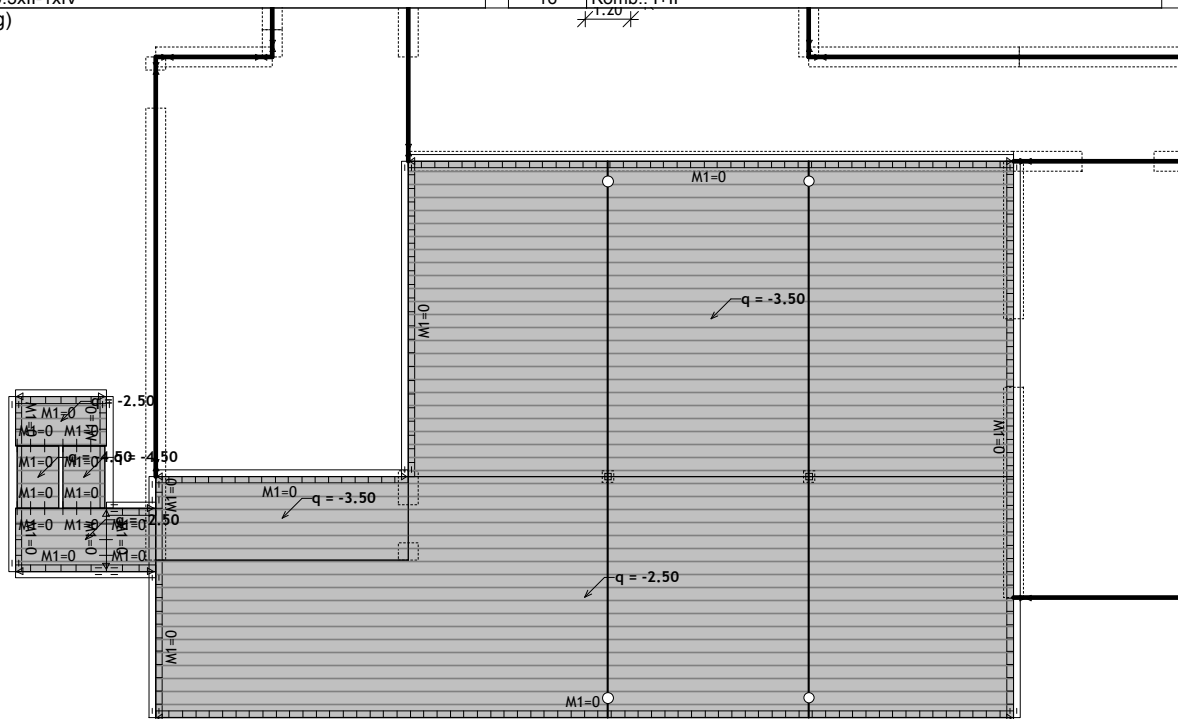
Ulazni podaci - Opterećenje

Lista slučajeva opterećenja

LC	Naziv
1	STALNO (g)
2	UPORABNO
3	POTRES X SMJER
4	POTRES Y SMJER
5	Komb.: 1.35xI+1.5xII
6	Komb.: I+1.5xII
7	Komb.: I+0.3xII+IV
8	Komb.: I+0.3xII-1xIV

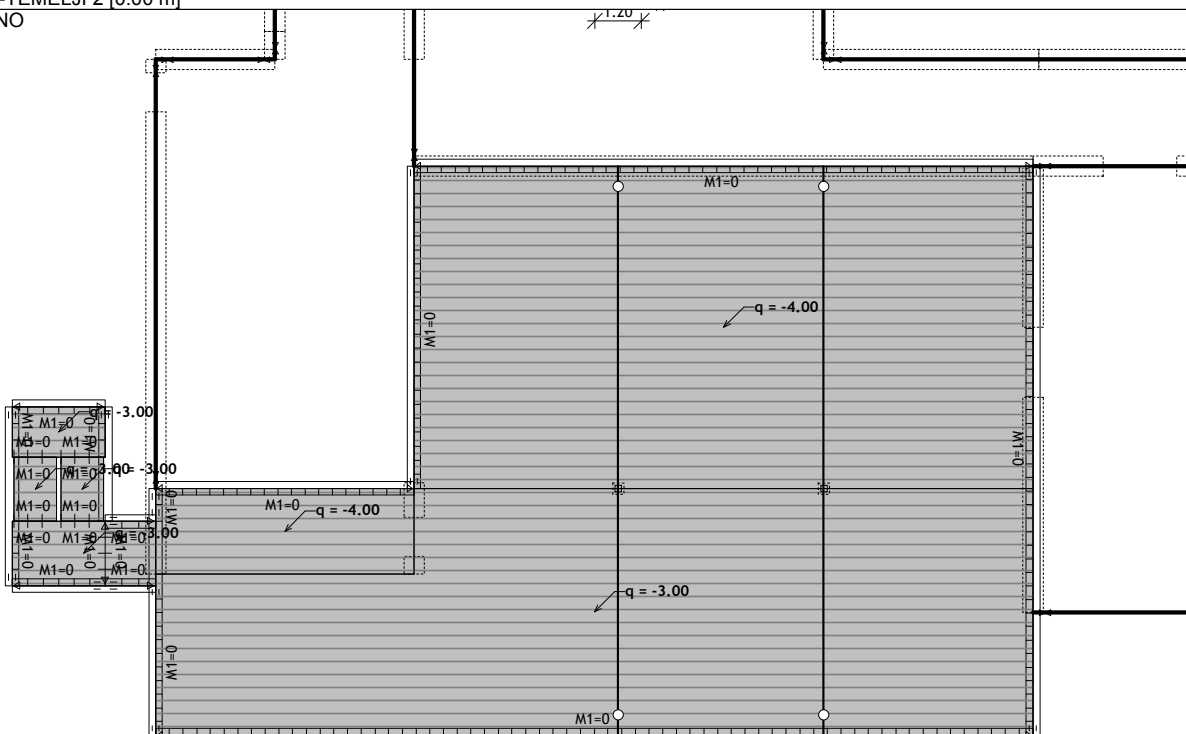
LC	Naziv
9	Komb.: I+0.3xII-1xIII
10	Komb.: I+0.3xII+III
11	Komb.: I-1xIV
12	Komb.: I-1xIII
13	Komb.: I+IV
14	Komb.: I+III
15	Komb.: 1.35xI
16	Komb.: I+II

Opt. 1: STALNO (g)



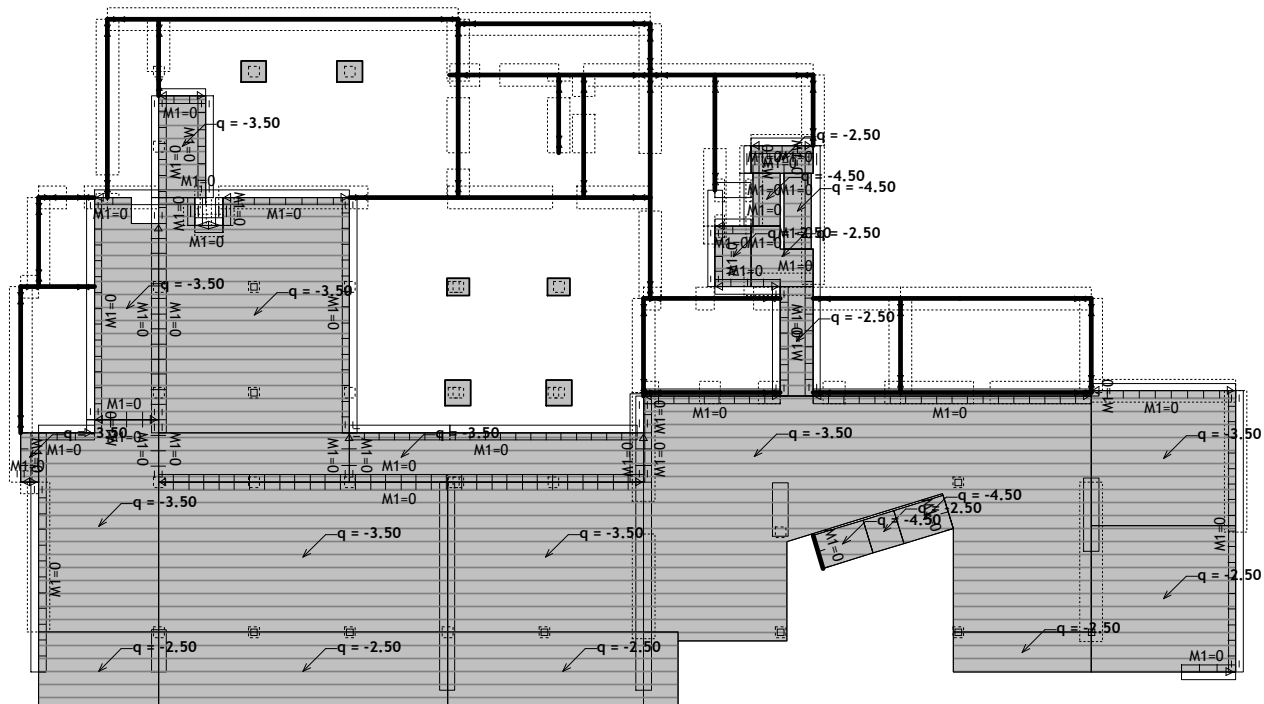
Nivo: ETAŽA 000-TEMELJI 2 [0.00 m]

Opt. 2: UPORABNO



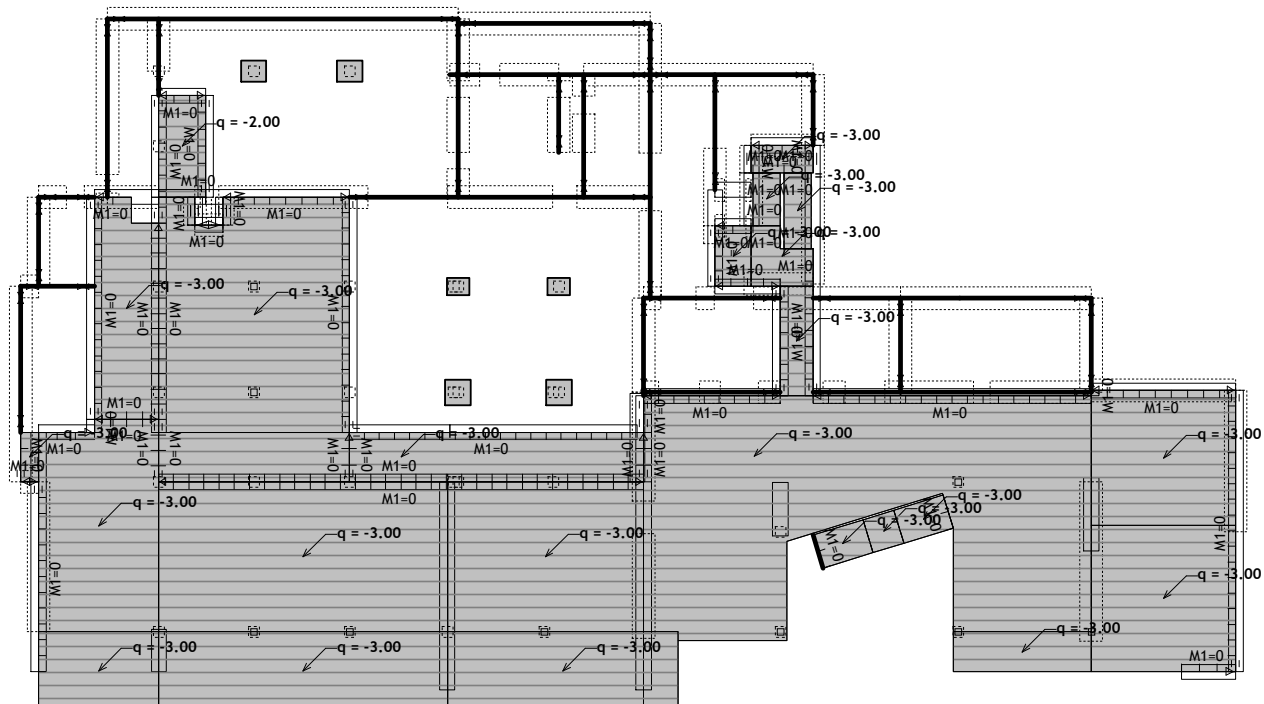
Nivo: ETAŽA 000-TEMELJI 2 [0.00 m]

Opt. 1: STALNO (g)



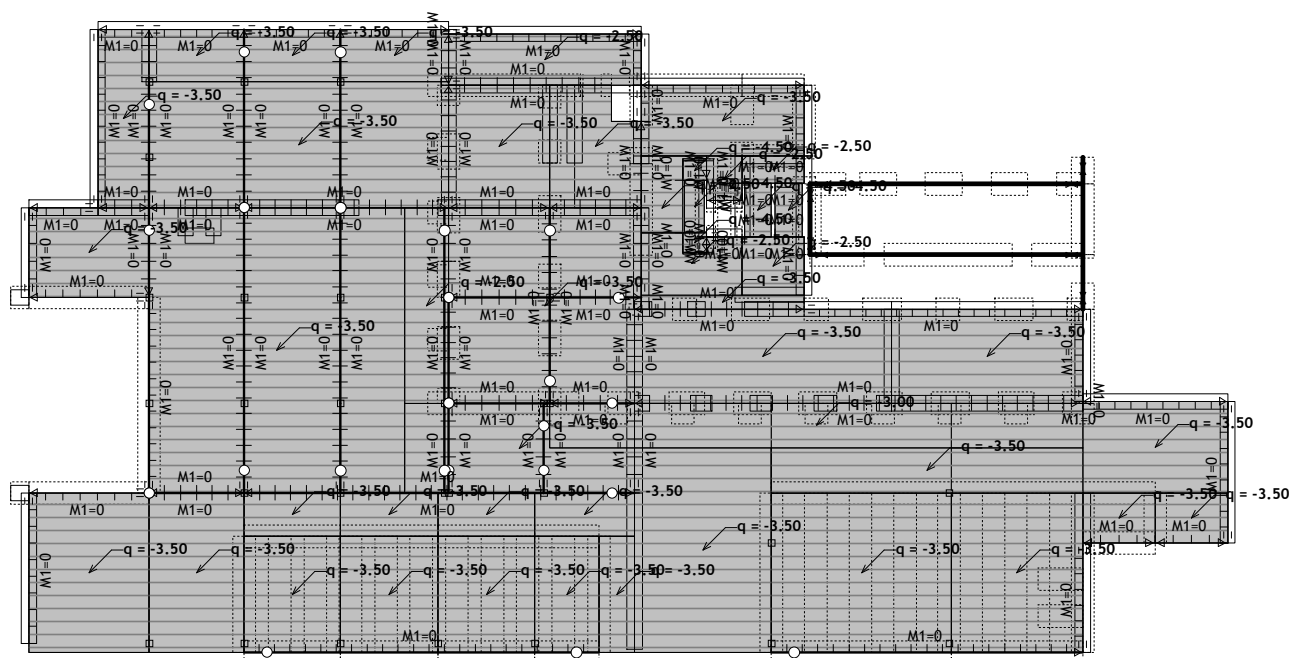
Nivo: ETAŽA 100 [3.33 m]

Opt. 2: UPORABNO



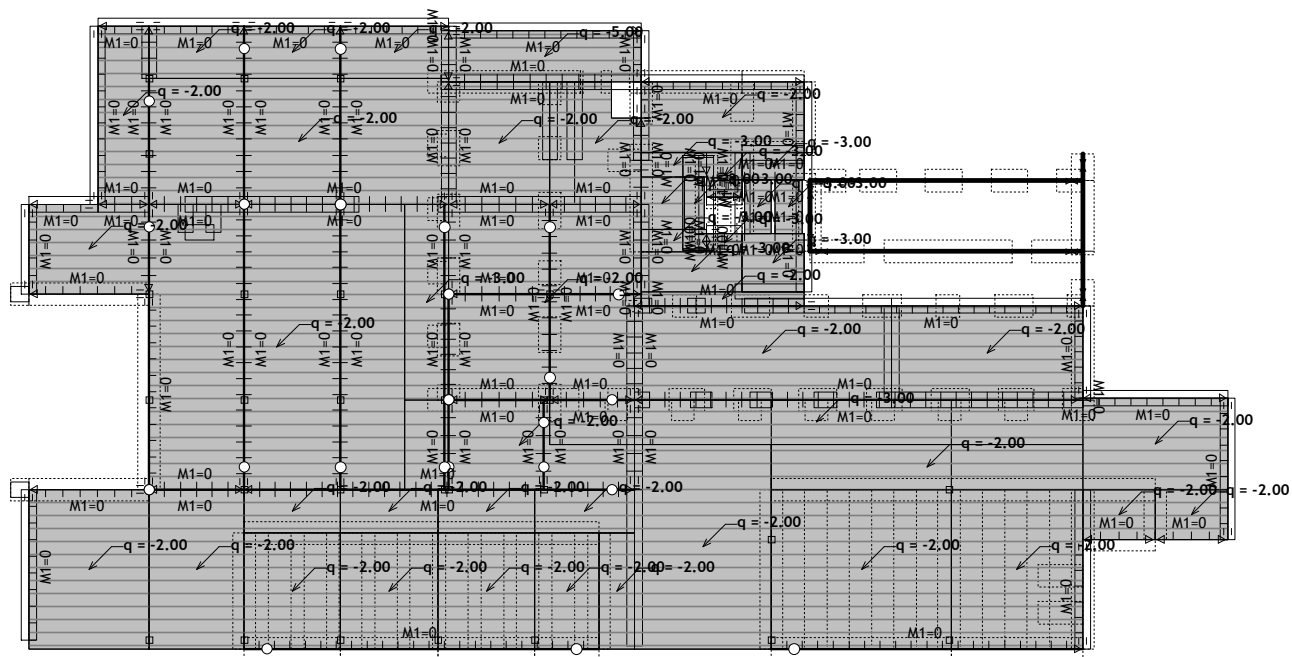
Nivo: ETAŽA 100 [3.33 m]

Opt. 1: STALNO (g)



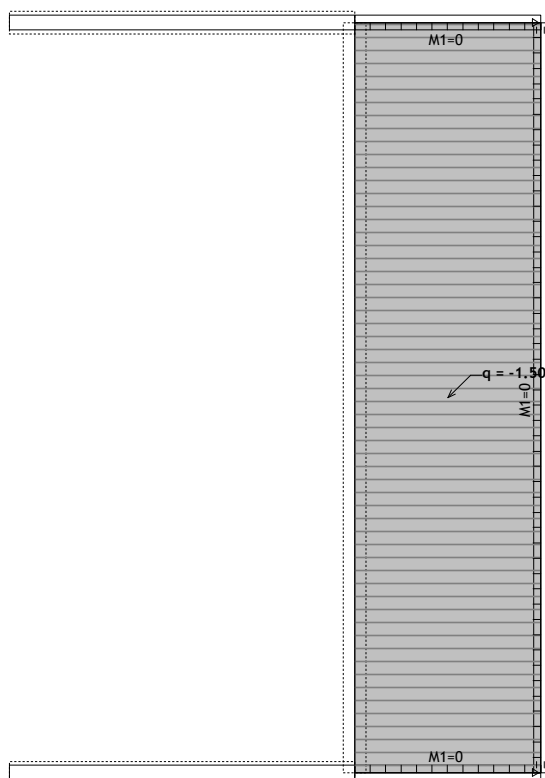
Nivo: ETAŽA 200 [6.86 m]

Opt. 2: UPORABNO



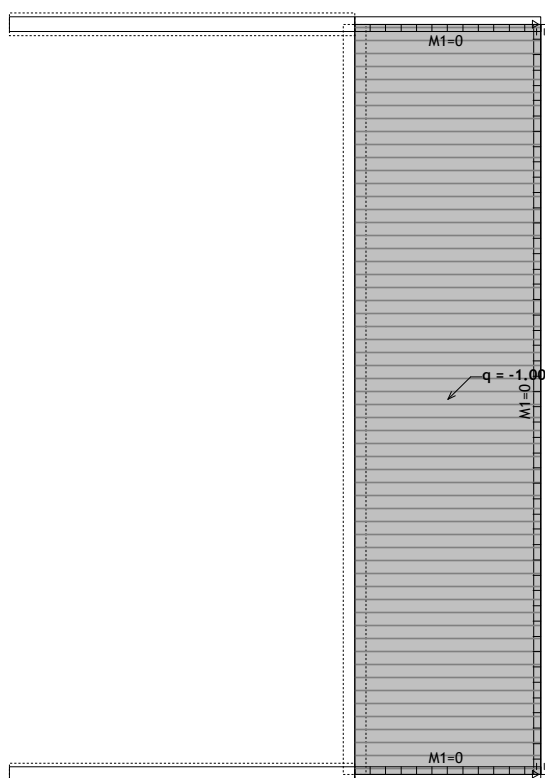
Nivo: ETAŽA 200 [6.86 m]

Opt. 1: STALNO (g)



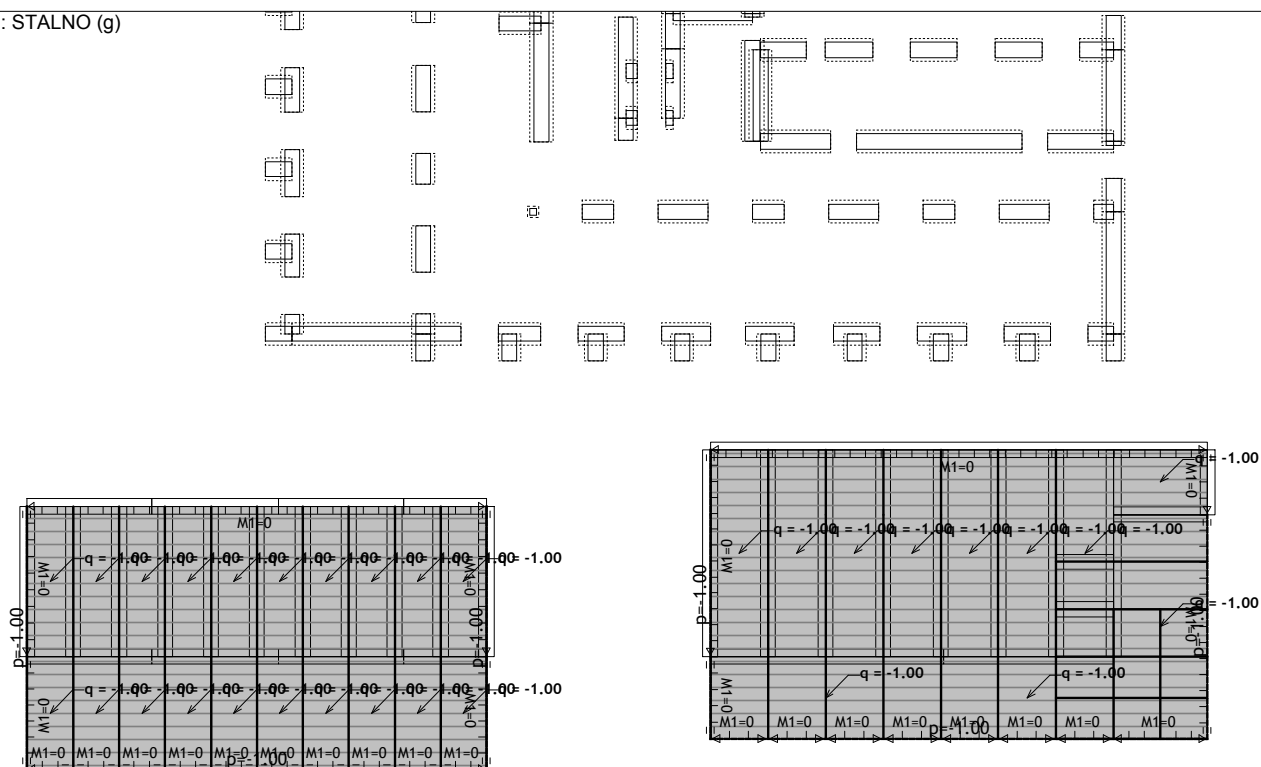
Nivo: [7.19 m]

Opt. 2: UPORABNO



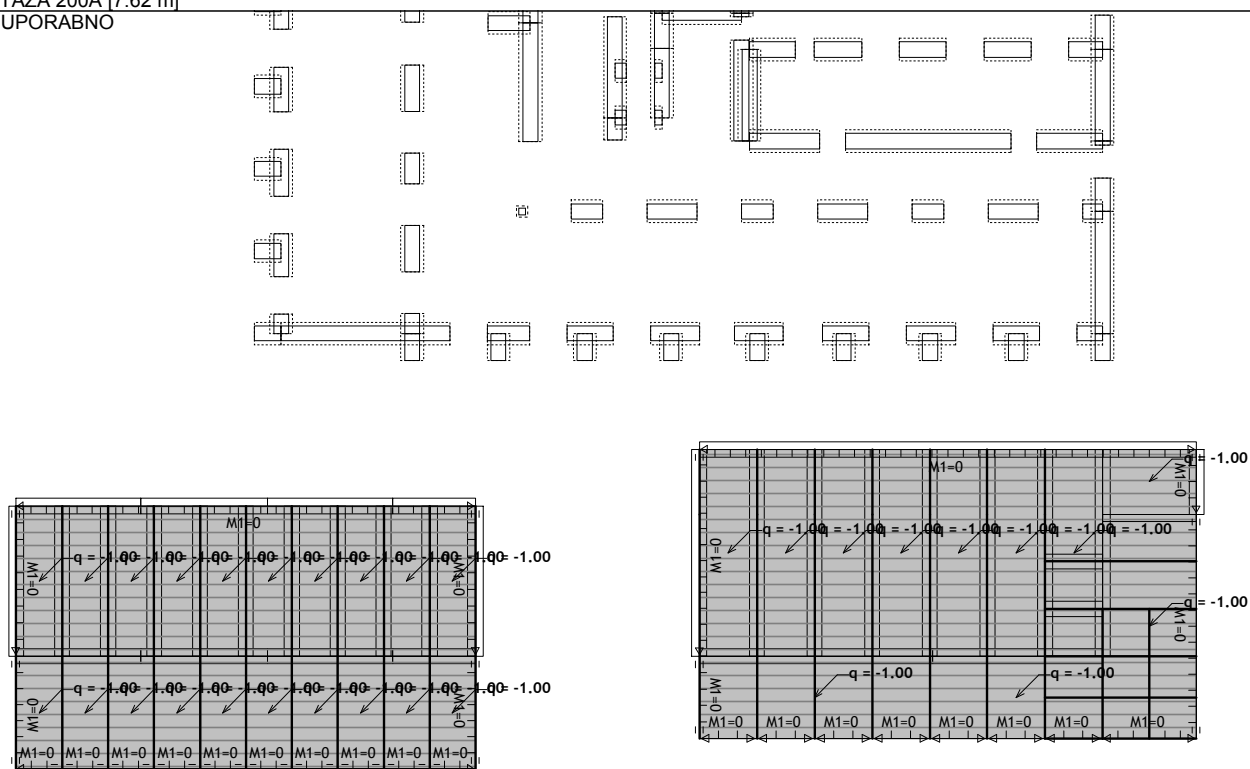
Nivo: [7.19 m]

Opt. 1: STALNO (g)



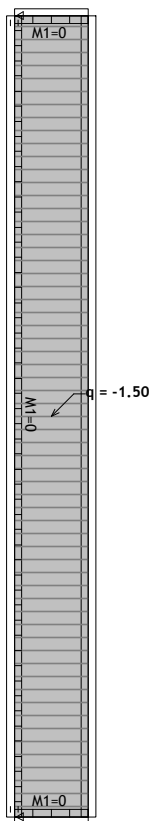
Nivo: ETAŽA 200A [7.62 m]

Opt. 2: UPORABNO



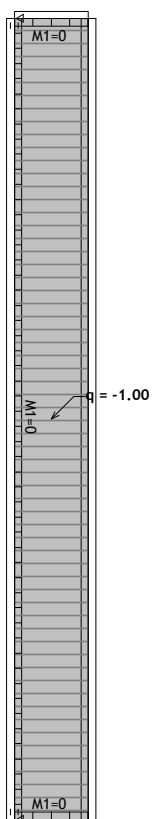
Nivo: ETAŽA 200A [7.62 m]

Opt. 1: STALNO (g)



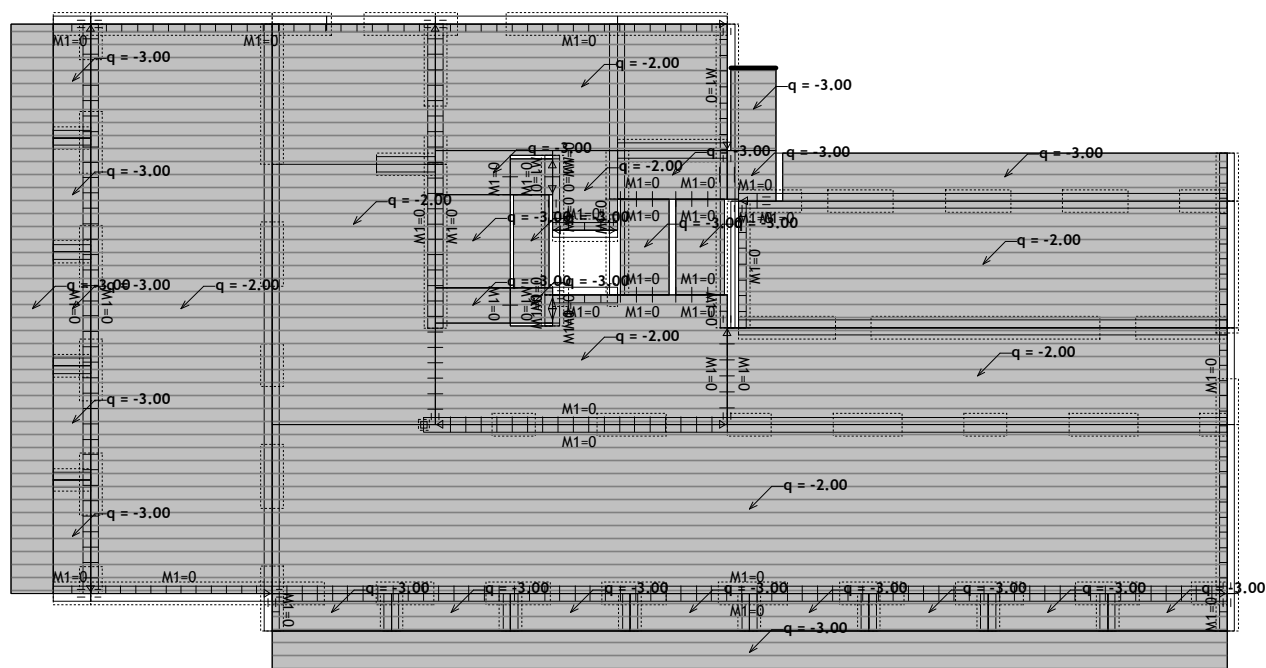
Nivo: [9.30 m]

Opt. 2: UPORABNO



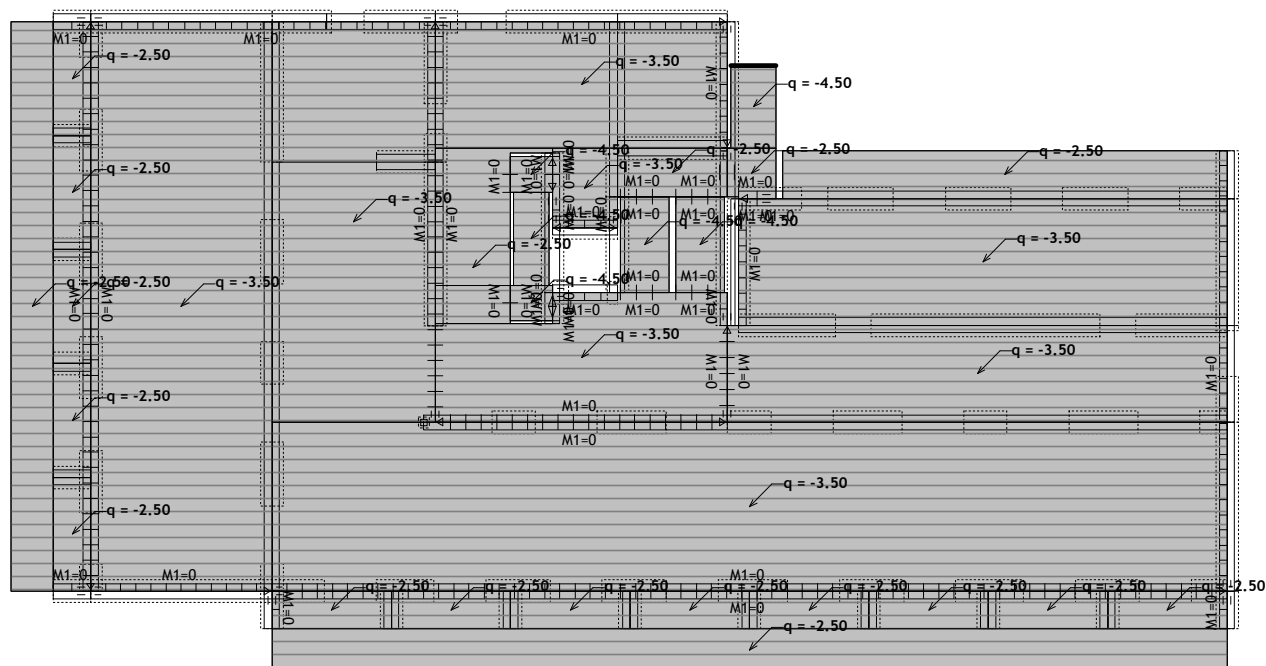
Nivo: [9.30 m]

Opt. 2: UPORABNO



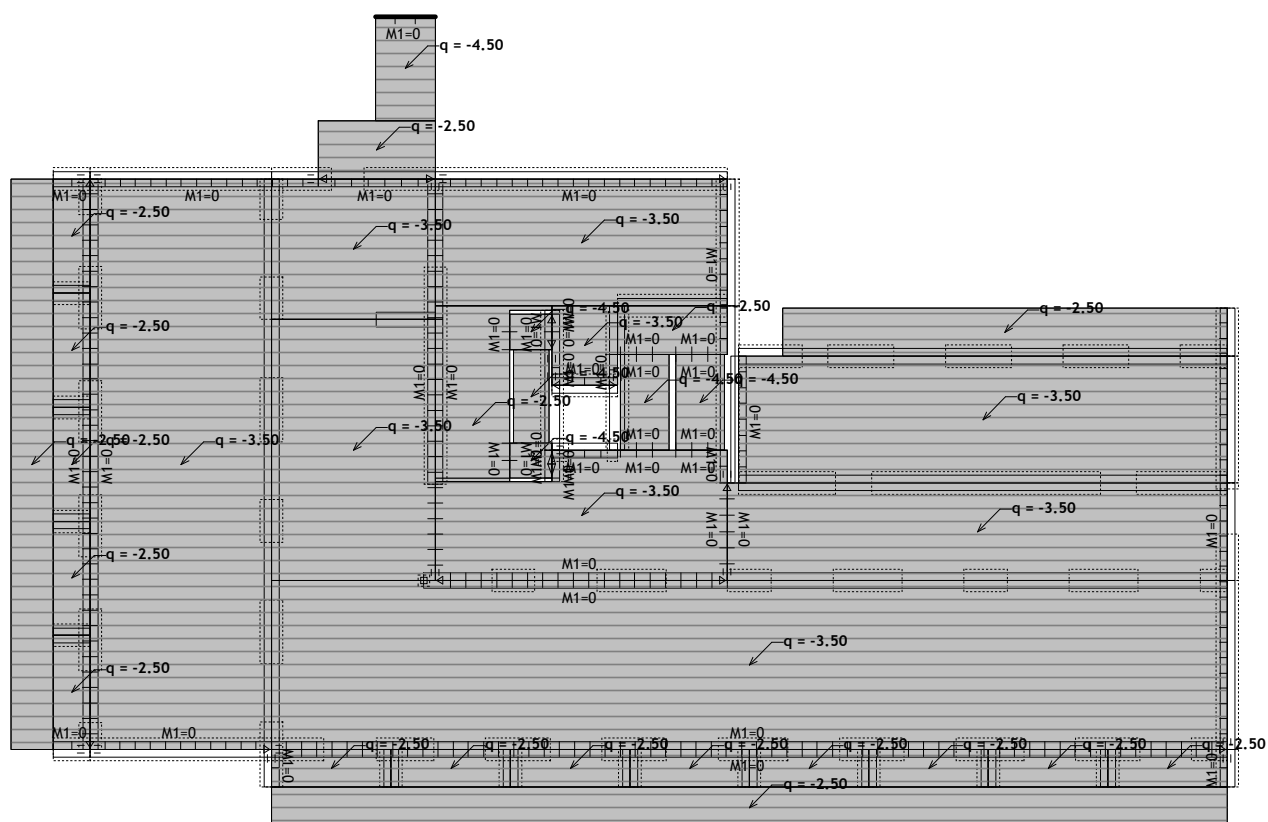
Nivo: ETAŽA 300 [10.08 m]

Opt. 1: STALNO (g)



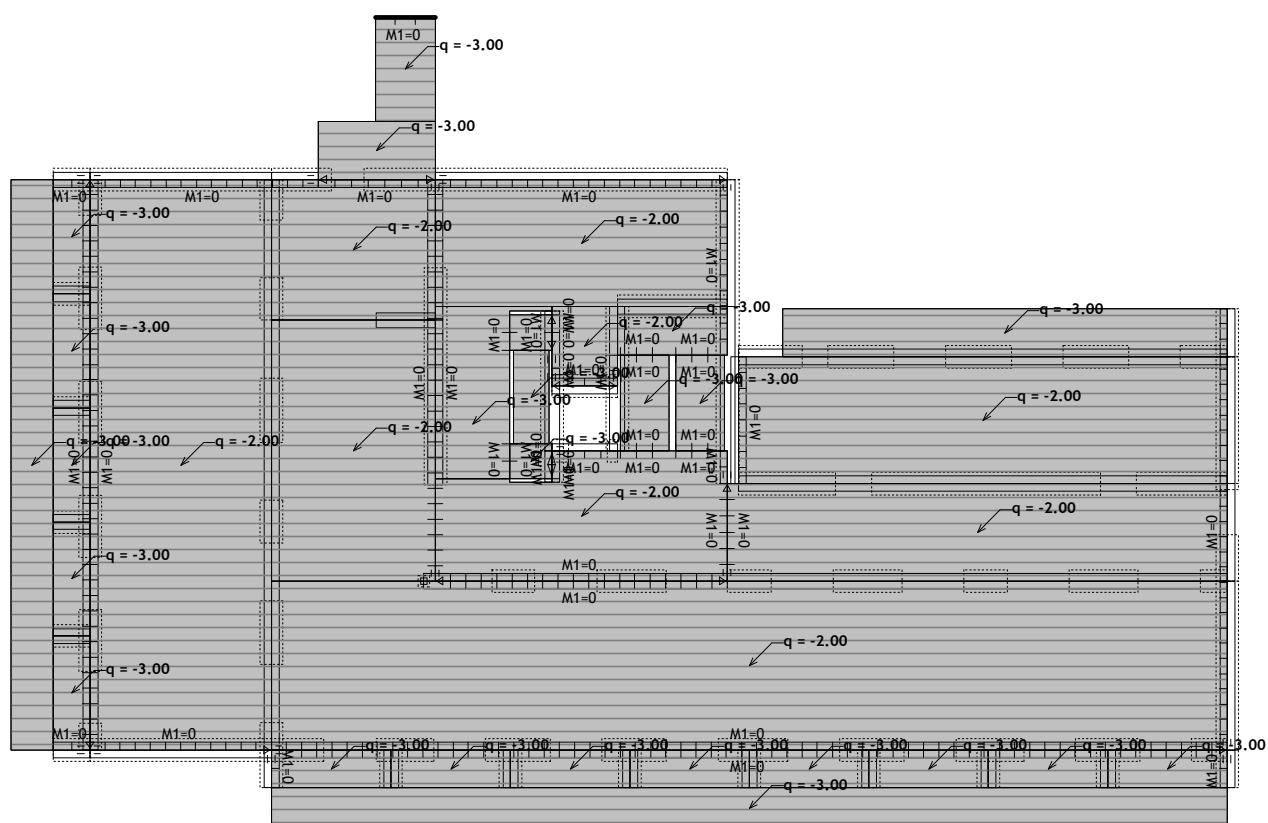
Nivo: ETAŽA 300 [10.08 m]

Opt. 1: STALNO (g)



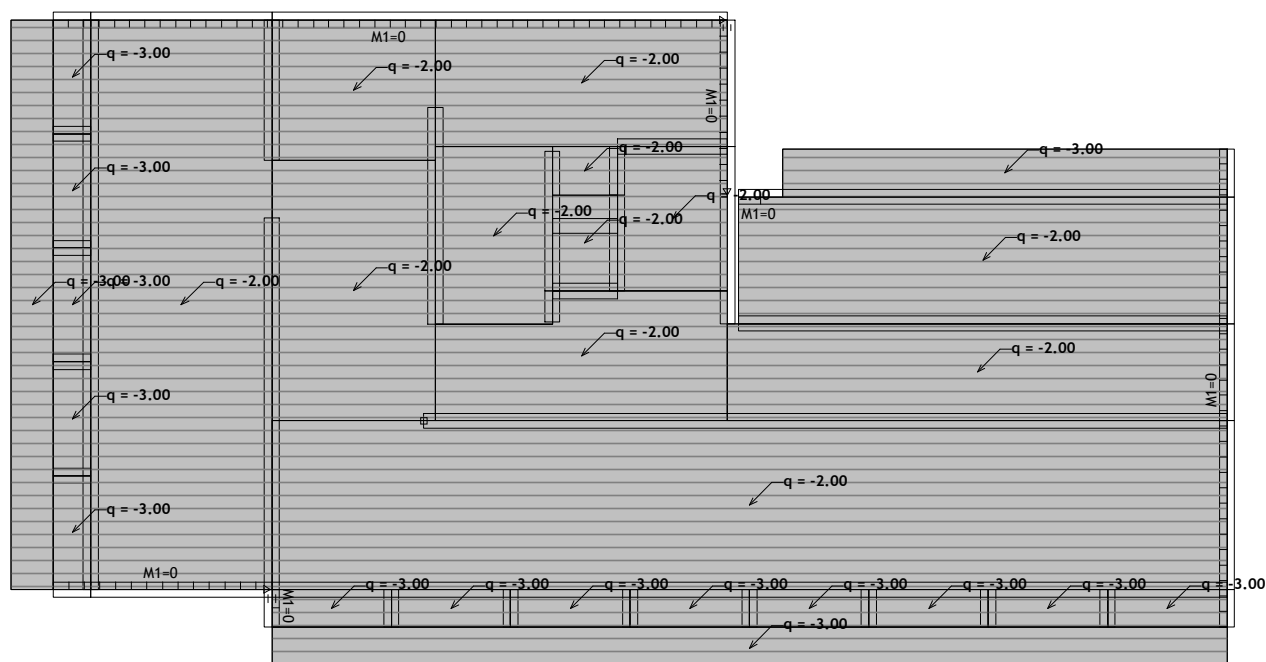
Nivo: ETAŽA 400 [13.23 m]

Opt. 2: UPORABNO



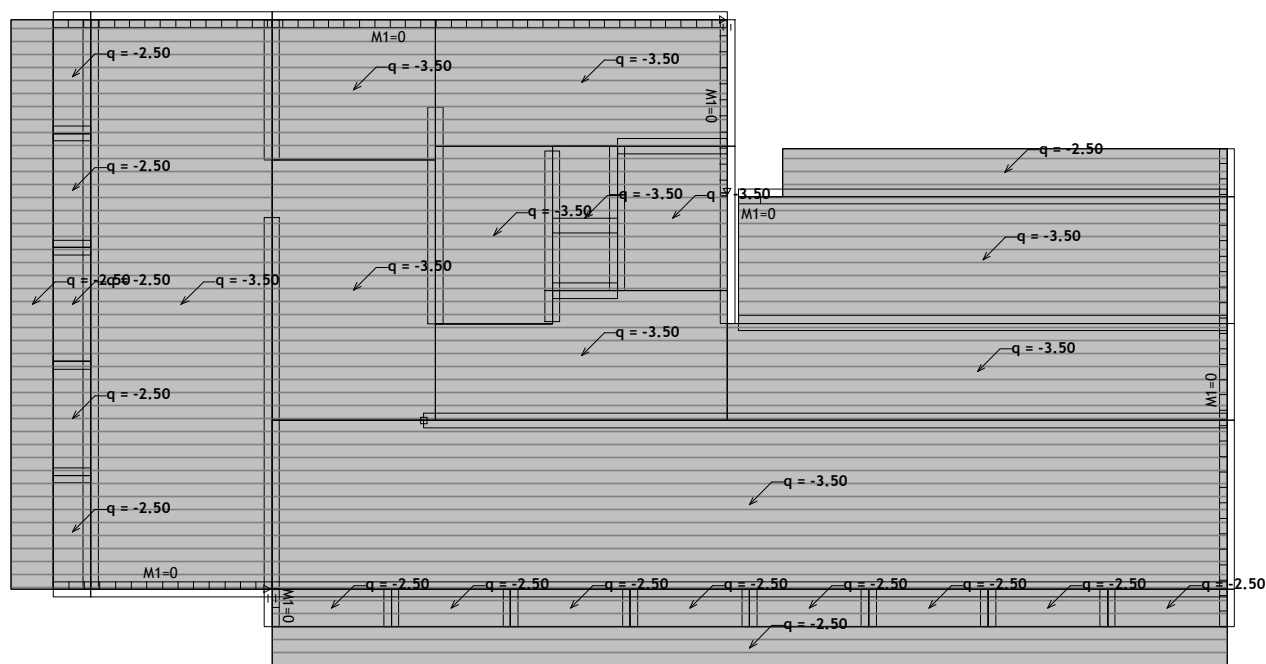
Nivo: ETAŽA 400 [13.23 m]

Opt. 2: UPORABNO



Nivo: ETAŽA 500 [16.46 m]

Opt. 1: STALNO (g)



Nivo: ETAŽA 500 [16.46 m]

Modalna analiza, Seizmički proračun

Faktori opterećenja za proračun masa

No	Naziv	Koeficijent
1	STALNO (g)	1.00
2	UPORABNO	0.30

Raspored masa po visini objekta

Nivo	Z [m]	X [m]	Y [m]	Masa [T]	T/m²
ETAŽA 500	16.46	39.21	20.55	682.64	1.03
ETAŽA 400	13.23	39.15	20.93	750.93	1.12
ETAŽA 300	10.08	39.15	20.73	647.09	0.97
	9.30	31.01	20.15	137.80	12.76
ETAŽA 200A	7.62	35.87	6.76	312.60	0.65
	7.19	30.03	10.23	145.95	5.04
ETAŽA 200	6.86	30.89	15.25	2209.65	1.32
ETAŽA 100	3.33	29.63	12.80	2244.69	1.88
ETAŽA 000-TEMELJI 2	0.00	21.36	6.44	897.04	2.42
TEMELJI 1	-4.09	9.96	0.23	181.25	27.97
Ukupno:	6.61	31.32	14.35	8209.65	

Položaj centara krutosti po visini objekta (približna metoda)

Nivo	Z [m]	X [m]	Y [m]
ETAŽA 500	16.46	26.54	16.20
ETAŽA 400	13.23	30.91	17.28
ETAŽA 300	10.08	30.11	16.19
	9.30	12.64	23.24
ETAŽA 200A	7.62	34.45	8.32

Nivo	Z [m]	X [m]	Y [m]
ETAŽA 200	7.19	36.34	7.64
ETAŽA 100	6.86	35.53	17.10
ETAŽA 000-TEMELJI 2	3.33	29.43	17.95
ETAŽA 000-TEMELJI 2	0.00	31.05	2.89
TEMELJI 1	-4.09	19.01	-2.49

Ekscentricitet po visini objekta (približna metoda)

Nivo	Z [m]	eox [m]	eoy [m]
ETAŽA 500	16.46	12.67	4.34
ETAŽA 400	13.23	8.24	3.65
ETAŽA 300	10.08	9.04	4.53
	9.30	18.37	3.08
ETAŽA 200A	7.62	1.42	1.56

Nivo	Z [m]	eox [m]	eoy [m]
	7.19	6.31	2.59
ETAŽA 200	6.86	4.64	1.84
ETAŽA 100	3.33	0.20	5.15
ETAŽA 000-TEMELJI 2	0.00	9.69	3.55
TEMELJI 1	-4.09	9.05	2.72

Periodi osciliranja konstrukcije

No	T [s]	f [Hz]
1	72.5520	0.0138
2	0.3051	3.2780
3	0.2944	3.3967
4	0.2793	3.5803
5	0.2511	3.9824
6	0.2159	4.6324
7	0.2121	4.7153

No	T [s]	f [Hz]
8	0.2081	4.8058
9	0.1982	5.0446
10	0.1942	5.1496
11	0.1895	5.2768
12	0.1843	5.4259
13	0.1807	5.5352
14	0.1791	5.5846

No	T [s]	f [Hz]
15	0.1783	5.6082
16	0.1734	5.7681
17	0.1706	5.8602
18	0.1700	5.8812
19	0.1697	5.8928
20	0.1677	5.9648

Seizmički proračun: EC8 (HRN EN 1998-1:2011)

Razred tla: A
Razred važnosti: II ($\gamma=1.0$)
Odnos a_g/g : 0.34
Koeficijent prigušenja: 0.05

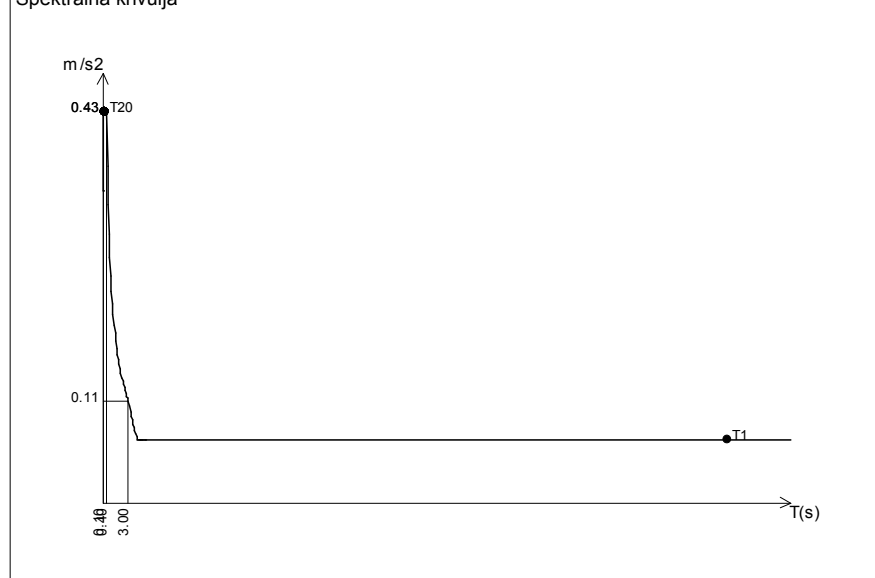
Faktori pravca potresa:

Slučaj opterećenja	Kut α [°]	k_α	$k_{\alpha+90^\circ}$	k_z	Faktor P.
POTRES X SMJER	0.000	1.000	0.300	0.300	2.000
POTRES Y SMJER	90.000	1.000	0.300	0.300	2.000

Tip spektra

Slučaj opterećenja	S	Tb	Tc	Td
POTRES X SMJER	1.000	0.100	0.400	3.000
POTRES Y SMJER	1.000	0.100	0.400	3.000

Spektralna krivulja



POTRES X SMJER

Nivo	Z [m]	Ton 1			Ton 2			Ton 3		
		Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]
ETAŽA 500	16.46	-0.01	0.04	-0.00	0.40	0.81	0.03	-0.02	0.36	-0.00
ETAŽA 400	13.23	-0.01	0.04	-0.00	0.36	0.72	0.04	-0.02	0.35	-0.00
ETAŽA 300	10.08	-0.01	0.03	-0.00	0.22	0.48	0.03	-0.02	0.24	-0.00
	9.30	-0.00	0.00	-0.00	0.05	0.05	0.00	-0.00	0.06	-0.00
ETAŽA 200A	7.62	-0.01	0.06	0.43	0.19	0.32	12.94	-0.13	0.93	32.34
	7.19	-0.00	0.01	0.12	0.10	0.09	0.07	-0.04	0.18	-0.12
ETAŽA 200	6.86	-0.05	0.07	0.70	1.05	1.00	0.48	-0.26	0.93	-2.34
ETAŽA 100	3.33	-0.20	0.08	0.38	0.28	-0.27	1.52	-0.21	0.42	3.23
ETAŽA 000-TEMELJI 2	0.00	0.01	-0.01	0.01	0.01	-0.02	0.11	-0.13	0.02	2.31
TEMELJI 1	-4.09	0.00	-0.00	-0.00	-0.00	0.00	-0.00	0.00	-0.04	0.21
	Σ=	-0.29	0.33	1.64	2.65	3.18	15.21	-0.83	3.45	35.62

Nivo	Z [m]	Ton 4			Ton 5			Ton 6		
		Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]
ETAŽA 500	16.46	-0.00	-0.01	-0.00	0.02	0.15	0.01	0.08	0.28	0.02
ETAŽA 400	13.23	-0.00	-0.01	-0.00	0.02	0.14	0.01	0.07	0.25	0.03
ETAŽA 300	10.08	-0.00	-0.01	-0.00	0.01	0.09	0.01	0.04	0.14	0.03
	9.30	-0.00	-0.00	-0.00	0.00	0.02	-0.00	0.01	0.02	0.00
ETAŽA 200A	7.62	-0.00	-0.00	-0.02	-0.01	0.11	1.79	-0.00	0.04	-0.01
	7.19	-0.00	-0.00	0.00	-0.00	0.03	0.01	0.00	0.02	0.00
ETAŽA 200	6.86	-0.00	-0.01	0.00	-0.01	0.25	-0.05	0.05	0.23	0.04
ETAŽA 100	3.33	-0.00	-0.00	0.05	0.00	0.03	0.61	0.02	0.06	-0.18
ETAŽA 000-TEMELJI 2	0.00	-0.00	0.00	0.09	-0.01	0.01	0.38	0.01	0.00	-0.21
TEMELJI 1	-4.09	0.00	-0.00	0.01	-0.00	-0.00	0.01	-0.00	0.00	-0.02
	Σ=	-0.01	-0.04	0.13	0.01	0.83	2.79	0.26	1.04	-0.28

Nivo	Z [m]	Ton 7			Ton 8			Ton 9		
		Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]
ETAŽA 500	16.46	6.03	14.09	1.89	960.46	2666.4	244.04	-0.32	-6.57	-0.41
ETAŽA 400	13.23	5.28	12.04	2.65	845.62	2268.5	369.02	-0.19	-5.60	-0.69
ETAŽA 300	10.08	3.01	6.83	2.47	488.48	1275.7	350.62	0.00	-3.03	-0.66
	9.30	0.40	0.98	0.17	80.10	181.74	18.55	0.04	-0.51	-0.00
ETAŽA 200A	7.62	0.49	1.39	0.31	144.41	244.61	60.11	0.50	-0.85	2.65
	7.19	0.17	0.58	0.16	61.31	97.44	21.92	0.19	-0.35	0.86
ETAŽA 200	6.86	2.20	9.06	159.14	810.22	1430.9	568.55	1.67	-4.55	5.63
ETAŽA 100	3.33	0.45	2.73	5.06	250.22	615.02	268.15	0.49	-1.62	27.48
ETAŽA 000-TEMELJI 2	0.00	0.09	0.48	0.91	20.02	83.68	38.25	0.09	-0.29	0.25
TEMELJI 1	-4.09	0.00	0.03	0.01	2.65	5.36	1.56	0.01	-0.02	-0.01
	Σ=	18.12	48.23	172.77	3663.5	8869.3	1940.8	2.49	-23.41	35.08

Nivo	Z [m]	Ton 10			Ton 11			Ton 12		
		Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]
ETAŽA 500	16.46	40.51	-7.98	1.26	1982.6	-867.29	23.32	35.72	-8.54	3.38
ETAŽA 400	13.23	37.07	-8.02	2.92	1815.7	-788.43	87.45	32.49	-8.45	9.86
ETAŽA 300	10.08	22.92	-4.75	2.69	1115.3	-433.36	80.96	19.55	-5.07	9.66
	9.30	4.28	-2.48	0.71	207.07	-119.39	21.88	3.39	-1.41	0.63
ETAŽA 200A	7.62	13.23	-3.06	-5.46	646.44	-107.13	155.47	8.75	-6.31	-94.78
	7.19	5.70	-2.53	-3.82	268.57	-79.80	19.73	3.75	-1.90	-5.79
ETAŽA 200	6.86	63.88	-30.84	-29.84	2932.8	-1085.35	197.10	42.48	-18.15	-25.49
ETAŽA 100	3.33	27.30	-10.43	-23.65	1046.8	-225.02	28.82	16.15	0.35	-16.38
ETAŽA 000-TEMELJI 2	0.00	3.35	1.83	-43.07	130.55	-88.47	59.38	2.10	-0.87	-2.00
TEMELJI 1	-4.09	0.05	0.56	-2.45	13.34	-10.13	0.41	0.22	-0.12	0.01
	Σ=	218.30	-67.73	-100.69	10159	-3804.37	674.51	164.60	-50.47	-120.90

Nivo	Z [m]	Ton 13			Ton 14			Ton 15		
		Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]
ETAŽA 500	16.46	24.91	26.70	-10.30	0.11	0.18	-0.12	0.06	-0.11	-0.01
ETAŽA 400	13.23	22.57	23.12	-83.78	0.10	0.19	-7.15	0.06	-0.09	0.00
ETAŽA 300	10.08	12.76	13.41	-85.94	0.06	0.13	6.63	0.04	-0.04	-0.01
	9.30	2.15	1.93	-0.96	0.02	0.00	-0.00	0.00	-0.00	-0.00
ETAŽA 200A	7.62	4.98	3.48	-4.04	0.03	0.02	-0.01	0.02	0.05	0.54
	7.19	2.11	1.24	-0.58	0.01	0.01	-0.00	0.01	0.01	-0.01
ETAŽA 200	6.86	25.55	18.64	-13.70	0.17	0.12	-0.06	0.08	0.02	-0.13
ETAŽA 100	3.33	11.49	9.44	-8.34	0.06	0.06	-0.01	0.05	-0.00	0.57
ETAŽA 000-TEMELJI 2	0.00	1.28	1.02	-1.11	0.01	0.01	-0.00	-0.01	0.01	0.32
TEMELJI 1	-4.09	0.14	0.05	0.01	0.00	0.00	-0.00	-0.00	-0.00	0.02
	Σ=	107.94	99.02	-208.74	0.58	0.72	-0.72	0.30	-0.16	1.30

Nivo	Z [m]	Ton 16			Ton 17			Ton 18		
		Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]
ETAŽA 500	16.46	-0.15	-0.03	0.03	1.58	-4.27	2.65	2.84	40.98	-23.13
ETAŽA 400	13.23	-0.14	-0.03	0.06	1.22	-3.89	5.33	4.39	36.60	-47.61
ETAŽA 300	10.08	-0.09	-0.02	0.06	0.52	-2.28	6.04	4.25	20.92	-54.86
	9.30	-0.21	-0.42	0.66	-0.03	-0.28	0.28	1.72	2.44	-2.34
ETAŽA 200A	7.62	-0.01	-0.17	0.68	-0.56	-0.59	-0.57	7.24	4.19	-5.72
	7.19	0.02	-0.08	0.84	-0.23	-0.19	0.05	3.05	1.33	-1.69
ETAŽA 200	6.86	-0.08	-0.04	31.73	-2.28	-2.80	5.91	32.71	20.90	-58.66
ETAŽA 100	3.33	0.37	-0.44	2.21	-0.73	-1.28	0.10	11.92	14.73	-19.97
ETAŽA 000-TEMELJI 2	0.00	-0.03	0.01	0.51	-0.12	-0.12	0.56	1.99	1.18	-7.05
TEMELJI 1	-4.09	-0.00	0.00	0.00	-0.01	-0.00	0.06	0.19	-0.01	-0.70
	Σ=	-0.33	-1.21	36.77	-0.65	-15.69	20.40	70.30	143.26	-221.73

Nivo	Z [m]	Ton 19			Ton 20		
		Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]
ETAŽA 500	16.46	-15.00	20.43	-5.58	0.60	0.62	-0.23
ETAŽA 400	13.23	-13.31	17.60	-12.47	0.57	0.54	-0.56
ETAŽA 300	10.08	-7.38	9.10	-15.06	0.37	0.29	-0.75
	9.30	-2.05	2.66	0.43	0.08	0.03	-0.02
ETAŽA 200A	7.62	3.98	-2.80	37.20	0.31	-0.07	-3.92
	7.19	0.08	-0.09	20.71	0.09	-0.01	-0.16
ETAŽA 200	6.86	-7.11	0.42	215.25	0.83	0.07	-1.66
ETAŽA 100	3.33	6.29	0.88	261.67	0.25	0.37	-2.72
ETAŽA 000-TEMELJI 2	0.00	-5.88	2.13	158.52	0.04	0.03	-0.16

TEMELJI 1	-4.09	-0.26	0.52	14.82	0.01	0.00	-0.00
	Σ=	-40.64	50.85	675.49	3.15	1.86	-10.19

POTRES Y SMJER

Nivo	Z [m]	Ton 1			Ton 2			Ton 3		
		Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]
ETAŽA 500	16.46	-0.03	0.11	-0.00	0.34	0.69	0.03	-0.03	0.48	-0.00
ETAŽA 400	13.23	-0.03	0.12	-0.00	0.30	0.61	0.03	-0.03	0.46	-0.01
ETAŽA 300	10.08	-0.03	0.10	-0.01	0.19	0.41	0.02	-0.03	0.32	-0.00
	9.30	-0.01	0.01	-0.00	0.04	0.05	0.00	-0.01	0.08	-0.01
ETAŽA 200A	7.62	-0.02	0.19	1.28	0.16	0.27	11.00	-0.17	1.23	42.70
	7.19	-0.01	0.04	0.37	0.08	0.07	0.06	-0.05	0.24	-0.16
ETAŽA 200	6.86	-0.16	0.22	2.10	0.89	0.85	0.41	-0.34	1.22	-3.09
ETAŽA 100	3.33	-0.61	0.23	1.15	0.24	-0.23	1.29	-0.27	0.55	4.26
ETAŽA 000-TEMELJI 2	0.00	0.02	-0.03	0.04	0.01	-0.02	0.10	-0.18	0.03	3.05
TEMELJI 1	-4.09	0.00	-0.00	-0.00	-0.00	0.00	-0.00	0.00	-0.05	0.28
	Σ=	-0.87	0.99	4.93	2.25	2.70	12.93	-1.09	4.55	47.03

Nivo	Z [m]	Ton 4			Ton 5			Ton 6		
		Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]
ETAŽA 500	16.46	-0.00	-0.00	-0.00	0.03	0.23	0.01	0.14	0.51	0.04
ETAŽA 400	13.23	-0.00	-0.00	-0.00	0.02	0.21	0.02	0.12	0.44	0.06
ETAŽA 300	10.08	-0.00	-0.00	-0.00	0.01	0.14	0.02	0.07	0.26	0.06
	9.30	-0.00	-0.00	-0.00	0.00	0.03	-0.00	0.01	0.04	0.00
ETAŽA 200A	7.62	-0.00	-0.00	-0.00	-0.02	0.17	2.73	-0.00	0.07	-0.02
	7.19	-0.00	-0.00	0.00	-0.01	0.04	0.02	0.00	0.03	0.01
ETAŽA 200	6.86	-0.00	-0.00	0.00	-0.02	0.39	-0.07	0.10	0.41	0.06
ETAŽA 100	3.33	-0.00	-0.00	0.01	0.00	0.05	0.94	0.03	0.10	-0.32
ETAŽA 000-TEMELJI 2	0.00	-0.00	0.00	0.02	-0.01	0.01	0.58	0.01	0.00	-0.37
TEMELJI 1	-4.09	0.00	-0.00	0.00	-0.00	-0.00	0.02	-0.00	0.00	-0.03
	Σ=	-0.00	-0.01	0.03	0.01	1.27	4.25	0.47	1.87	-0.50

Nivo	Z [m]	Ton 7			Ton 8			Ton 9		
		Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]
ETAŽA 500	16.46	6.76	15.80	2.12	1161.5	3224.6	295.13	0.73	14.95	0.93
ETAŽA 400	13.23	5.91	13.49	2.96	1022.7	2743.4	446.28	0.43	12.74	1.58
ETAŽA 300	10.08	3.37	7.66	2.77	590.75	1542.8	424.02	-0.01	6.90	1.51
	9.30	0.45	1.09	0.19	96.87	219.79	22.44	-0.09	1.16	0.01
ETAŽA 200A	7.62	0.55	1.56	0.35	174.65	295.82	72.69	-1.14	1.94	-6.02
	7.19	0.20	0.65	0.18	74.15	117.84	26.51	-0.44	0.79	-1.95
ETAŽA 200	6.86	2.46	10.16	178.37	979.85	1730.4	687.58	-3.80	10.36	-12.81
ETAŽA 100	3.33	0.50	3.06	5.67	302.61	743.79	324.29	-1.12	3.70	-62.51
ETAŽA 000-TEMELJI 2	0.00	0.10	0.54	1.02	24.21	101.20	46.26	-0.22	0.67	-0.57
TEMELJI 1	-4.09	0.00	0.03	0.01	3.21	6.48	1.89	-0.02	0.05	0.03
	Σ=	20.31	54.05	193.65	4430.5	10726	2347.1	-5.66	53.25	-79.80

Nivo	Z [m]	Ton 10			Ton 11			Ton 12		
		Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]
ETAŽA 500	16.46	-39.46	7.78	-1.22	-1429.86	625.50	-16.82	-42.95	10.27	-4.07
ETAŽA 400	13.23	-36.11	7.82	-2.84	-1309.52	568.63	-63.07	-39.07	10.16	-11.85
ETAŽA 300	10.08	-22.33	4.63	-2.62	-804.37	312.55	-58.39	-23.51	6.10	-11.62
	9.30	-4.17	2.42	-0.70	-149.34	86.10	-15.78	-4.08	1.70	-0.76
ETAŽA 200A	7.62	-12.88	2.98	5.32	-466.22	77.27	-112.13	-10.52	7.59	113.98
	7.19	-5.56	2.47	3.72	-193.70	57.55	-14.23	-4.51	2.28	6.96
ETAŽA 200	6.86	-62.22	30.04	29.06	-2115.20	782.77	-142.16	-51.09	21.82	30.65
ETAŽA 100	3.33	-26.60	10.16	23.03	-754.97	162.29	-20.78	-19.42	-0.42	19.70
ETAŽA 000-TEMELJI 2	0.00	-3.27	-1.78	41.95	-94.15	63.81	-42.82	-2.53	1.05	2.41
TEMELJI 1	-4.09	-0.05	-0.54	2.38	-9.62	7.31	-0.29	-0.26	0.15	-0.01
	Σ=	-212.64	65.97	98.08	-7326.97	2743.8	-486.46	-197.93	60.69	145.38

Nivo	Z [m]	Ton 13			Ton 14			Ton 15		
		Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]
ETAŽA 500	16.46	1.33	1.43	-0.55	0.06	0.10	-0.07	0.01	-0.02	-0.00
ETAŽA 400	13.23	1.21	1.24	-4.48	0.06	0.11	-4.09	0.01	-0.02	0.00
ETAŽA 300	10.08	0.68	0.72	-4.60	0.03	0.07	3.80	0.01	-0.01	-0.00
	9.30	0.12	0.10	-0.05	0.01	0.00	-0.00	0.00	-0.00	-0.00
ETAŽA 200A	7.62	0.27	0.19	-0.22	0.02	0.01	-0.00	0.00	0.01	0.11
	7.19	0.11	0.07	-0.03	0.01	0.00	-0.00	0.00	0.00	-0.00
ETAŽA 200	6.86	1.37	1.00	-0.73	0.10	0.07	-0.03	0.02	0.00	-0.03
ETAŽA 100	3.33	0.61	0.51	-0.45	0.03	0.04	-0.01	0.01	-0.00	0.12
ETAŽA 000-TEMELJI 2	0.00	0.07	0.05	-0.06	0.00	0.00	-0.00	-0.00	0.00	0.07
TEMELJI 1	-4.09	0.01	0.00	0.00	0.00	0.00	-0.00	-0.00	-0.00	0.00
	Σ=	5.78	5.30	-11.17	0.33	0.41	-0.41	0.06	-0.03	0.27

Nivo	Z [m]	Ton 16			Ton 17			Ton 18		
		Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]
ETAŽA 500	16.46	-0.14	-0.03	0.03	-19.28	52.16	-32.40	3.38	48.77	-27.53
ETAŽA 400	13.23	-0.13	-0.03	0.06	-14.98	47.53	-65.21	5.22	43.56	-56.66
ETAŽA 300	10.08	-0.08	-0.02	0.06	-6.33	27.93	-73.87	5.06	24.90	-65.29
	9.30	-0.20	-0.40	0.63	0.34	3.39	-3.37	2.05	2.90	-2.79
ETAŽA 200A	7.62	-0.01	-0.16	0.66	6.83	7.19	6.98	8.61	4.98	-6.81
	7.19	0.01	-0.08	0.81	2.85	2.31	-0.62	3.63	1.59	-2.01
ETAŽA 200	6.86	-0.08	-0.04	30.44	27.86	34.18	-72.23	38.93	24.87	-69.81
ETAŽA 100	3.33	0.35	-0.42	2.11	8.97	15.66	-1.18	14.19	17.53	-23.77
ETAŽA 000-TEMELJI 2	0.00	-0.03	0.01	0.48	1.52	1.45	-6.79	2.37	1.40	-8.39
TEMELJI 1	-4.09	-0.00	0.00	0.00	0.14	0.01	-0.79	0.23	-0.01	-0.83
	Σ=	-0.31	-1.16	35.27	7.92	191.81	-249.47	83.67	170.50	-263.88

Nivo	Z [m]	Ton 19			Ton 20		
		Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]
ETAŽA 500	16.46	-22.48	30.62	-8.37	-1.97	-2.04	0.76
ETAŽA 400	13.23	-19.95	26.37	-18.68	-1.89	-1.78	1.86
ETAŽA 300	10.08	-11.06	13.64	-22.57	-1.21	-0.94	2.47
	9.30	-3.07	3.99	0.65	-0.25	-0.11	0.07
ETAŽA 200A	7.62	5.96	-4.19	55.75	-1.01	0.23	12.92

	7.19	0.12	-0.14	31.05	-0.30	0.03	0.51
ETAŽA 200	6.86	-10.66	0.63	322.62	-2.75	-0.23	5.48
ETAŽA 100	3.33	9.43	1.32	392.20	-0.83	-1.21	8.96
ETAŽA 000-TEMELJI 2	0.00	-8.82	3.19	237.59	-0.14	-0.09	0.54
TEMELJI 1	-4.09	-0.39	0.78	22.21	-0.02	-0.00	0.00
	Σ=	-60.91	76.22	1012.5	-10.37	-6.14	33.58

Faktori participacije - Relativno učešće

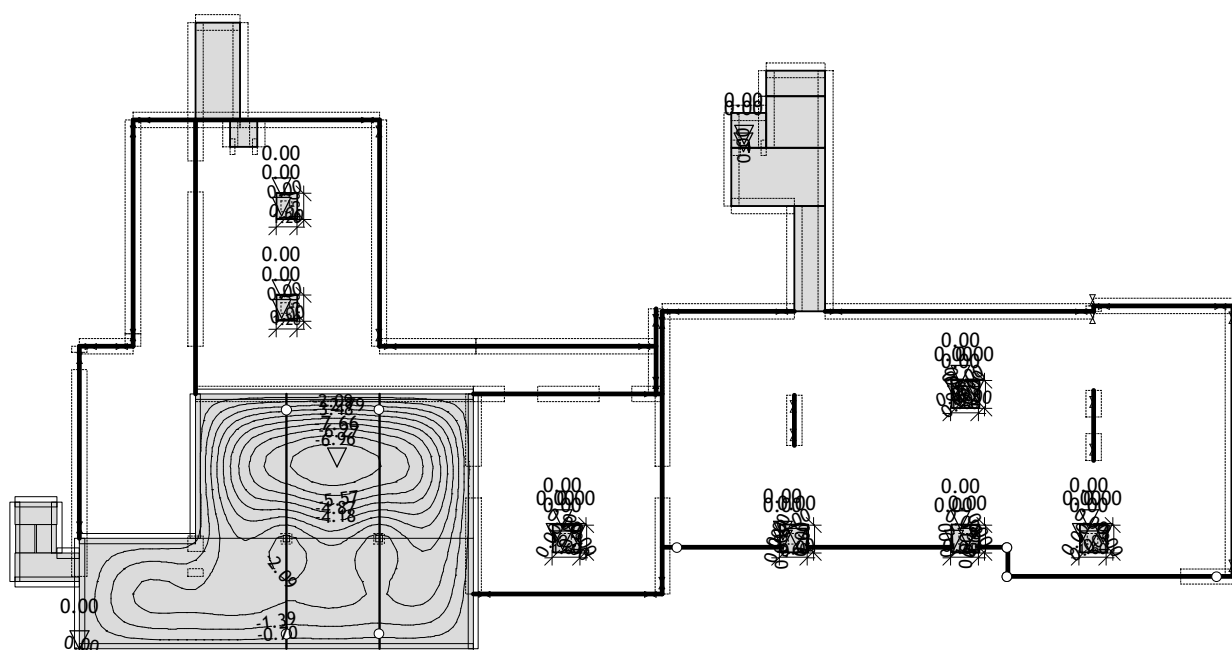
Ton \ Naziv	1. POTRES X	2. POTRES Y
1	0.000	0.000
2	0.000	0.000
3	0.001	0.001
4	0.000	0.000
5	0.000	0.000
6	0.000	0.000
7	0.005	0.007
8	0.410	0.632
9	0.000	0.002
10	0.010	0.010
11	0.548	0.300
12	0.007	0.010
13	0.004	0.000
14	0.000	0.000
15	0.000	0.000
16	0.001	0.001
17	0.000	0.007
18	0.003	0.004
19	0.011	0.025
20	0.000	0.000

Faktori participacije - Sudjelujuće mase

Ton	UX (%)	UY (%)	UZ (%)	ΣUX (%)	ΣUY (%)	ΣUZ (%)
1	0.01	0.01	0.16	0.01	0.01	0.16
2	0.00	0.00	0.08	0.01	0.01	0.25
3	0.00	0.00	0.34	0.01	0.01	0.59
4	0.00	0.00	0.00	0.01	0.01	0.59
5	0.00	0.00	0.02	0.01	0.02	0.61
6	0.00	0.01	0.00	0.01	0.02	0.61
7	0.01	0.08	1.03	0.02	0.10	1.64
8	5.68	33.29	1.59	5.70	33.39	3.24
9	0.00	0.27	0.60	5.70	33.66	3.84
10	0.83	0.08	0.18	6.53	33.74	4.01
11	32.71	4.59	0.14	39.25	38.33	4.16
12	0.70	0.07	0.38	39.95	38.39	4.54
13	0.45	0.38	1.70	40.40	38.77	6.23
14	0.00	0.00	0.00	40.40	38.78	6.24
15	0.00	0.00	0.01	40.40	38.78	6.24
16	0.00	0.00	0.38	40.40	38.78	6.63
17	0.00	0.94	1.59	40.40	39.71	8.21
18	0.31	1.28	3.07	40.71	41.00	11.29
19	0.03	0.04	7.52	40.74	41.04	18.81
20	0.04	0.02	0.47	40.78	41.06	19.28

Statički proračun

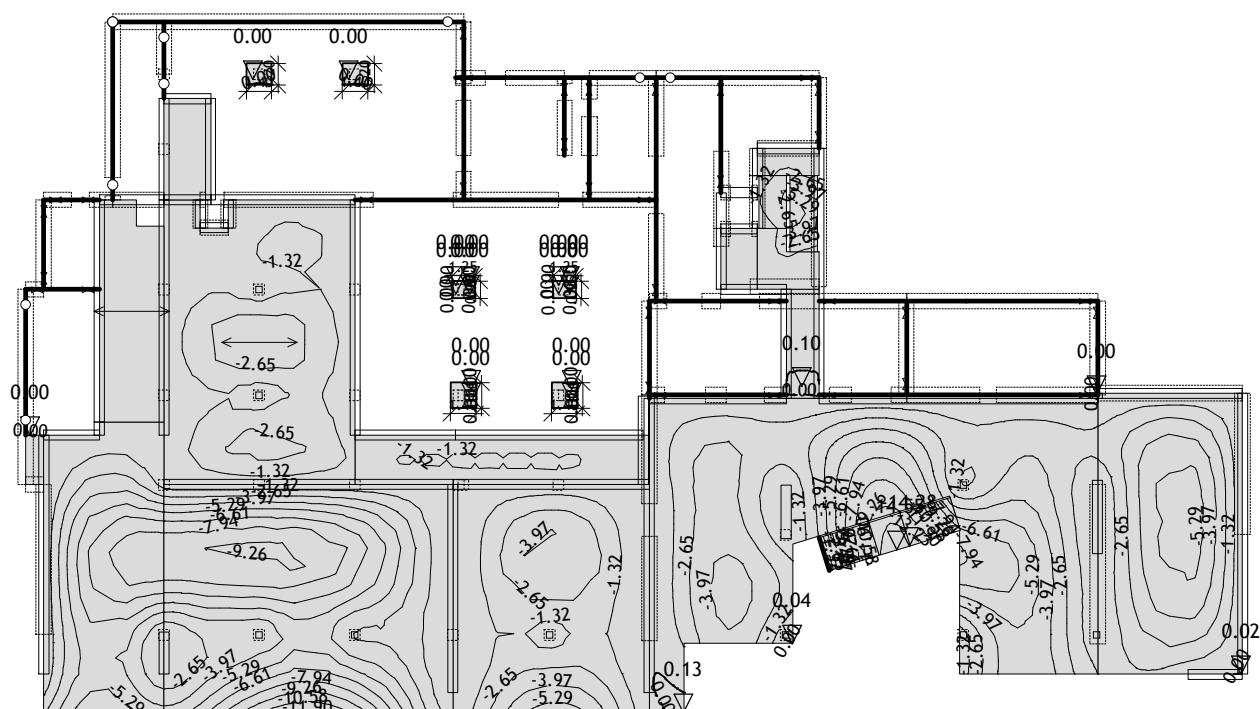
Opt. 4: I+II



Nivo: ETAŽA 000-TEMELJI 2 [0.00 m]

Utjecaji u ploči: max $Z_p = 0.00$ / min $Z_p = -7.66$ m / 1000

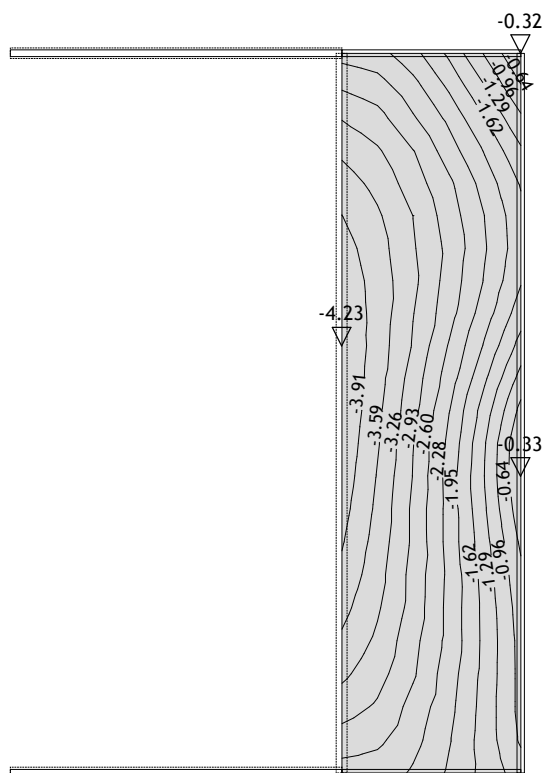
Opt. 4: I+II



Nivo: ETAŽA 100 [3.33 m]

Utjecaji u ploči: max $Z_p = 0.13$ / min $Z_p = -14.55$ m / 1000

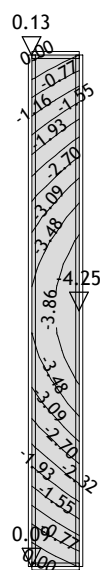
Opt. 4: I+II



Nivo: [7.19 m]

Utjecaji u ploči: max Z_p = -0.32 / min Z_p = -4.23 m / 1000

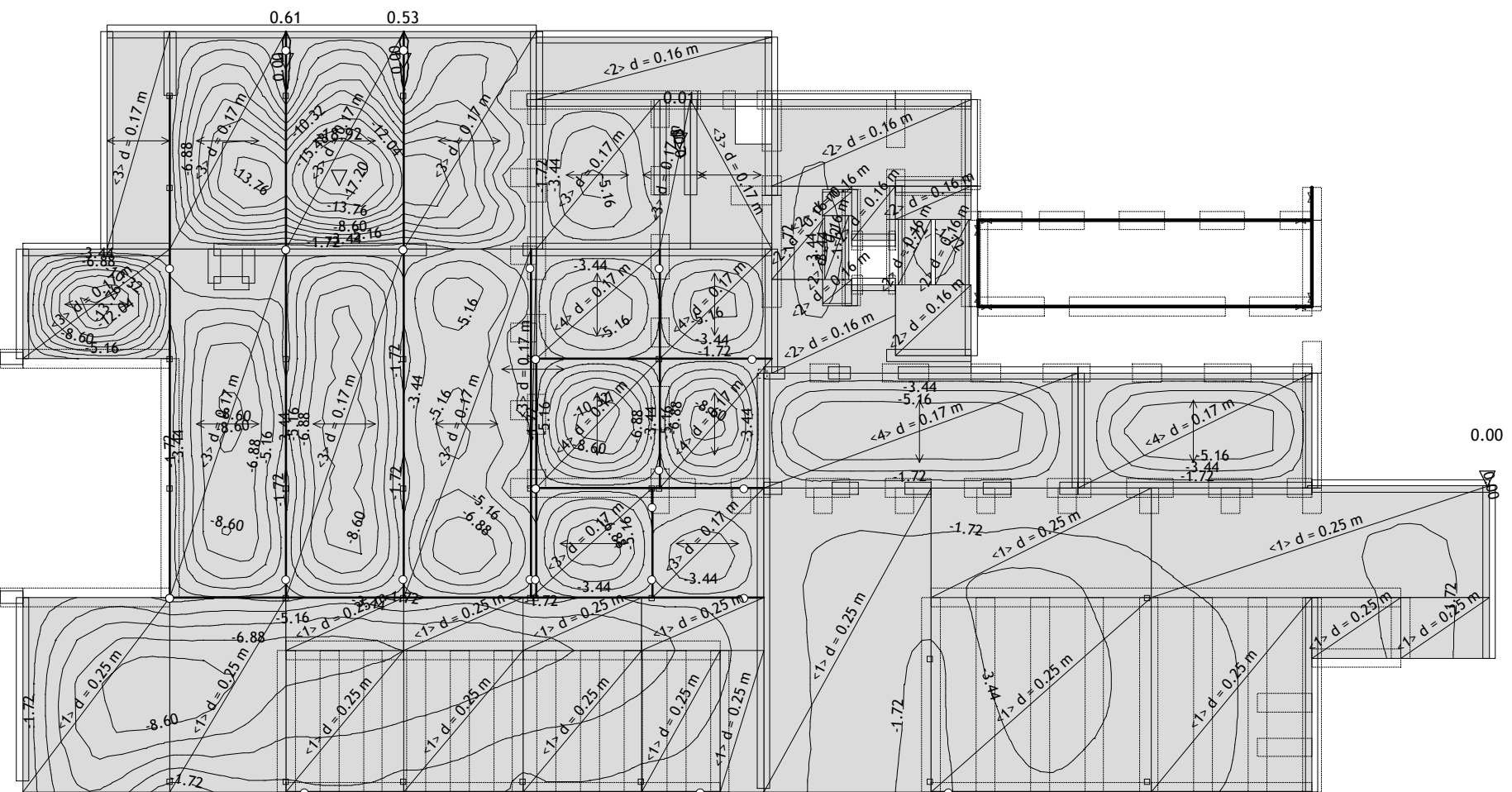
Opt. 4: I+II



Nivo: [9.30 m]

Utjecaji u ploči: max Z_p = 0.13 / min Z_p = -4.25 m / 1000

Opt. 4: I+II



Nivo: ETAŽA 200 [6.86 m]

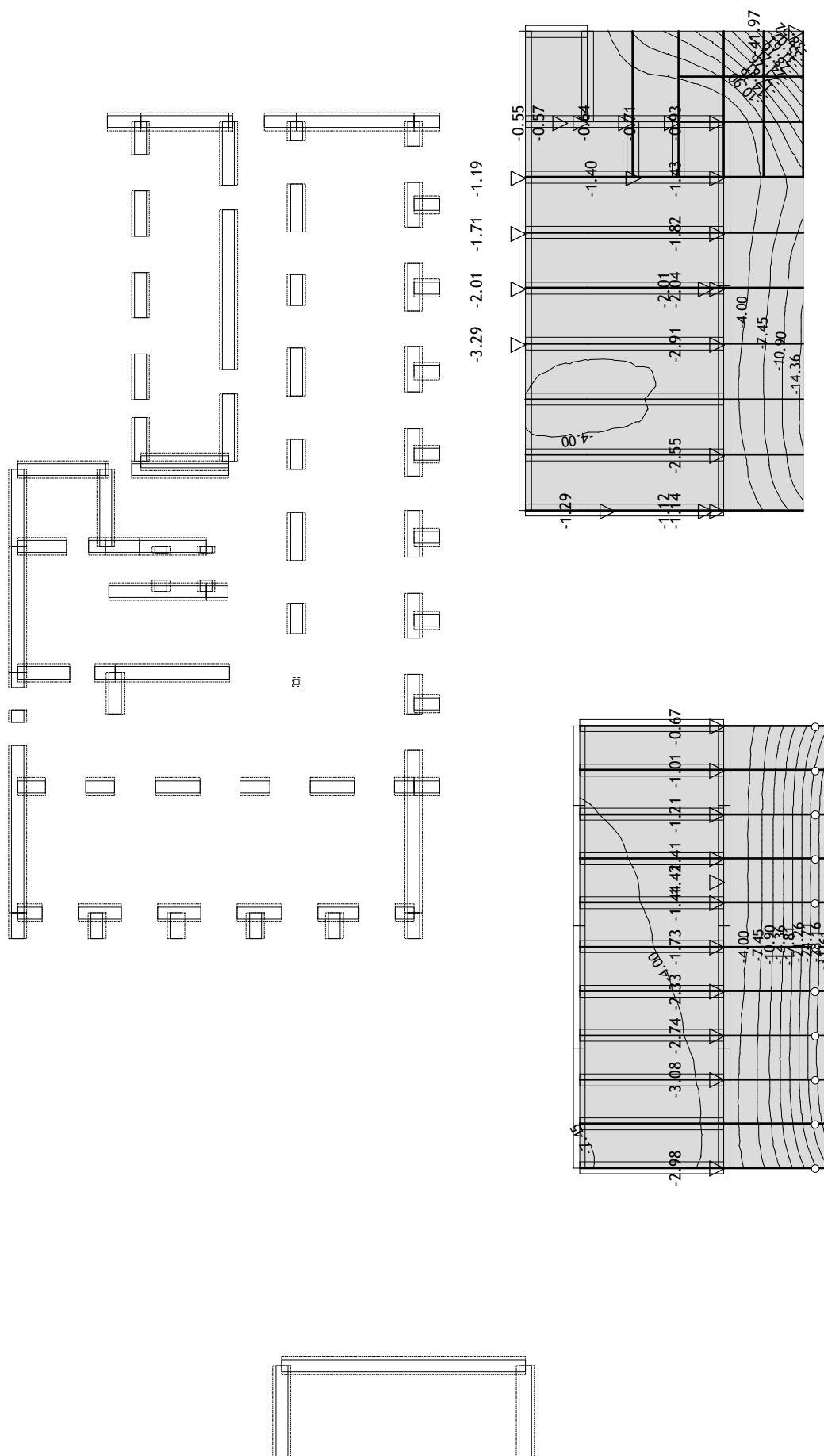
Uljecali u ploči: max Zp= 0.61 / min Zp= -18.92 m / 1000

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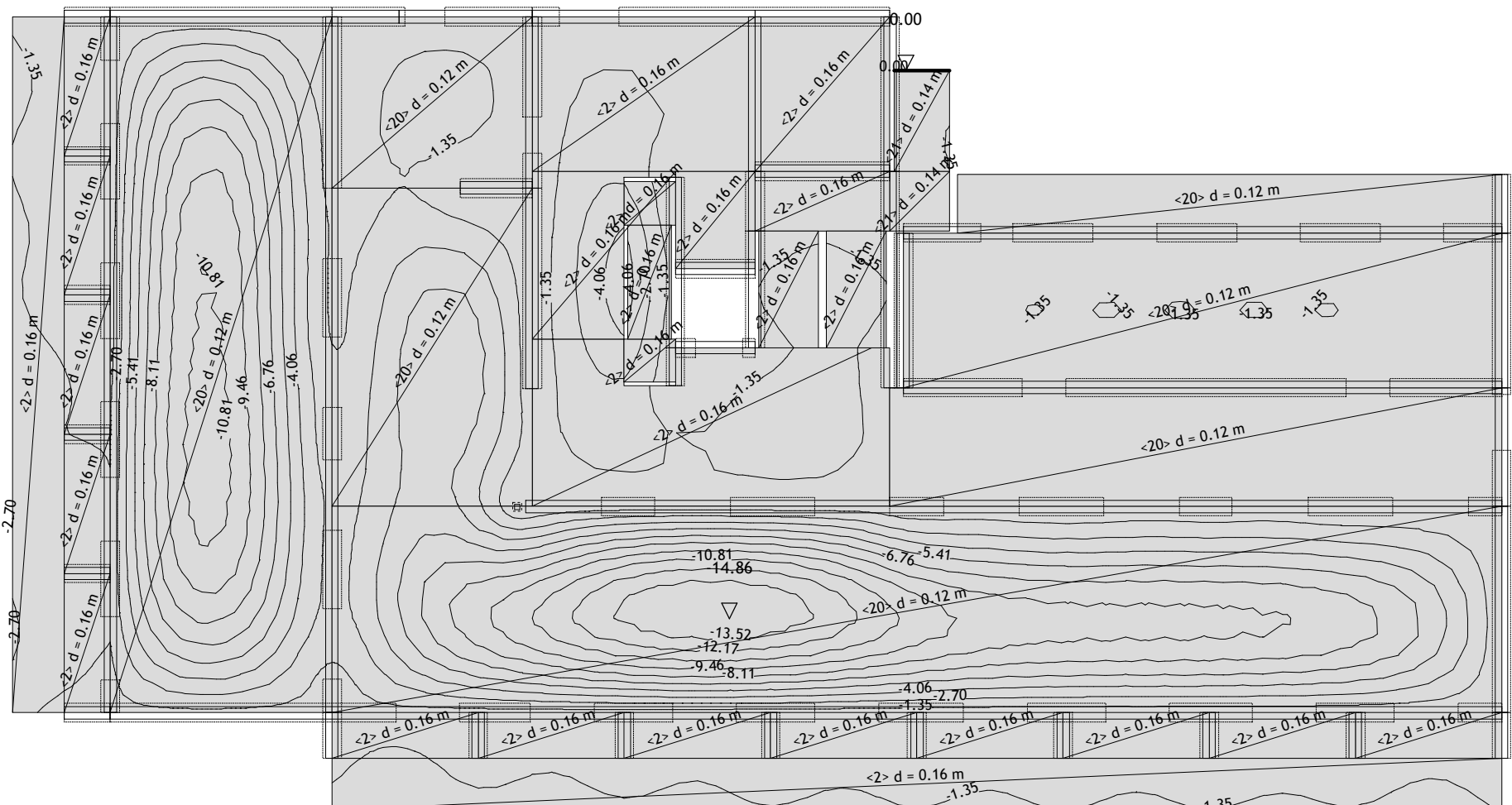
Opt. 4: I+II



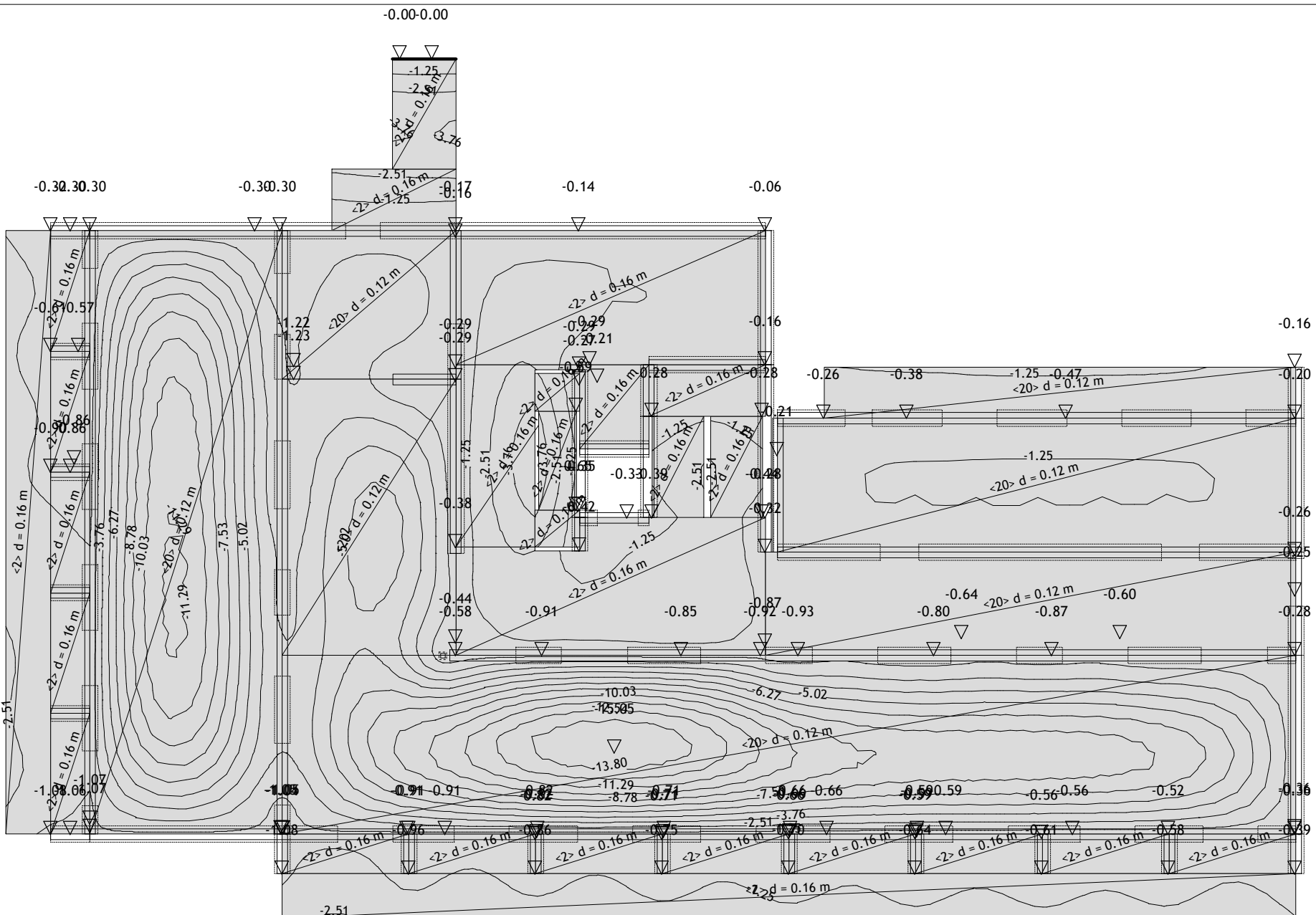
Nivo: ETAŽA 200A [7.62 m]

Utjecaji u ploči: max $Z_p = -0.55$ / min $Z_p = -41.97$ m / 1000

Opt. 4: I+II



Opt. 4: I+II



-0.00-0.00

-0.30-0.30

-0.30-0.30

-0.14

-0.06

-0.16

-0.20

-0.26

-0.25

-0.28

-0.36

-0.29

-2.51

Nivo: ETAŽA 400 [13.23 m]

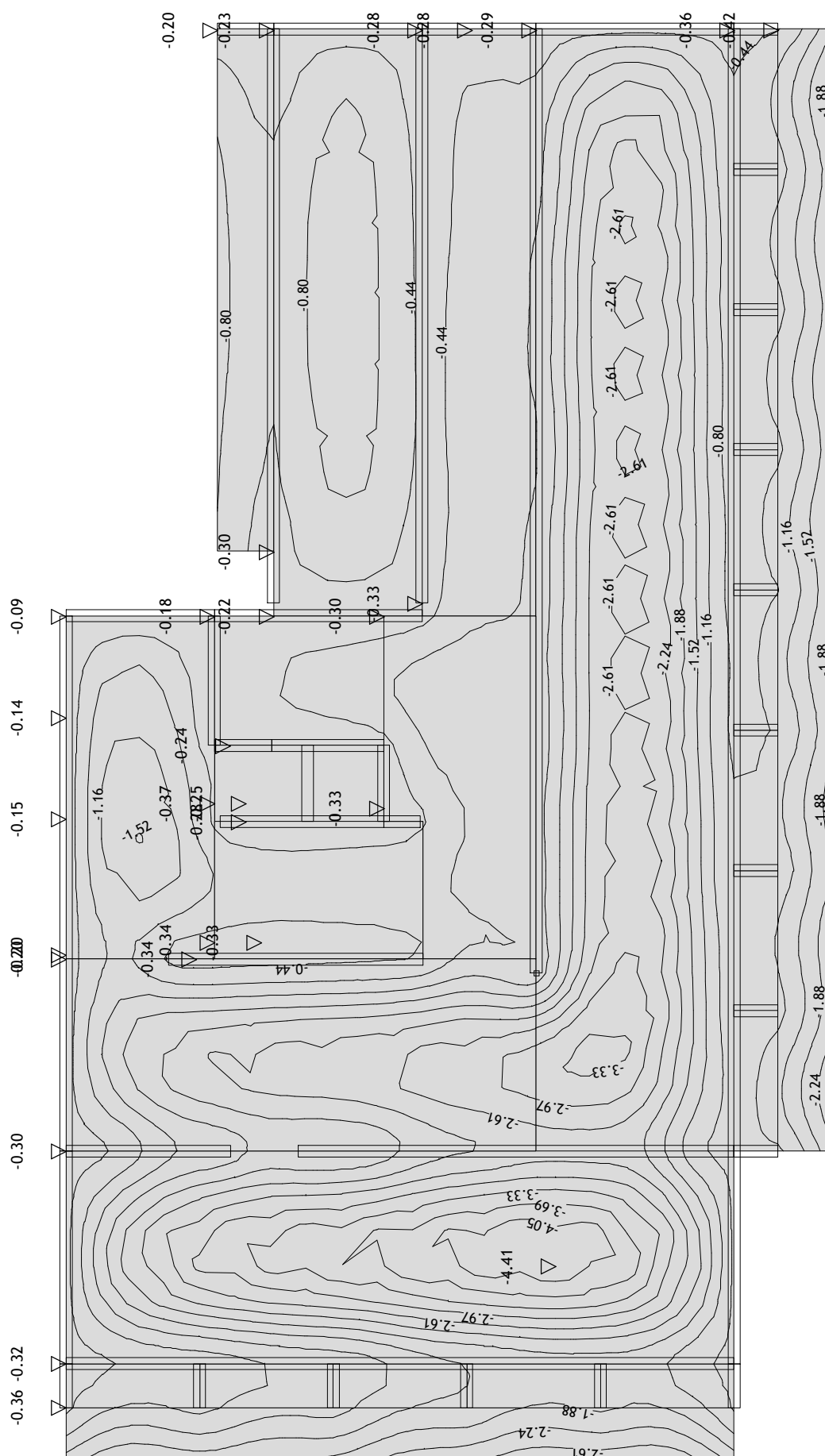
Uljecali u ploči: max Zp= -0.00 / min Zp= -15.05 m / 1000

Tower - 3D Model Builder 7.0 - x64 Edition

Registered to CANOSA INŽENJERING d.o.o.

Radimpex - www.radimpex.rs

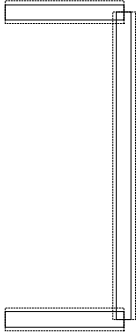
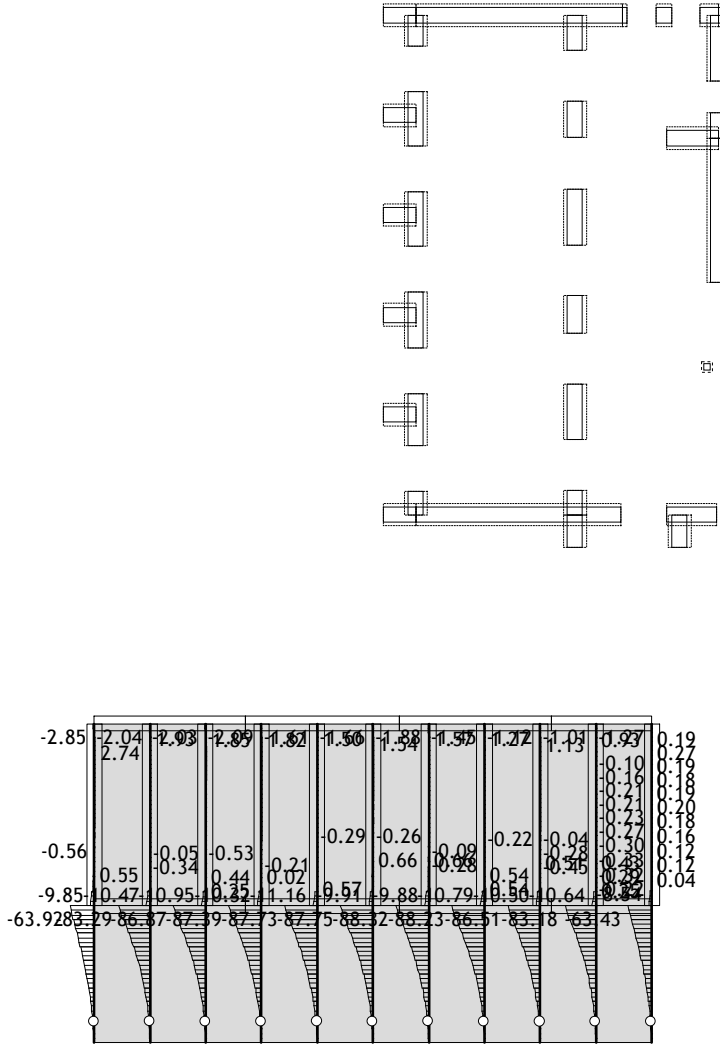
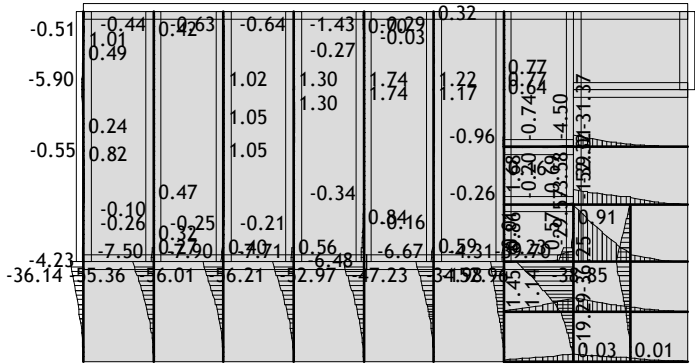
Opt. 4: I+II



Nivo: ETAŽA 500 [16.46 m]

Utjecaji u ploči: max $Z_p = -0.09$ / min $Z_p = -4.41$ m / 1000

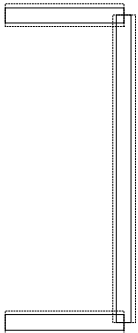
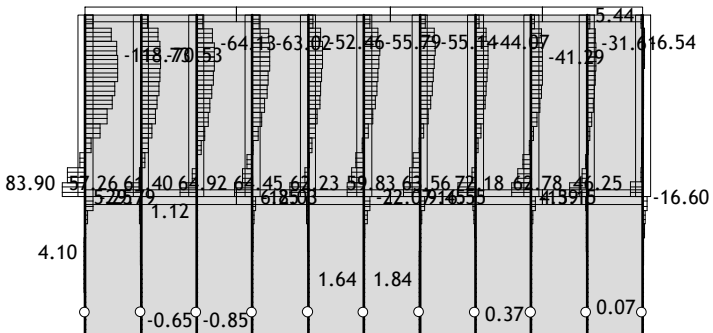
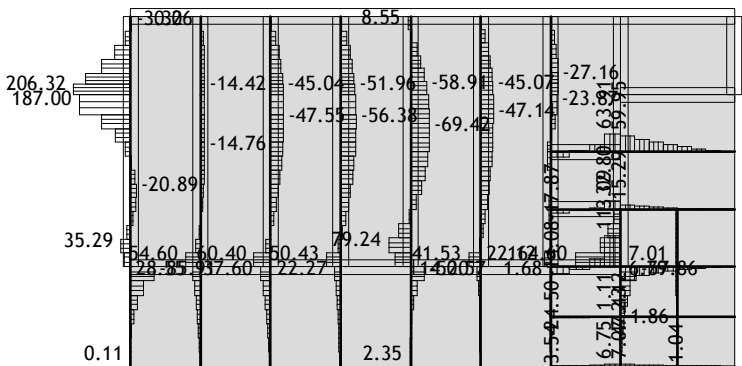
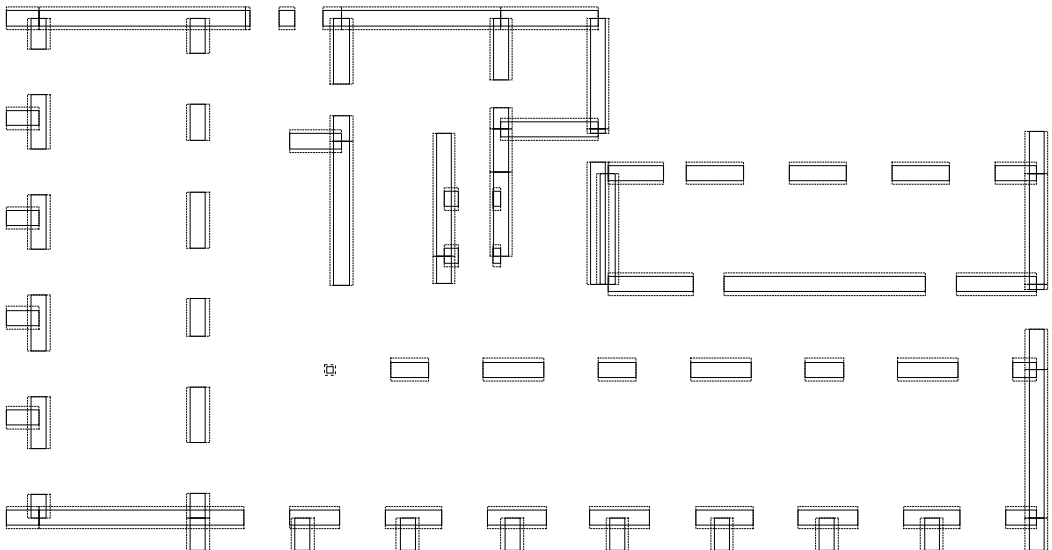
Opt. 4: I+II



Nivo: ETAŽA 200A [7.62 m]

Uljecali u gredi: max M3= 2.74 / min M3= -152.96 kNm

Opt. 4: I+II



Nivo: ETAŽA 200A [7.62 m]

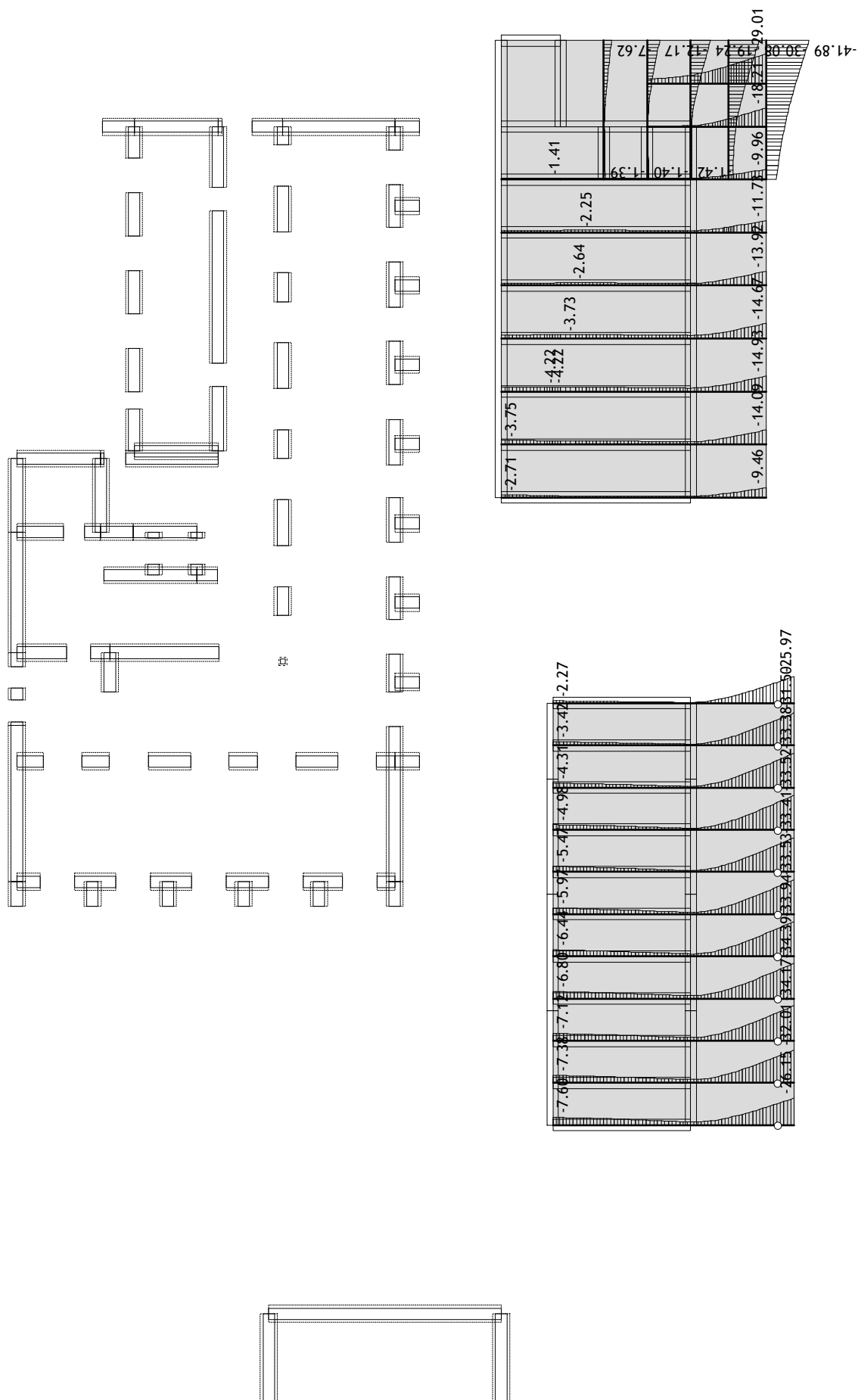
Uljecali u gredi: max N1= 206.32 / min N1= -118.73 kN

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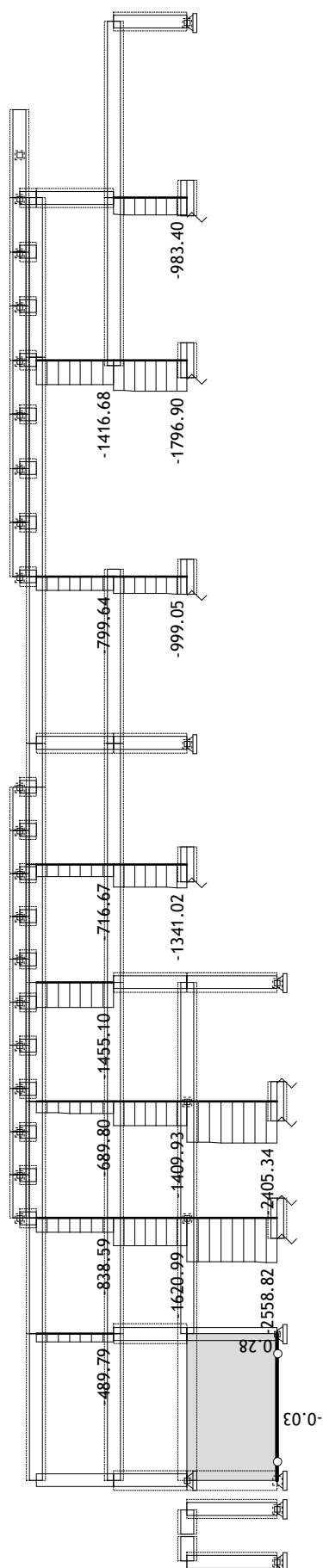
Opt. 4: I+II



Nivo: ETAŽA 200A [7.62 m]

Utjecaji u gredi: max $Z_p = -0.64$ / min $Z_p = -41.89$ m / 1000

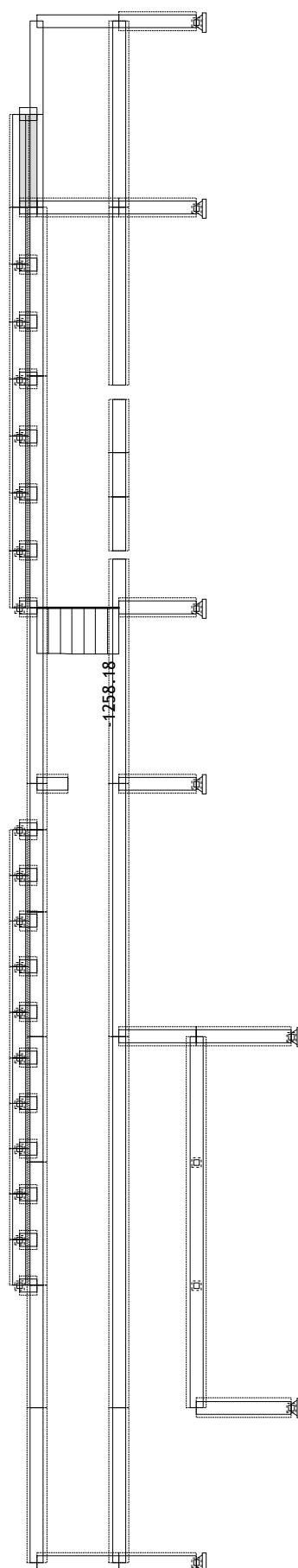
Opt. 3: 1.35xl+1.5xII



Okvir: H_6

Utjecaji u gredi: max N1= 0.28 / min N1= -2558.82 kN

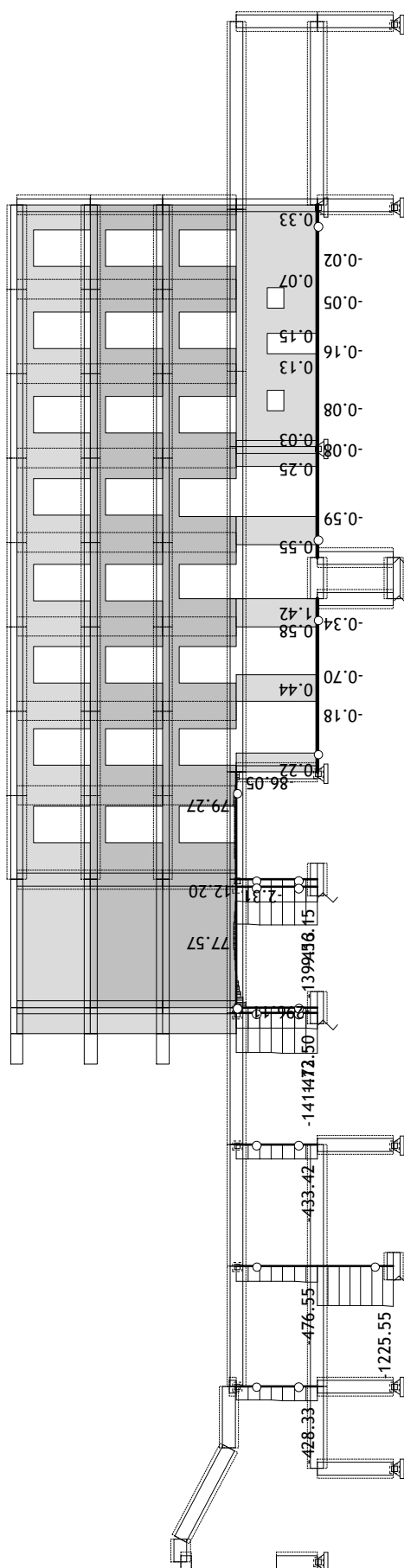
Opt. 3: 1.35xl+1.5xII



Okvir: H_10

Utjecaji u gredi: max N1= -1243.21 / min N1= -1258.18 kN

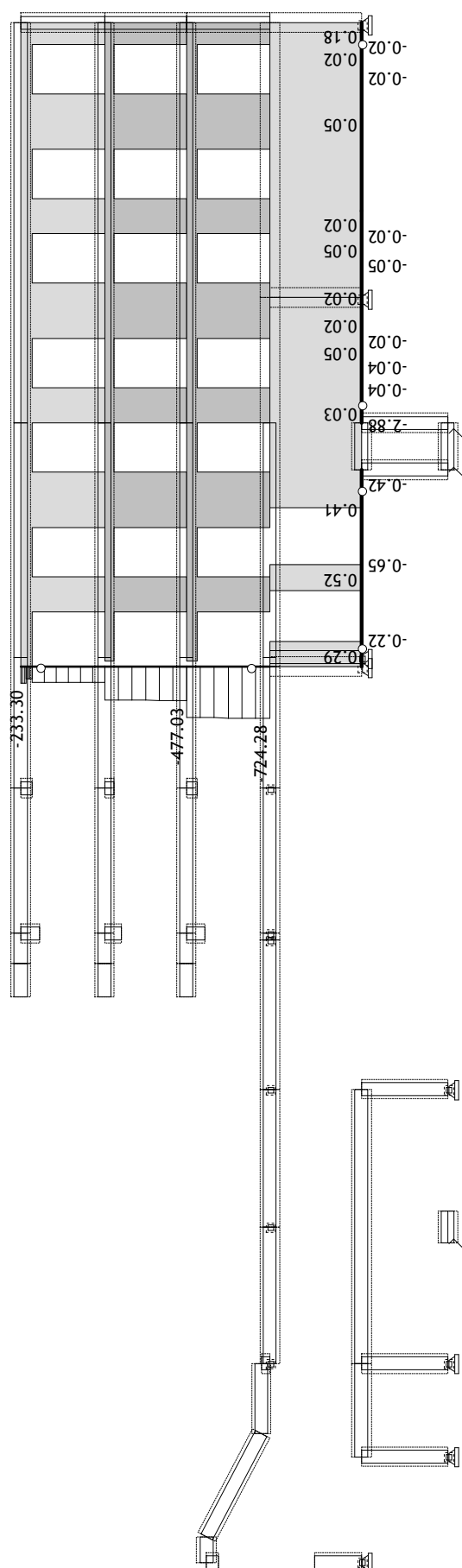
Opt. 3: 1.35xl+1.5xII



Okvir: H_15

Utjecaji u gredi: max N1= 79.27 / min N1= -1411.12 kN

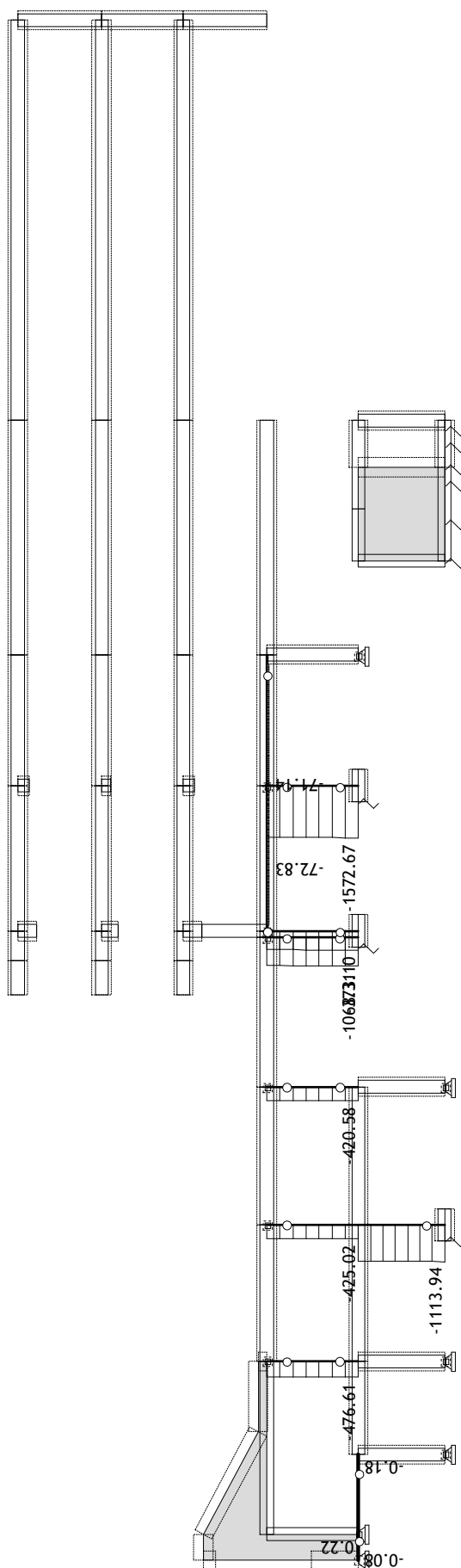
Opt. 3: 1.35xl+1.5xII



Okvir: H_18

Utjecaji u gredi: max N1= 0.52 / min N1= -724.28 kN

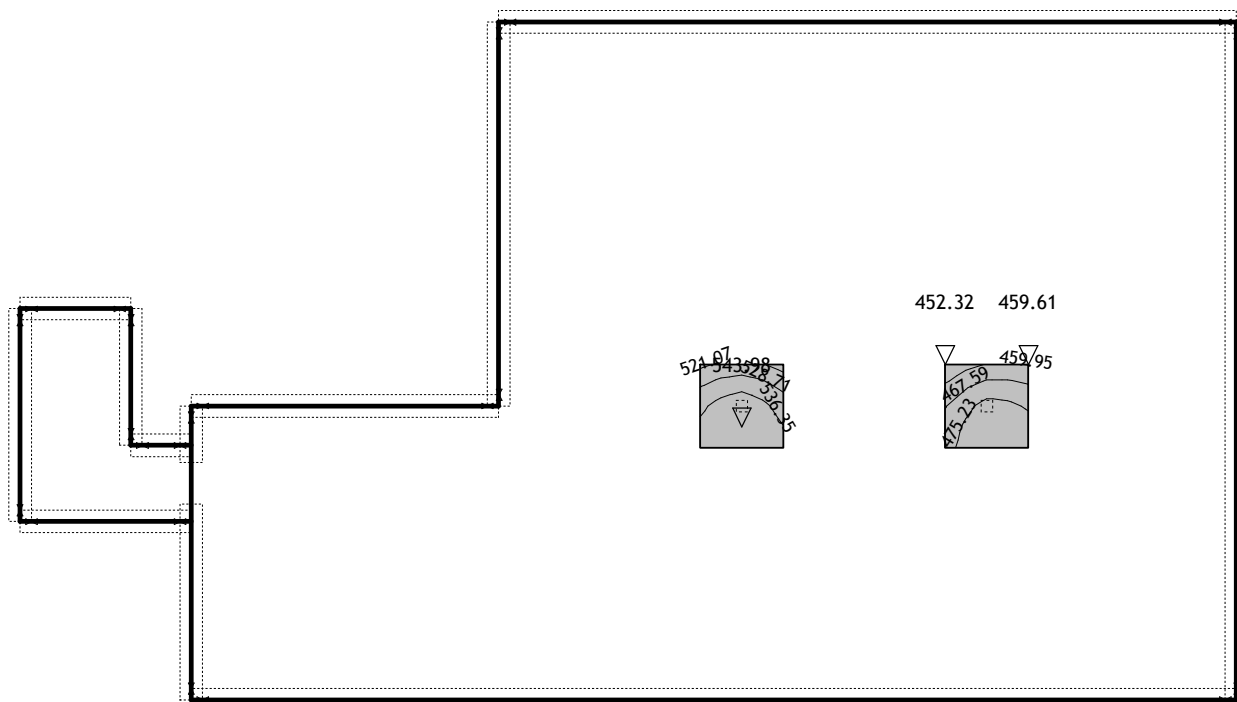
Opt. 3: 1.35xl+1.5xII



Okvir: H_19

Utjecaji u gredi: max N1= 0.22 / min N1= -1572.67 kN

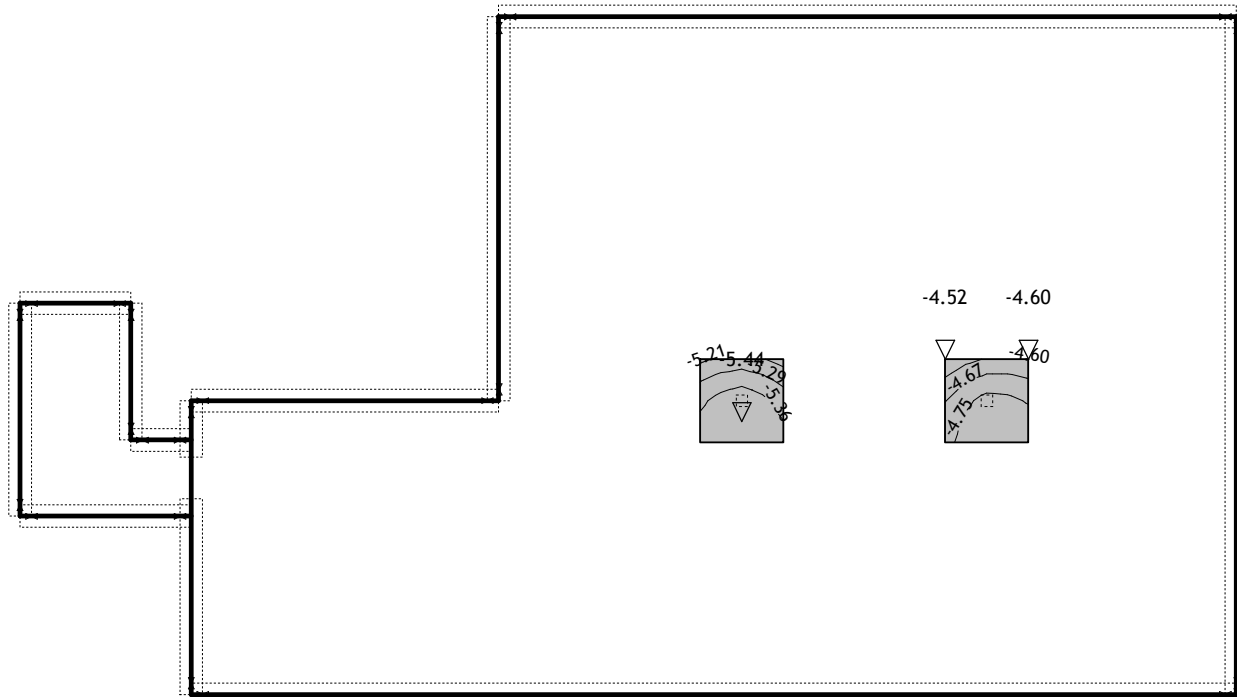
Opt. 16: I+II



Nivo: TEMELJI 1 [-4.09 m]

Utjecaji u pov. ležaju: max σ_{tla} = 543.98 / min σ_{tla} = 452.32 kN/m²

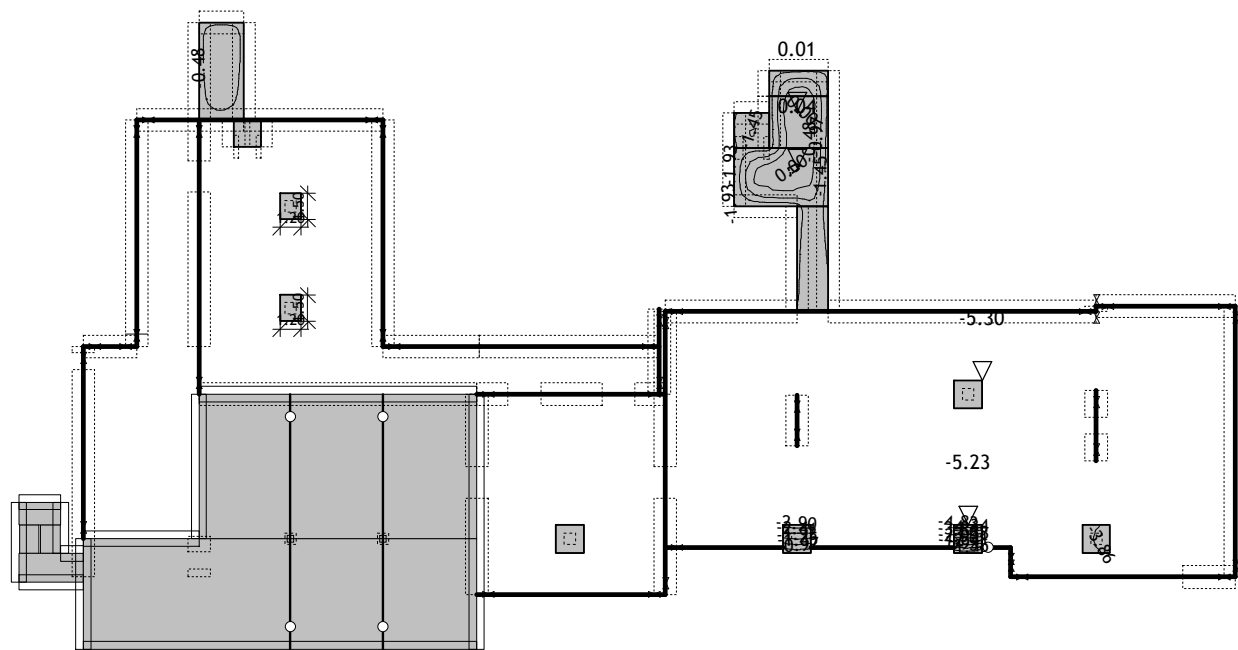
Opt. 16: I+II



Nivo: TEMELJI 1 [-4.09 m]

Utjecaji u pov. ležaju: max σ_{tla} = -4.52 / min σ_{tla} = -5.44 m / 1000

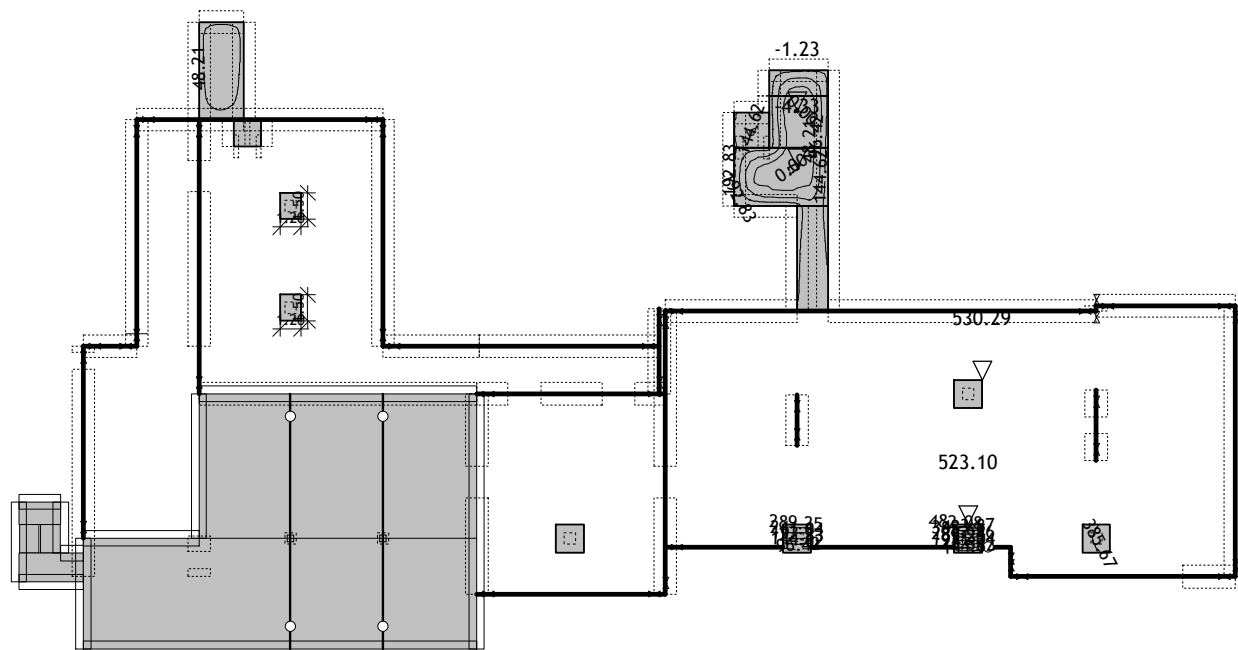
Opt. 16: I+II



Nivo: ETAŽA 000-TEMELJI 2 [0.00 m]

Utjecaji u pov. ležaju: $\max s_{tla} = 0.04$ / $\min s_{tla} = -5.30$ m / 1000

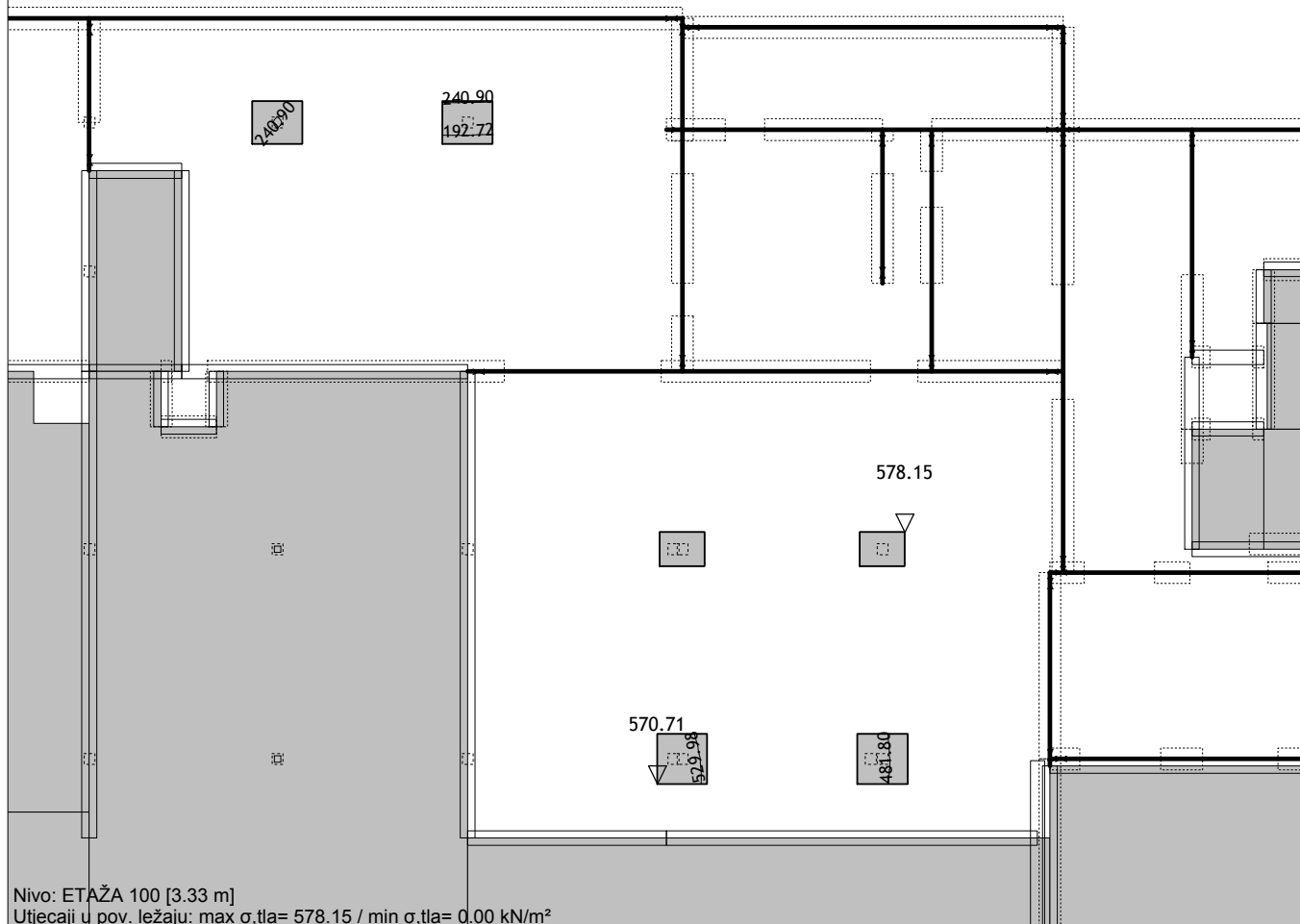
Opt. 16: I+II



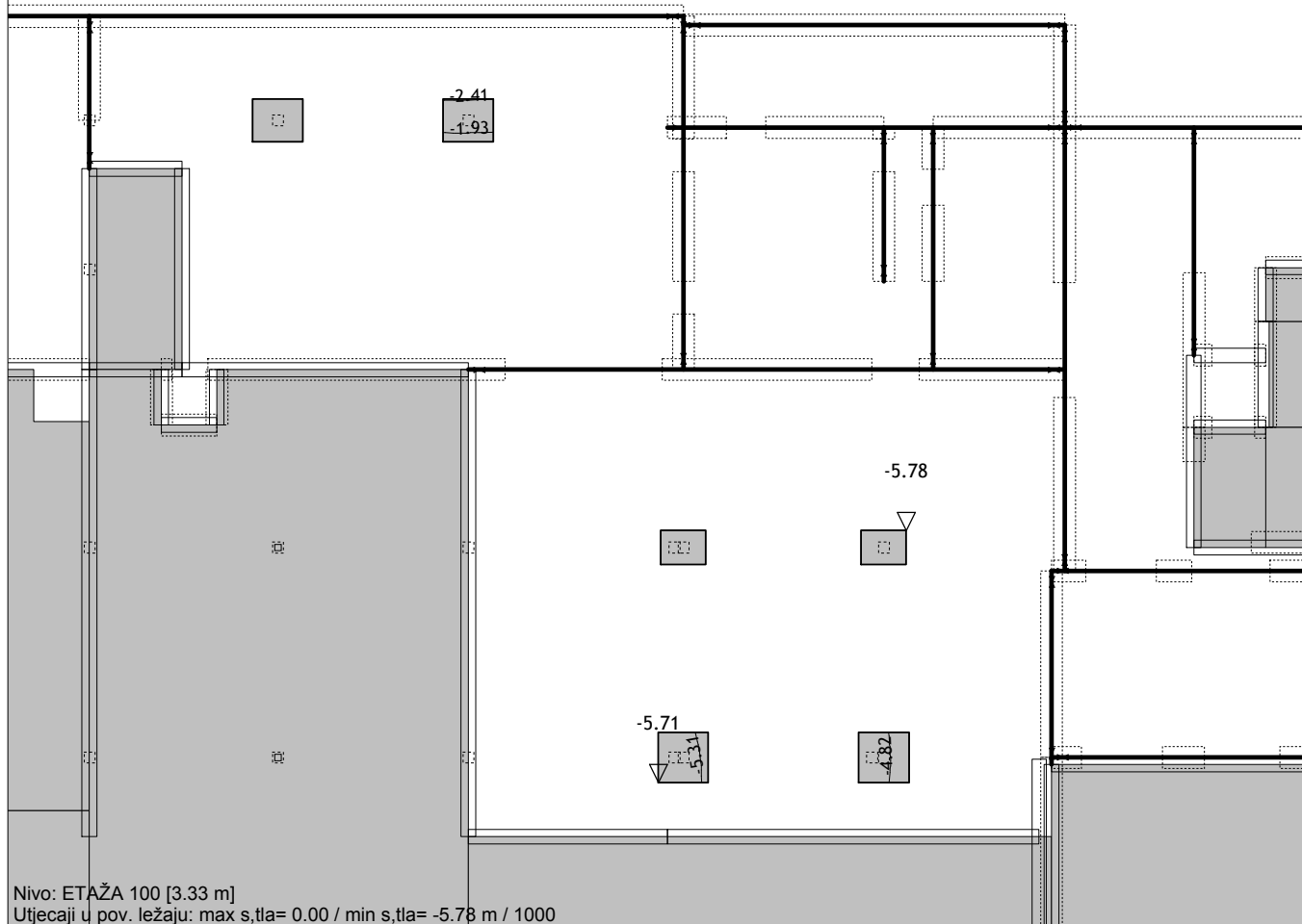
Nivo: ETAŽA 000-TEMELJI 2 [0.00 m]

Utjecaji u pov. ležaju: $\max \sigma_{tla} = 530.29$ / $\min \sigma_{tla} = -4.33$ kN/m²

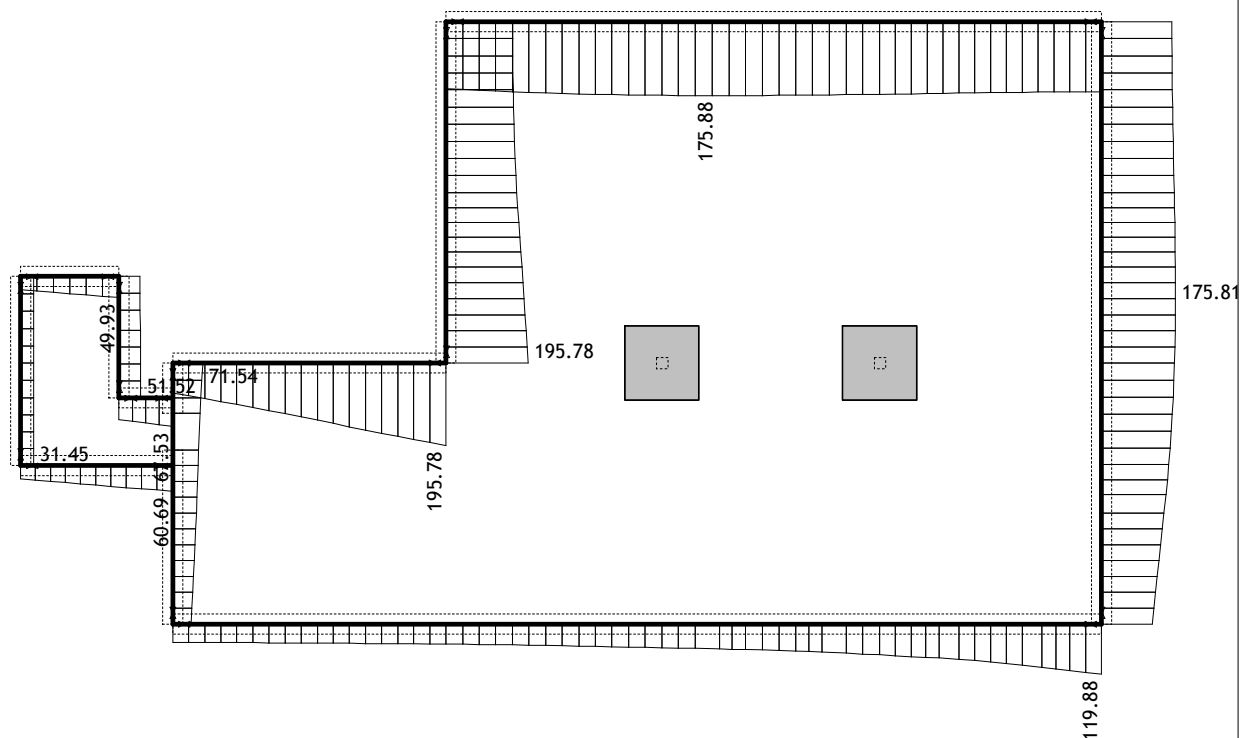
Opt. 16: I+II



Opt. 16: I+II



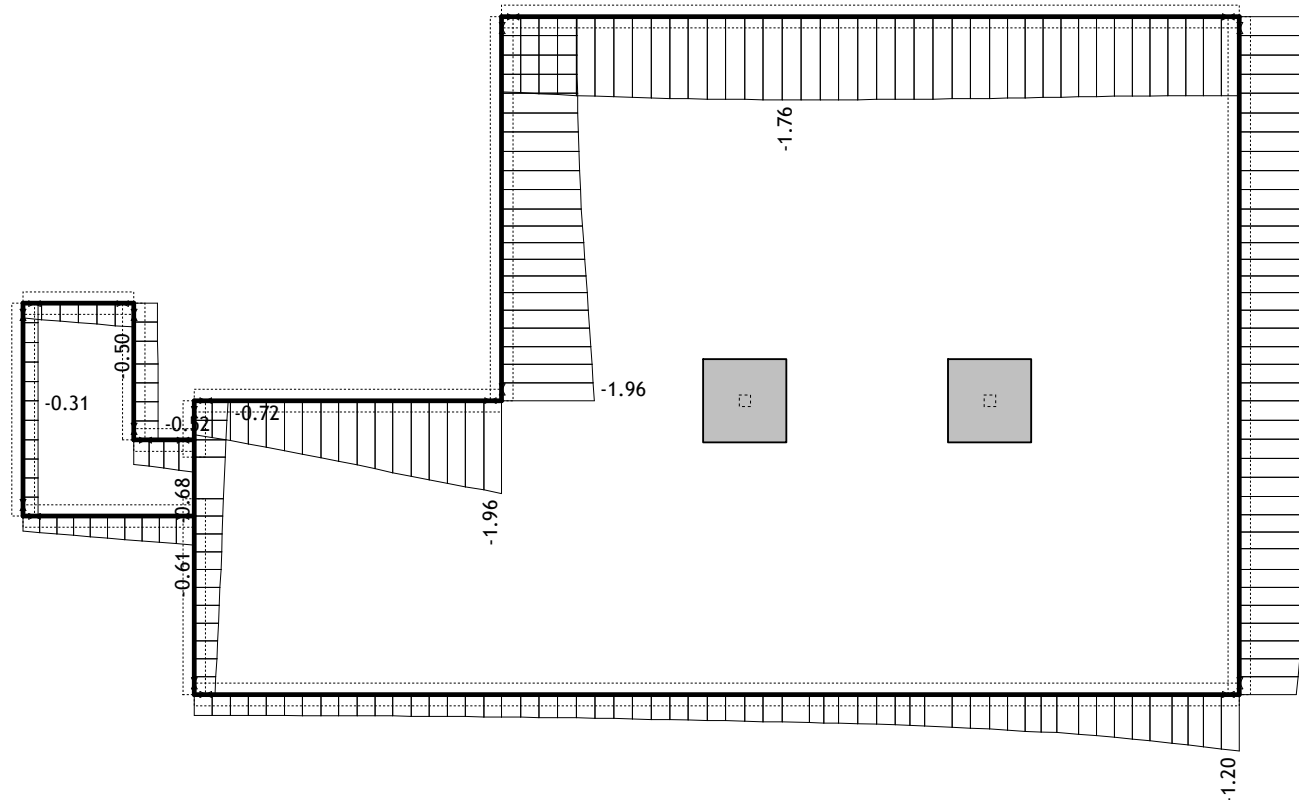
Opt. 16: I+II



Nivo: TEMELJI 1 [-4.09 m]

Utjecaji u lin. ležaju: max σ_{tla} = 195.78 / min σ_{tla} = 31.31 kN/m²

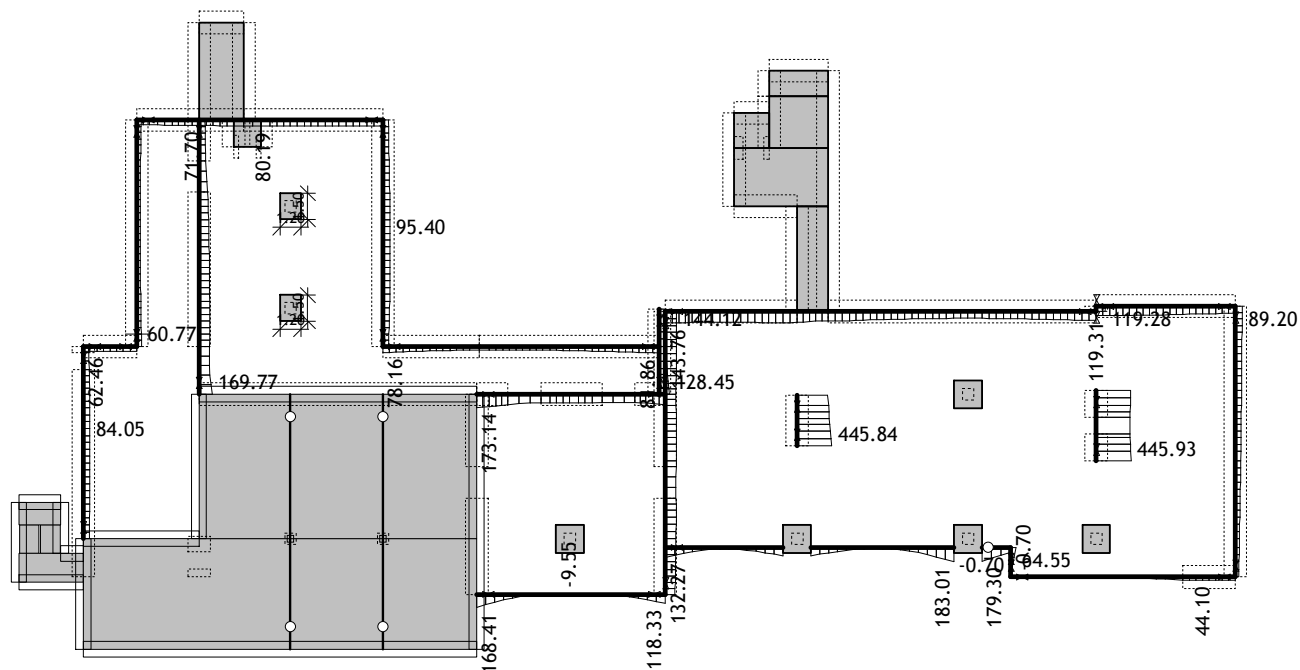
Opt. 16: I+II



Nivo: TEMELJI 1 [-4.09 m]

Utjecaji u lin. ležaju: max s_{tla} = -0.31 / min s_{tla} = -1.96 m / 1000

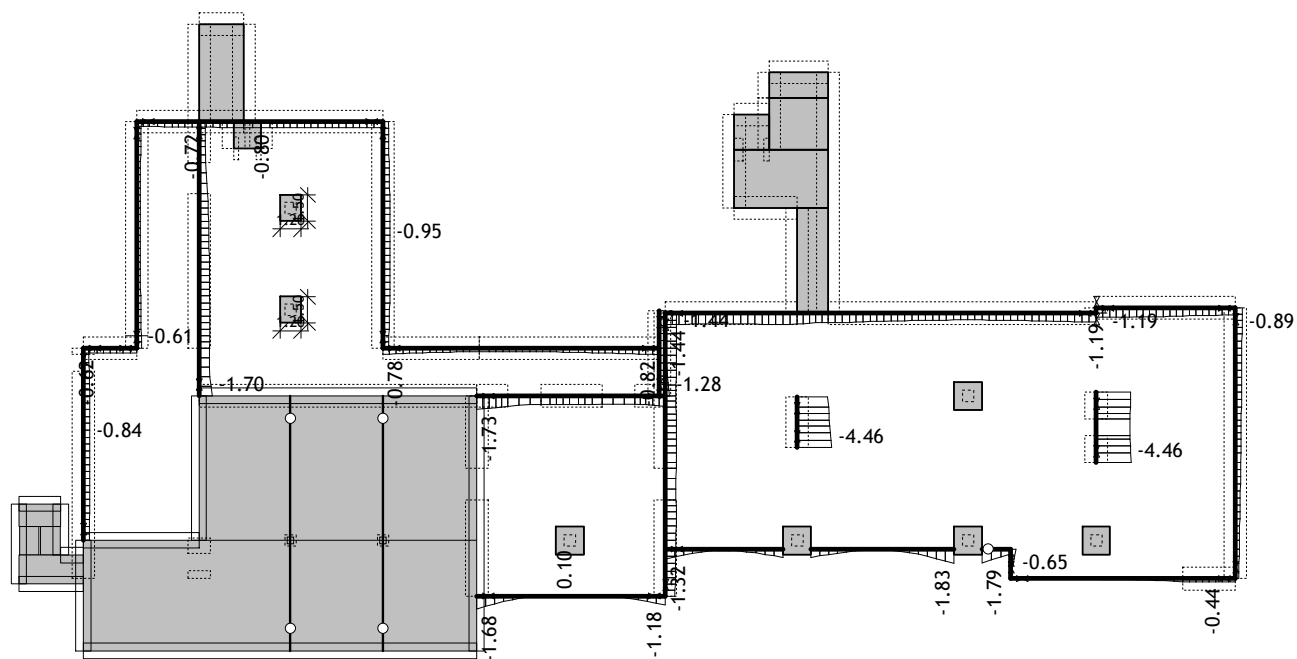
Opt. 16: I+II



Nivo: ETAŽA 000-TEMELJI 2 [0.00 m]

Utjecaji u lin. ležaju: max σ_{tla} = 445.93 / min σ_{tla} = -9.55 kN/m²

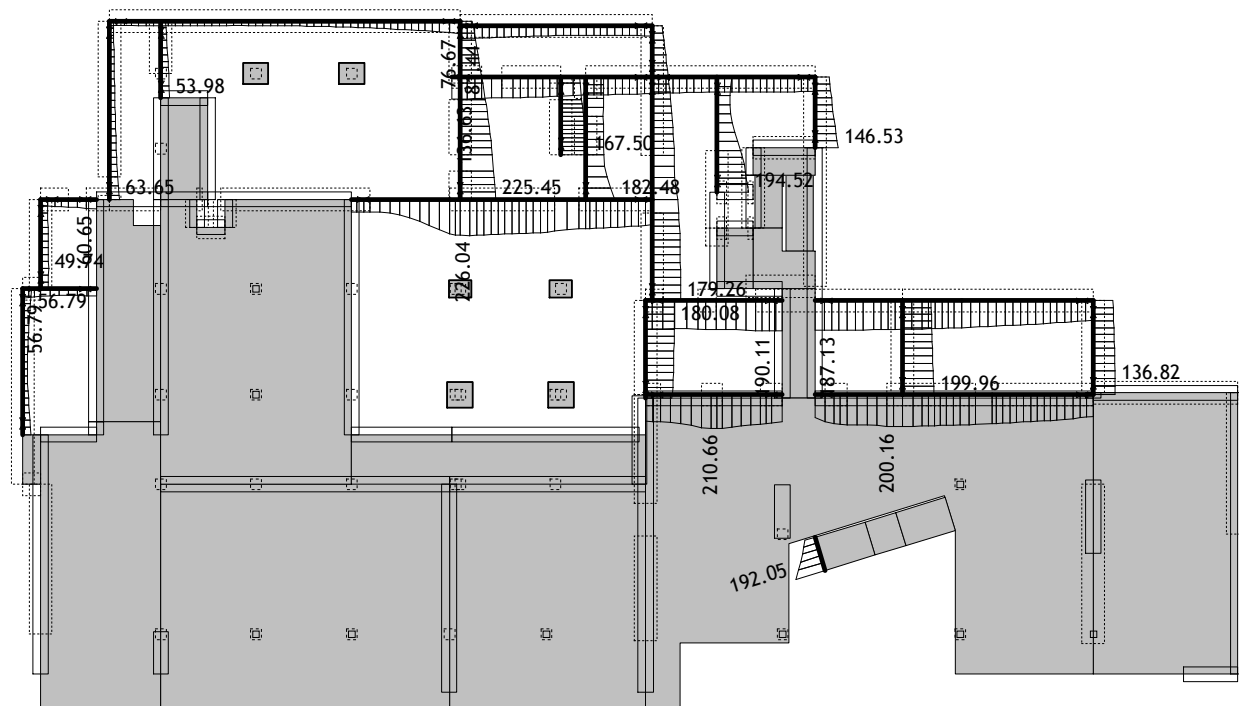
Opt. 16: I+II



Nivo: ETAŽA 000-TEMELJI 2 [0.00 m]

Utjecaji u lin. ležaju: max s_{tla} = 0.10 / min s_{tla} = -4.46 m / 1000

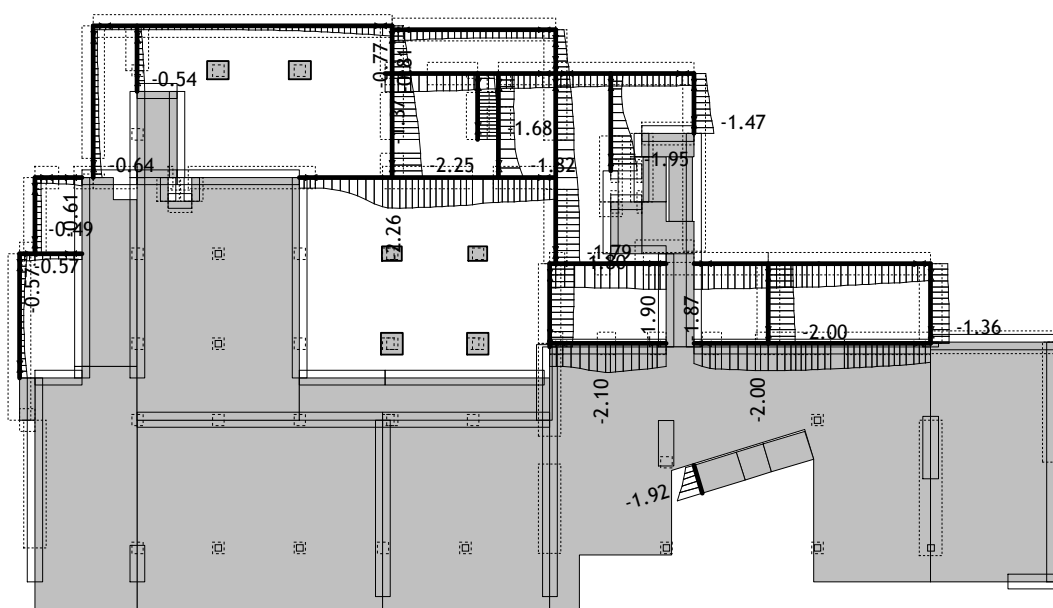
Opt. 16: I+II



Nivo: ETAŽA 100 [3.33 m]

Utjecaji u lin. ležaju: max σ_{tla} = 226.04 / min σ_{tla} = 26.25 kN/m²

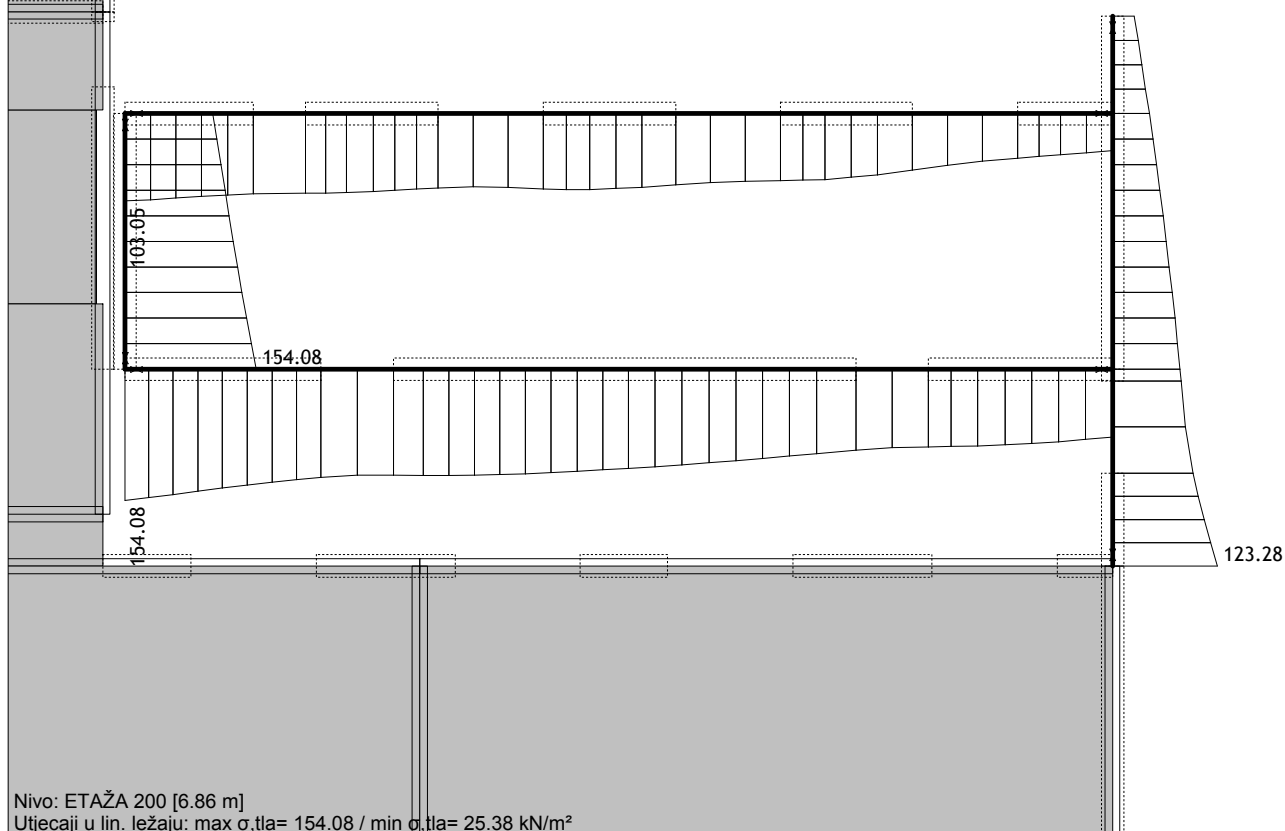
Opt. 16: I+II



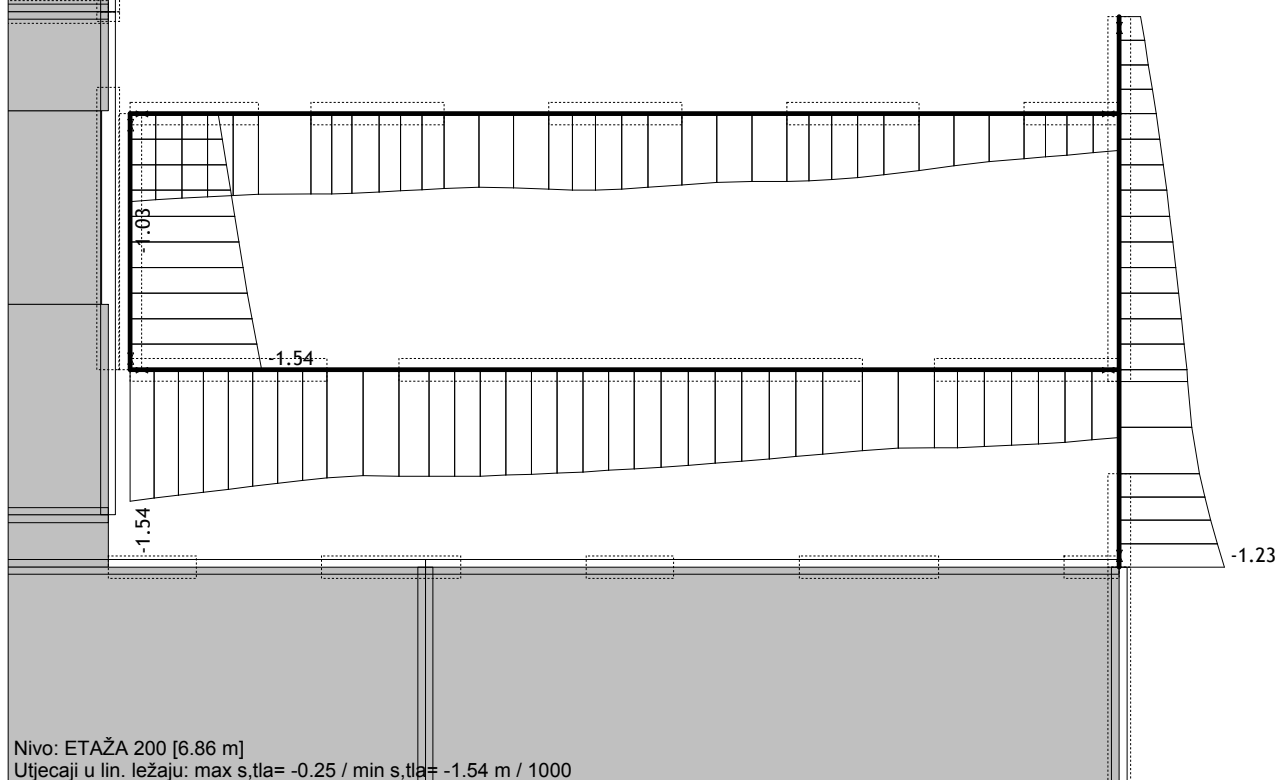
Nivo: ETAŽA 100 [3.33 m]

Utjecaji u lin. ležaju: max s_{tla} = -0.26 / min s_{tla} = -2.26 m / 1000

Opt. 16: I+I

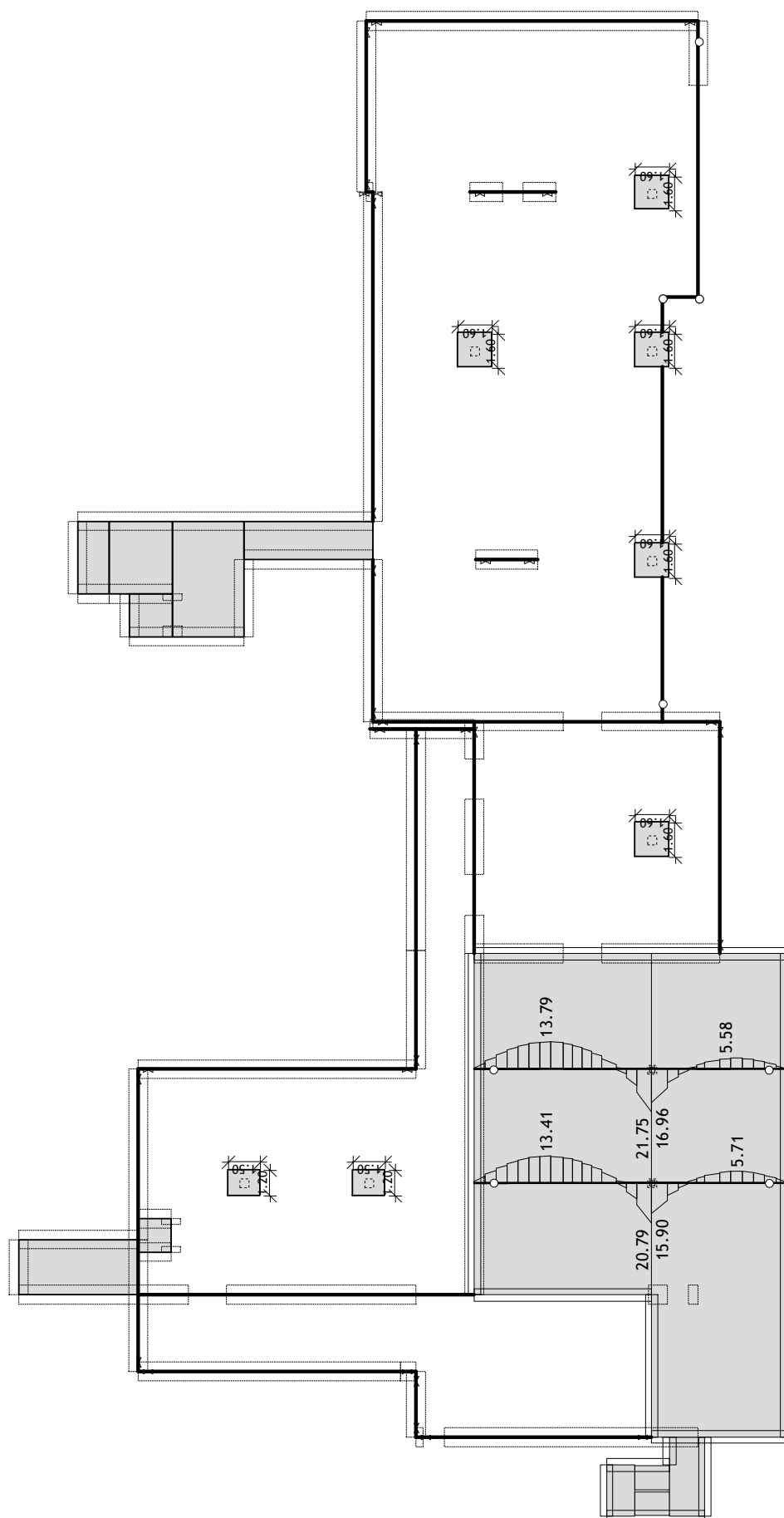


Opt. 16: I+I



Dimenzioniranje (beton)

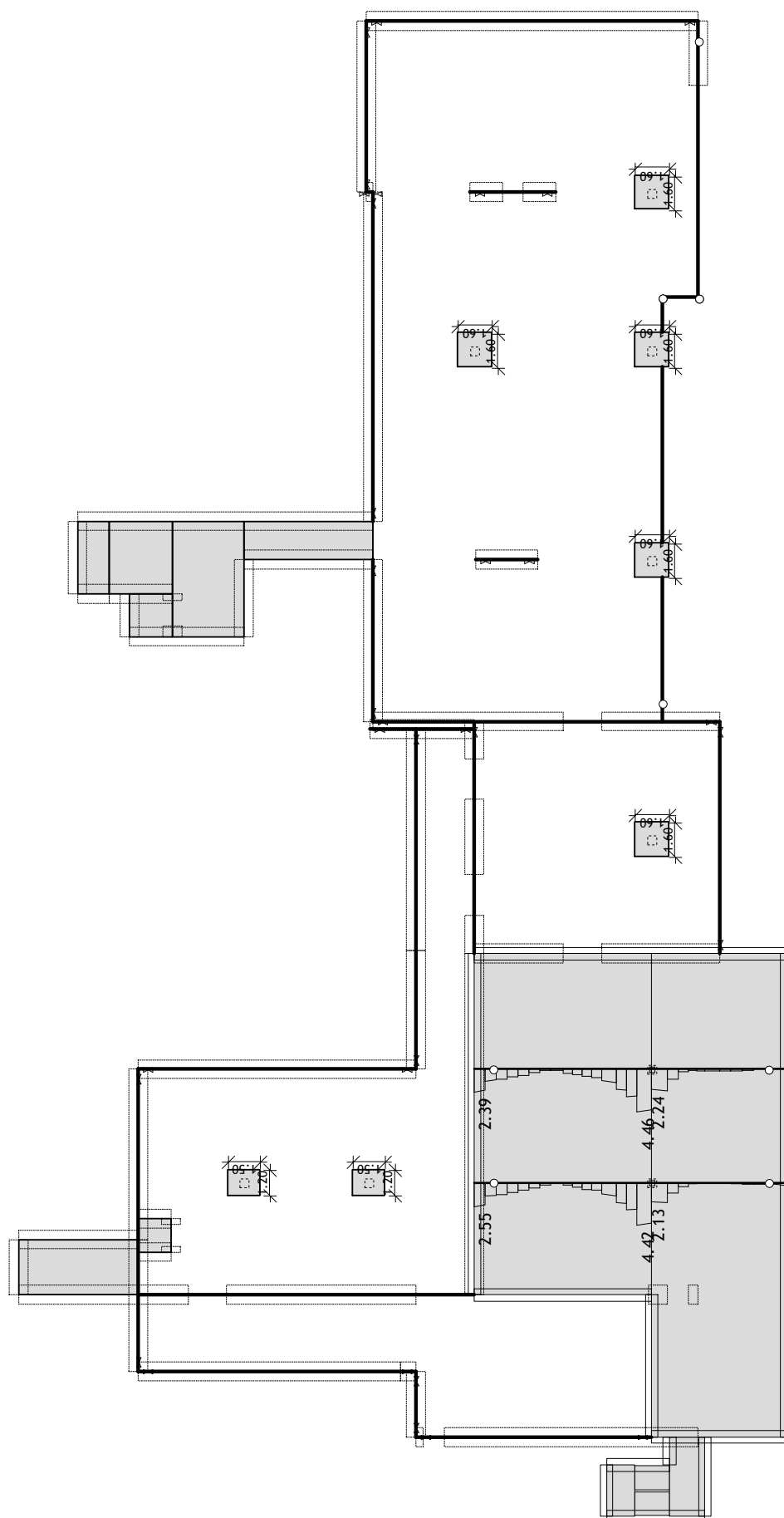
TPBK, C 25, B500B



Nivo: ETAŽA 000-TEMELJI 2 [0.00 m]

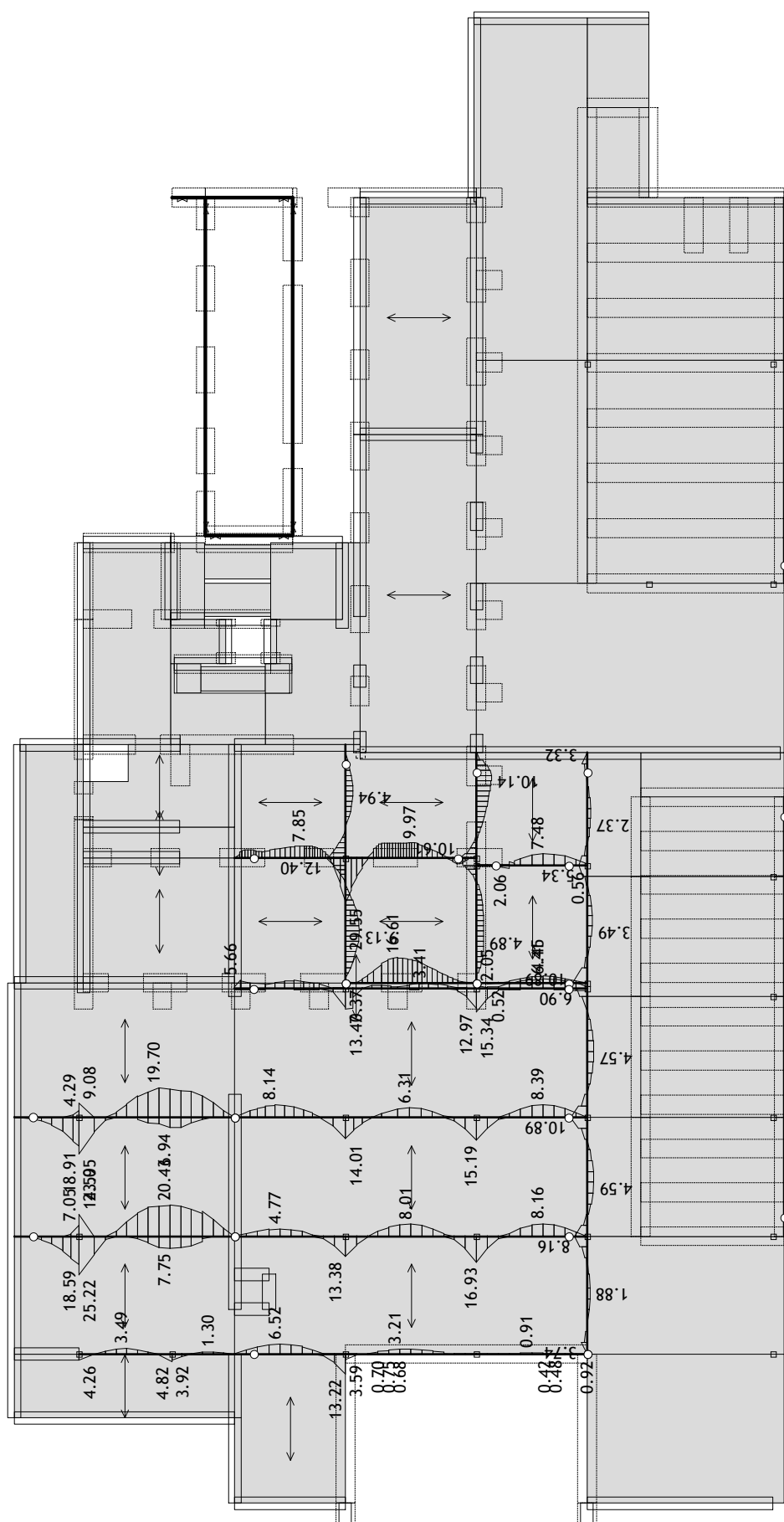
Armatura u gredama: max Aa2/Aa1= 21.75 cm²

TPBK, C 25, B500B



Nivo: ETAŽA 000-TEMELJI 2 [0.00 m]
Armatura u gredama: max $A_{sw} = 4.46 \text{ cm}^2$

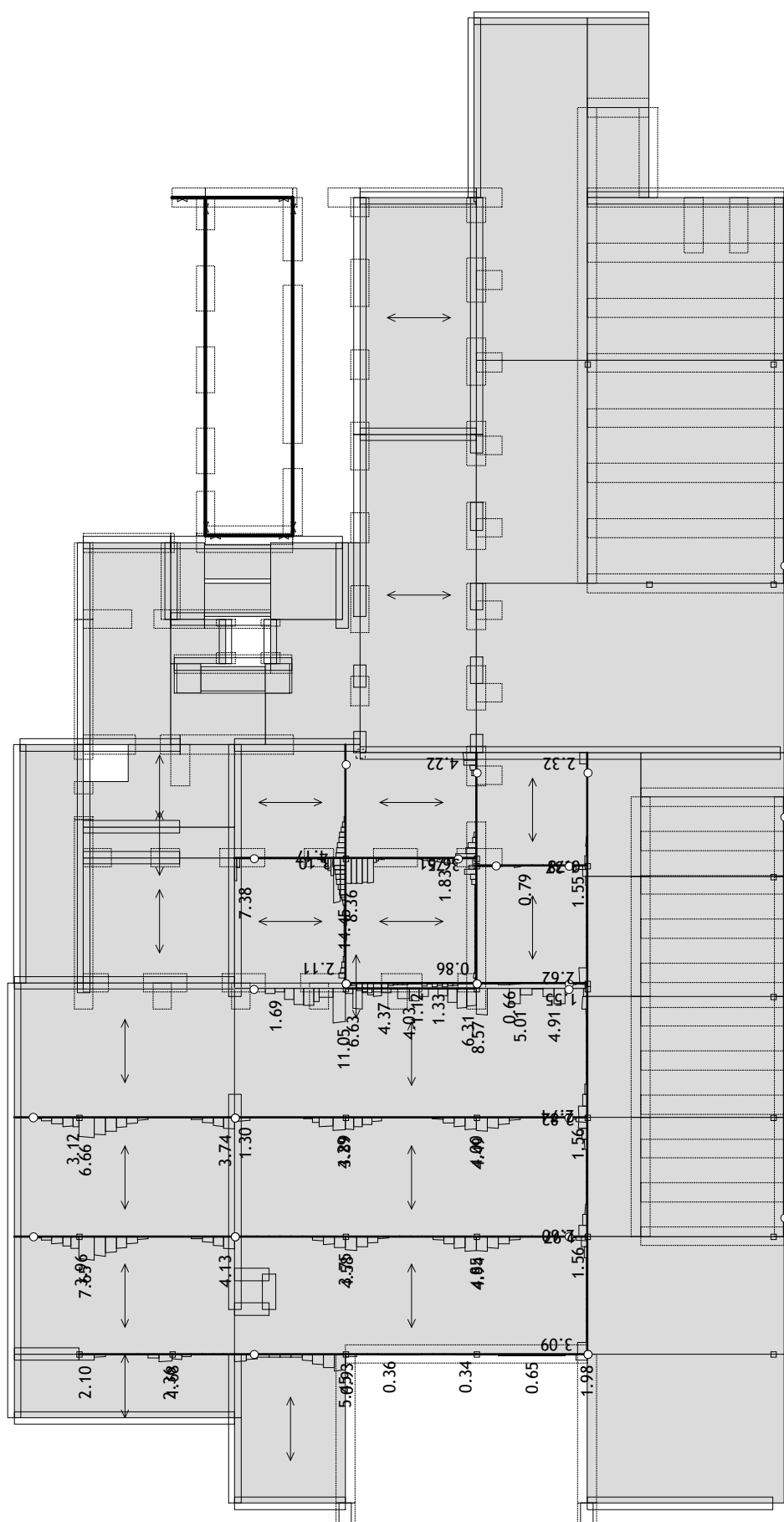
TPBK, C 25/30, B500B



Nivo: ETAŽA 200 [6.86 m]

Armatura u gredama: $\max A_{a2}/A_{a1} = 29.55 \text{ cm}^2$

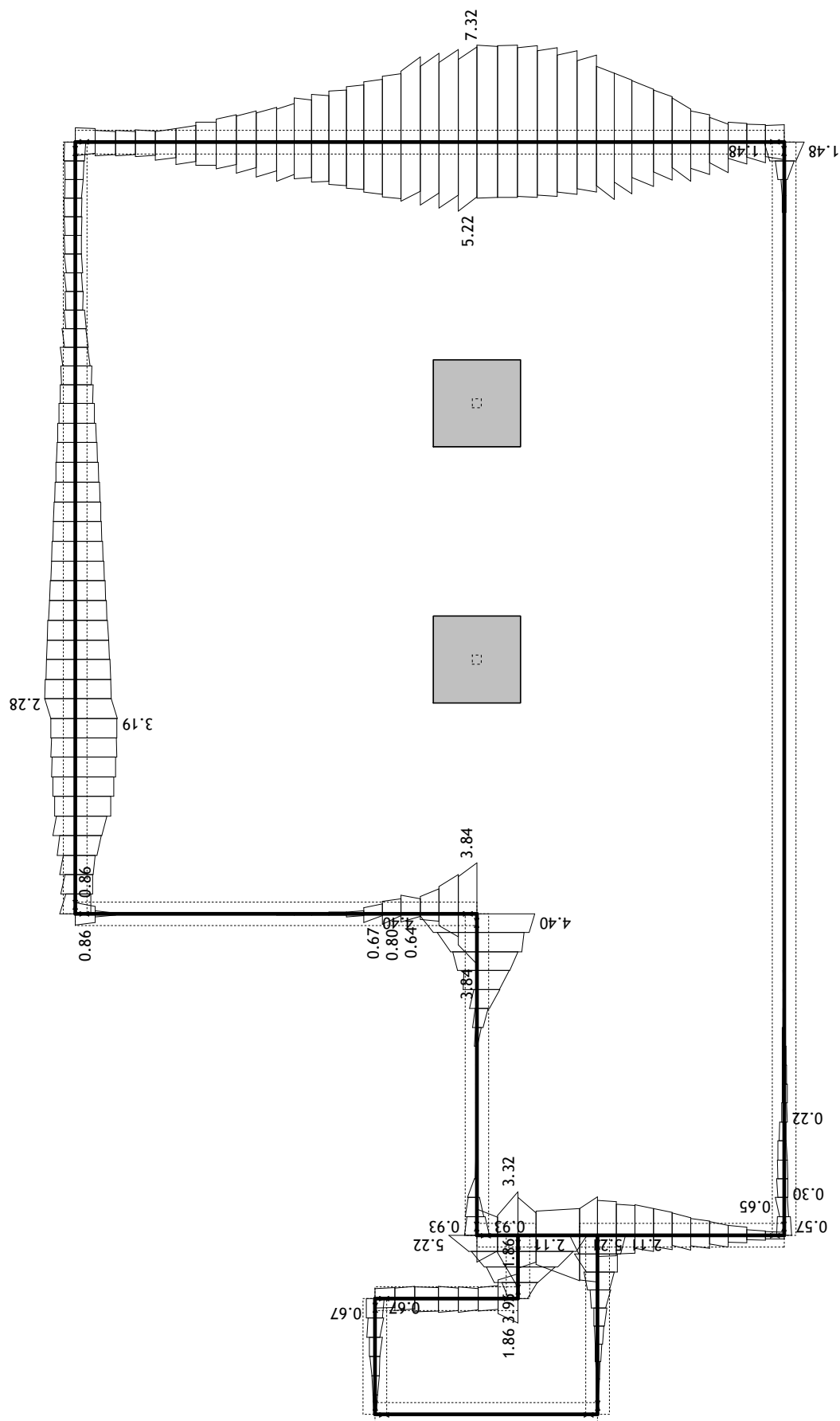
TPBK, C 25/30, B500B



Nivo: ETAŽA 200 [6.86 m]

Armatura u gredama: max $A_{sw} = 14.45 \text{ cm}^2$

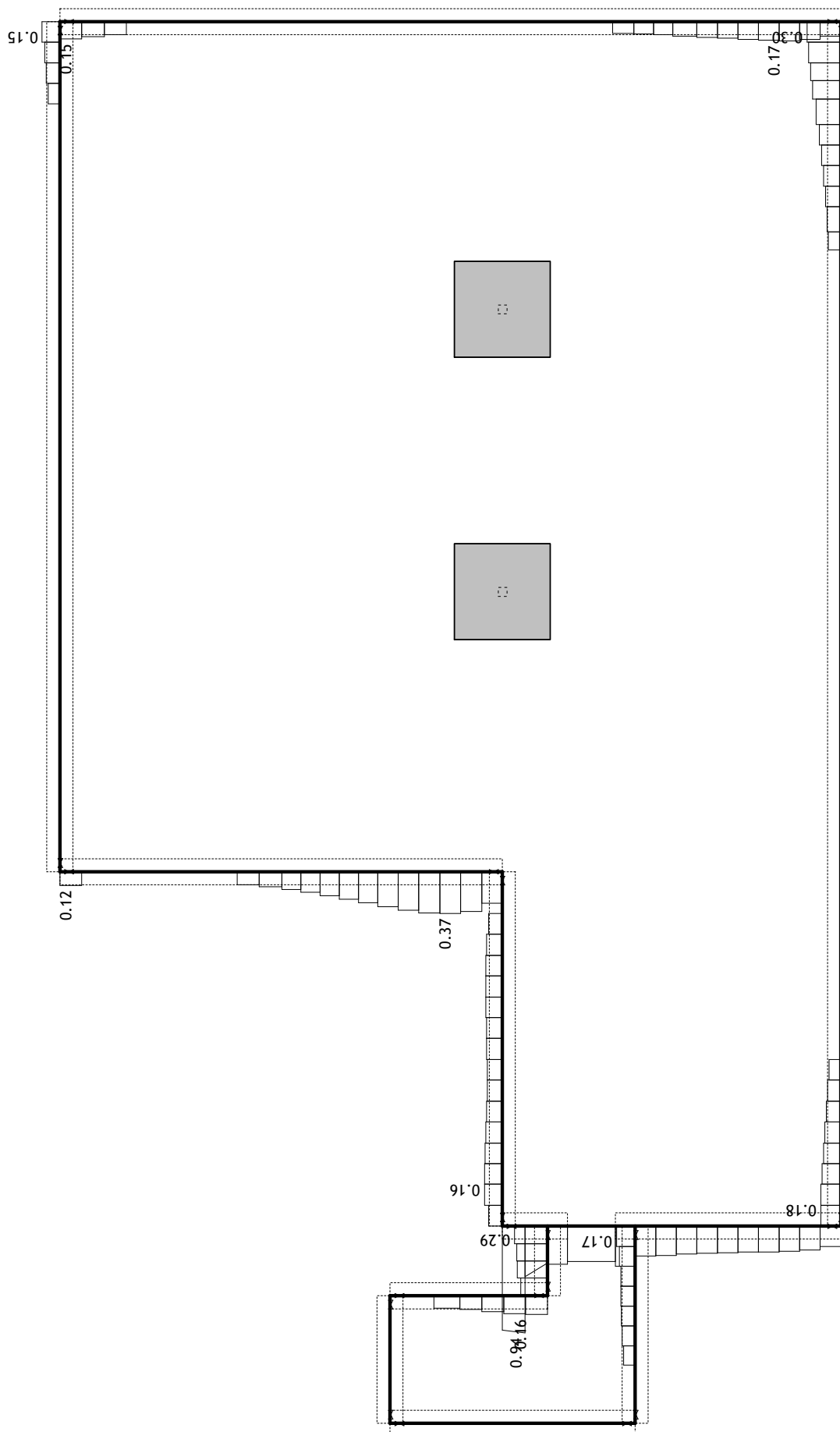
TPBK, C 25/30, B500B



Nivo: TEMELJI 1 [-4.09 m]

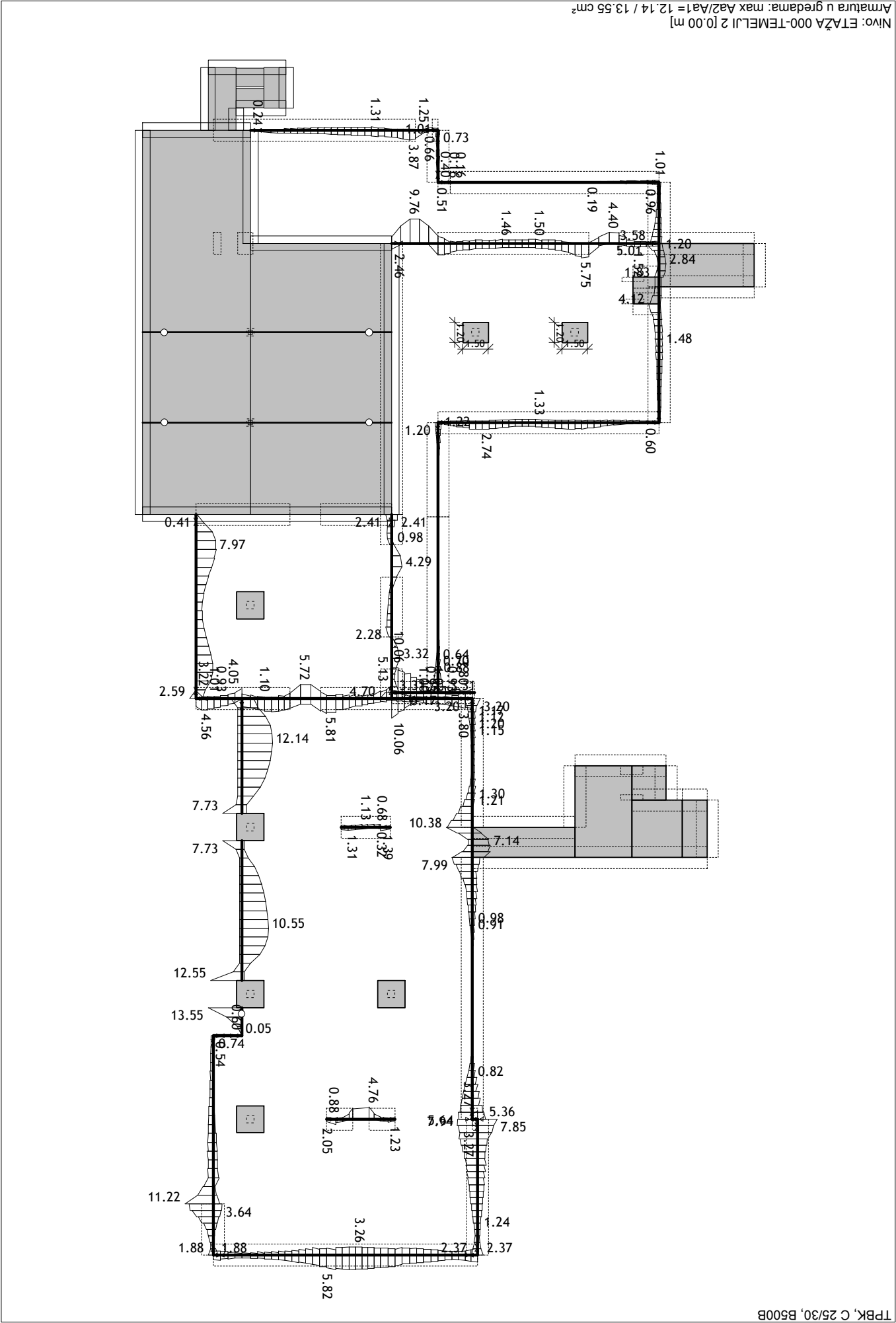
Armatura u gredama: max Aa2/Aa1= 5.22 / 7.32 cm²

TPBK, C 25/30, B500B

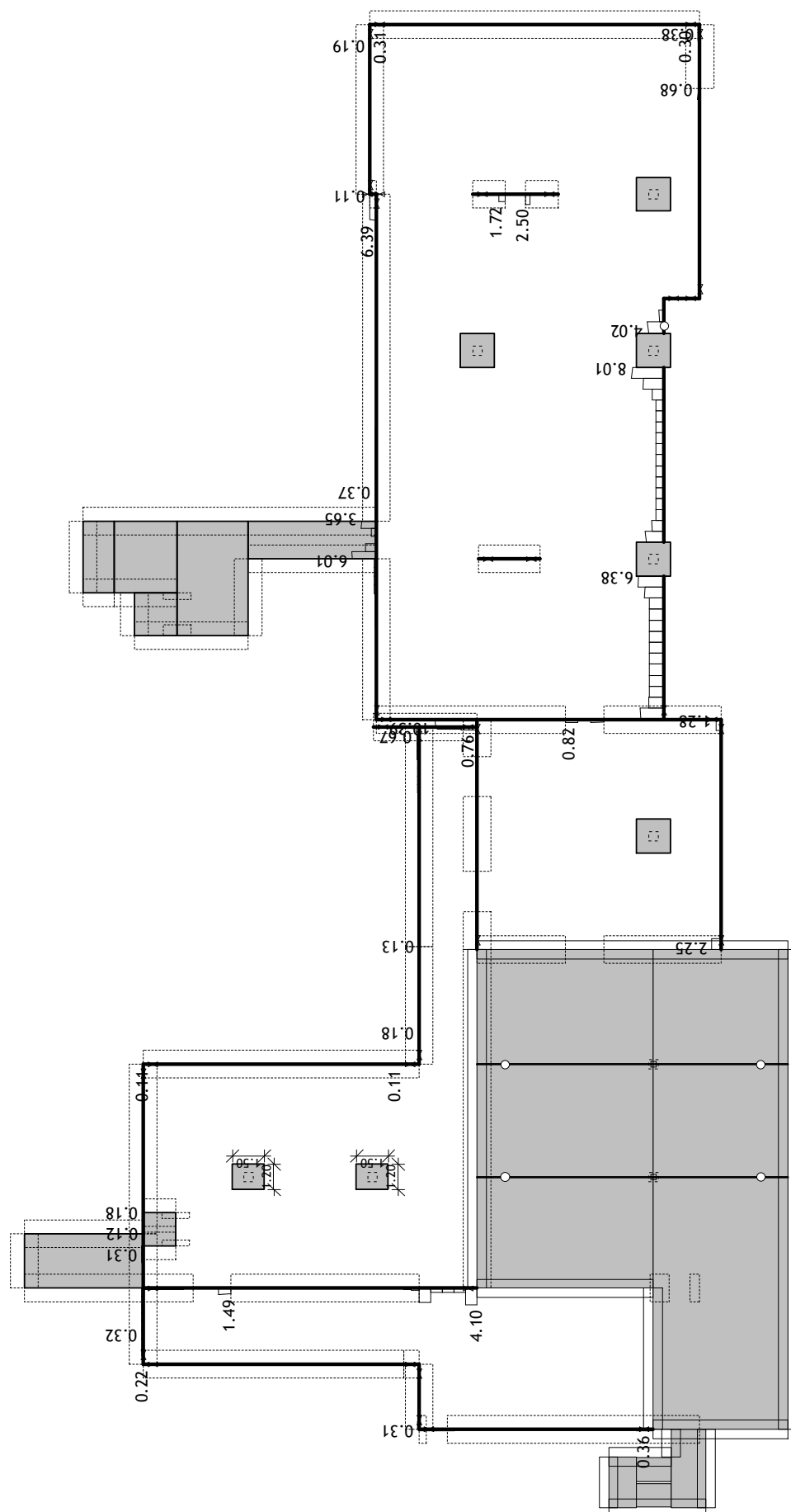


Nivo: TEMELJI 1 [-4.09 m]

Armatura u gredama: max $A_{sw} = 0.94 \text{ cm}^2$

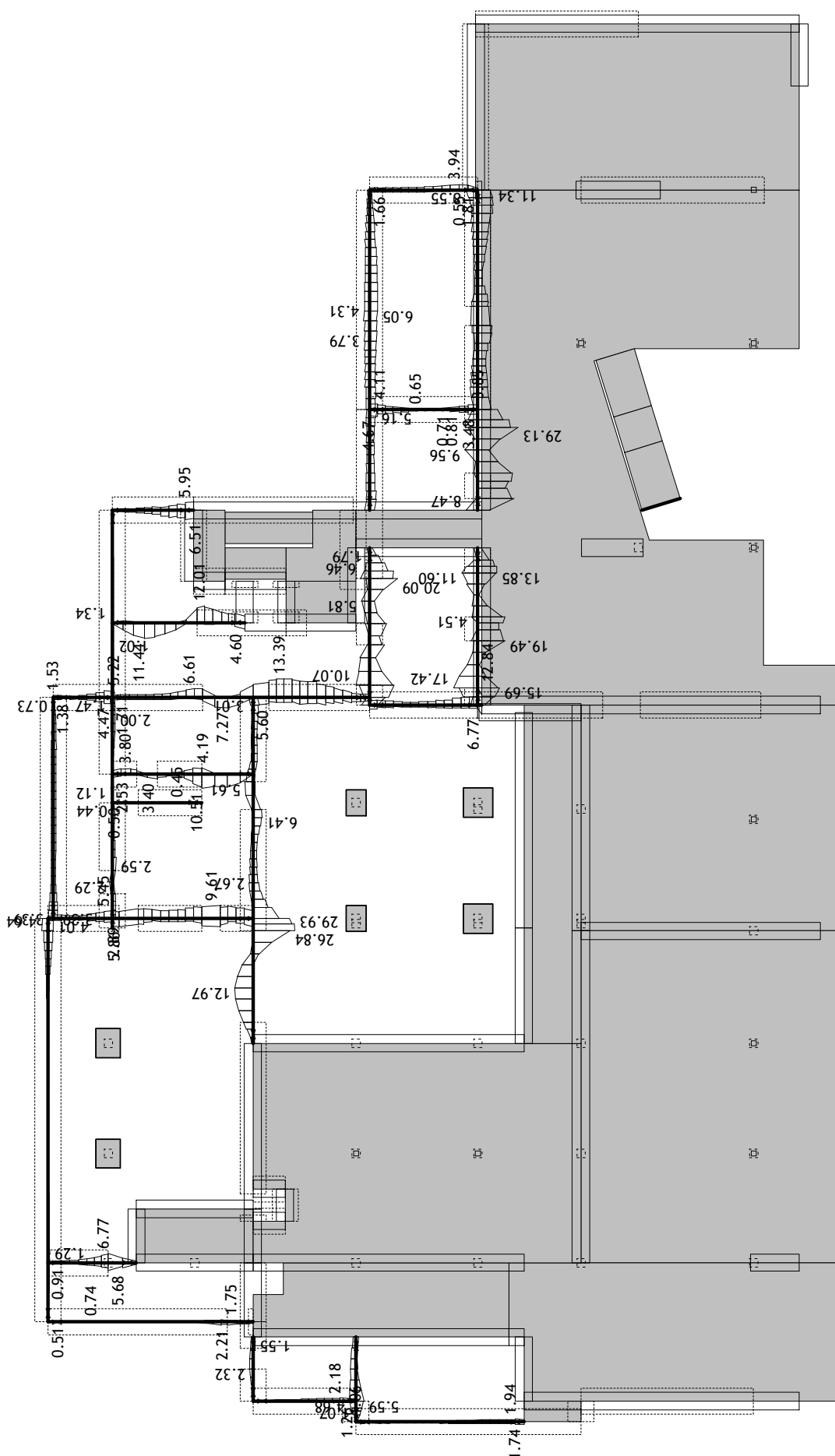


TPBK, C 25/30, B500B



Nivo: ETAŽA 000-TEMELJI 2 [0.00 m]
Armatura u gredama: max $A_{sw} = 10.39 \text{ cm}^2$

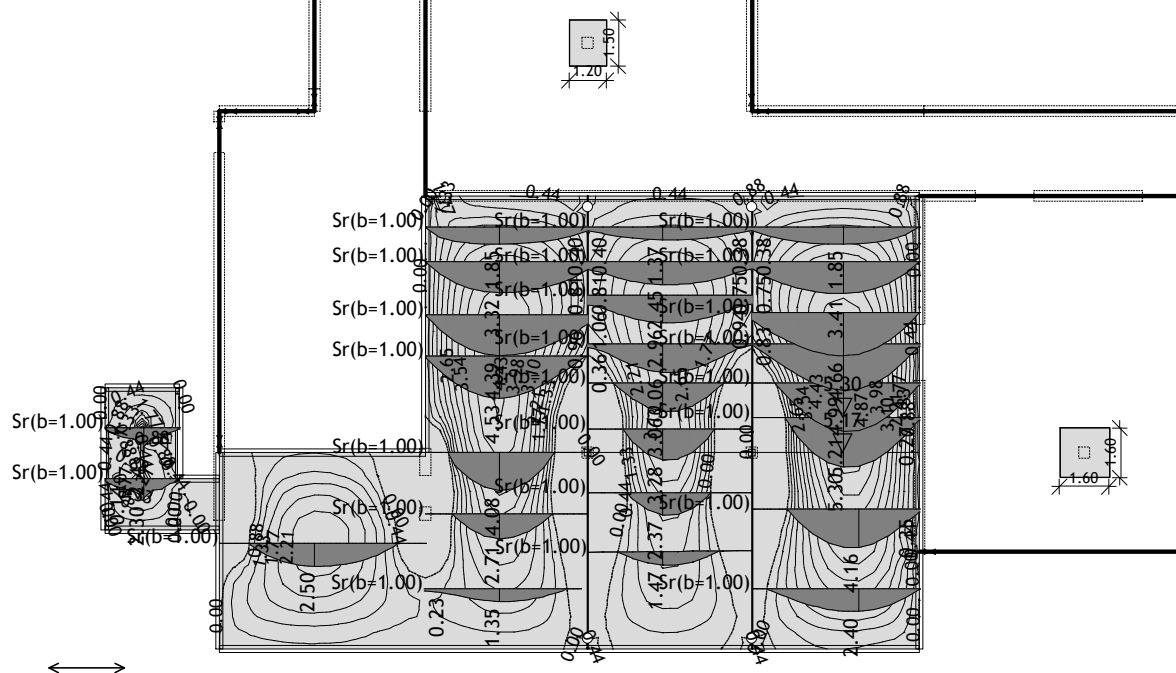
Mjerodavno opterećenje: 5-16
TPBK, C 25, B500B



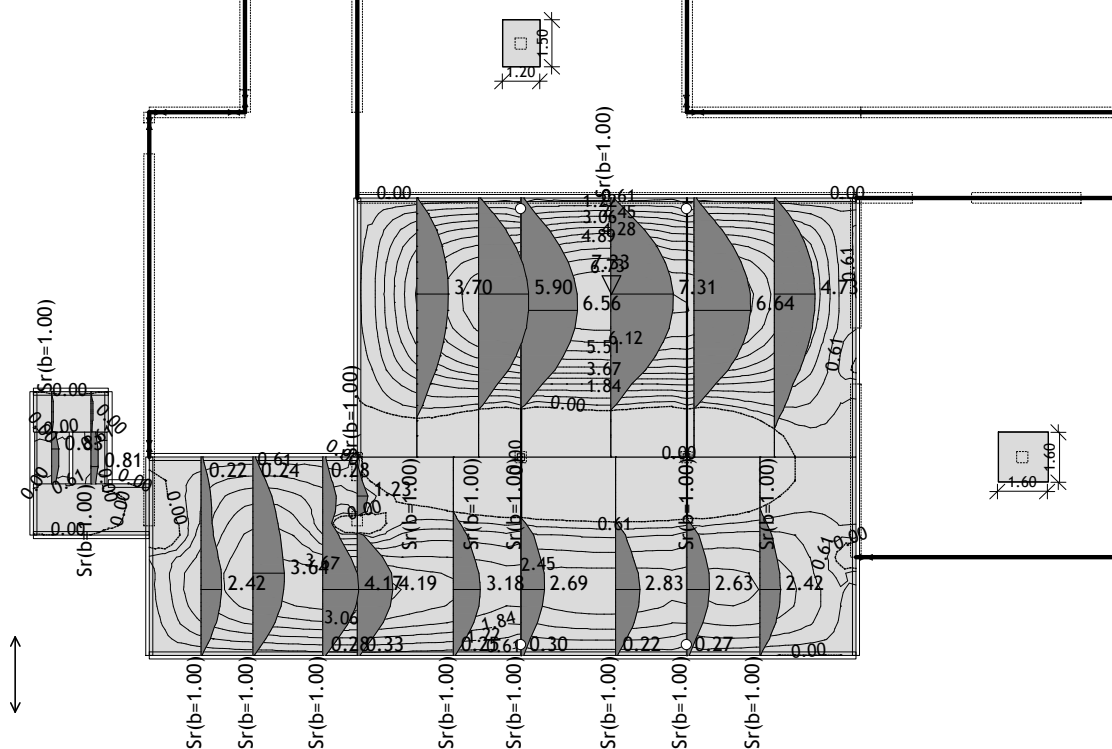
Nivo: ETAŽA 100 [3.33 m]

Armatura u gredama: max Aa2/Aa1= 17.42 / 29.93 cm²

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm

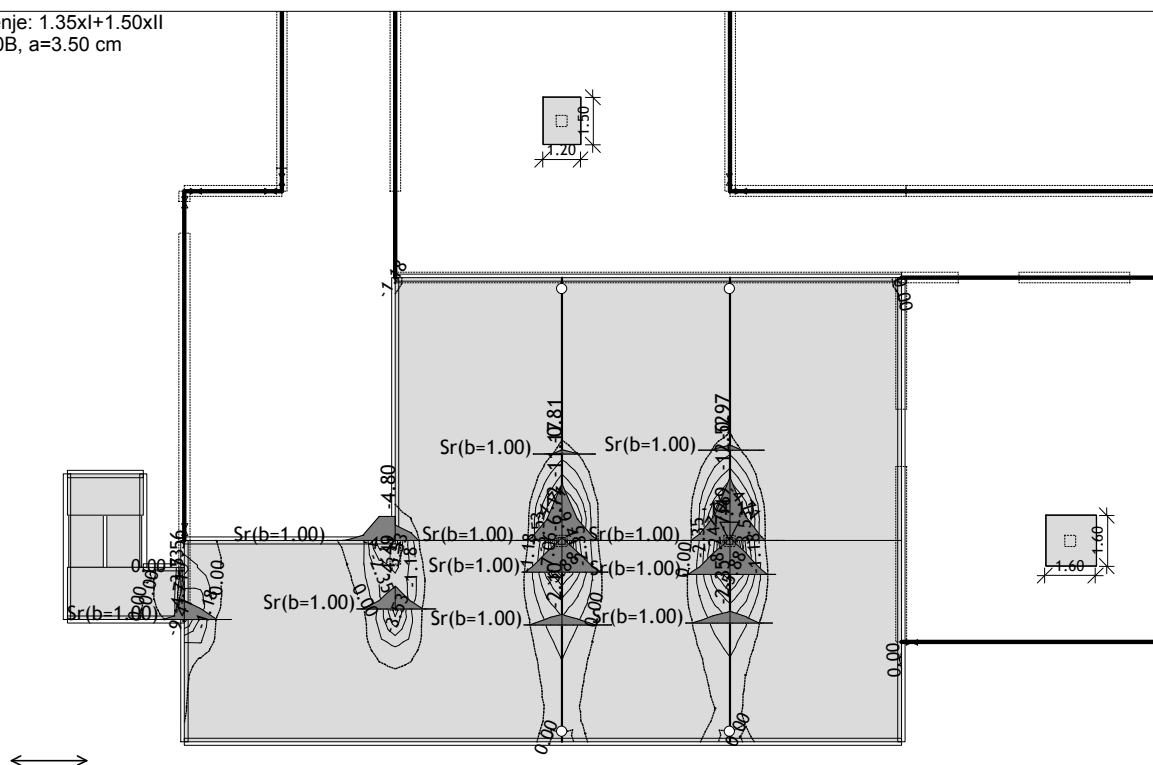


Nivo: ETAŽA 000-TEMELJI 2 [0.00 m]
Aa - d.zona - Pravac 1 - max Aa1,d= 5.30 cm²/m
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm

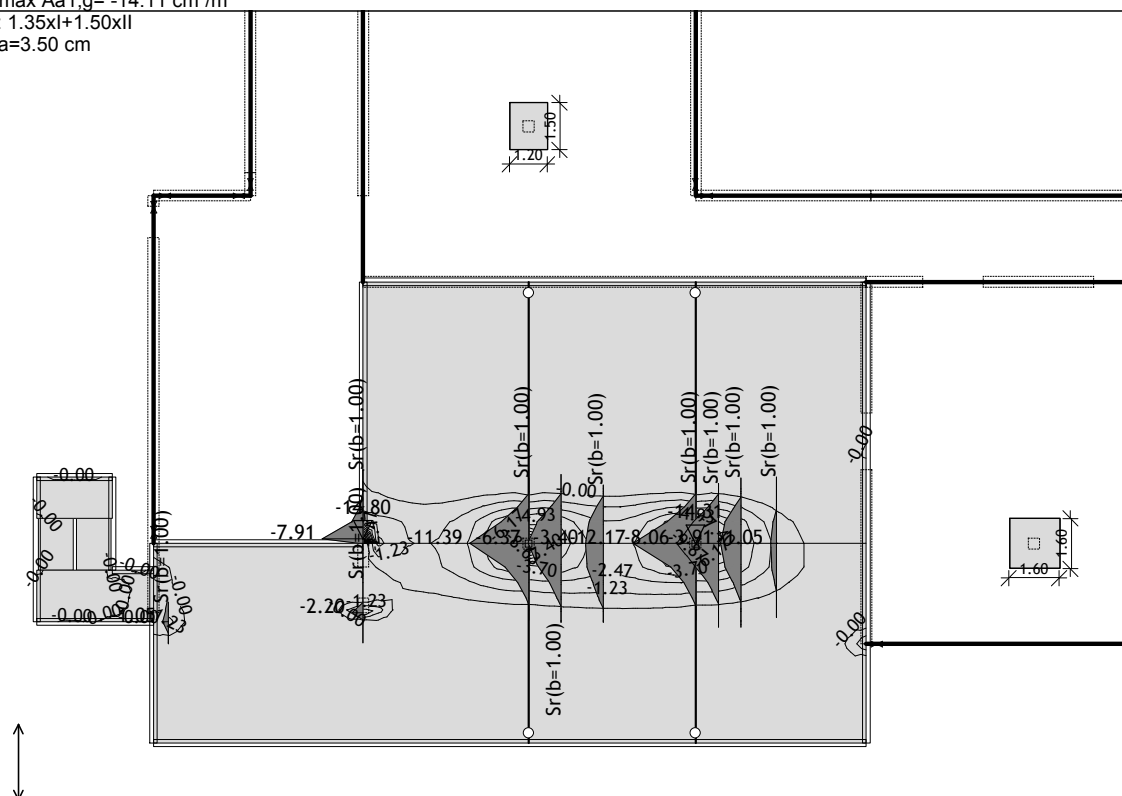


Nivo: ETAŽA 000-TEMELJI 2 [0.00 m]
Aa - d.zona - Pravac 2 - max Aa2,d= 7.33 cm²/m

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm

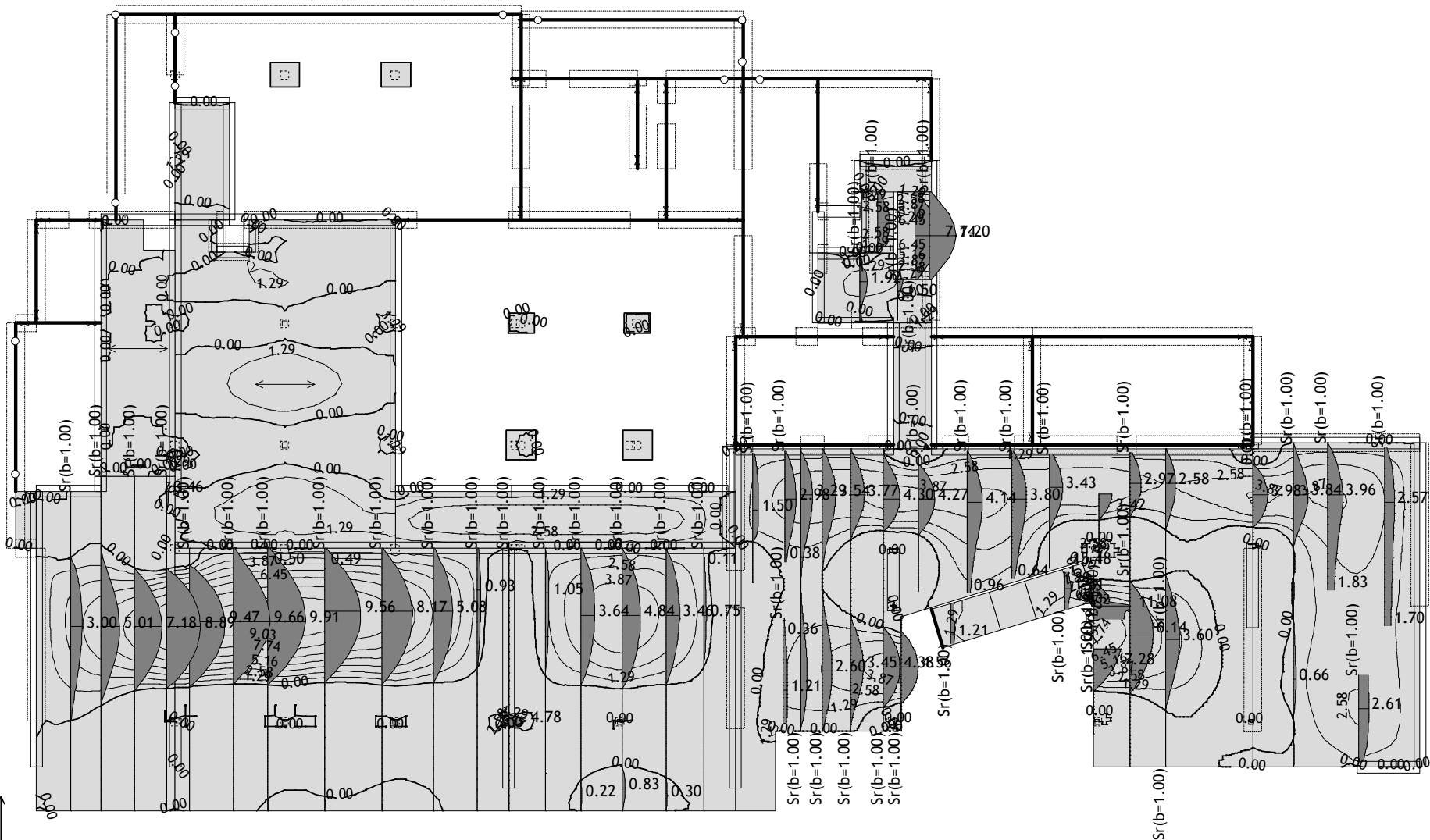


Nivo: ETAŽA 000-TEMELJI 2 [0.00 m]
Aa - g.zona - Pravac 1 - max Aa1,g= -14.11 cm²/m
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Nivo: ETAŽA 000-TEMELJI 2 [0.00 m]
Aa - g.zona - Pravac 2 - max Aa2,g= -14.80 cm²/m

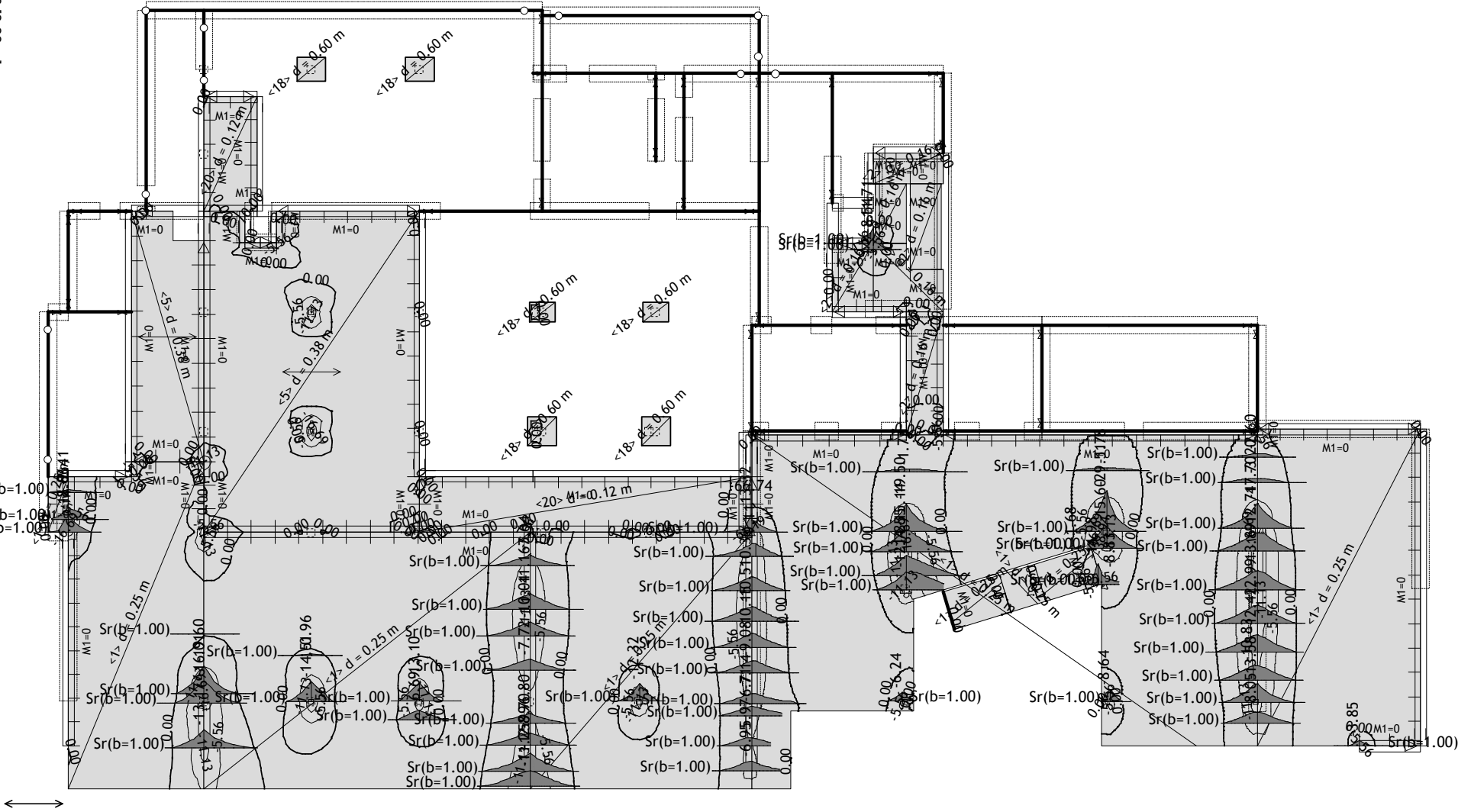
Mjerodavno opterećenje: 1.35x1+1.50x1
TPBK, C 25/30, B500B, a=3.50 cm



Nivo: ETAŽA 100 [3.33 m]

Aa - d.zona - Pravac 2 - max Aa2,d= 15.48 cm²/m

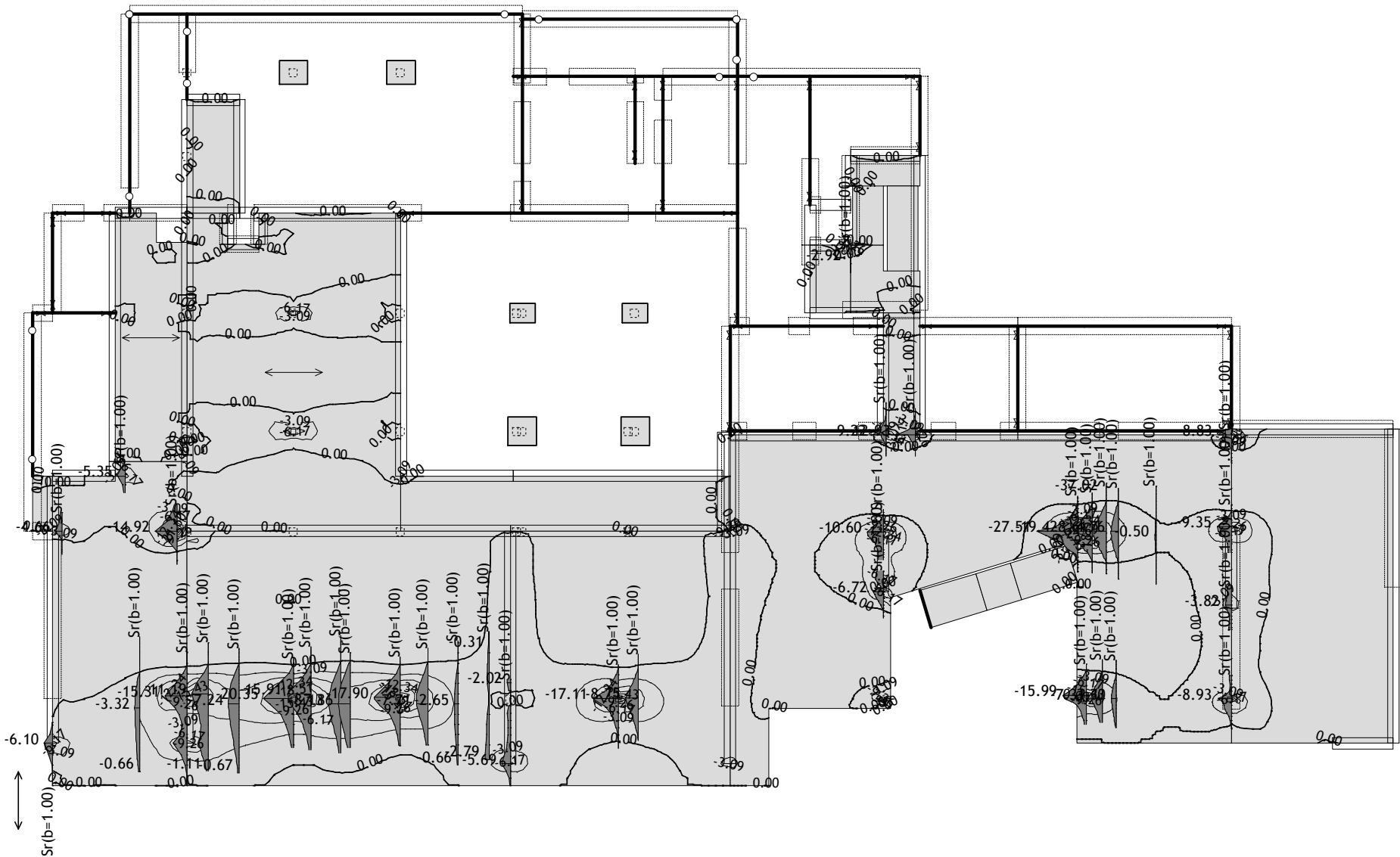
Mjerdavno opterećenje: 1.35x1+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Nivo: ETAŽA 100 [3.33 m]

Aa - g-zona - Pravac 1 - max Aa1,g= -66.74 cm²/m

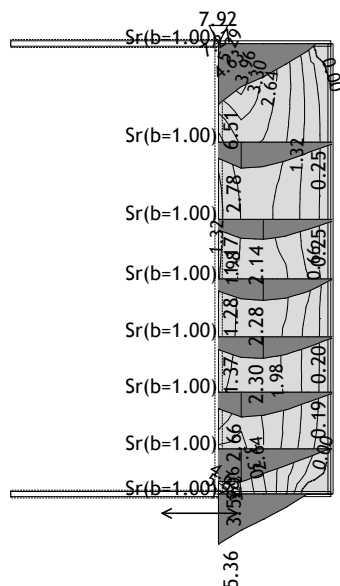
Mjerodavno opterećenje: 1.35x1+1.50x1
TPBK, C 25/30, B500B, a=3.50 cm



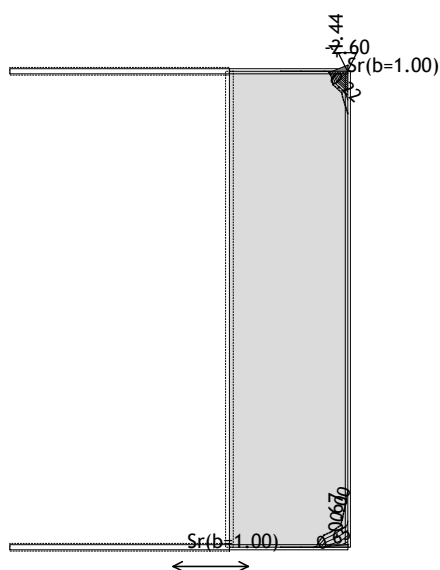
Nivo: ETAŽA 100 [3.33 m]

Aa - g-zona - Pravac 2 - max Aa2,g= -37.02 cm²/m

Mjerodavno opterećenje: 1.35xl+1.50xll
TPBK, C 25/30, B500B, a=3.50 cm

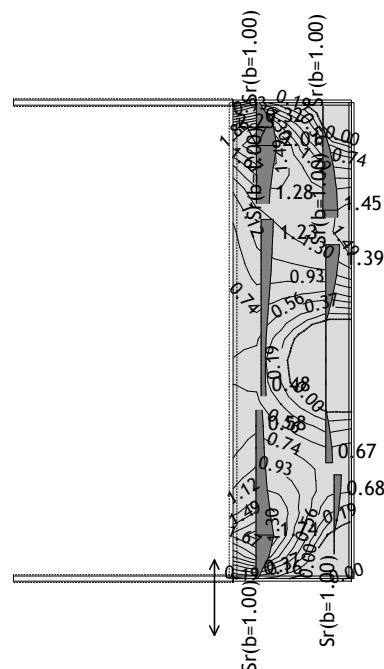


Nivo: [7.19 m]
Aa - d.zona - Pravac 1 - max Aa1,d= 7.92 cm²/m
Mjerodavno opterećenje: 1.35xl+1.50xll
TPBK, C 25/30, B500B, a=3.50 cm

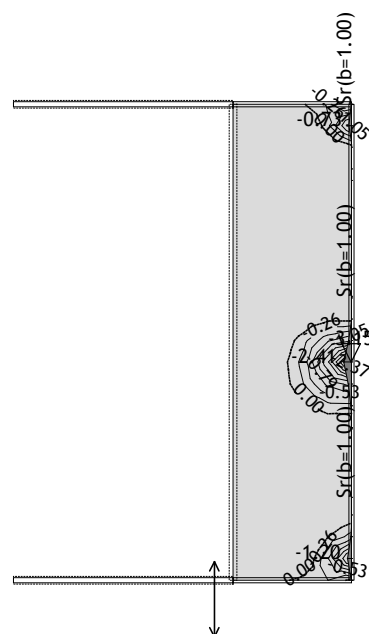


Nivo: [7.19 m]
Aa - g.zona - Pravac 1 - max Aa1,g= -2.60 cm²/m

Mjerodavno opterećenje: 1.35xl+1.50xll
TPBK, C 25/30, B500B, a=3.50 cm

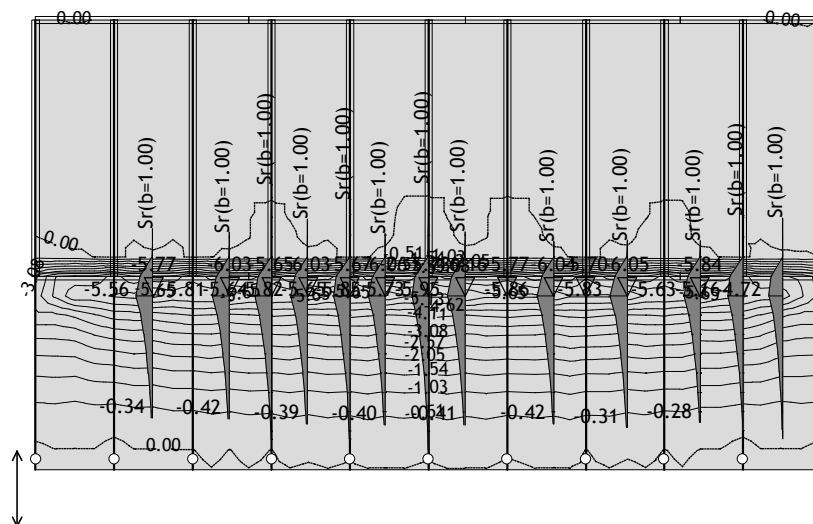


Nivo: [7.19 m]
Aa - d.zona - Pravac 2 - max Aa2,d= 2.23 cm²/m
Mjerodavno opterećenje: 1.35xl+1.50xll
TPBK, C 25/30, B500B, a=3.50 cm



Nivo: [7.19 m]
Aa - g.zona - Pravac 2 - max Aa2,g= -3.15 cm²/m

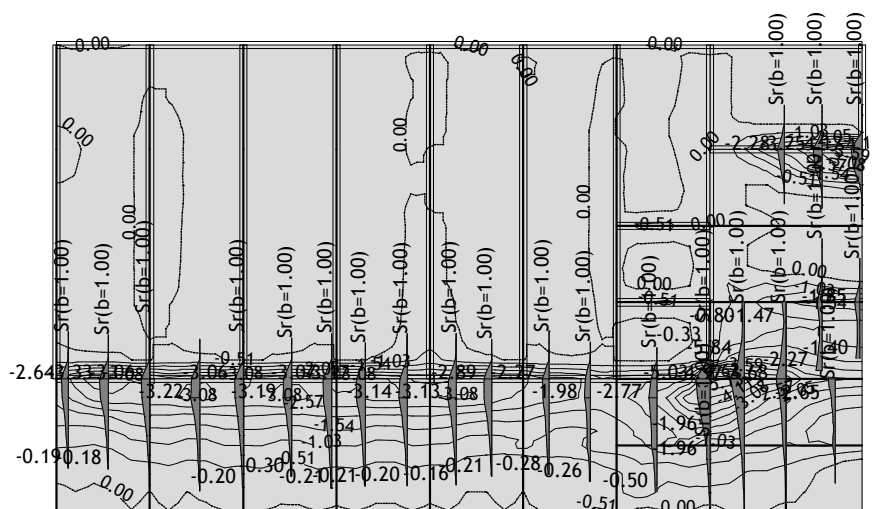
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Nivo: ETAŽA 200A [7.62 m]

Aa - g.zona - Pravic 2 - max Aa2,g= -6.16 cm²/m

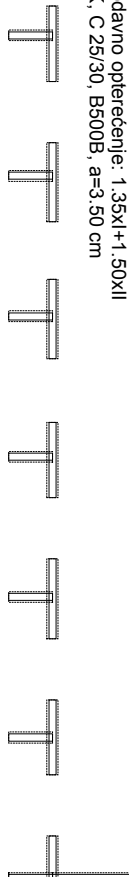
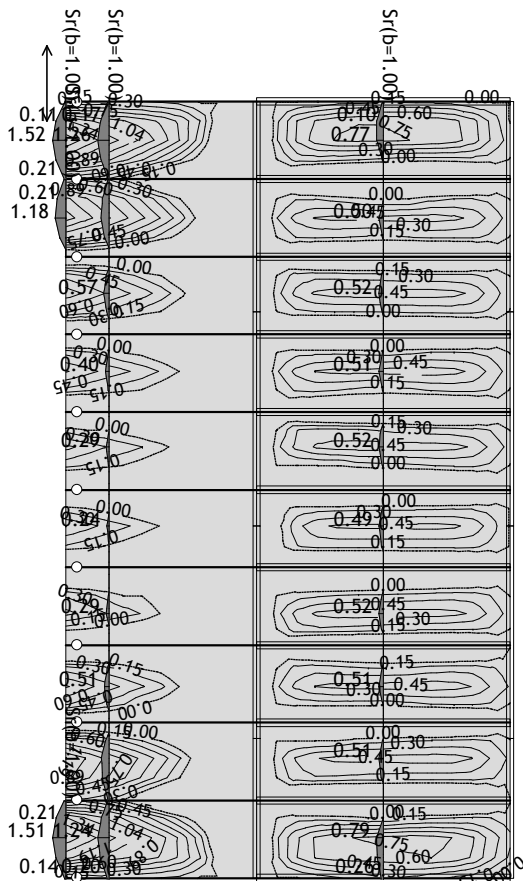
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



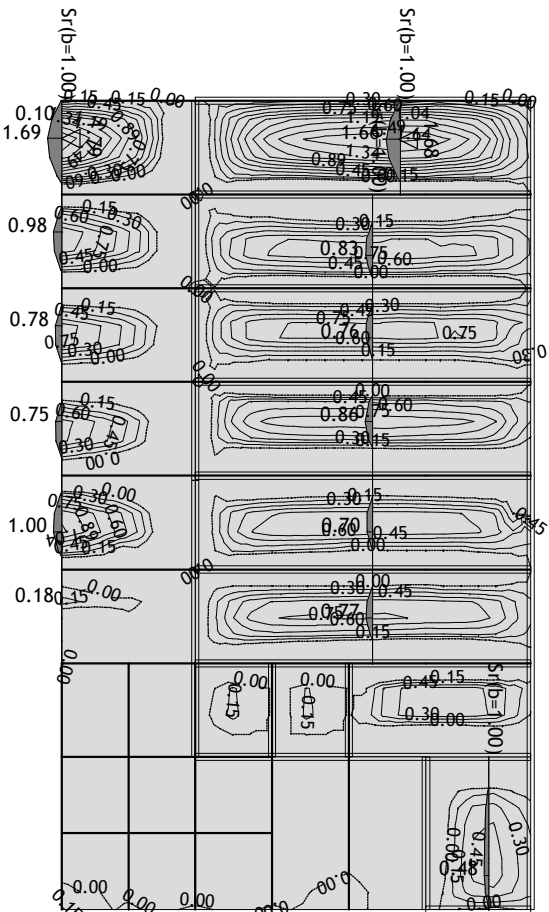
Nivo: ETAŽA 200A [7.62 m]

Aa - g.zona - Pravic 2 - max Aa2,g= -6.16 cm²/m

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



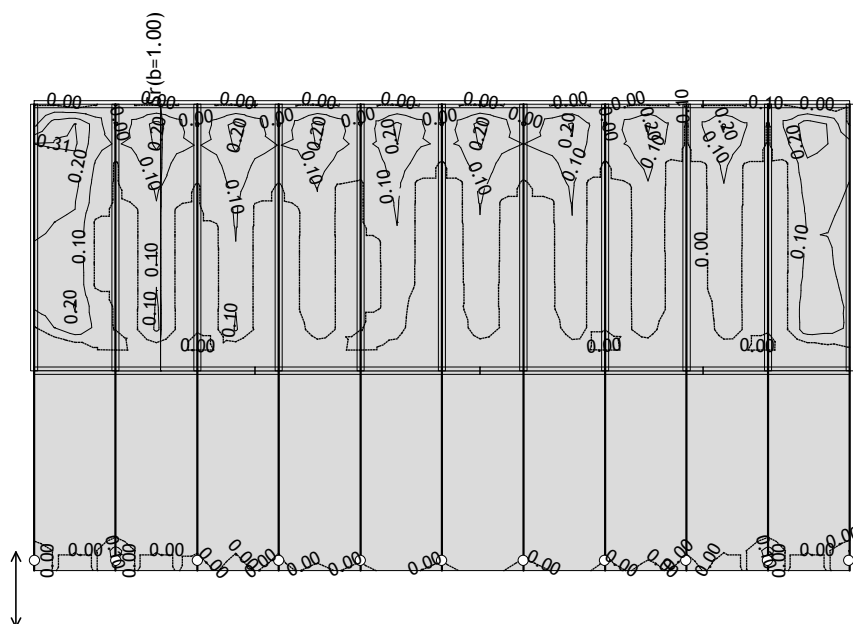
Nivo: ETAŽA 200A [7.62 m]
Aa - d.zona - Pravac 1 - max Aa1,d= 1.79 cm²/m
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Nivo: ETAŽA 200A [7.62 m]

Aa - d.zona - Pravac 1 - max Aa1,d= 1.79 cm²/m

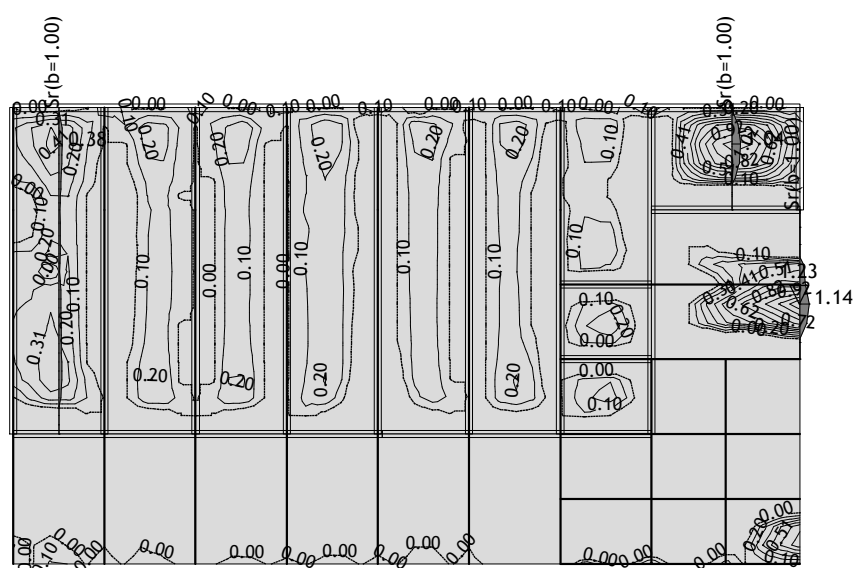
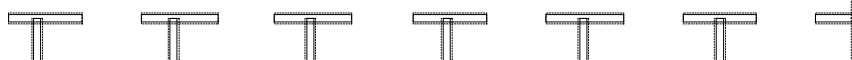
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Nivo: ETAŽA 200A [7.62 m]

Aa - d.zona - Pravac 2 - max Aa2,d= 1.23 cm²/m

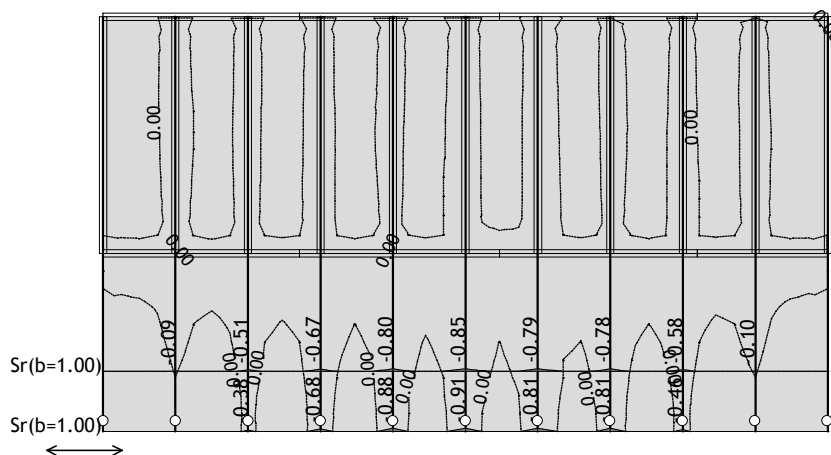
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Nivo: ETAŽA 200A [7.62 m]

Aa - d.zona - Pravac 2 - max Aa2,d= 1.23 cm²/m

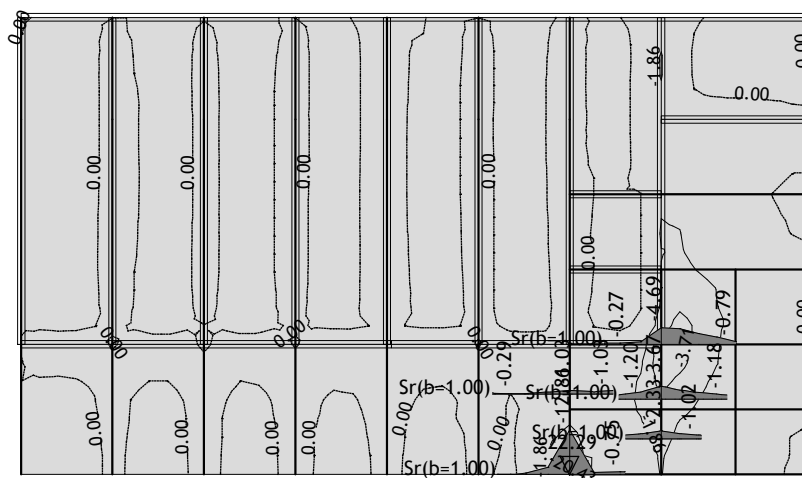
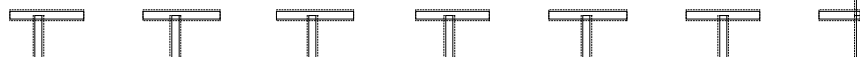
Mjerodavno opterećenje: 1.35xl+1.50xll
TPBK, C 25/30, B500B, a=3.50 cm



Nivo: ETAŽA 200A [7.62 m]

Aa - g.zona - Pramac 1 - max Aa1,g= -22.29 cm²/m

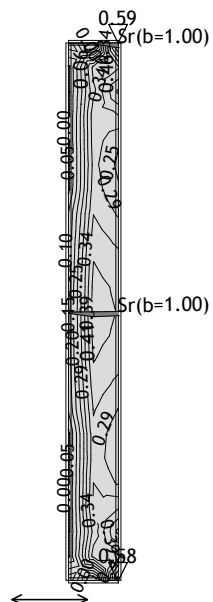
Mjerodavno opterećenje: 1.35xl+1.50xll
TPBK, C 25/30, B500B, a=3.50 cm



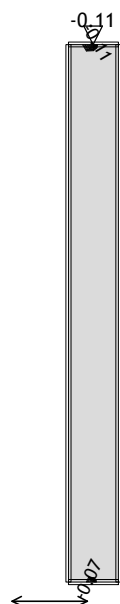
Nivo: ETAŽA 200A [7.62 m]

Aa - g.zona - Pramac 1 - max Aa1,g= -22.29 cm²/m

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm

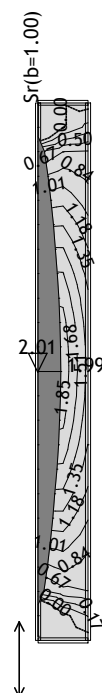


Nivo: [9.30 m]
Aa - d.zona - Pravac 1 - max Aa1,d= 0.59 cm²/m
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm

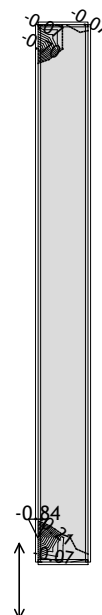


Nivo: [9.30 m]
Aa - g.zona - Pravac 1 - max Aa1,g= -0.11 cm²/m

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm

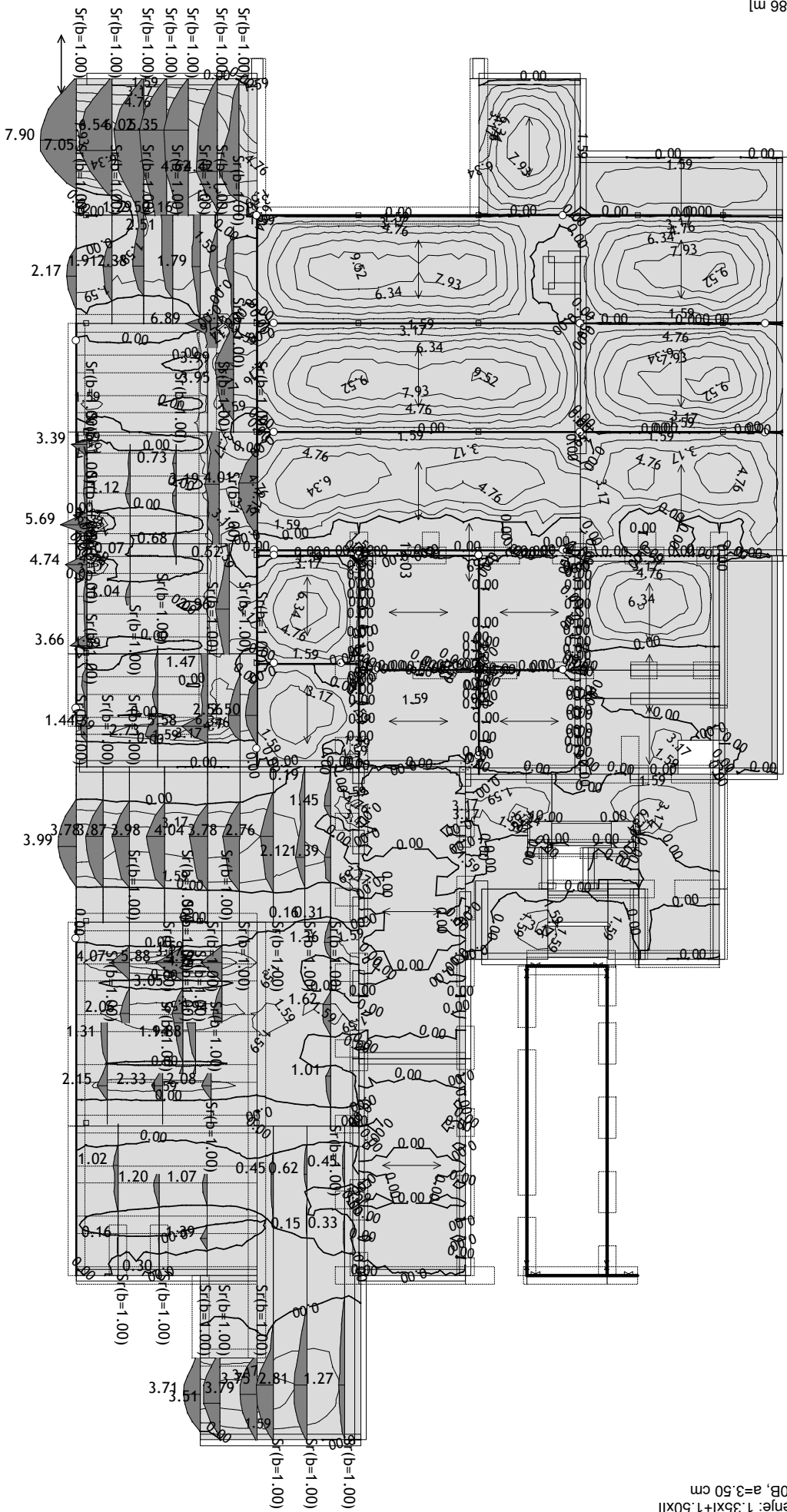


Nivo: [9.30 m]
Aa - d.zona - Pravac 2 - max Aa2,d= 2.01 cm²/m
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



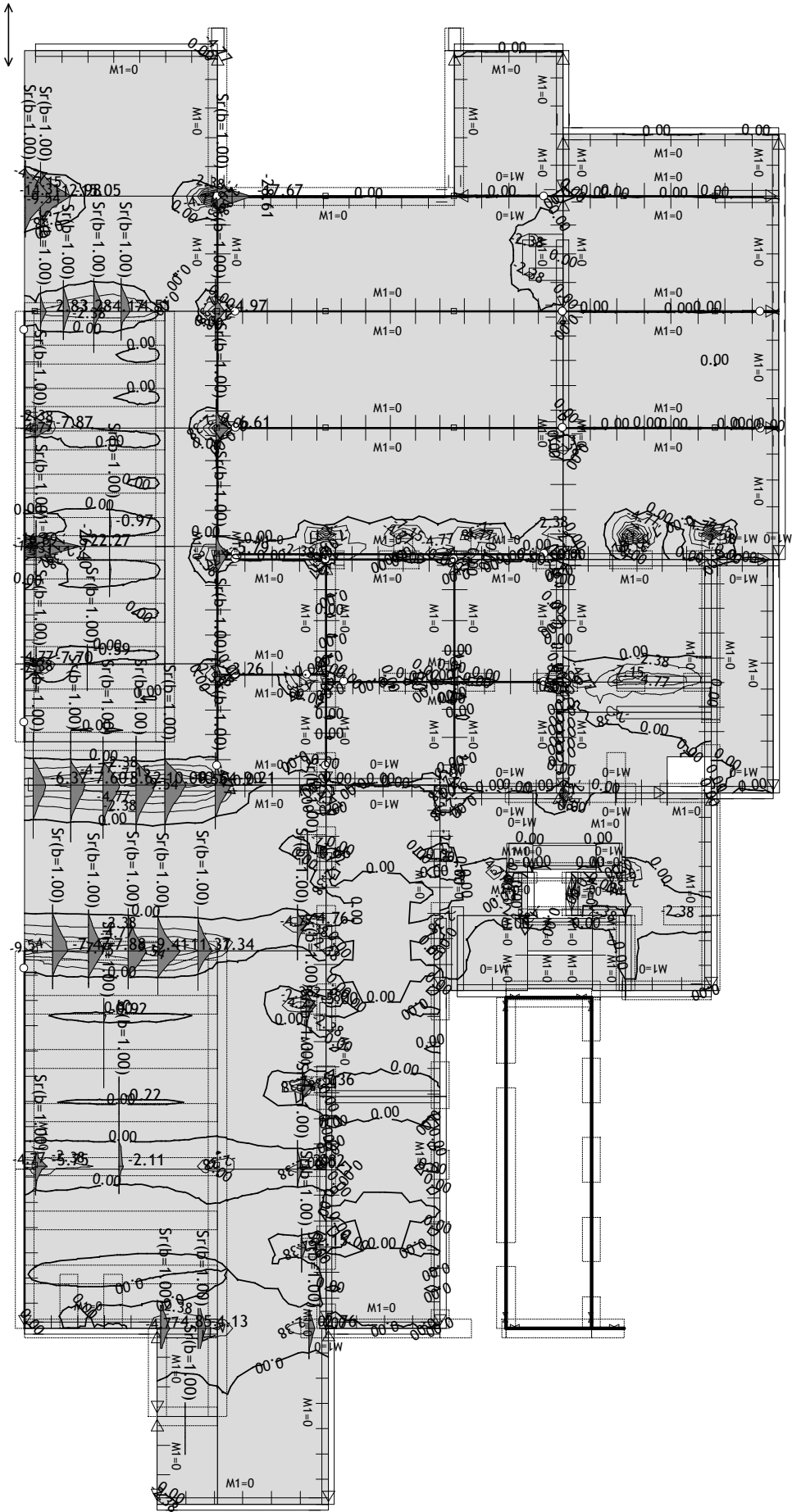
Nivo: [9.30 m]
Aa - g.zona - Pravac 2 - max Aa2,g= -0.84 cm²/m

Mjerodavno opterećenje: 1.35x1+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm

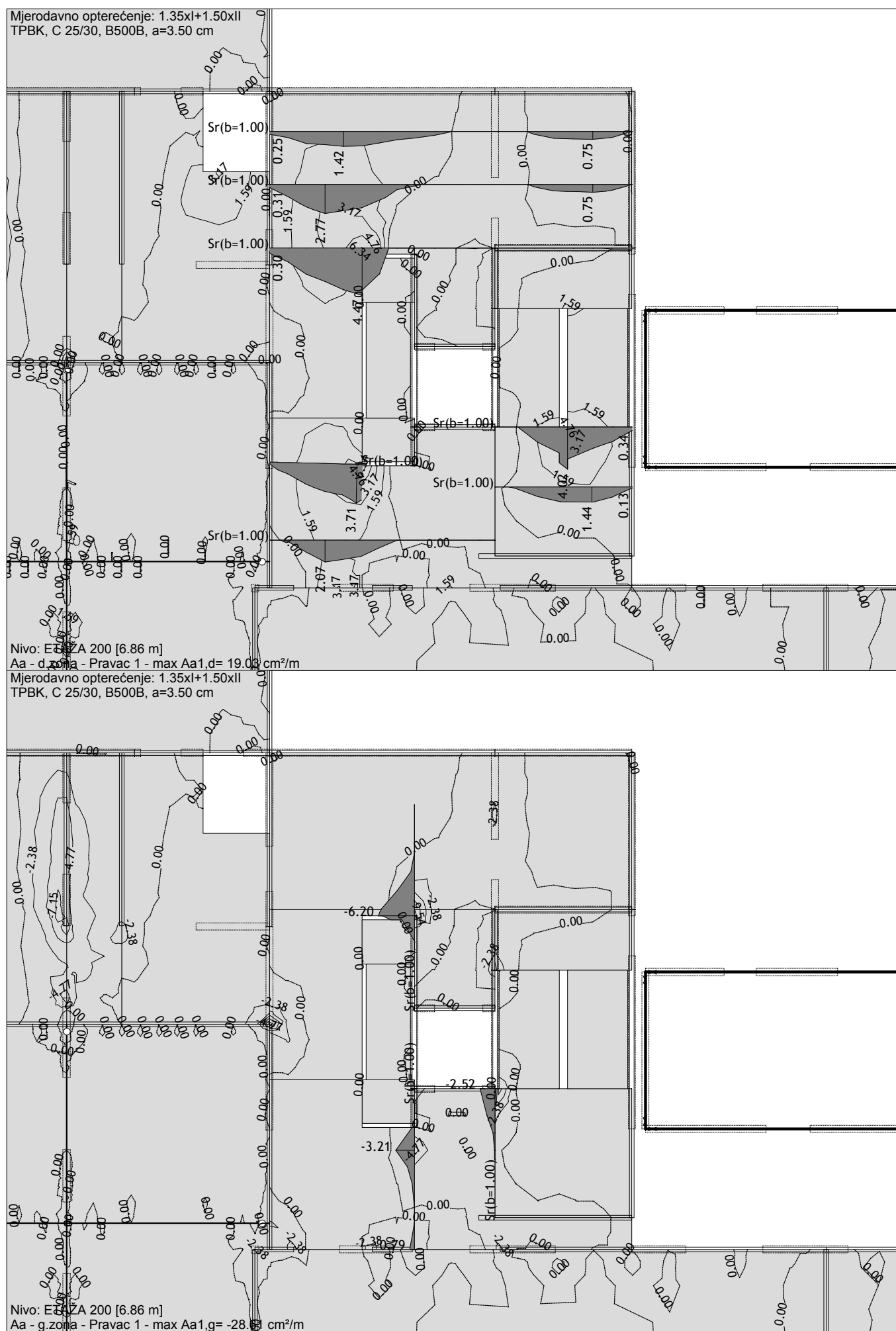


Nivo: ETAŽA 200 [6.86 m]
Aa - d.zona - Pravač 1 - max Aa1,d= 19.03 cm²/m

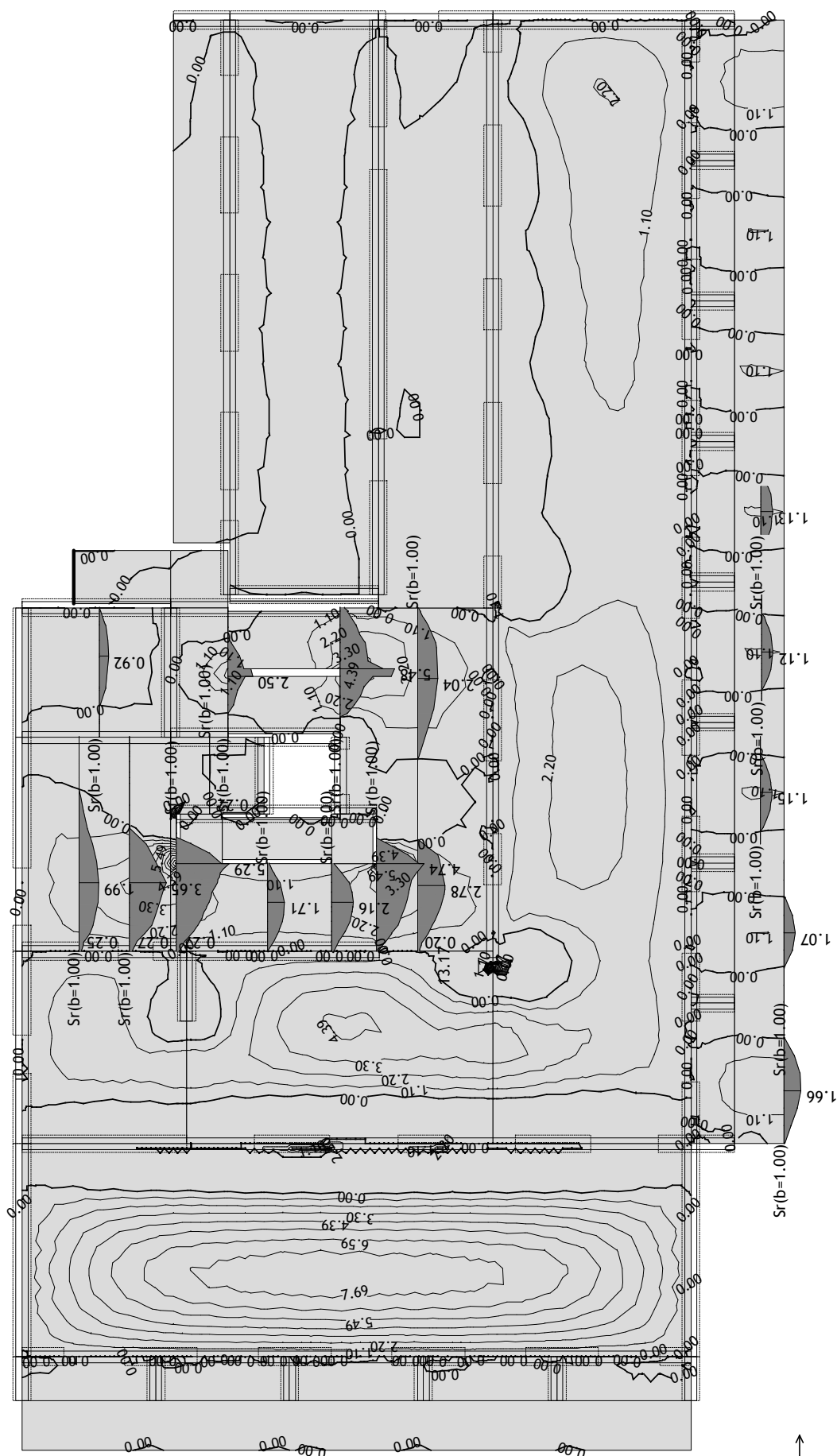
Mjerodavno opterećenje: 1.35x1+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Nivo: ETAŽA 200 [6.86 m]
Aa - g.zona - Pravać 1 - max Aa1,g=-28.61 cm²/m



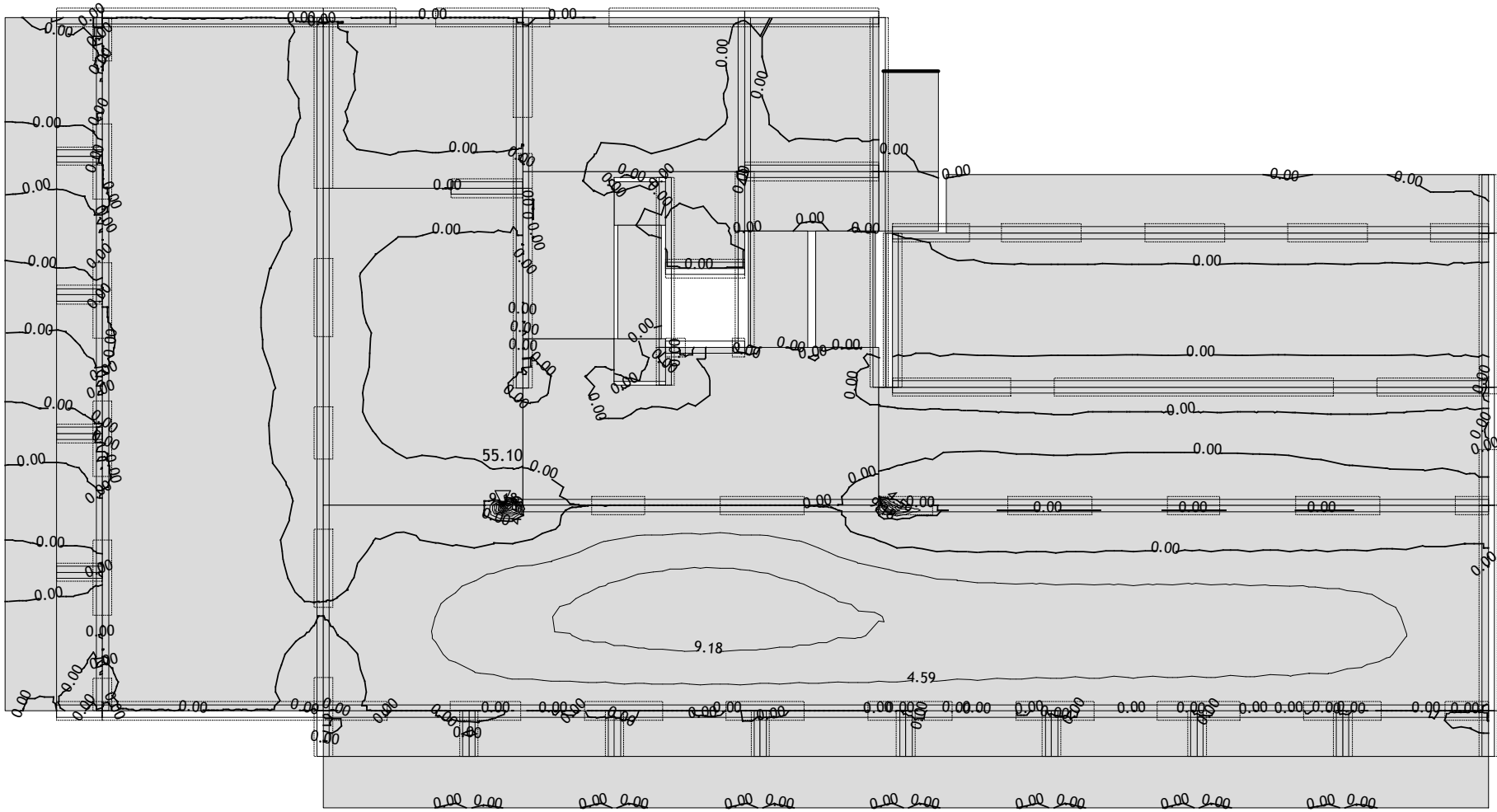
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Nivo: ETAŽA 300 [10.08 m]

Aa - d.zona - Pravac 1 - max Aa1,d= 13.17 cm²/m

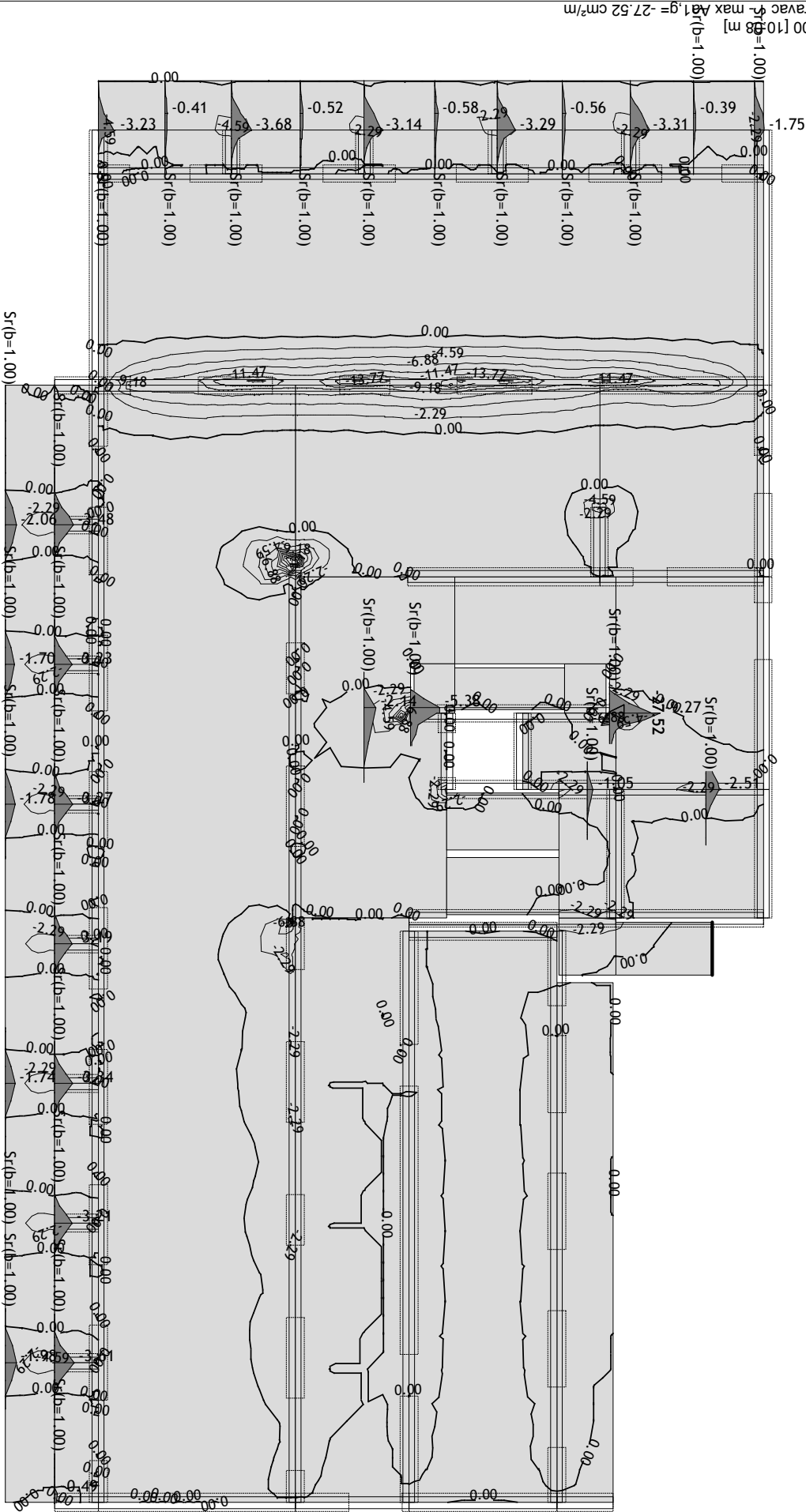
Mjerodavno opterećenje: 1.35x1+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



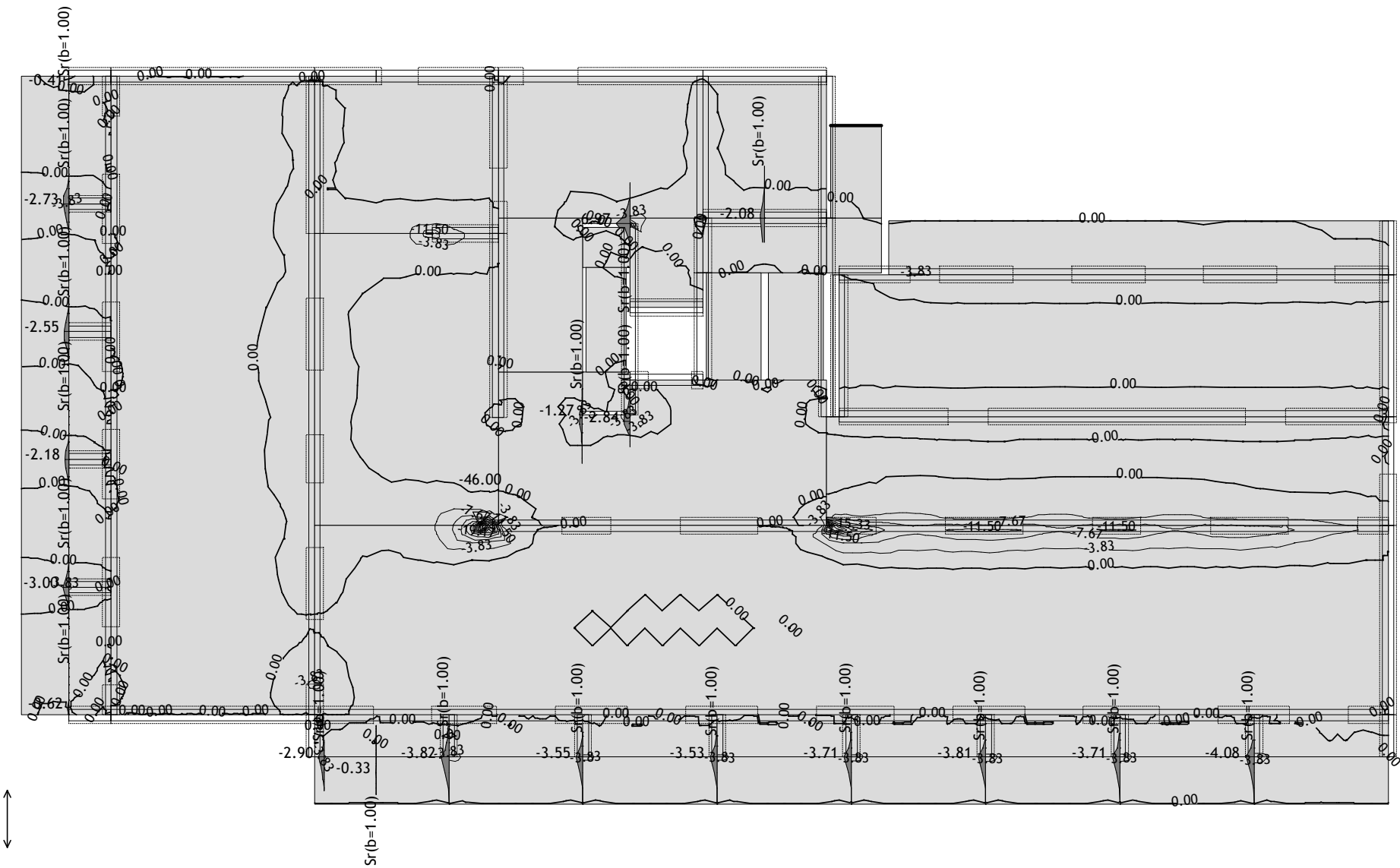
Nivo: ETAŽA 300 [10.08 m]

Aa - d.zona - Pravac 2 - max Aa2,d= 65.10 cm²/m

Mjerodavno opterećenje: 1.35x(1+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Mjerodavno opterećenje: 1.35x1+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Nivo: ETAŽA 300 [10.08 m]

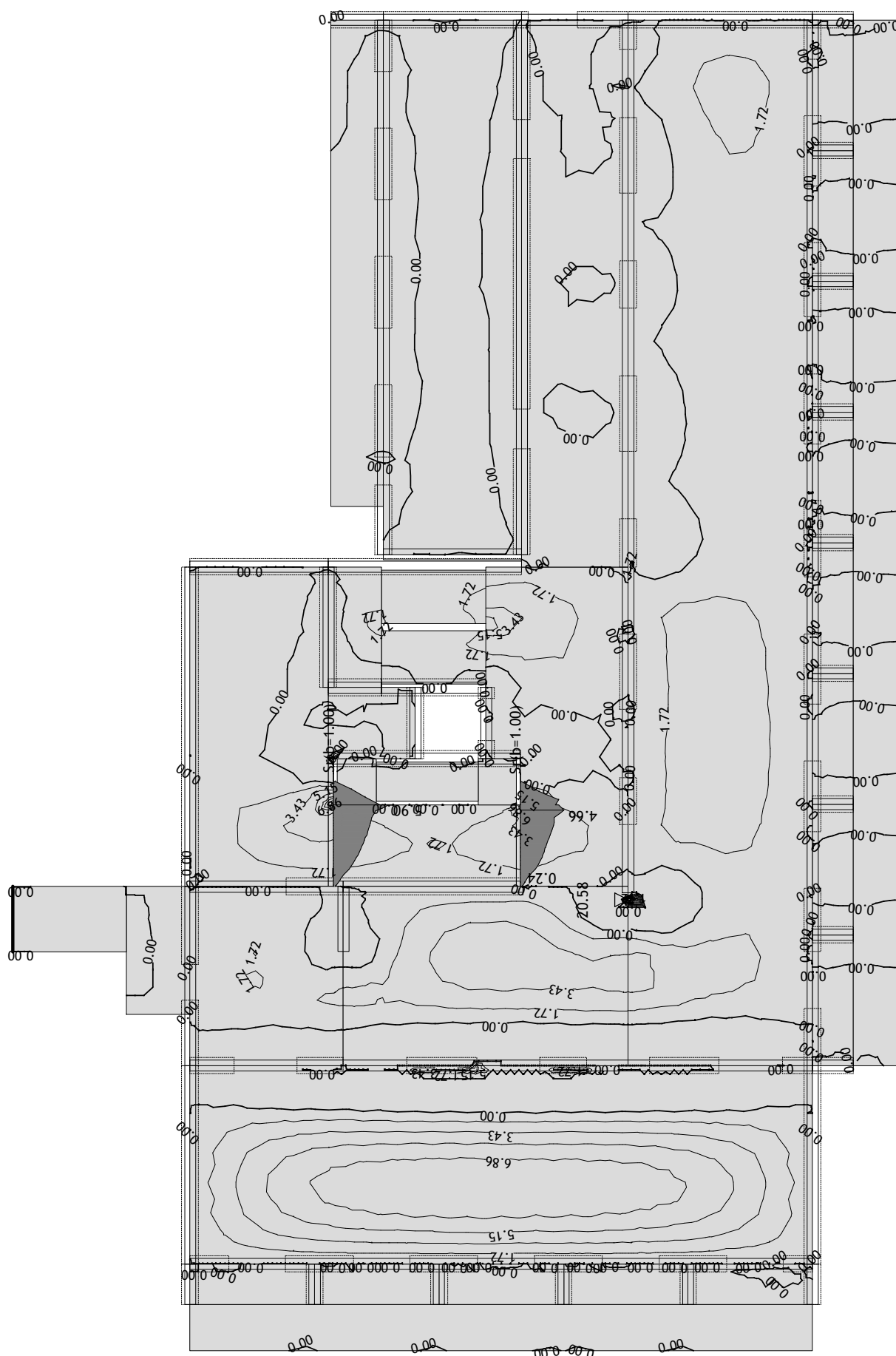
Aa - g-zona - Pravac 2 - max Aa2,g= -46.00 cm²/m

Tower - 3D Model Builder 7.0 - x64 Edition

Registered to CANOSA INŽENJERING d.o.o.

Radimpex - www.radimpex.rs

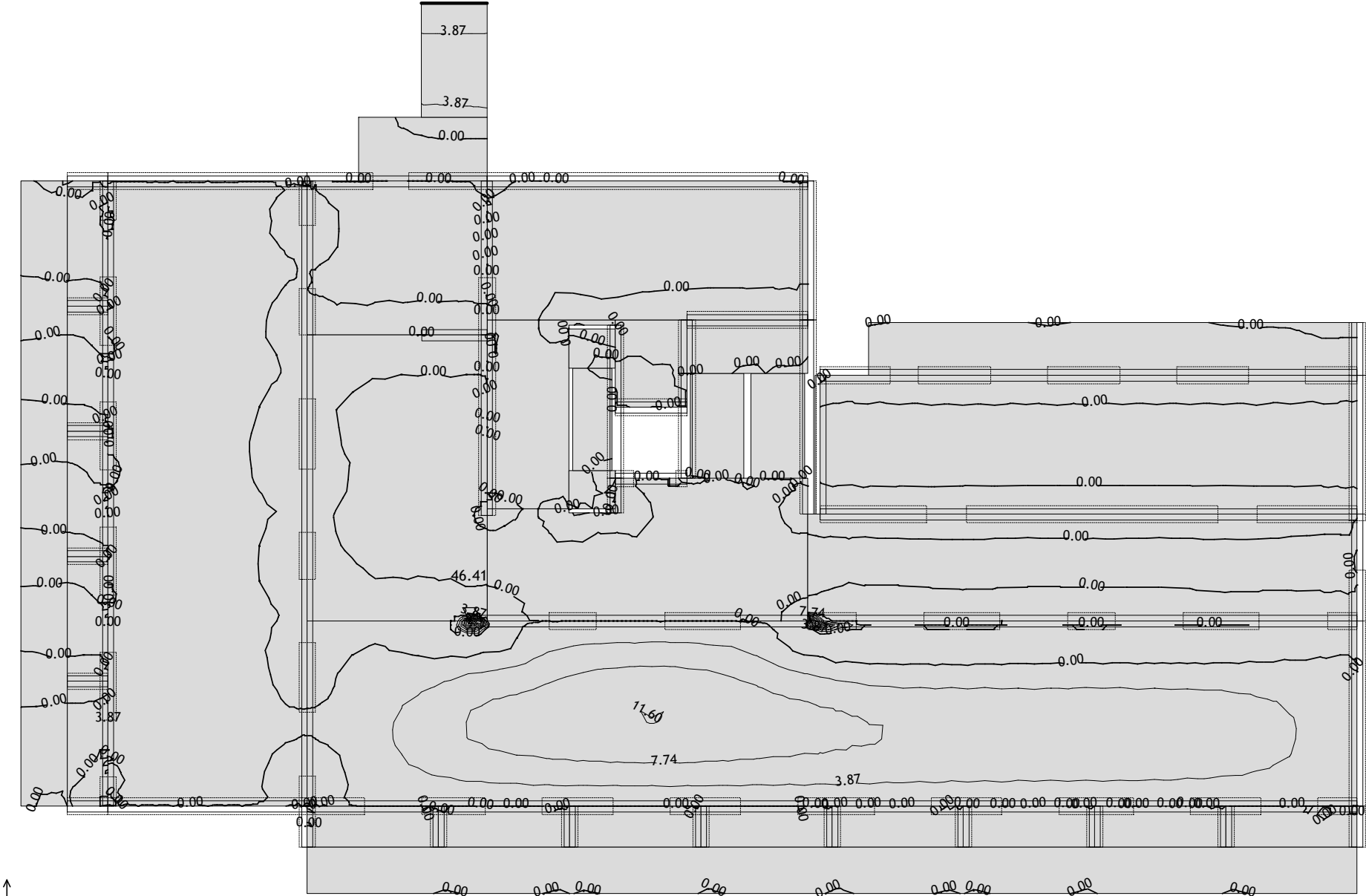
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Nivo: ETAŽA 400 [13.23 m]

Aa - d.zona - Pravac 1 - max Aa1,d= 20.58 cm²/m

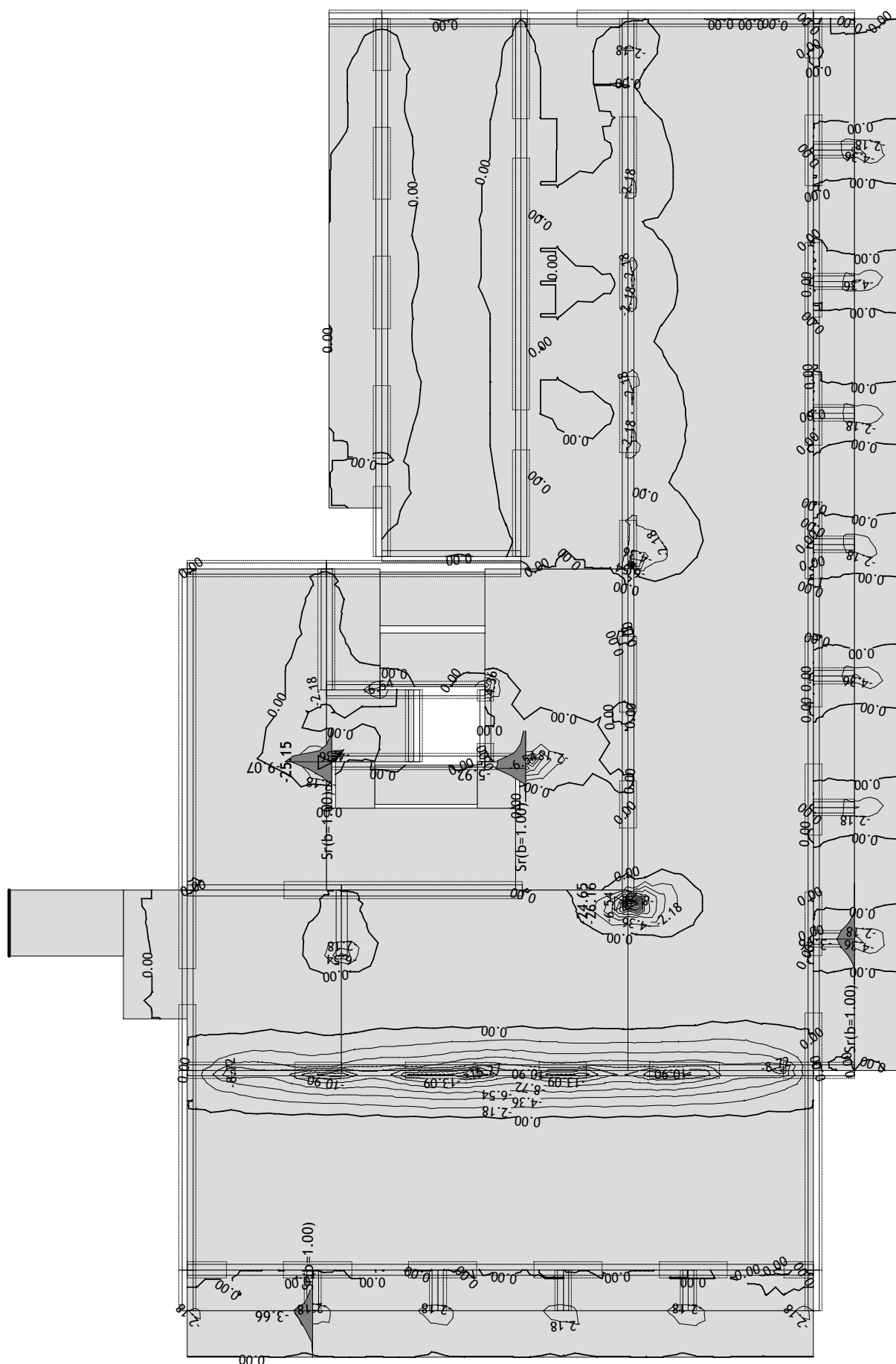
Mjerodavno opterećenje: 1.35x1+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Nivo: ETAŽA 400 [13.23 m]

Aa - d.zona - Pravac 2 - max Aa2,d= 46.41 cm²/m

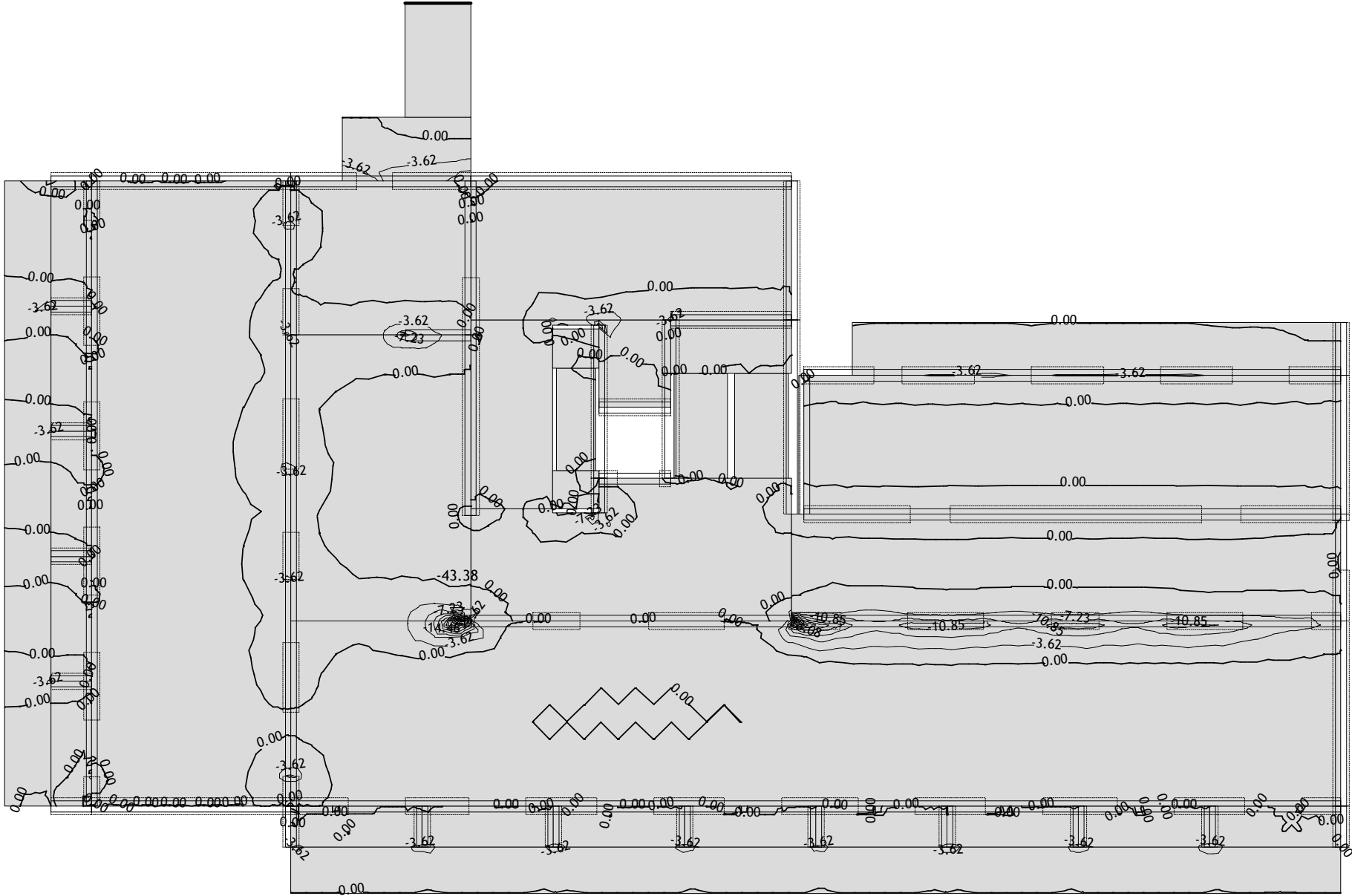
Mjerodavno opterećenje: 1.35xI+1.50xII
 TPBK, C 25/30, B500B, a=3.50 cm



Nivo: ETAŽA 400 [13.23 m]

Aa - g.zona - Pravic 1 - max Aa1,g= -26.16 cm²/m

Mjerodavno opterećenje: 1.35x1+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Nivo: ETAŽA 400 [13.23 m]

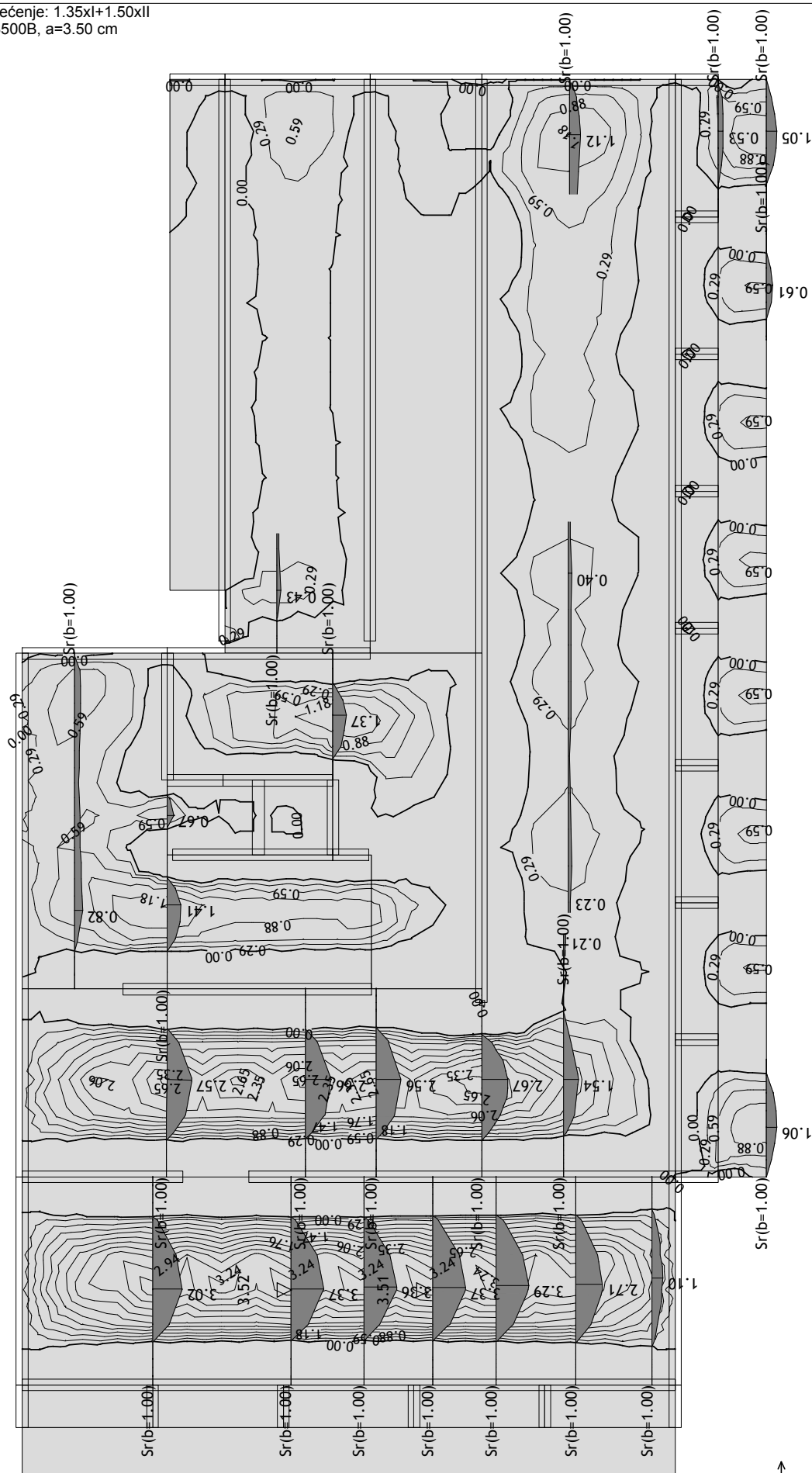
Aa - g-zona - Pravac 2 - max Aa2,g= -43.38 cm²/m

Tower - 3D Model Builder 7.0 - x64 Edition

Registered to CANOSA INŽENJERING d.o.o.

Radiimpex - www.radiimpex.rs

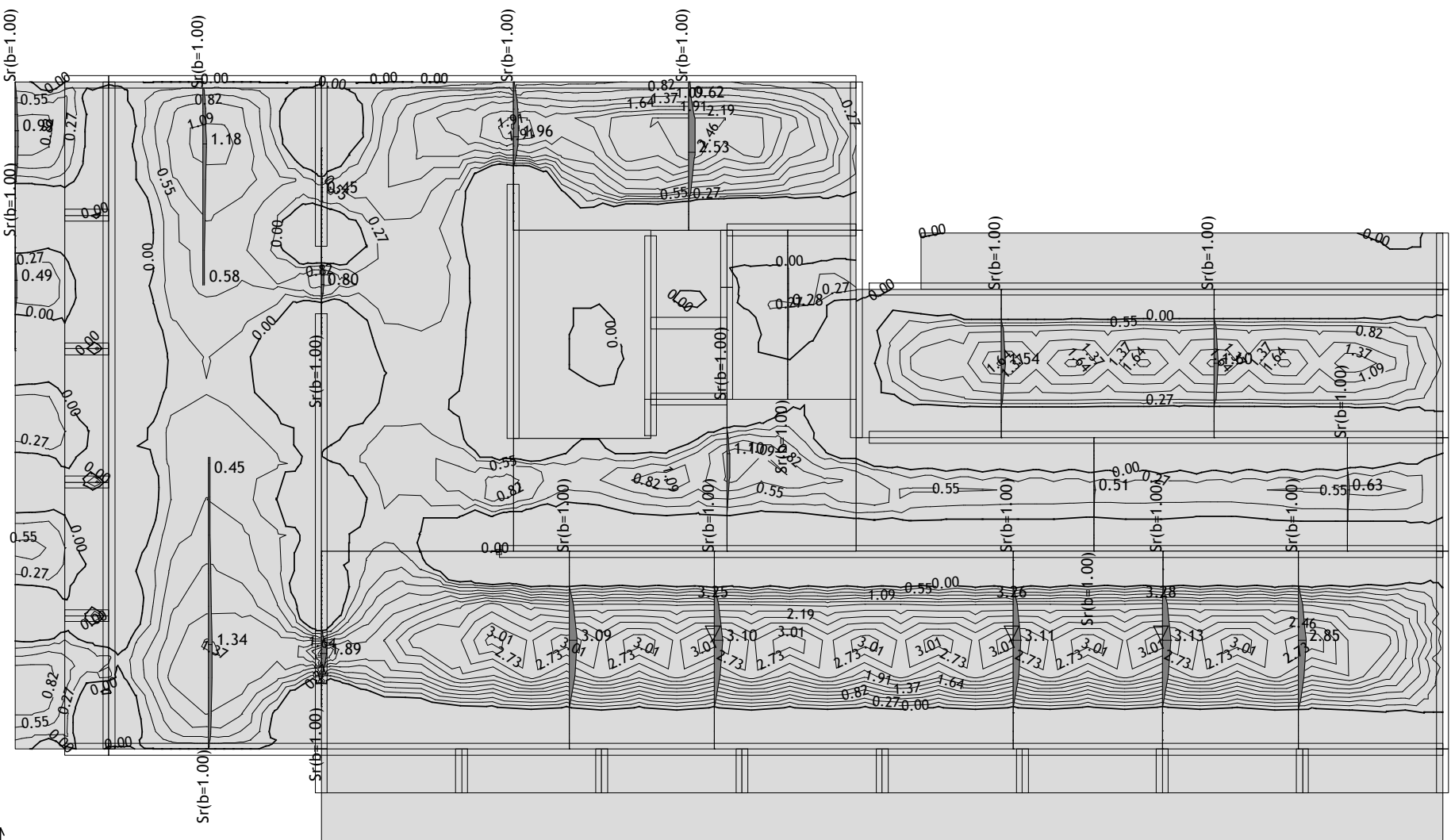
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



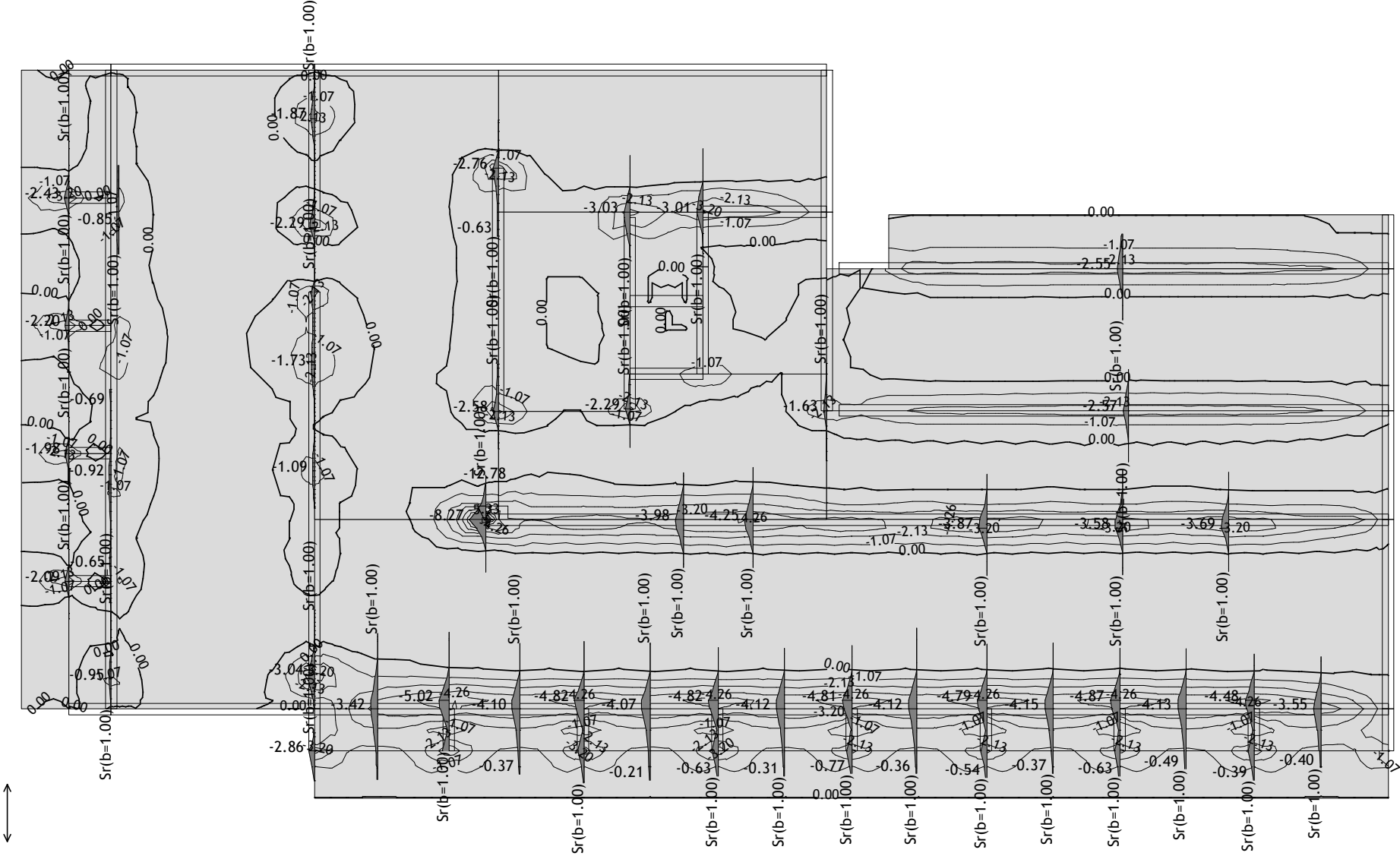
Nivo: ETAŽA 500 [16.46 m]

Aa - d.zona - Pravic 1 - max Aa1,d= 3.52 cm²/m

Mjerodavno opterećenje: 1.35x1+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



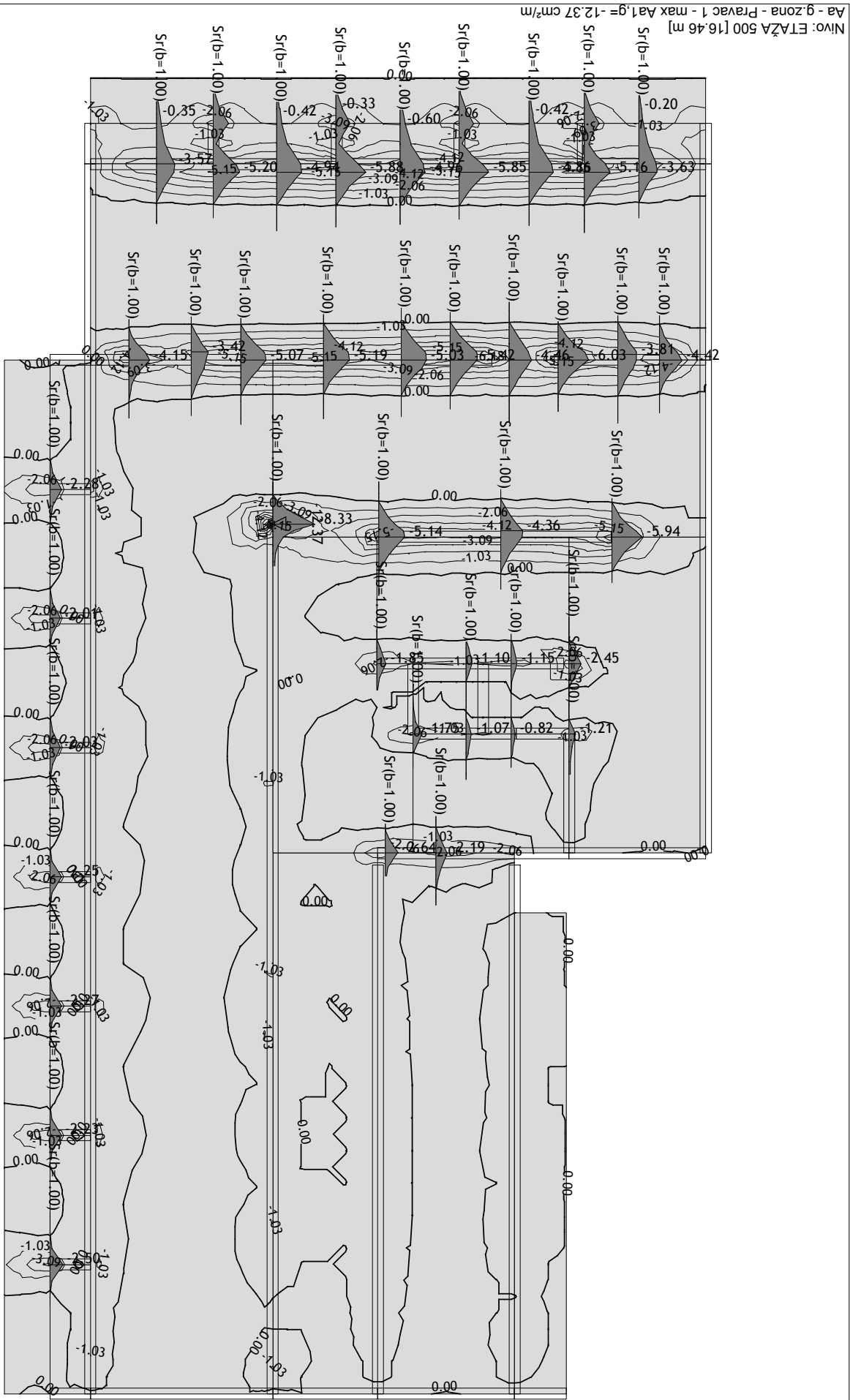
Mjerodavno opterećenje: 1.35x1+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



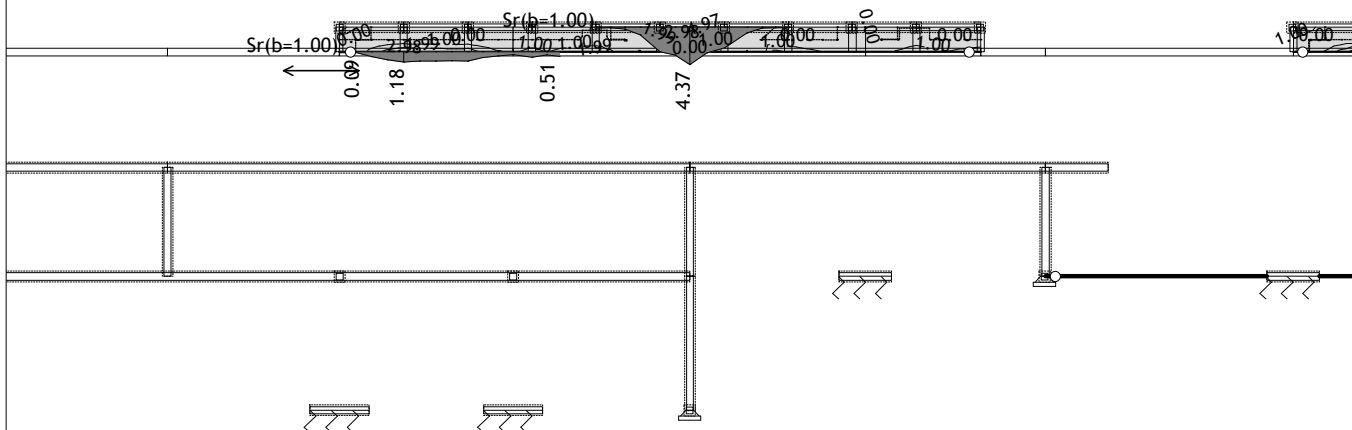
Nivo: ETAŽA 500 [16.46 m]

Aa - g-zona - Pravac 2 - max Aa2,g=-12.78 cm²/m

Mjerodavno opterećenje: $1.35 \times 1 + 1.50 \times II$
TPBK, C 25/30, B500B, $a=3.50$ cm



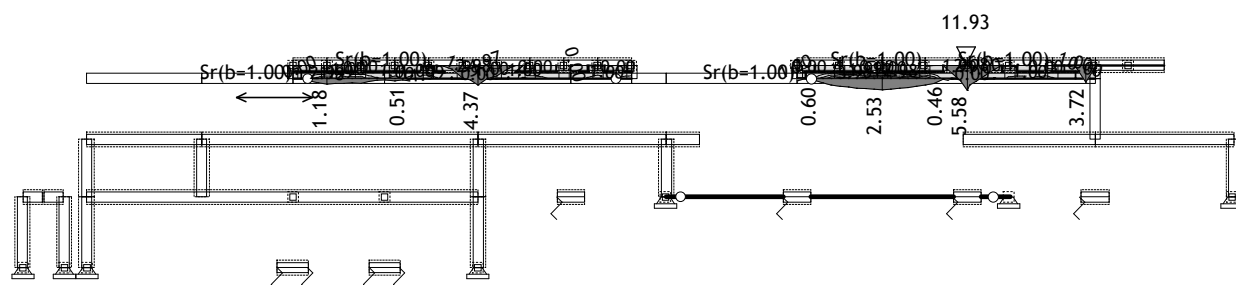
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: H 5

Aa - d.zona - Pravac 1 - max Aa1,d= 11.93 cm²/m

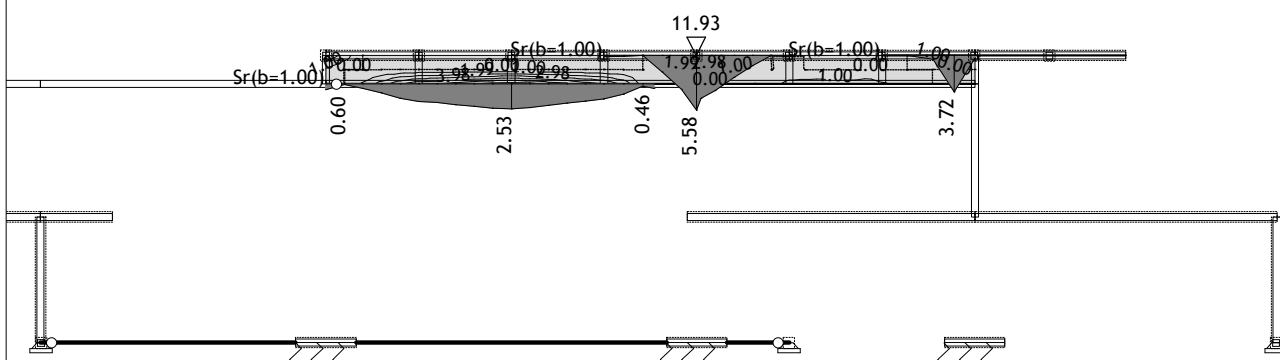
Mjerodavno opterećenje: $1.35xI + 1.50xII$
TPBK, C 25/30, B500B, $a=3.50$ cm



Okvir: H 5

Aa - d.zona - Pravic 1 - max Aa1,d= 11.93 cm²/m

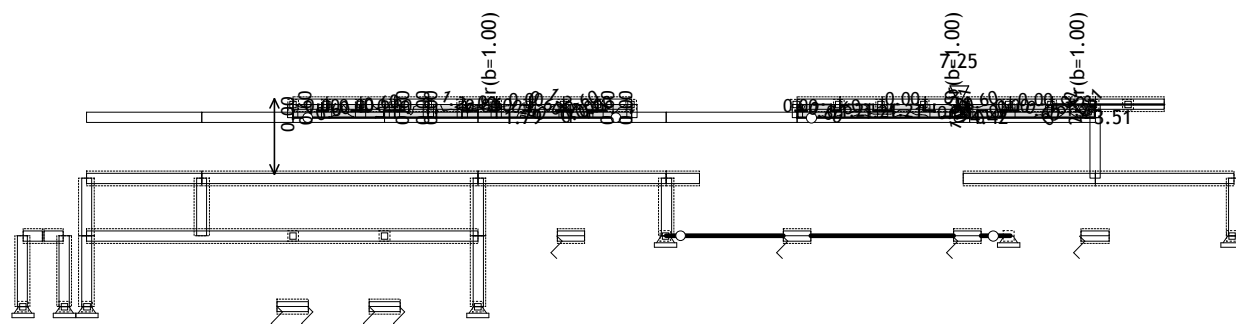
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: H_5

Aa - d.zona - Pramac 1 - max Aa1,d= 11.93 cm²/m

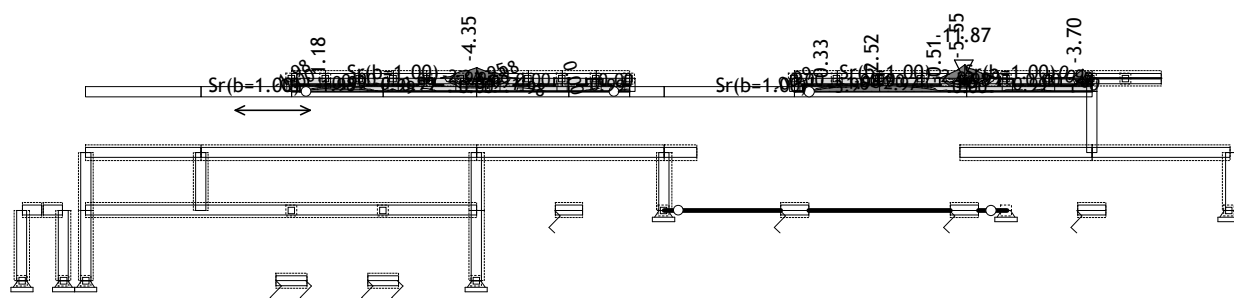
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: H_5

Aa - d.zona - Pramac 2 - max Aa2,d= 7.25 cm²/m

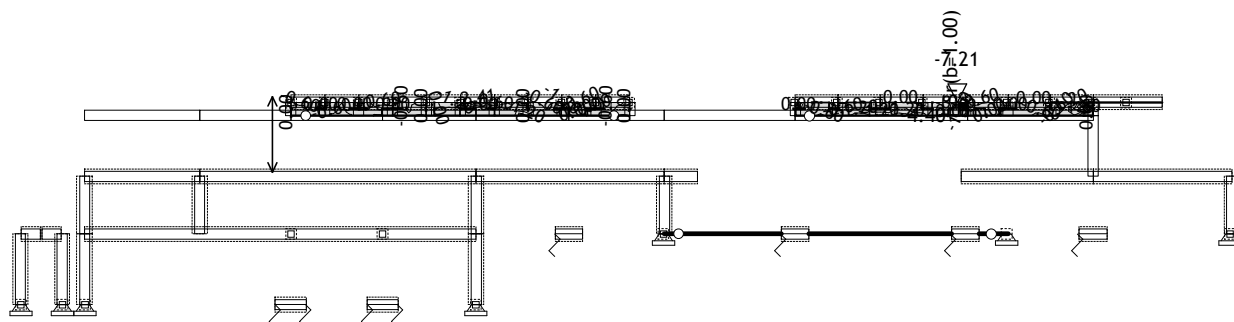
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: H_5

Aa - g.zona - Pravac 1 - max Aa1,g= -11.87 cm²/m

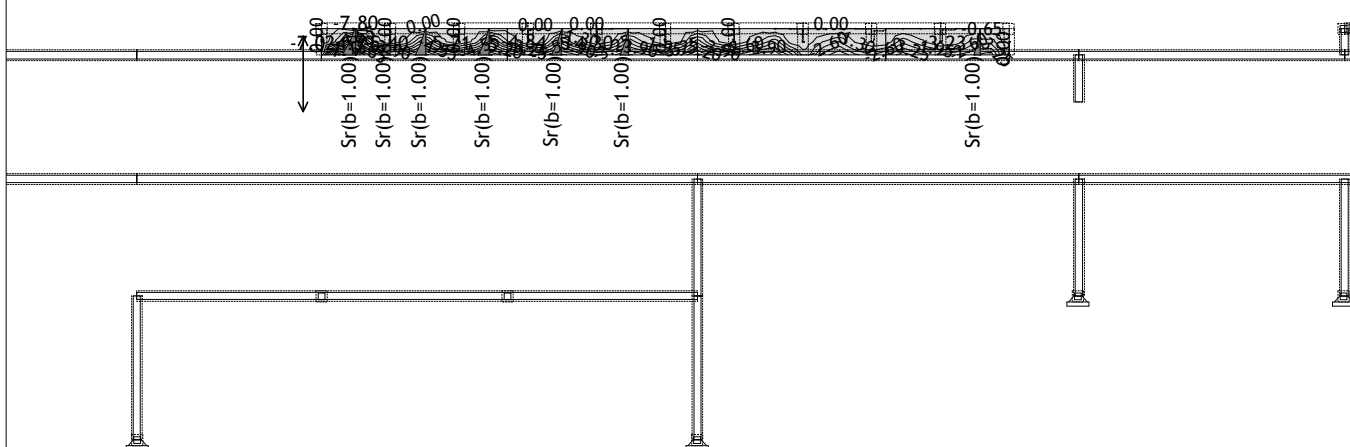
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: H_5

Aa - g.zona - Pravac 2 - max Aa2,g= -7.21 cm²/m

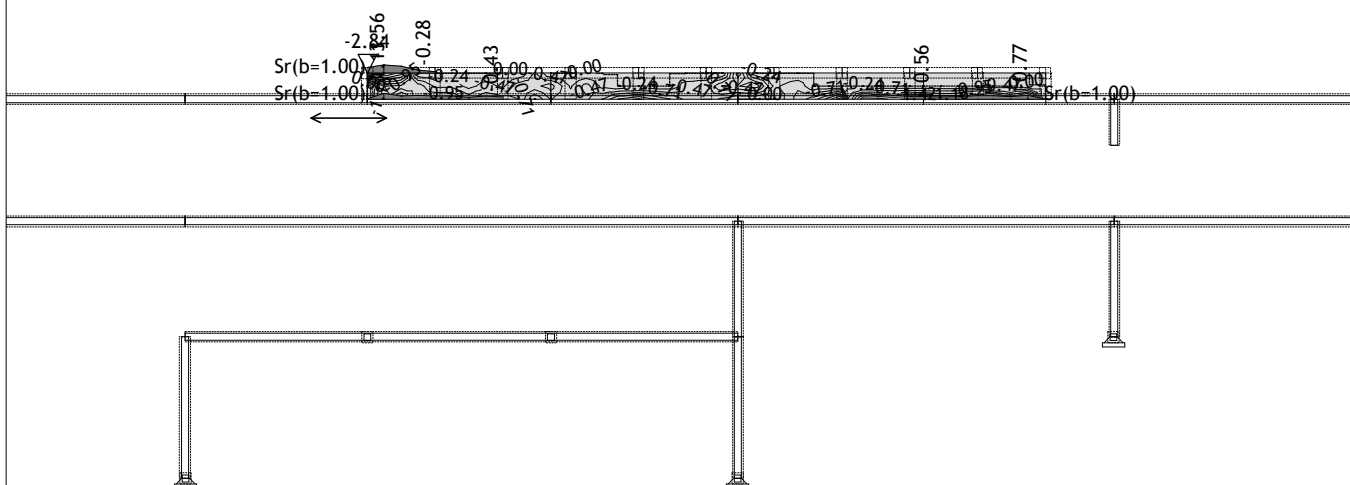
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: H_11

Aa - g.zona - Pramac 2 - max Aa2,g= -7.80 cm²/m

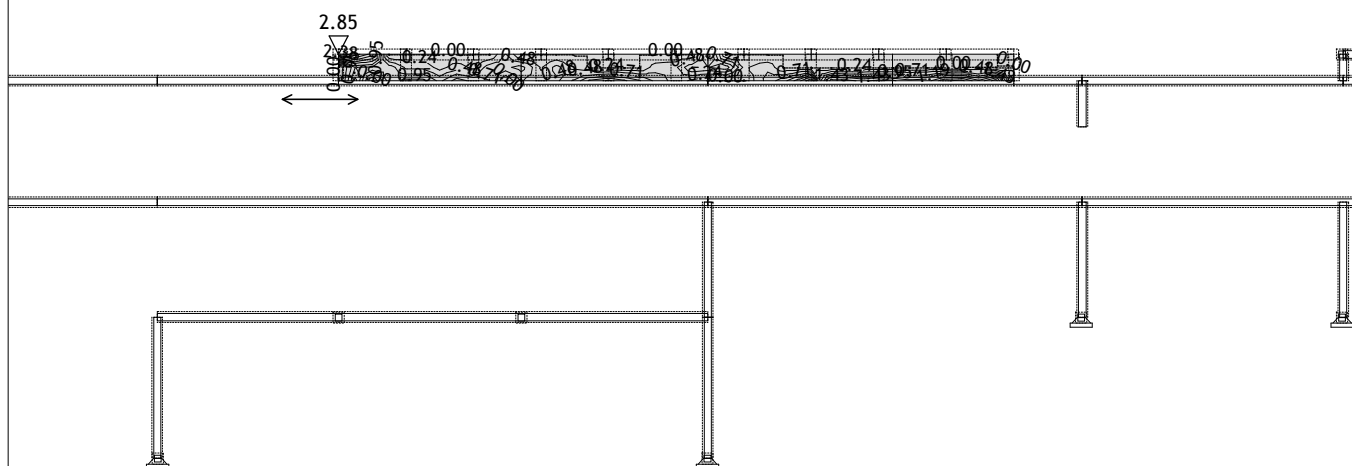
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: H_11

Aa - g.zona - Pramac 1 - max Aa1,g= -2.84 cm²/m

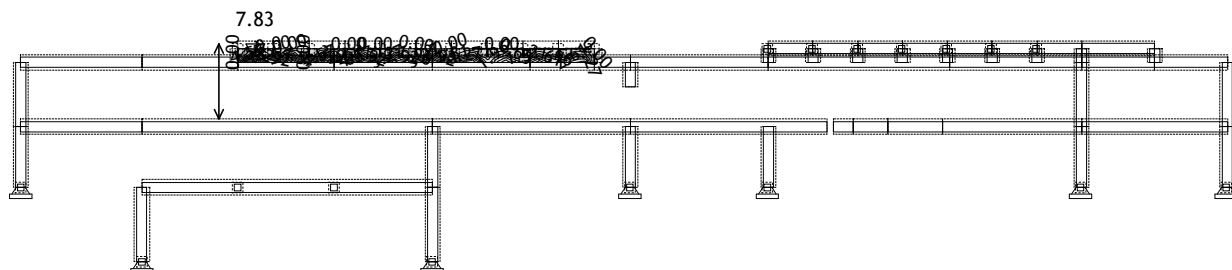
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: H_11

Aa - d.zona - Pramac 1 - max Aa1,d= 2.85 cm²/m

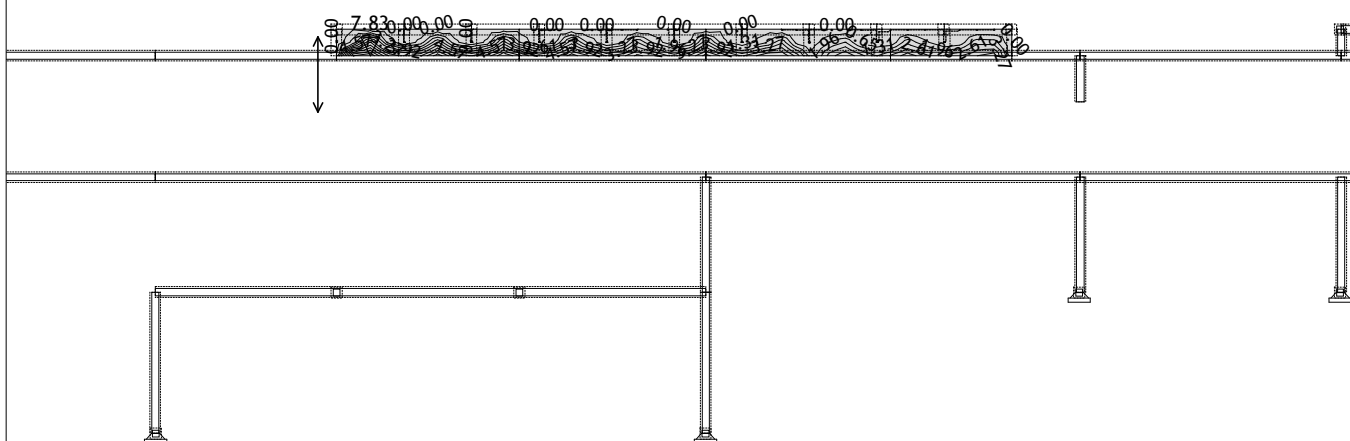
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: H_11

Aa - d.zona - Pramac 2 - max Aa2,d= 7.83 cm²/m

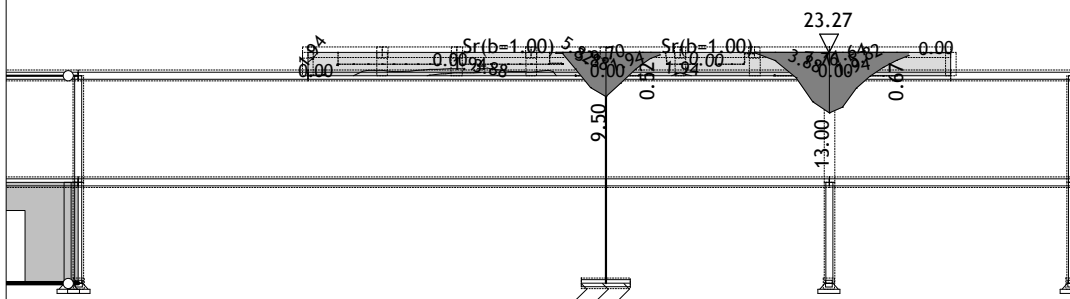
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: H_11

Aa - d.zona - Pramac 2 - max Aa2,d= 7.83 cm²/m

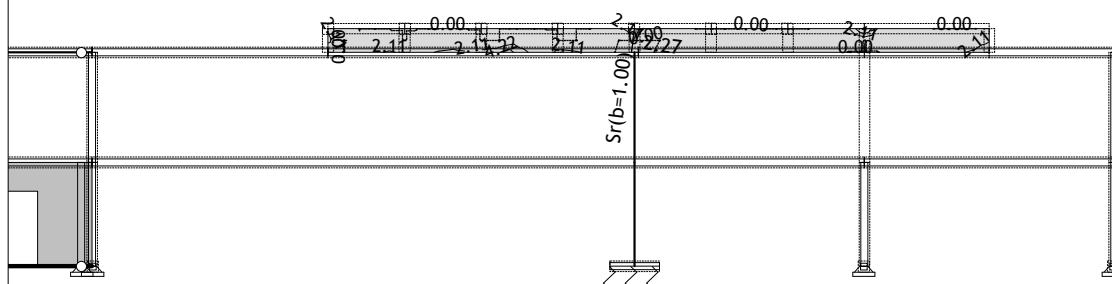
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: H_12

Aa - d.zona - Pramac 1 - max Aa1,d= 23.27 cm²/m

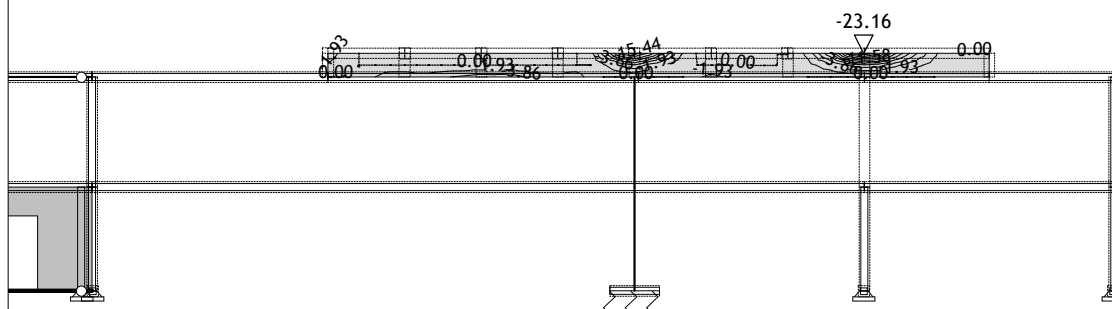
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: H_12

Aa - d.zona - Pravic 2 - max Aa2,d= 25.30 cm²/m

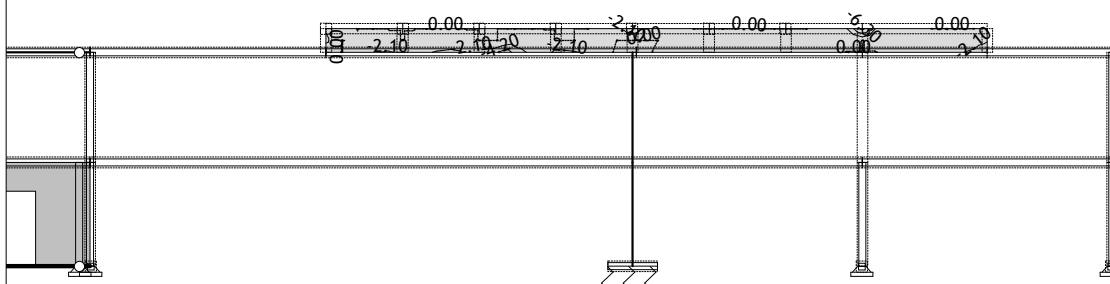
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: H_12

Aa - g.zona - Pravic 1 - max Aa1,g= -23.16 cm²/m

TPBK, C 25/30, B500B, a=3.50 cm

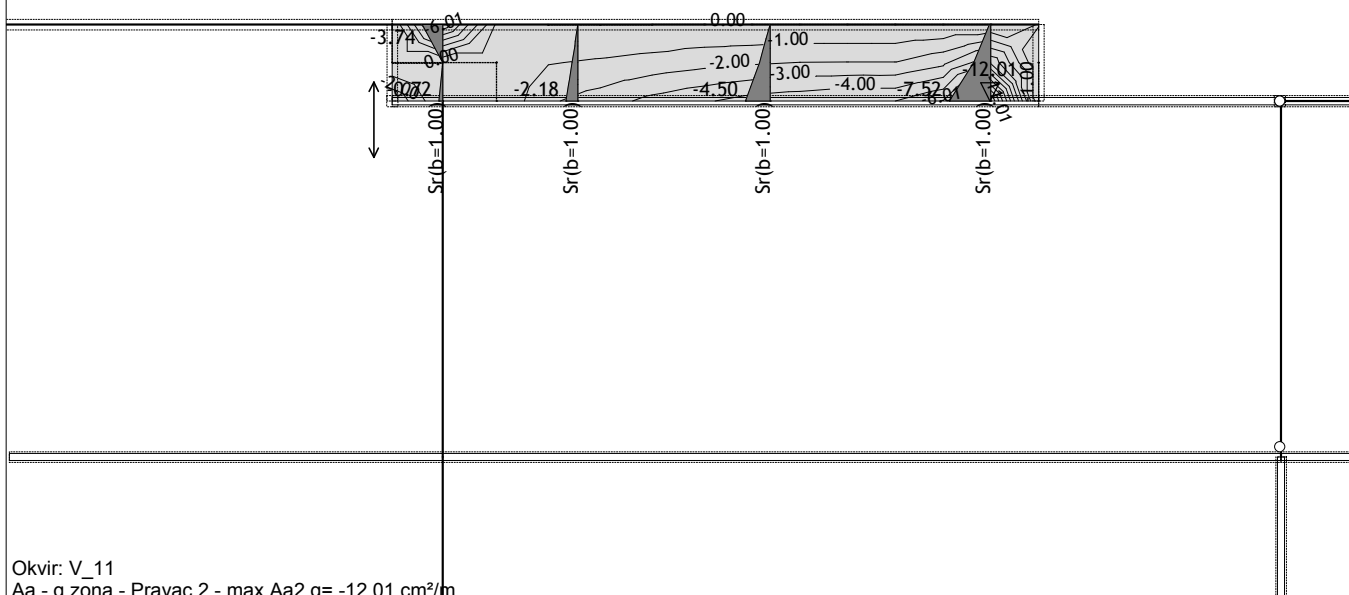


Okvir: H_12

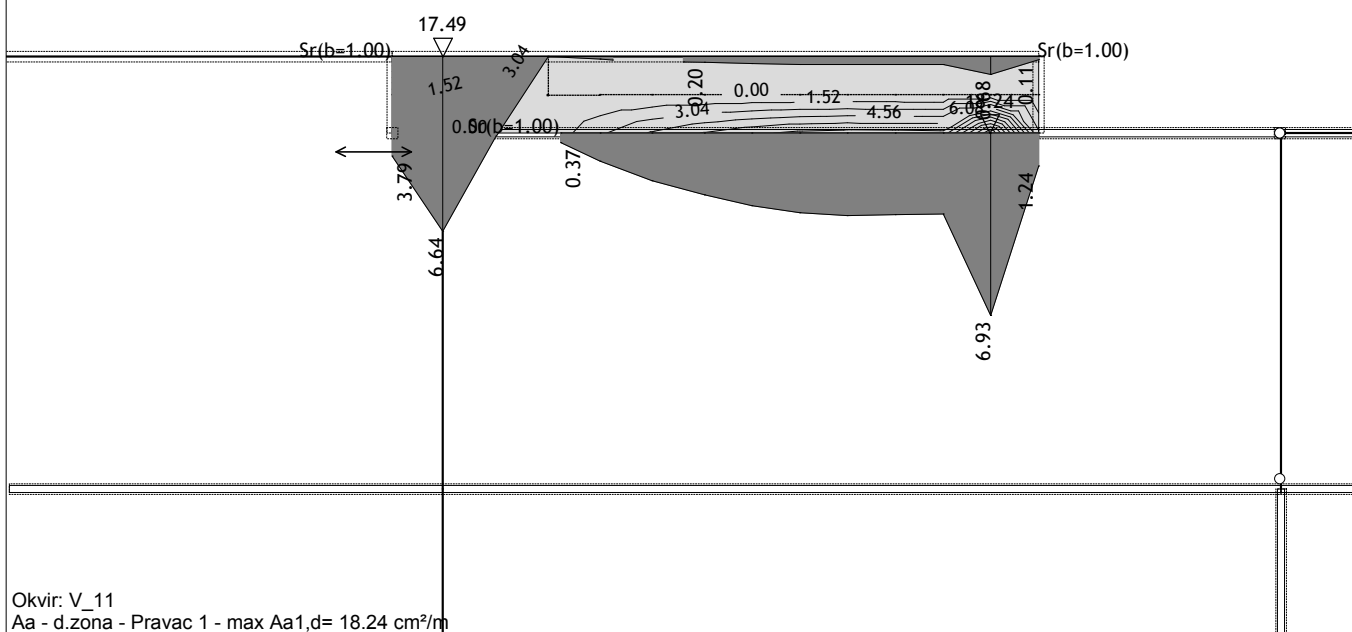
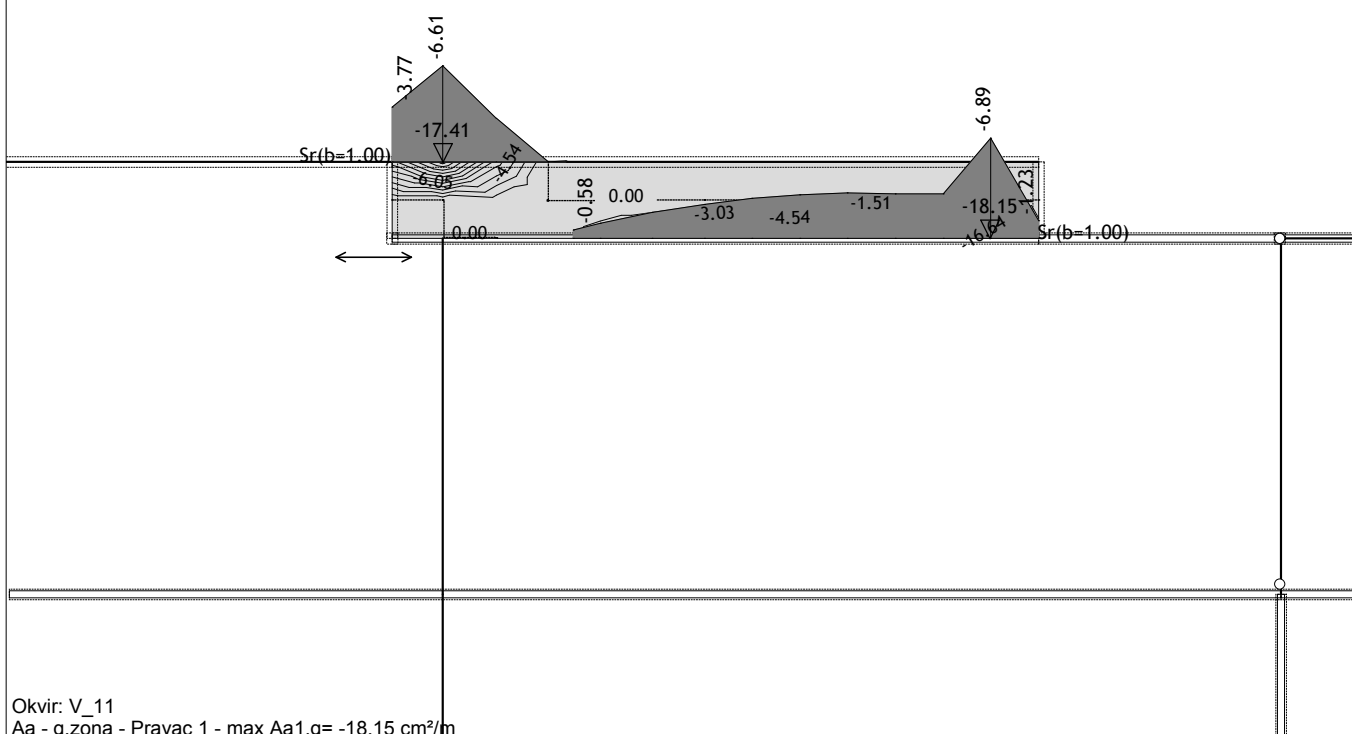
Aa - g.zona - Pravic 2 - max Aa2,g= -25.18 cm²/m

Mjerodavno opterećenje: 1.35xI+1.50xII

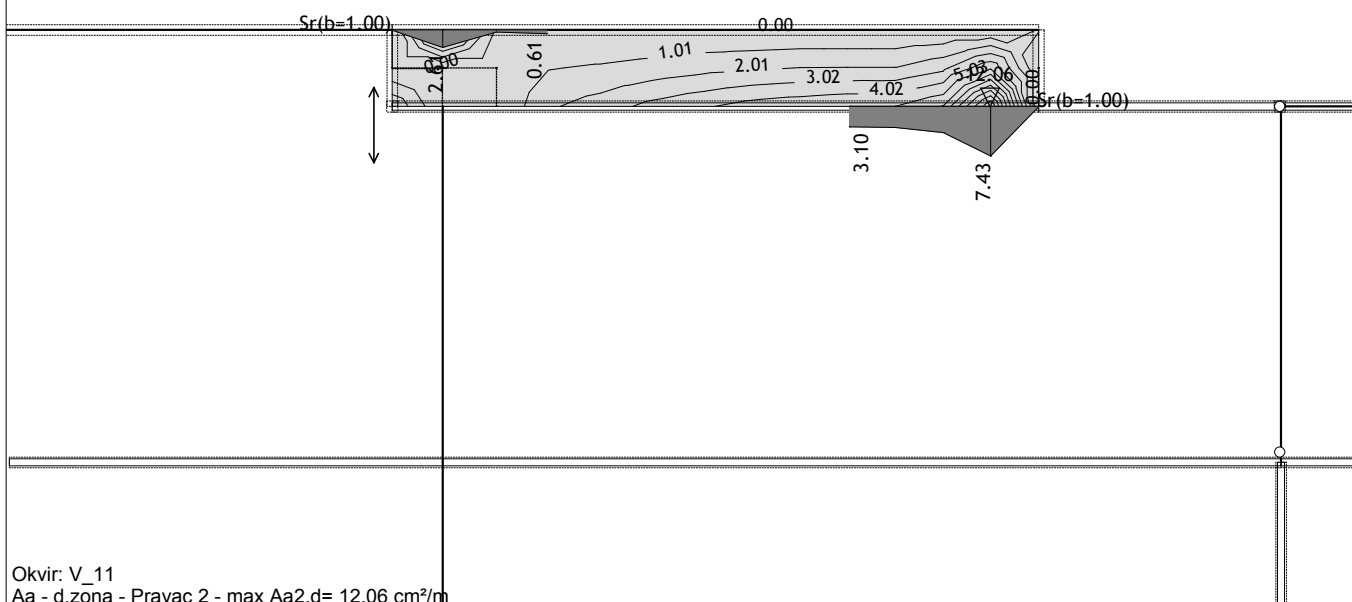
TPBK, C 25/30, B500B, a=3.50 cm



Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



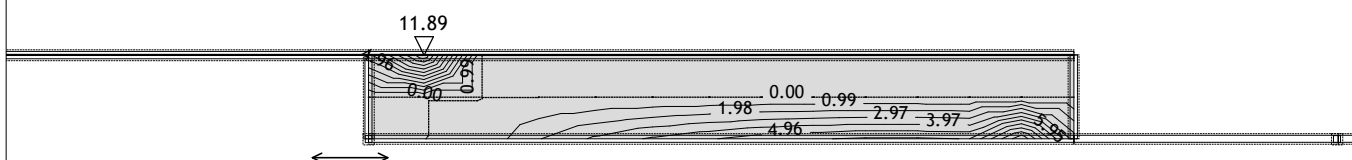
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: V_11

Aa - d.zona - Pravac 2 - max Aa2,d= 12.06 cm²/m

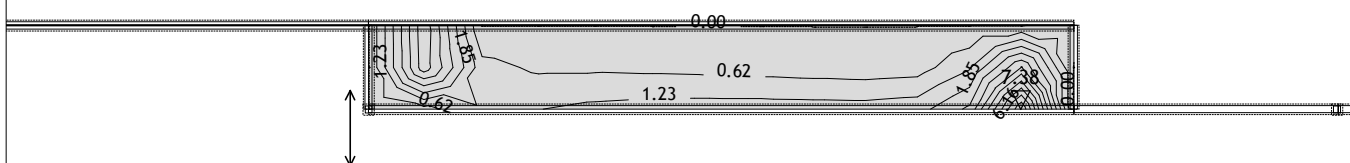
Mjerodavno opterećenje: $1.35xI + 1.50xII$
TPBK, C 25/30, B500B, $a=3.50$ cm



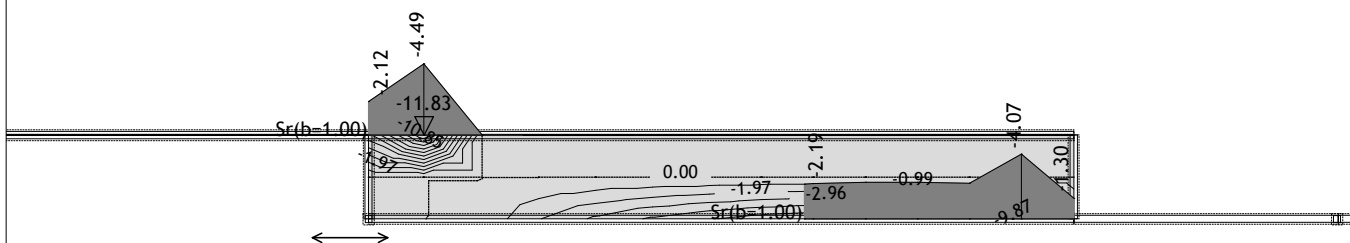
Okvir: V_12

Aa - d.zona - Pravic 1 - max Aa1,d= 11.89 cm²/m

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm

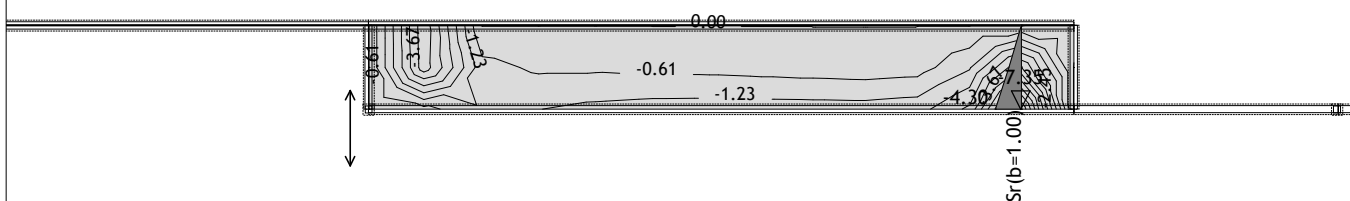


Okvir: V_12
Aa - d.zona - Pravic 2 - max Aa2,d= 7.38 cm²/m
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm

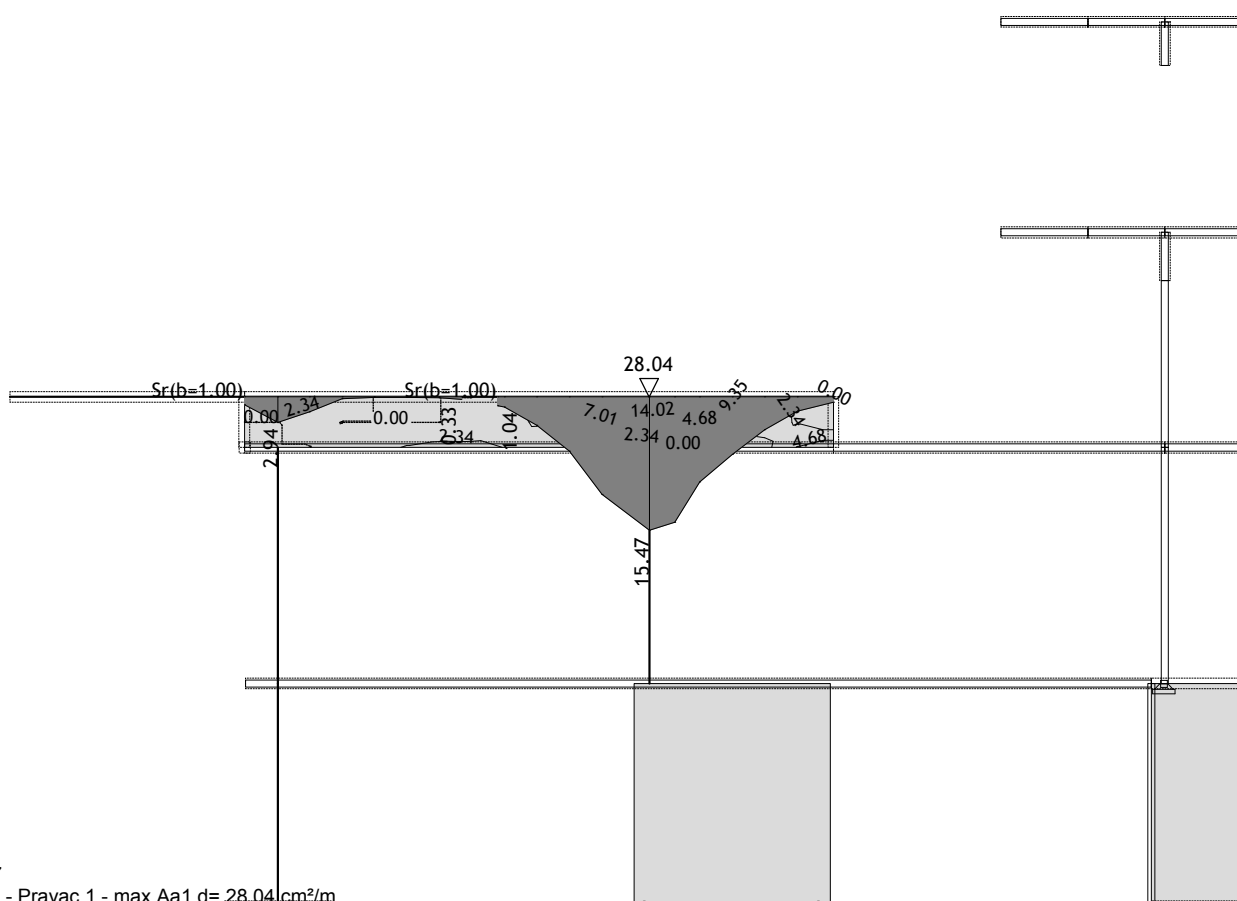


Okvir: V_12
Aa - g.zona - Pravic 1 - max Aa1,g= -11.83 cm²/m

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm

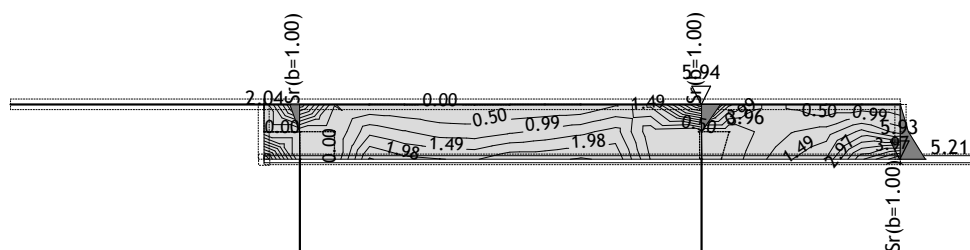


Okvir: V_12
Aa - g.zona - Pravec 2 - max Aa2,g= -7.35 cm²/m
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: V_37
Aa - d.zona - Pravic 1 - max Aa1,d= 28.04 cm²/m

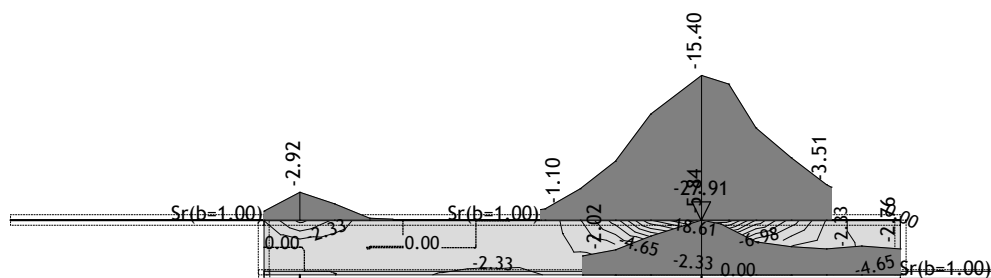
Mjerodavno opterećenje: 1.35xl+1.50xll
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: V_37

Aa - d.zona - Pravic 2 - max Aa2,d= 5.94 cm²/m

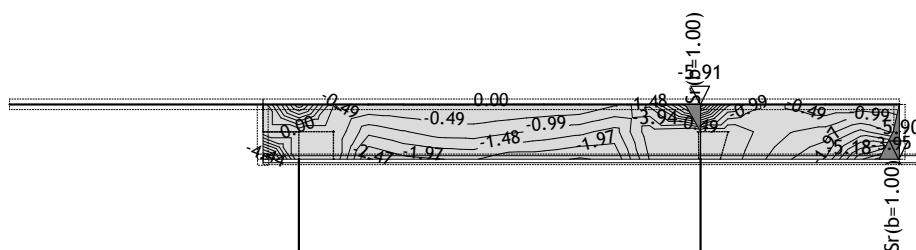
Mjerodavno opterećenje: 1.35xl+1.50xll
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: V_37

Aa - g.zona - Pravic 1 - max Aa1,g= -27.91 cm²/m

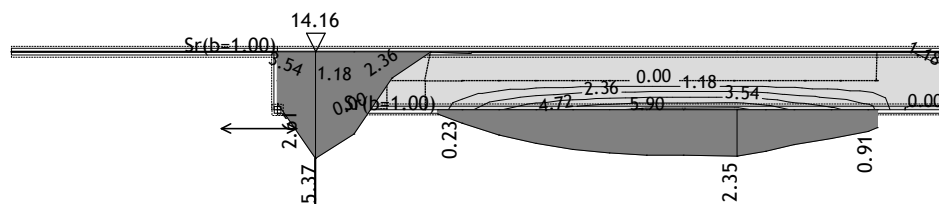
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: V_37

Aa - g.zona - Pravic 2 - max Aa2,g= -5.91	cm ² /m
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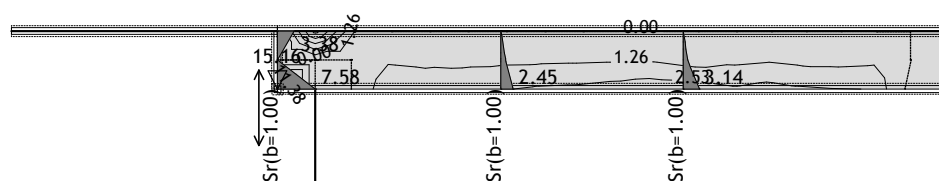
Mjerodavno opterećenje: $1.35xI + 1.50xII$
TPBK, C 25/30, B500B, $a=3.50$ cm



Okvir: V_46

Aa - d.zona - Pravic 1 - max Aa1,d= 14.16 cm²/m

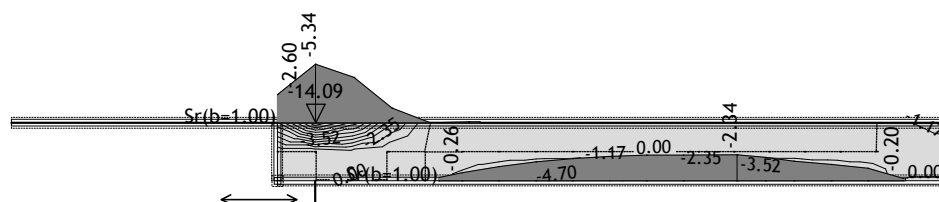
Mjerodavno opterećenje: 1.35xl+1.50xll
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: V_46

Aa - d.zona - Pramac 2 - max Aa2,d= 15.16 cm²/m

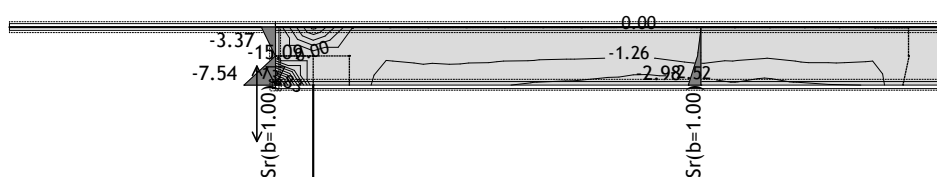
Mjerodavno opterećenje: 1.35xl+1.50xll
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: V_46

Aa - g.zona - Pramac 1 - max Aa1,g= -14.09 cm²/m

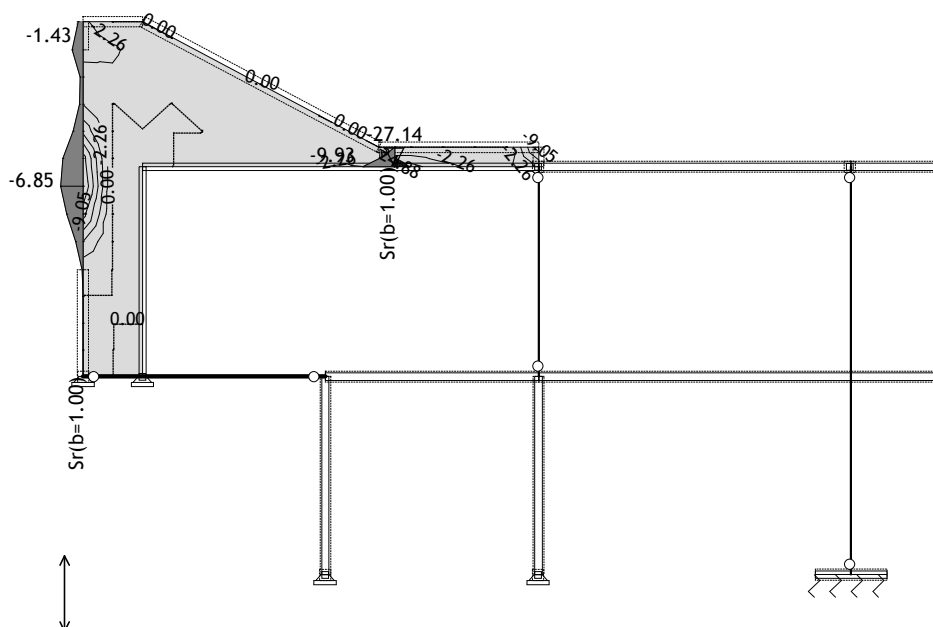
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: V_46

Aa - g.zona - Pravac 2 - max Aa2,g= -15.09 cm²/m

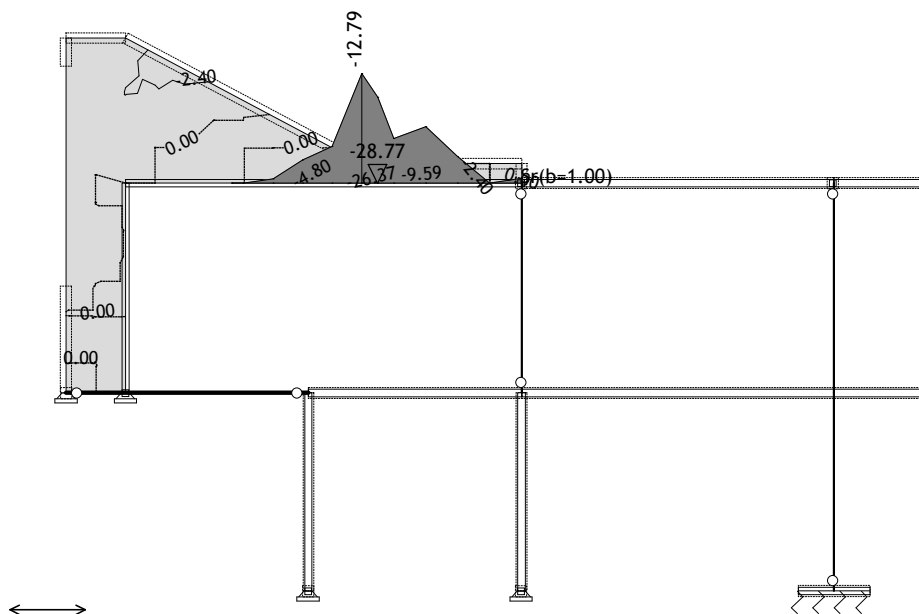
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: H_19

Aa - g.zona - Pravac 2 - max Aa2,g= -27.14 cm²/m

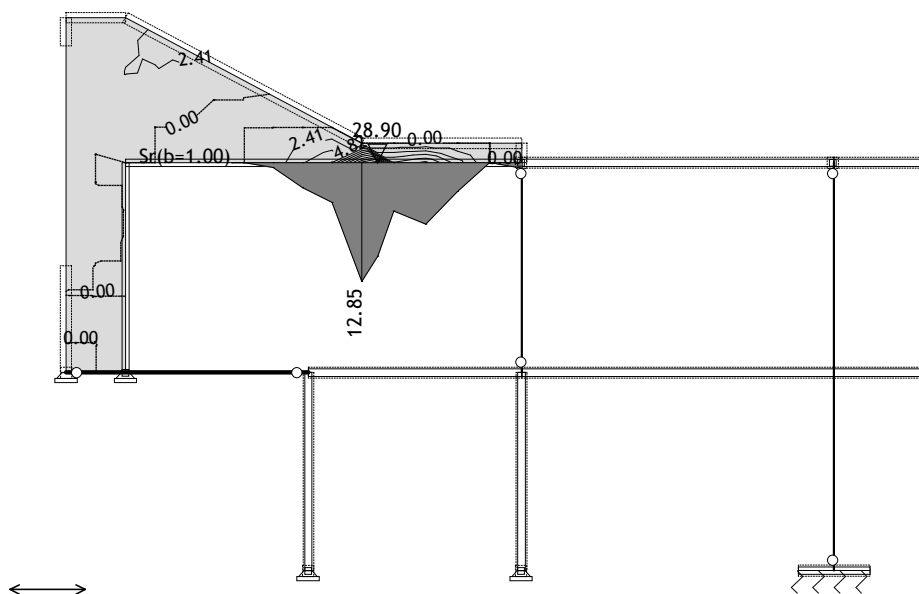
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: H_19

Aa - g.zona - Pravac 1 - max Aa1,g= -28.77 cm²/m

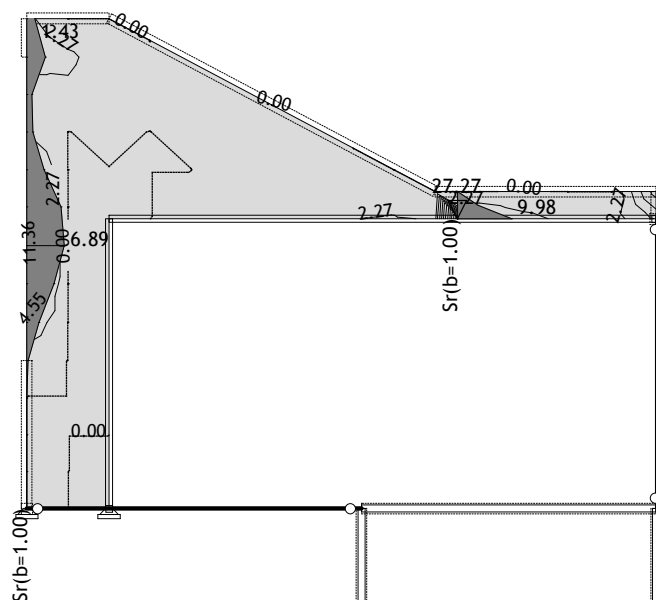
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: H_19

Aa - d.zona - Pravac 1 - max Aa1,d= 28.90 cm²/m

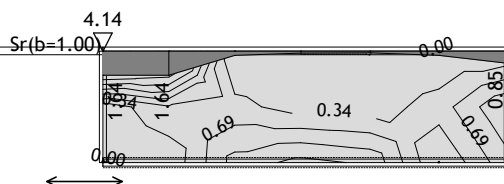
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: H 19

Aa - d.zona - Pravac 2 - max Aa2,d= 27.27 cm²/m

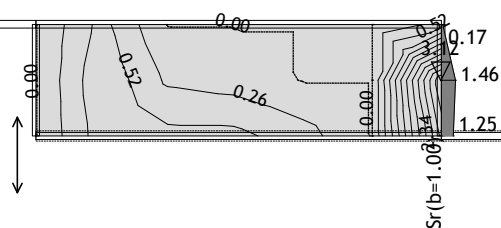
Mjerodavno opterećenje: $1.35xI + 1.50xII$
TPBK, C 25/30, B500B, $a=3.50$ cm



Okvir: V_52

Aa - d.zona - Pravic 1 - max Aa1,d= 4.14 cm²/m

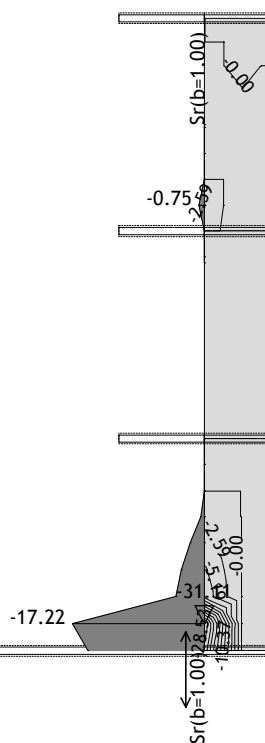
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: V_52

Aa - d.zona - Pramac 2 - max Aa2,d= 3.12 cm²/m

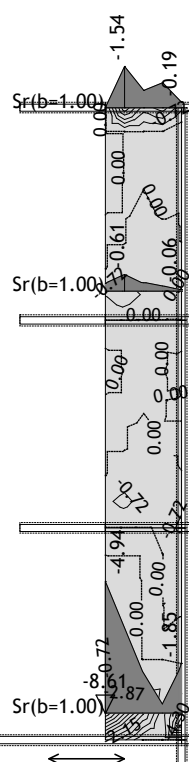
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: H_31

Aa - g.zona - Pramac 2 - max Aa2,g= -31.11 cm²/m

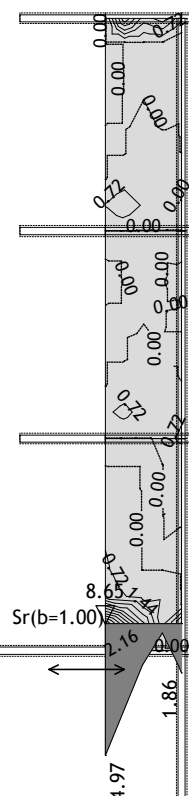
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: H_31

Aa - g.zona - Pramac 1 - max Aa1,g= -8.61 cm²/m

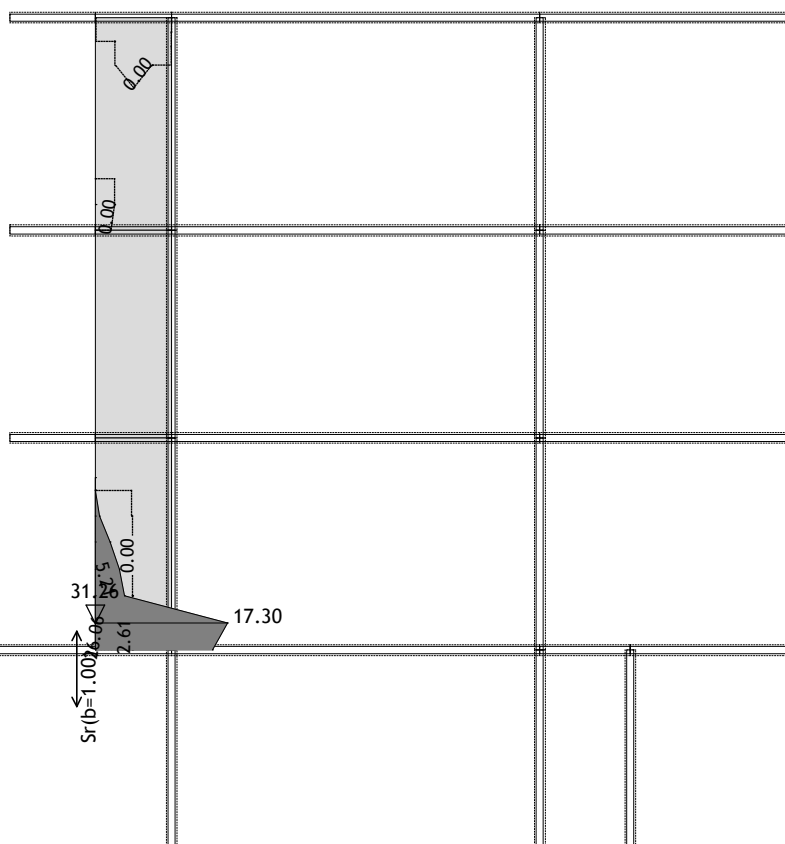
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: H_31

Aa - d.zona - Pramac 1 - max Aa1,d= 8.65 cm²/m

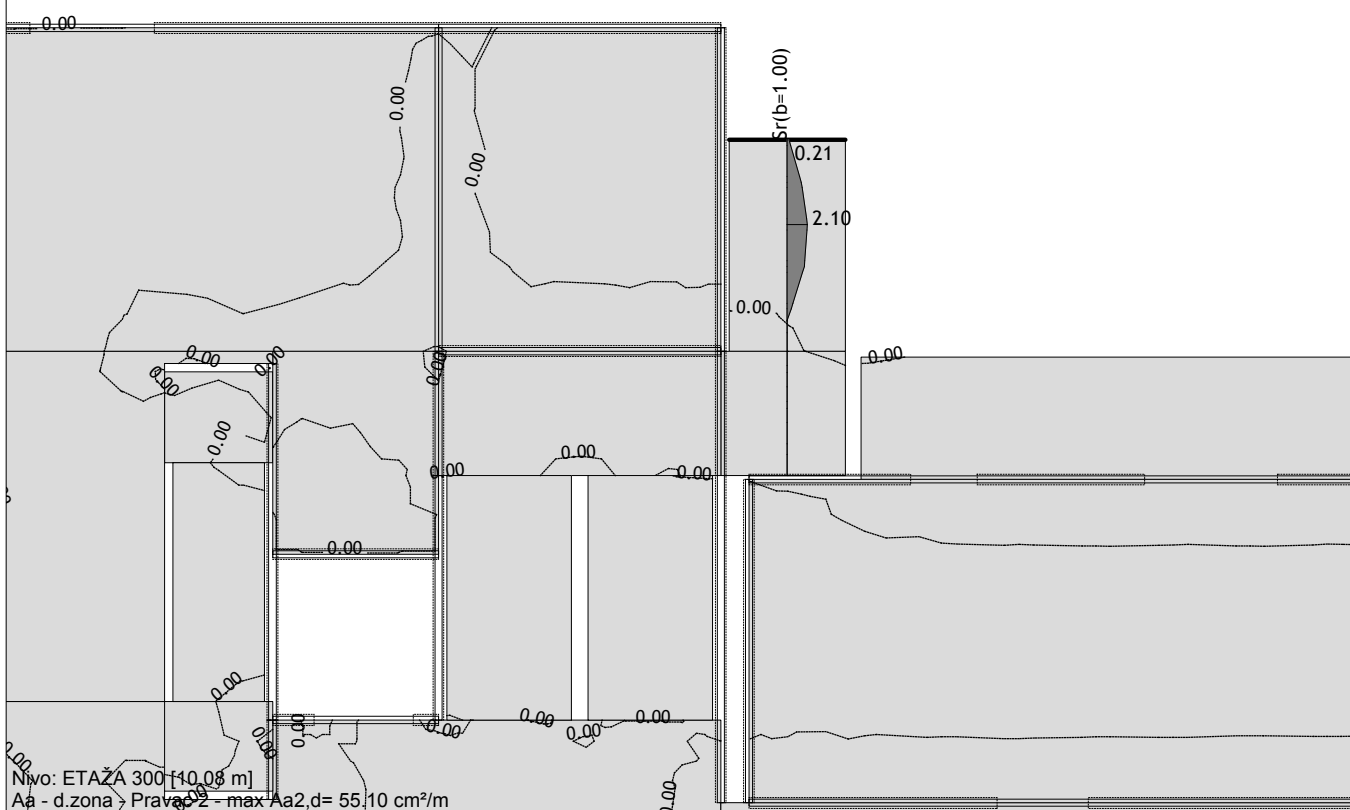
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Okvir: H_31

Aa - d.zona - Pravac 2 - max Aa2,d= 31.26 cm²/m

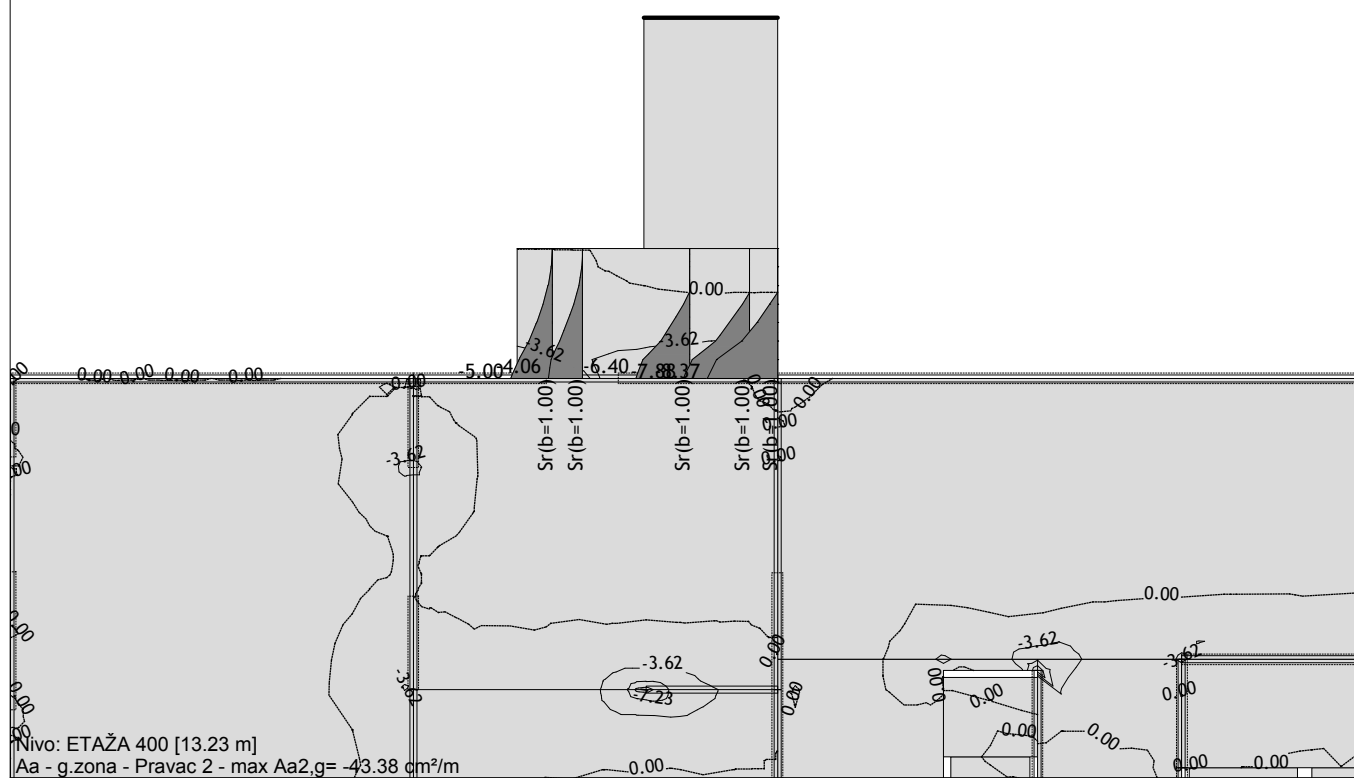
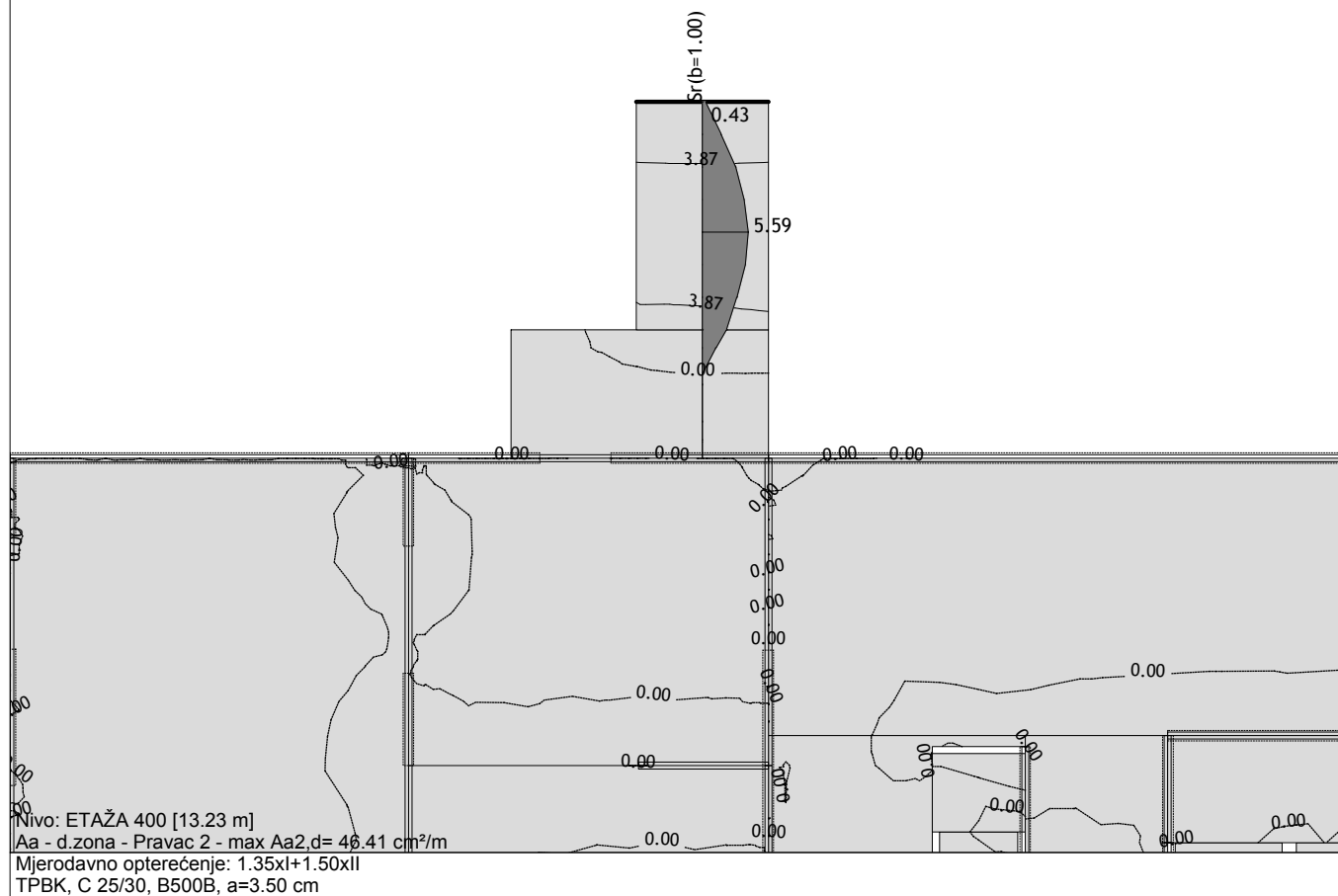
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



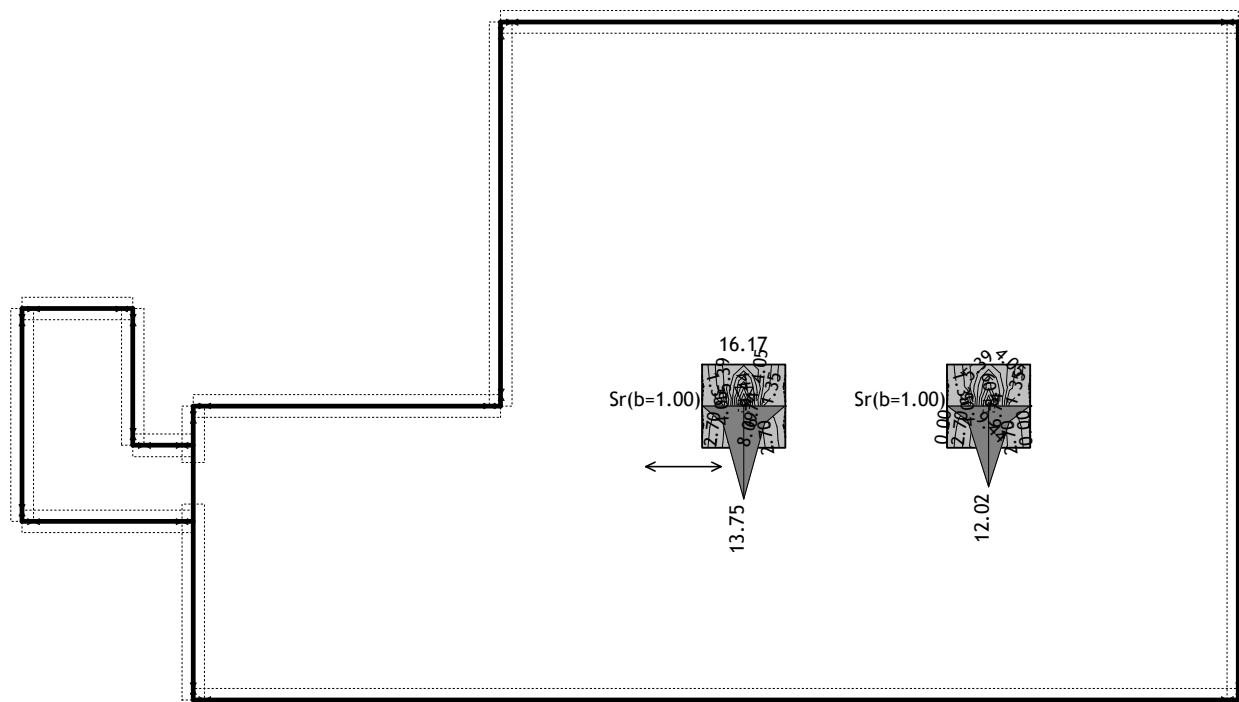
Nivo: ETAŽA 300 [10.08 m]

Aa - d.zona - Pravac 2 - max Aa2,d= 55.10 cm²/m

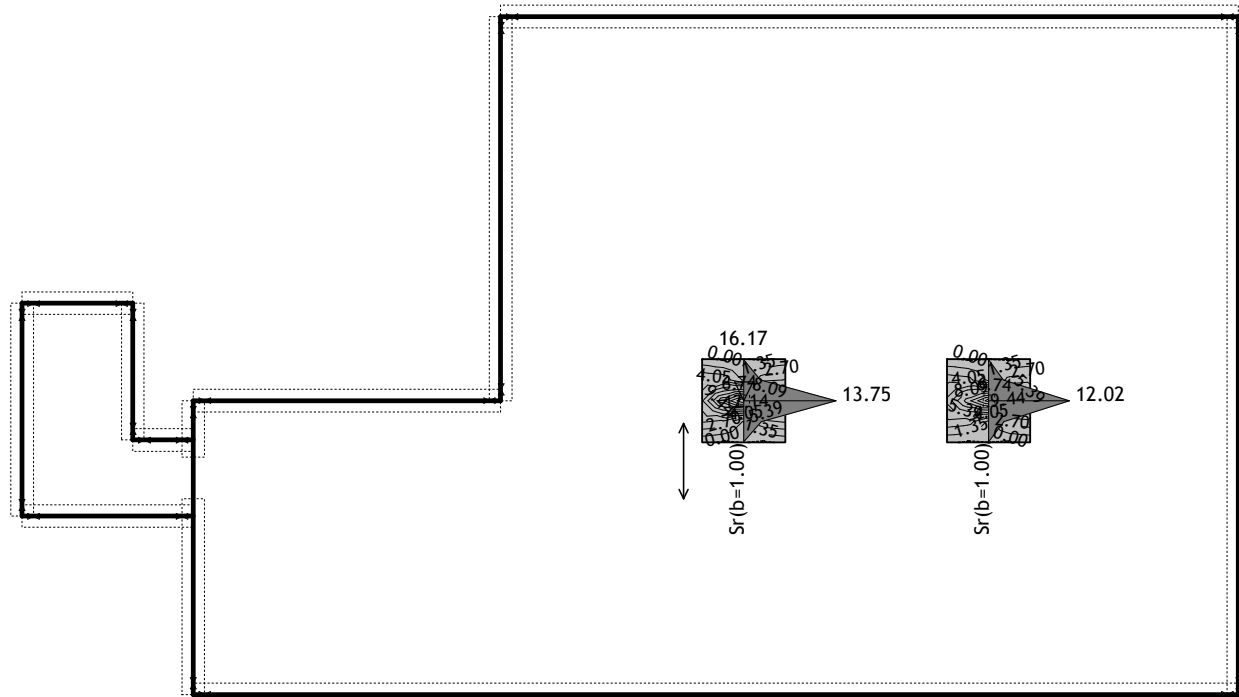
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C 25/30, B500B, a=3.50 cm



Mjerodavno opterećenje: 5-16
TPBK, C 25/30, B500B, a=4.50 cm

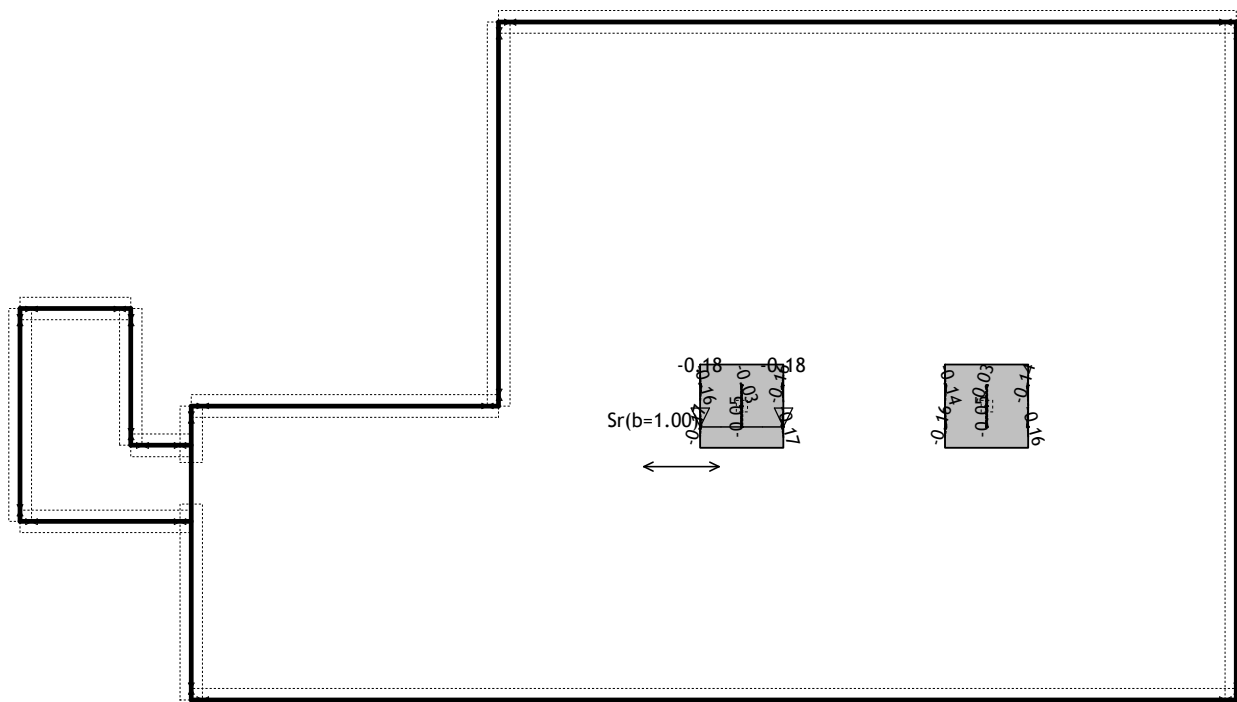


Nivo: TEMELJI 1 [-4.09 m]
Aa - d.zona - Pravac 1 - max Aa1,d= 16.17 cm²/m
Mjerodavno opterećenje: 5-16
TPBK, C 25/30, B500B, a=4.50 cm

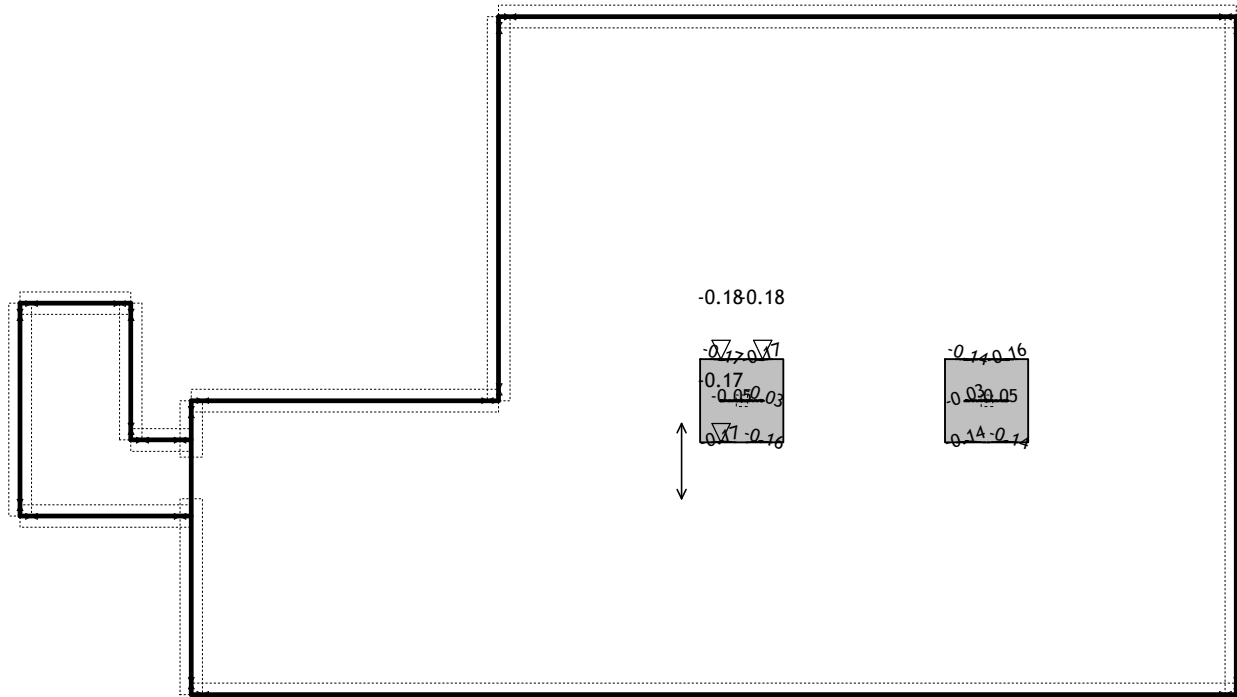


Nivo: TEMELJI 1 [-4.09 m]
Aa - d.zona - Pravac 2 - max Aa2,d= 16.17 cm²/m

Mjerodavno opterećenje: 5-16
TPBK, C 25/30, B500B, a=4.50 cm

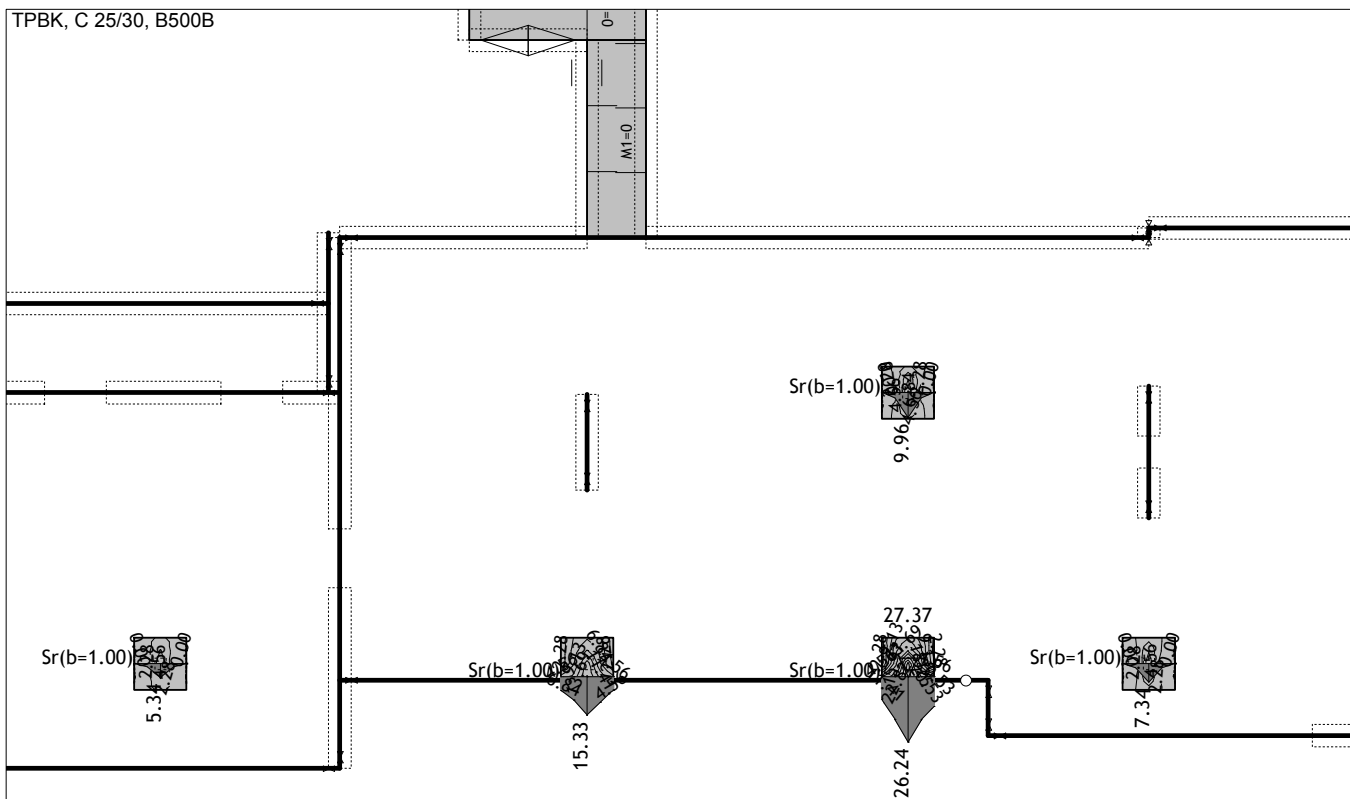


Nivo: TEMELJI 1 [-4.09 m]
Aa - g.zona - Pravac 1 - max Aa1,g= -0.18 cm²/m
Mjerodavno opterećenje: 5-16
TPBK, C 25/30, B500B, a=4.50 cm



Nivo: TEMELJI 1 [-4.09 m]
Aa - g.zona - Pravac 2 - max Aa2,g= -0.18 cm²/m

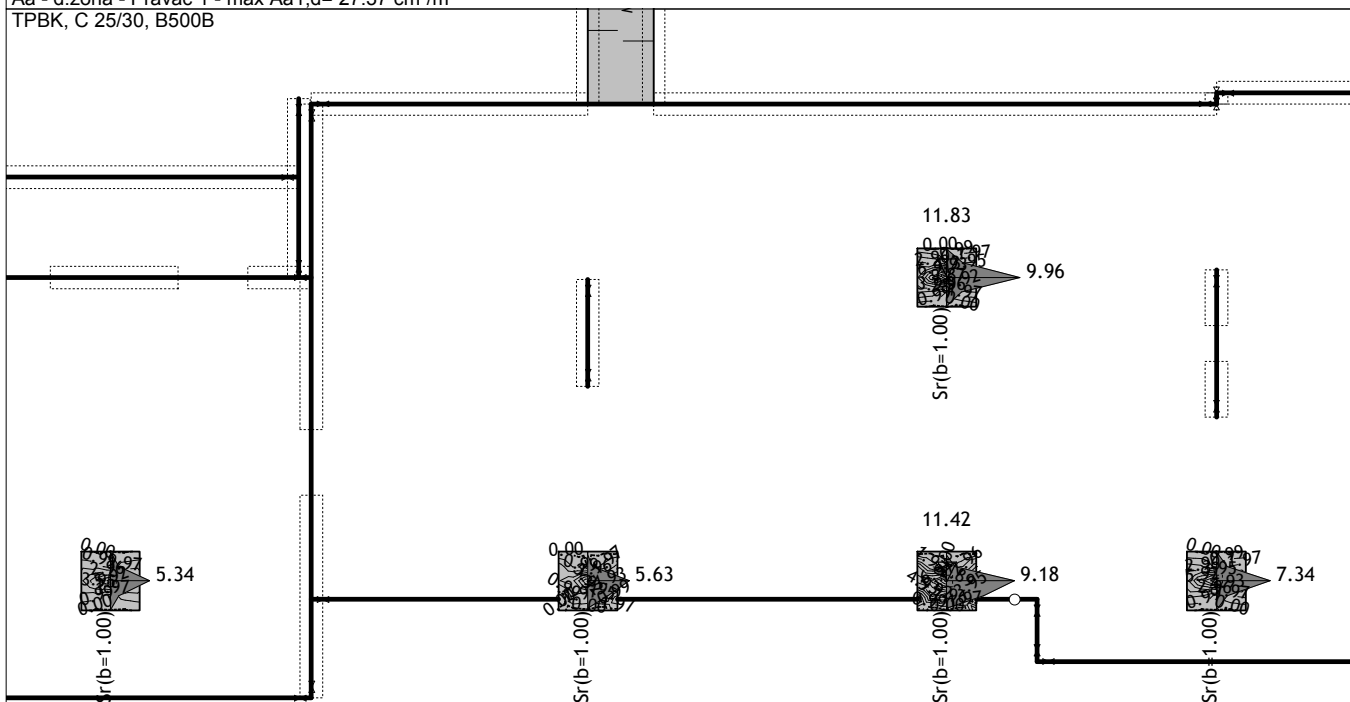
TPBK, C 25/30, B500B



Nivo: ETAŽA 000-TEMELJI 2 [0.00 m]

Aa - d.zona - Pravic 1 - max Aa1,d= 27.37 cm²/m

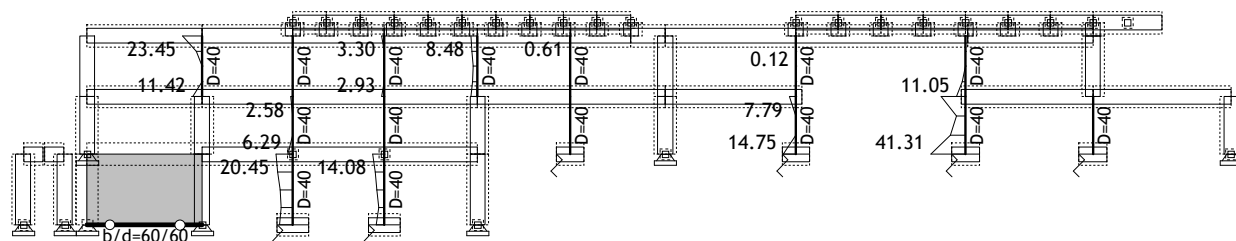
TPBK, C 25/30, B500B



Nivo: ETAŽA 000-TEMELJI 2 [0.00 m]

Aa - d.zona - Pravic 2 - max Aa2,d= 11.83 cm²/m

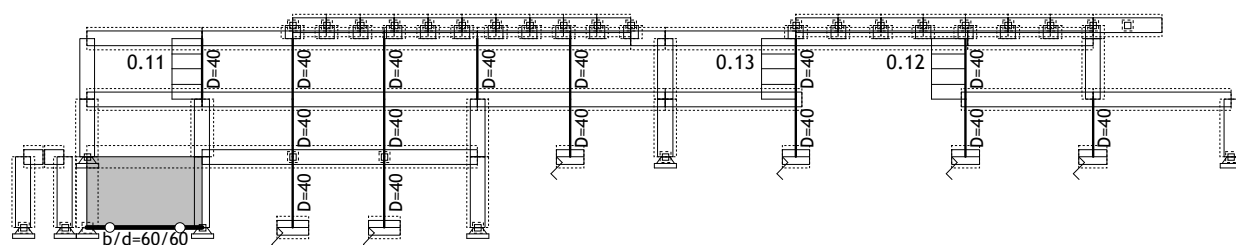
TPBK, C 25, B500B



Okvir: H_6

Armatura u gredama: max $\Sigma A_a = 41.31 \text{ cm}^2$

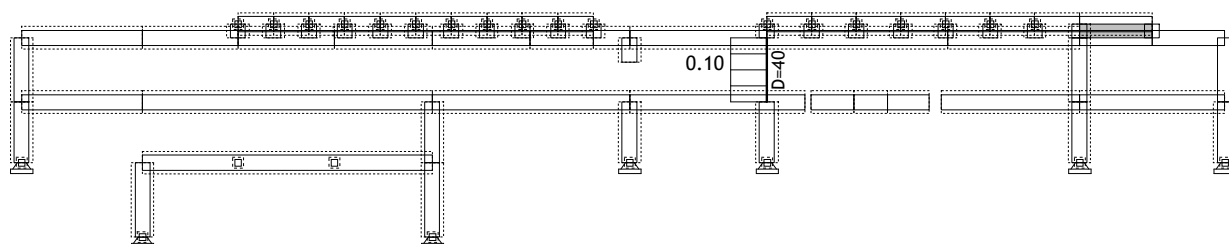
TPBK, C 25, B500B



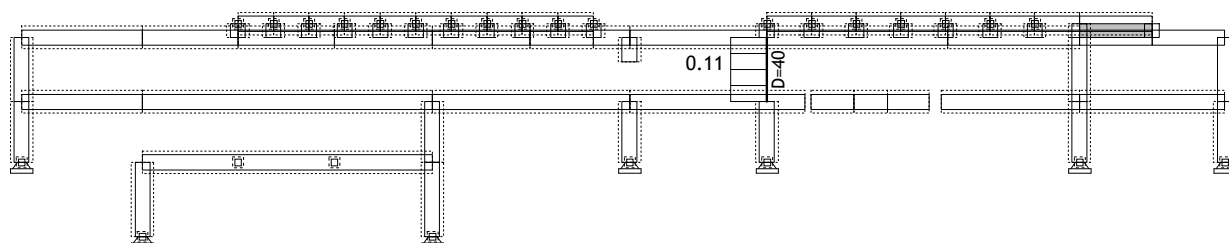
Okvir: H_6

Armatura u gredama: max $A_{sw} = 0.13 \text{ cm}^2$

Mjerodavno opterećenje: 5-16
TPBK, C 25, B500B

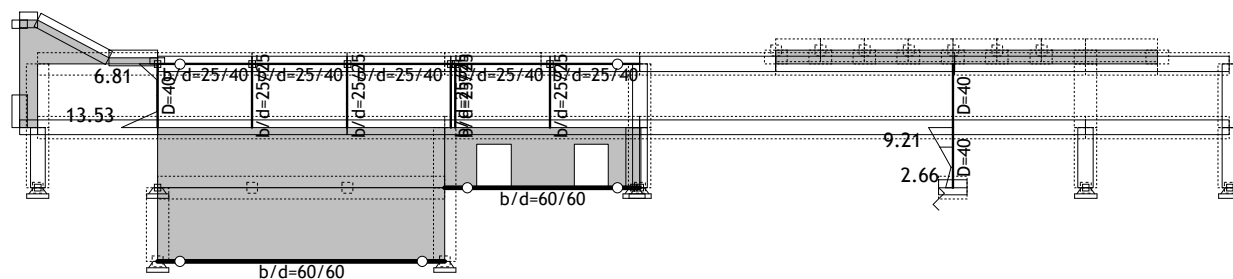


Okvir: H_10
Armatura u gredama: max $\Sigma A_a = 0.10 / 0.10 \text{ cm}^2$
Mjerodavno opterećenje: 5-16
TPBK, C 25, B500B



Okvir: H_10
Armatura u gredama: max $A_{sw} = 0.11 / 0.11 \text{ cm}^2$

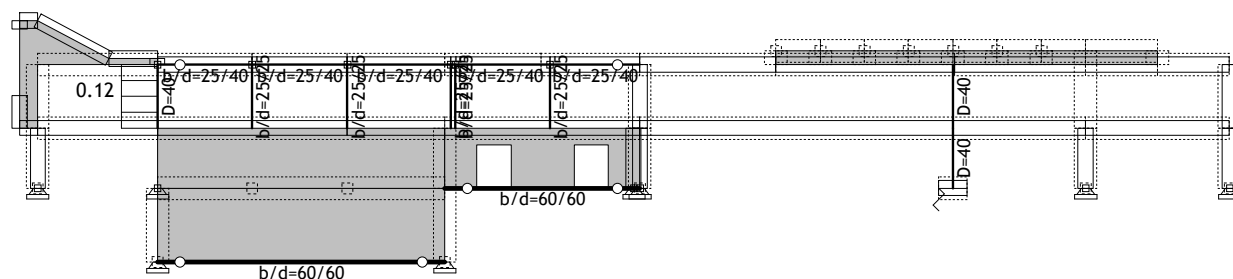
TPBK, C 25, B500B



Okvir: H_12

Armatura u gredama: max $\Sigma A_a = 13.53 \text{ cm}^2$

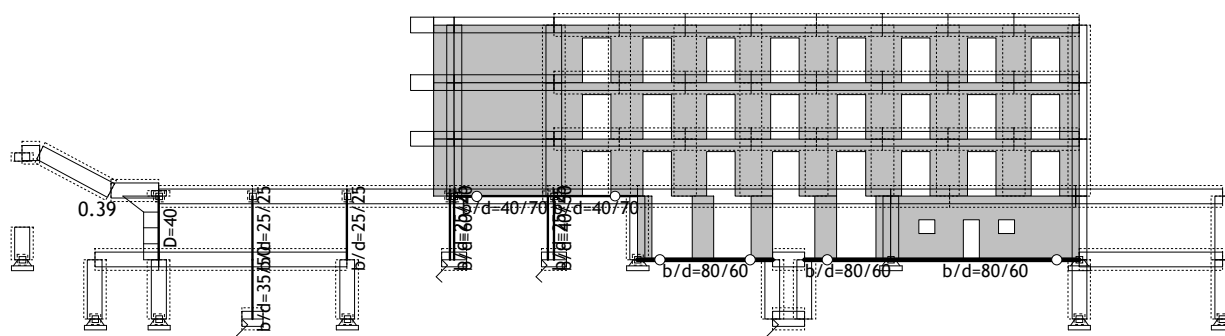
TPBK, C 25, B500B



Okvir: H_12

Armatura u gredama: max $A_{sw} = 0.12 \text{ cm}^2$

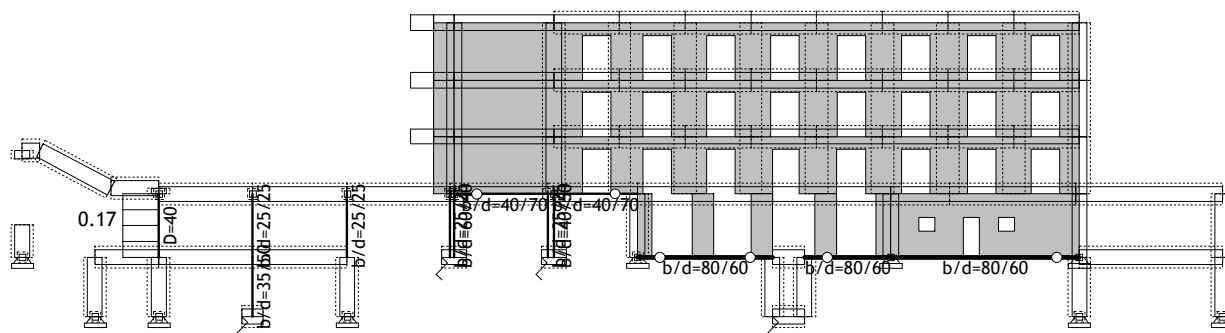
TPBK, C 25/30, B500B



Okvir: H_15

Armatura u gredama: max $\Sigma A_a = 0.39 \text{ cm}^2$

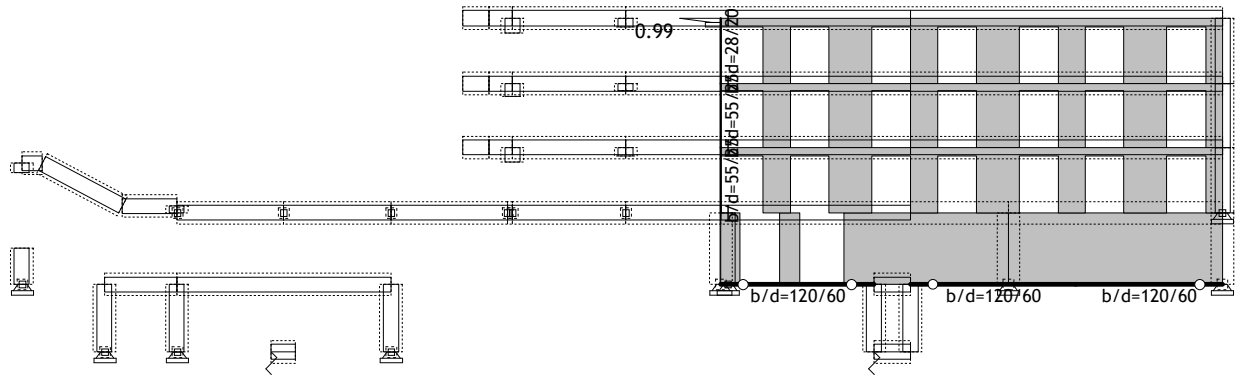
TPBK, C 25/30, B500B



Okvir: H_15

Armatura u gredama: max $\Sigma A_w = 0.17 \text{ cm}^2$

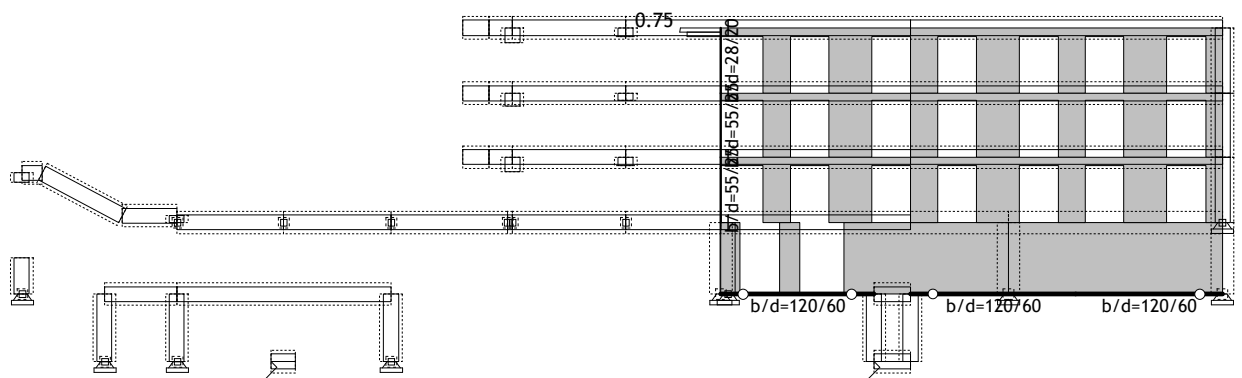
TPBK, C 25, B500B



Okvir: H_18

Armatura u gredama: $\max \Sigma A_a = 0.99 \text{ cm}^2$

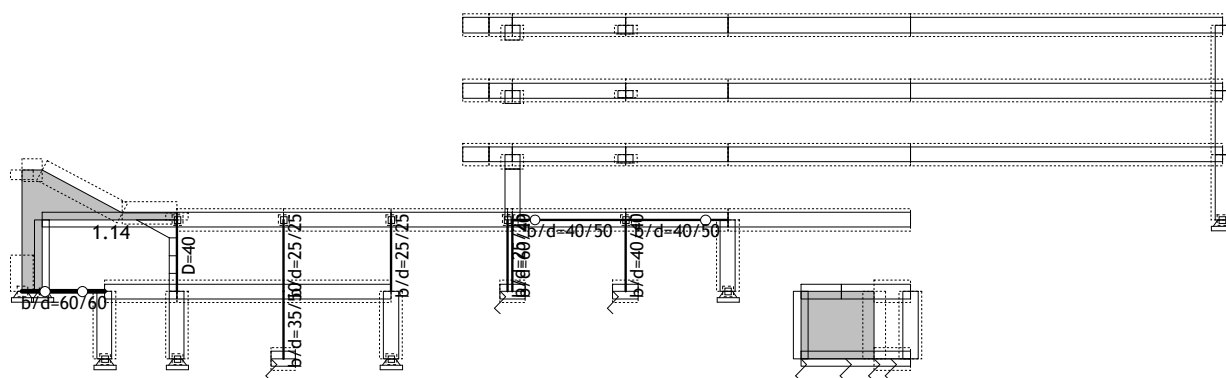
TPBK, C 25, B500B



Okvir: H_18

Armatura u gredama: $\max A_{sw} = 0.75 \text{ cm}^2$

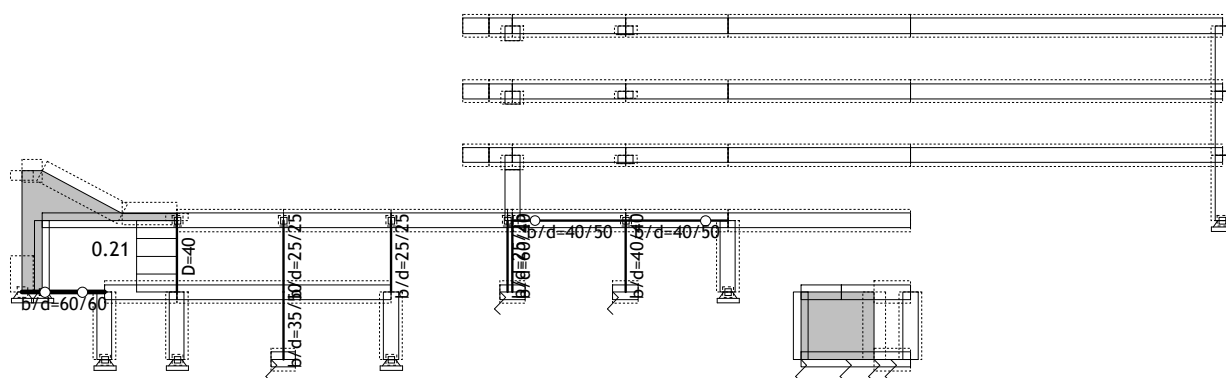
TPBK, C 25, B500B



Okvir: H_19

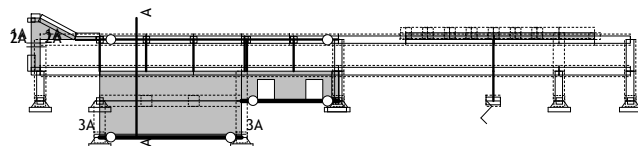
Armatura u gredama: max $\Sigma A_a = 1.14 \text{ cm}^2$

TPBK, C 25, B500B



Okvir: H_19

Armatura u gredama: max $A_{sw} = 0.21 \text{ cm}^2$



Okvir: H_12
Dispozicija presjeka

Okvir: H_12

TPBK

C 25/30

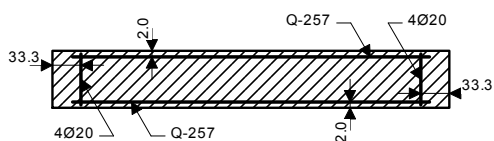
Kutna armatura B500B

Uzdužna armatura B500B

Kompletna shema opterećenja

Z 22 Presjek 1A - 1A (Z=6.47m)

Mjerodavni presjek za savijanje



$$b/d = 20/100 \text{ cm} \quad A_b = 2000 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+0.30xII+III

Mjerodavna kombinacija za posmik: I+0.30xII+III

Msd = -323.46 kNm

Nsd = -4.50 kN

Vsd = 182.52 kN

 $\epsilon_b/\epsilon_a = -3.500/4.408 \%$

As1 = 11.68 cm² (min:3.00) (odab:4Ø20)

As2 = 11.68 cm² (min:3.00) (odab:4Ø20)

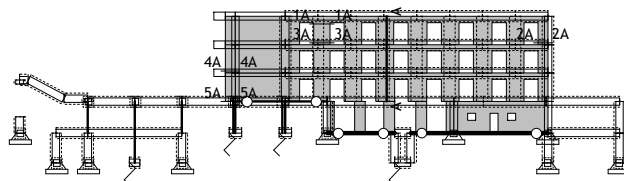
Aav = ±2.57 cm²/m (min:±2.00)

Aah = ±2.31 cm²/m (min:±2.00) (odab:±Q-257)

Z 22 Presjek 2A - 2A (Z=6.08m)

Mjerodavni presjek za posmik

$$b/d = 20/100 \text{ cm} \quad A_b = 2000 \text{ cm}^2$$



Okvir: H_15
Dispozicija presjeka

Mjerodavna kombinacija za savijanje: I+0.30xII+III

Mjerodavna kombinacija za posmik: I+0.30xII+III

Msd = -204.35 kNm

Nsd = 96.59 kN

Vsd = 184.13 kN

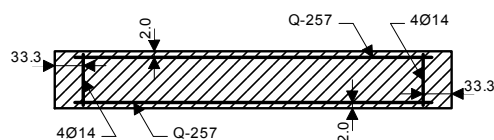
 $\epsilon_b/\epsilon_a = -3.500/7.473 \%$

As1 = 6.15 cm² (min:3.00) (odab:4Ø20)

As2 = 6.15 cm² (min:3.00) (odab:4Ø20)

Aav = ±2.57 cm²/m (min:±2.00)

Aah = ±2.33 cm²/m (min:±2.00) (odab:±Q-257)

Z 20-1 Presjek 3A - 3A (Z=3.72m)

$$b/d = 20/1595 \text{ cm} \quad A_b = 31900 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIII

Msd = 329.08 kNm

Nsd = -4311.52 kN

Vsd = -405.04 kN

As1 = 0.00 cm² (min:47.85) (odab:4Ø14)

As2 = 0.00 cm² (min:47.85) (odab:4Ø14)

Aav = ±0.00 cm²/m (min:±2.00)

Aah = ±0.32 cm²/m (min:±2.00) (odab:±Q-257)

Okvir: H_15

TPBK

C 25/30

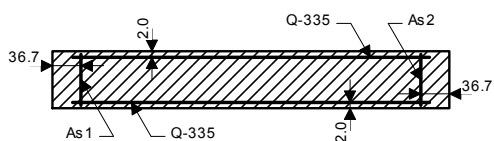
Kutna armatura B500B

Uzdužna armatura B500B

Kompletna shema opterećenja

Z 29-9 Presjek 1A - 1A (Z=15.58m)

Mjerodavni presjek za savijanje



$$b/d = 20/178 \text{ cm} \quad A_b = 3560 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+0.30xII+IV

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIII

Msd = 944.98 kNm

Nsd = -217.23 kN

Vsd = -357.22 kN

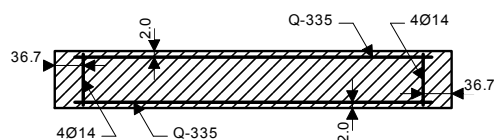
 $\epsilon_b/\epsilon_a = -3.500/9.114 \%$

As1 = 10.82 cm² (min:5.34)

As2 = 10.82 cm² (min:5.34)

Aav = ±3.35 cm²/m (min:±2.00)

Aah = ±2.54 cm²/m (min:±2.00) (odab:±Q-335)

Z 29-9 Presjek 2A - 2A (Z=13.47m)

$$b/d = 20/110 \text{ cm} \quad A_b = 2200 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+0.30xII+IV

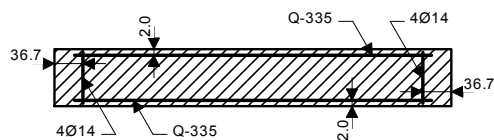
Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIII

Msd = -28.50 kNm
 Nsd = 30.91 kN
 Vsd = -107.96 kN

$\epsilon_b/\epsilon_a = -1.312/25.000 \%$

As1 = 0.00 cm² (min:3.30) (odab:4Ø14)
 As2 = 0.00 cm² (min:3.30) (odab:4Ø14)
 Aav = ± 2.64 cm²/m (min: ± 2.00)
 Aah = ± 1.24 cm²/m (min: ± 2.00) (odab: $\pm Q-335$)

Z 29-9 Presjek 3A - 3A (Z=13.47m)



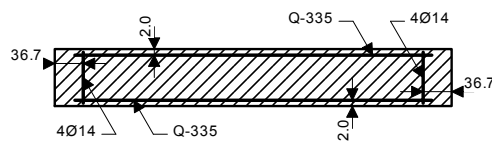
b/d = 20/178 cm Ab = 3560 cm²

Mjerodavna kombinacija za savijanje: I+IV
 Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIII
 Msd = -218.98 kNm
 Nsd = -57.51 kN
 Vsd = -387.31 kN

$\epsilon_b/\epsilon_a = -2.452/25.000 \%$

As1 = 0.00 cm² (min:5.34) (odab:4Ø14)
 As2 = 0.00 cm² (min:5.34) (odab:4Ø14)
 Aav = ± 2.23 cm²/m (min: ± 2.00)
 Aah = ± 2.75 cm²/m (min: ± 2.00) (odab: $\pm Q-335$)

Z 30-2 Presjek 4A - 4A (Z=10.31m)



b/d = 15/115 cm Ab = 1725 cm²

Mjerodavna kombinacija za savijanje: I+IV
 Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIII
 Msd = -38.72 kNm
 Nsd = 23.94 kN
 Vsd = -37.60 kN

$\epsilon_b/\epsilon_a = -1.787/25.000 \%$

As1 = 0.00 cm² (min:2.59) (odab:4Ø14)
 As2 = 0.00 cm² (min:2.59) (odab:4Ø14)
 Aav = ± 2.59 cm²/m (min: ± 1.50)
 Aah = ± 0.41 cm²/m (min: ± 1.50) (odab: $\pm Q-335$)

Z 30-1 Presjek 5A - 5A (Z=6.86m)

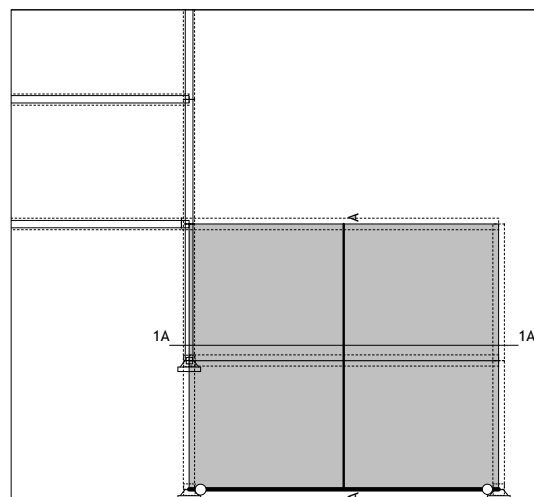
Mjerodavni presjek za posmik

b/d = 15/115 cm Ab = 1725 cm²

Mjerodavna kombinacija za savijanje: I+0.30xII+IV
 Mjerodavna kombinacija za posmik: 1.35xI+1.50xII
 Msd = -373.22 kNm
 Nsd = -48.86 kN
 Vsd = -411.89 kN

$\epsilon_b/\epsilon_a = -3.500/3.986 \%$

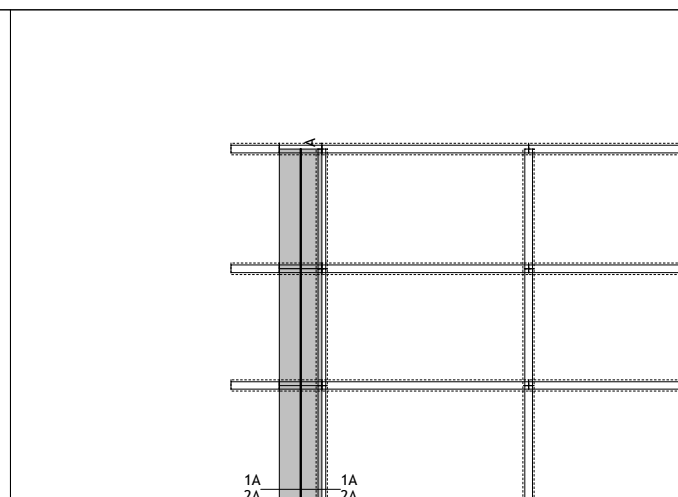
As1 = 11.38 cm² (min:2.59) (odab:4Ø14)
 As2 = 11.38 cm² (min:2.59) (odab:4Ø14)
 Aav = ± 3.35 cm²/m (min: ± 1.50)
 Aah = ± 4.53 cm²/m (min: ± 1.50) (odab: $\pm Q-335$)



Okvir: H_16
 Dispozicija presjeka

Okvir: H_16

TPBK
 C 25/30
 Kutna armatura B500B
 Uzdužna armatura B500B

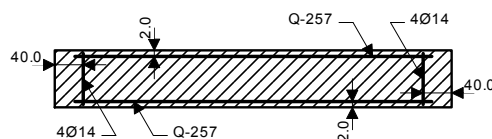


Okvir: H_17
 Dispozicija presjeka

Kompletna shema opterećenja

Z 31-2 Presjek 1A - 1A (Z=3.72m)

Mjerodavni presjek za savijanje i posmik



b/d = 20/800 cm Ab = 16000 cm²

Mjerodavna kombinacija za savijanje: I+III
 Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIII
 Msd = 2487.58 kNm
 Nsd = -269.45 kN
 Vsd = -762.46 kN

$\epsilon_b/\epsilon_a = -1.425/25.000 \text{ ‰}$
 As1 = 0.00 cm² (min:24.00) (odab:4Ø14)
 As2 = 0.00 cm² (min:24.00) (odab:4Ø14)
 Aav = $\pm 0.61 \text{ cm}^2/\text{m}$ (min: ± 2.00)
 Aah = $\pm 1.21 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm Q-257$)

Okvir: H_17

TPBK

C 25/30

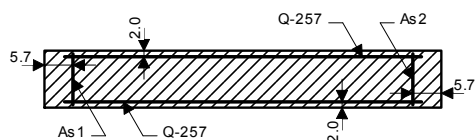
Kutna armatura B500B

Uzdužna armatura B500B

Kompletna shema opterećenja

Z 32-1 Presjek 1A - 1A (Z=7.27m)

Mjerodavni presjek za savijanje

b/d = 15/115 cm Ab = 1725 cm²

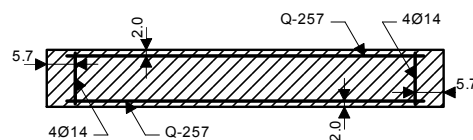
Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII
 Mjerodavna kombinacija za posmik: 1.35xI+1.50xII
 Msd = -125.22 kNm
 Nsd = 166.75 kN
 Vsd = -89.96 kN

 $\epsilon_b/\epsilon_a = -1.973/25.000 \text{ ‰}$

As1 = 2.01 cm² (min:2.59)
 As2 = 2.01 cm² (min:2.59)
 Aav = $\pm 2.57 \text{ cm}^2/\text{m}$ (min: ± 1.50)
 Aah = $\pm 0.99 \text{ cm}^2/\text{m}$ (min: ± 1.50) (odab: $\pm Q-257$)

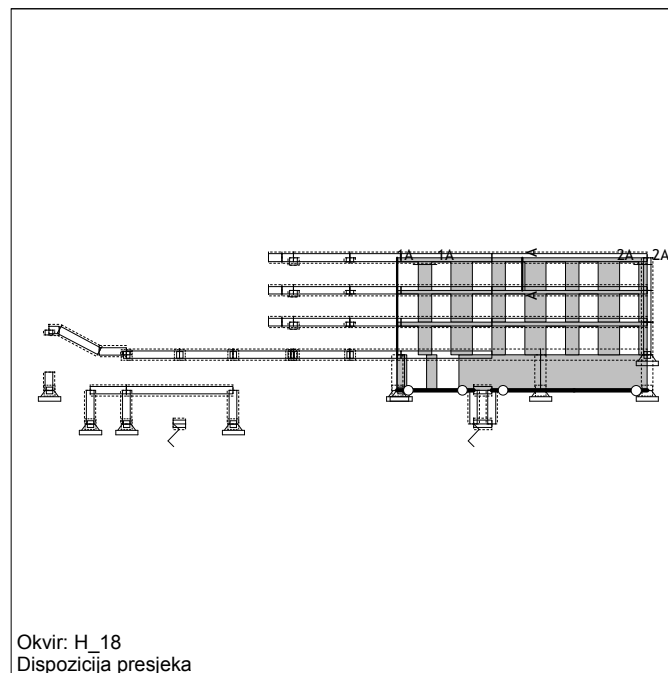
Z 32-1 Presjek 2A - 2A (Z=6.86m)

Mjerodavni presjek za posmik

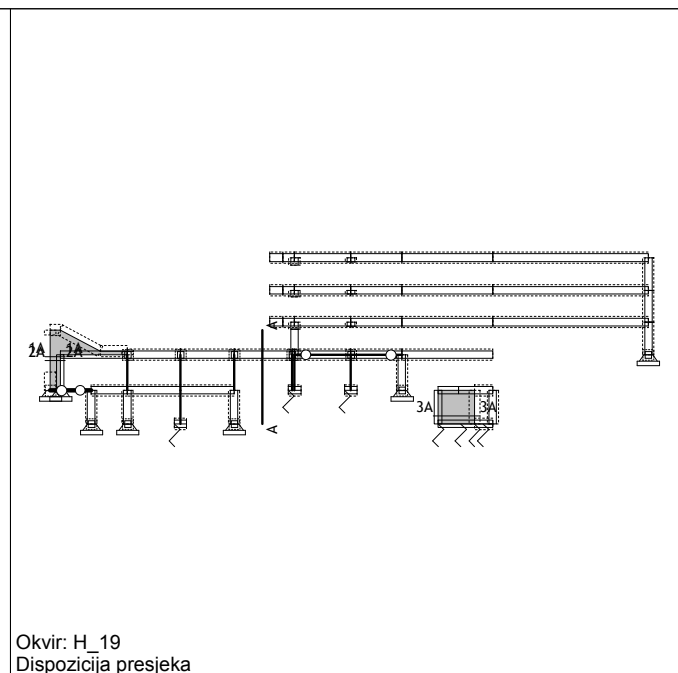
b/d = 15/115 cm Ab = 1725 cm²

Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII
 Mjerodavna kombinacija za posmik: 1.35xI+1.50xII
 Msd = -113.51 kNm
 Nsd = 37.82 kN
 Vsd = -122.88 kN

$\epsilon_b/\epsilon_a = -2.735/25.000 \text{ ‰}$
 As1 = 0.28 cm² (min:2.59) (odab:4Ø14)
 As2 = 0.28 cm² (min:2.59) (odab:4Ø14)
 Aav = $\pm 2.57 \text{ cm}^2/\text{m}$ (min: ± 1.50)
 Aah = $\pm 1.35 \text{ cm}^2/\text{m}$ (min: ± 1.50) (odab: $\pm Q-257$)



Okvir: H_18
 Dispozicija presjeka



Okvir: H_19
 Dispozicija presjeka

Okvir: H_18

TPBK

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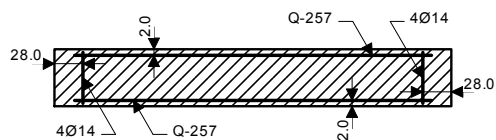
Kutna armatura B500B

Uzdužna armatura B500B

Kompletna shema opterećenja

Z 33-7 Presjek 1A - 1A (Z=15.80m)

Mjerodavni presjek za savijanje

b/d = 20/133 cm Ab = 2660 cm²

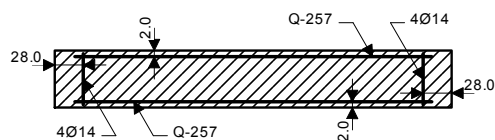
Mjerodavna kombinacija za savijanje: I+III
 Mjerodavna kombinacija za posmik: I+0.30xII+III

Msd = -188.80 kNm
 Nsd = -82.68 kN
 Vsd = 77.69 kN

$\epsilon_b/\epsilon_a = -3.500/23.645 \text{ ‰}$
 As1 = 0.65 cm² (min:3.99) (odab:4Ø14)
 As2 = 0.65 cm² (min:3.99) (odab:4Ø14)
 Aav = $\pm 2.56 \text{ cm}^2/\text{m}$ (min: ± 2.00)
 Aah = $\pm 0.74 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm Q-257$)

Z 33-7 Presjek 2A - 2A (Z=15.80m)

Mjerodavni presjek za posmik

b/d = 20/84 cm Ab = 1680 cm²

Mjerodavna kombinacija za savijanje: I+III
 Mjerodavna kombinacija za posmik: 1.35xI+1.50xII
 Msd = 52.78 kNm
 Nsd = -61.24 kN
 Vsd = -71.08 kN

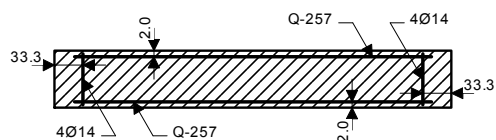
$\epsilon_b/\epsilon_a = -3.022/25.000 \%$
 As1 = 0.11 cm² (min:2.52) (odab:4Ø14)
 As2 = 0.11 cm² (min:2.52) (odab:4Ø14)
 Aav = ± 2.57 cm²/m (min: ± 2.00)
 Aah = ± 1.07 cm²/m (min: ± 2.00) (odab: $\pm Q-257$)

Okvir: H_19

TPBK
 C 25/30
 Kutna armatura B500B
 Uzdužna armatura B500B
 Kompletna shema opterećenja

Z 35 Presjek 1A - 1A (Z=6.63m)

Mjerodavni presjek za savijanje



b/d = 20/100 cm Ab = 2000 cm²

Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII
 Mjerodavna kombinacija za posmik: I+0.30xII+III
 Msd = -291.67 kNm
 Nsd = -337.08 kN
 Vsd = 82.21 kN

$\epsilon_b/\epsilon_a = -3.500/4.315 \%$
 As1 = 5.59 cm² (min:3.00) (odab:4Ø14)
 As2 = 5.59 cm² (min:3.00) (odab:4Ø14)
 Aav = ± 2.57 cm²/m (min: ± 2.00)
 Aah = ± 1.04 cm²/m (min: ± 2.00) (odab: $\pm Q-257$)

Z 35 Presjek 2A - 2A (Z=6.25m)

Mjerodavni presjek za posmik

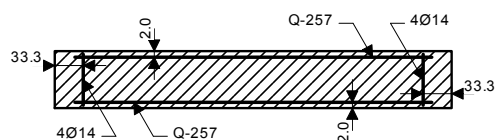
b/d = 20/100 cm Ab = 2000 cm²

Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII

Mjerodavna kombinacija za posmik: I+0.30xII+III

Msd = -205.94 kNm
 Nsd = -215.00 kN
 Vsd = 129.59 kN

$\epsilon_b/\epsilon_a = -3.500/7.277 \%$
 As1 = 2.56 cm² (min:3.00) (odab:4Ø14)
 As2 = 2.56 cm² (min:3.00) (odab:4Ø14)
 Aav = ± 2.56 cm²/m (min: ± 2.00)
 Aah = ± 1.64 cm²/m (min: ± 2.00) (odab: $\pm Q-257$)

Z 34 Presjek 3A - 3A (Z=0.80m)

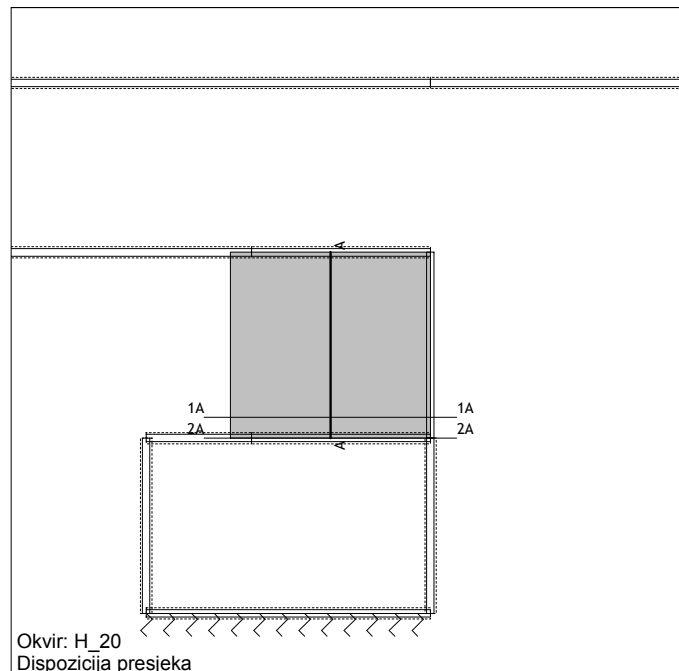
b/d = 20/360 cm Ab = 7200 cm²

Mjerodavna kombinacija za savijanje: I+III

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIV

Msd = -353.58 kNm
 Nsd = -154.81 kN
 Vsd = -371.33 kN

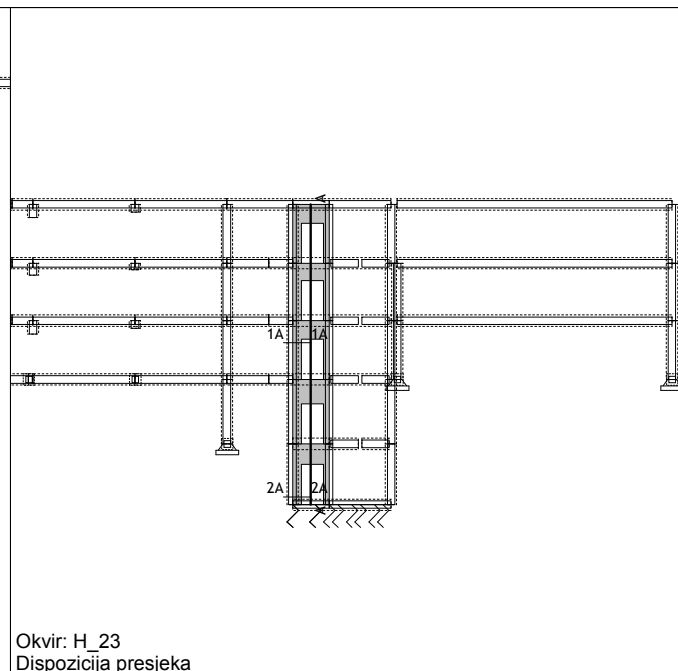
$\epsilon_b/\epsilon_a = -1.195/25.000 \%$
 As1 = 0.00 cm² (min:10.80) (odab:4Ø14)
 As2 = 0.00 cm² (min:10.80) (odab:4Ø14)
 Aav = ± 0.19 cm²/m (min: ± 2.00)
 Aah = ± 1.30 cm²/m (min: ± 2.00) (odab: $\pm Q-257$)



Okvir: H_20
 Dispozicija presjeka

Okvir: H_20

TPBK
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 Kutna armatura B500B
 Uzdužna armatura B500B

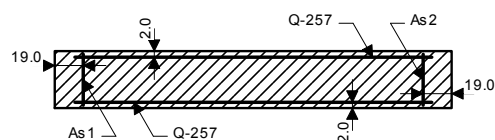


Okvir: H_23
 Dispozicija presjeka

Kompletna shema opterećenja

Z 36 Presjek 1A - 1A (Z=3.72m)

Mjerodavni presjek za posmik



b/d = 20/380 cm Ab = 7600 cm²

Mjerodavna kombinacija za savijanje: I+IV

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIII

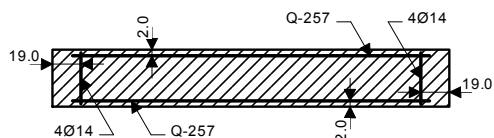
Msd = -661.49 kNm
 Nsd = 164.65 kN
 Vsd = -169.03 kN

$\epsilon_b/\epsilon_a = -1.540/25.000 \%$

As1 = 0.00 cm² (min:11.40)
 As2 = 0.00 cm² (min:11.40)
 Aav = ± 1.79 cm²/m (min: ± 2.00)
 Aah = ± 0.56 cm²/m (min: ± 2.00) (odab: $\pm Q-257$)

Z 36 Presjek 2A - 2A (Z=3.33m)

Mjerodavni presjek za savijanje



b/d = 20/380 cm Ab = 7600 cm²

Mjerodavna kombinacija za savijanje: I+IV
 Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIII

Msd = -690.37 kNm
 Nsd = 272.39 kN
 Vsd = -146.11 kN

$\epsilon_b/\epsilon_a = -1.569/25.000 \%$

As1 = 0.00 cm² (min:11.40) (odab:4Ø14)
 As2 = 0.00 cm² (min:11.40) (odab:4Ø14)
 Aav = ± 2.21 cm²/m (min: ± 2.00)
 Aah = ± 0.49 cm²/m (min: ± 2.00) (odab: $\pm Q-257$)

Okvir: H_23

TPBK

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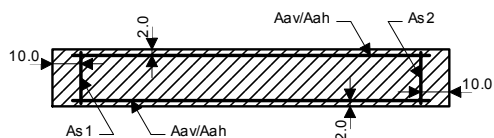
Kutna armatura B500B

Uzdužna armatura B500B

Kompletna shema opterećenja

Z 39-3 Presjek 1A - 1A (Z=8.87m)

Mjerodavni presjek za savijanje



b/d = 20/50 cm Ab = 1000 cm²

Mjerodavna kombinacija za savijanje: I+III

Mjerodavna kombinacija za posmik: I+0.30xII+III

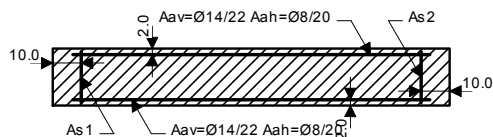
Msd = -31.32 kNm
 Nsd = 127.63 kN
 Vsd = 43.90 kN

$\epsilon_b/\epsilon_a = -3.500/19.460 \%$

As1 = 2.48 cm² (min:1.50)
 As2 = 2.48 cm² (min:1.50)
 Aav = ± 2.00 cm²/m (min: ± 2.00)
 Aah = ± 1.11 cm²/m (min: ± 2.00)

Z 39-1 Presjek 2A - 2A (Z=0.42m)

Mjerodavni presjek za posmik



b/d = 20/50 cm Ab = 1000 cm²

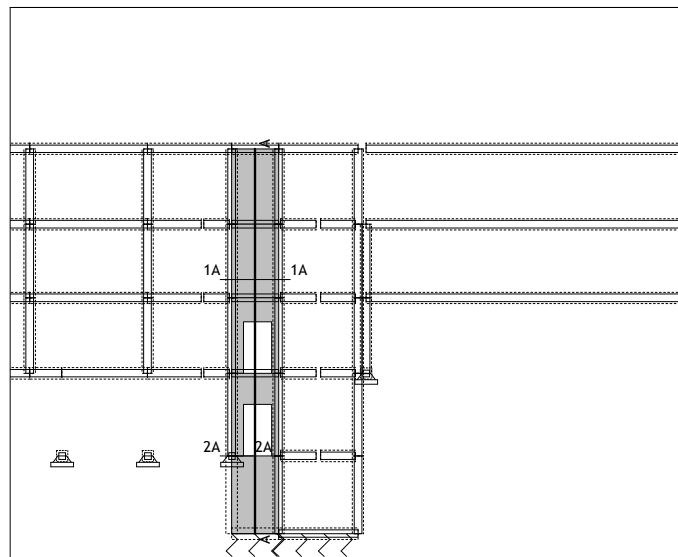
Mjerodavna kombinacija za savijanje: I+III

Mjerodavna kombinacija za posmik: 1.35xI+1.50xII

Msd = -35.60 kNm
 Nsd = -121.22 kN
 Vsd = -66.21 kN

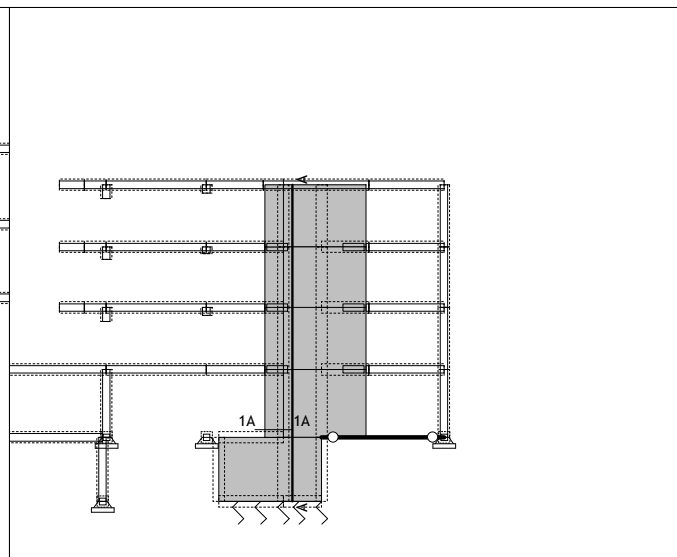
$\epsilon_b/\epsilon_a = -3.500/16.442 \%$

As1 = 0.00 cm² (min:1.50)
 As2 = 0.00 cm² (min:1.50)
 Aav = ± 1.54 cm²/m (min: ± 2.00) (odab: $\pm \text{Ø}14/22$)
 Aah = ± 1.68 cm²/m (min: ± 2.00) (odab: $\pm \text{Ø}8/20$)



Okvir: H_27

Dispozicija presjeka



Okvir: V_34

Dispozicija presjeka

Okvir: H_27

TPBK

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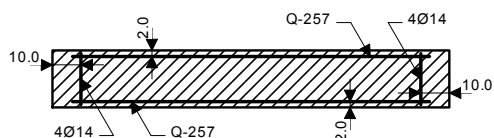
Kutna armatura B500B

Uzdužna armatura B500B

Kompletna shema opterećenja

Z 45-4 Presjek 1A - 1A (Z=10.87m)

Mjerodavni presjek za posmik



$$b/d = 20/200 \text{ cm} \quad A_b = 4000 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII

Mjerodavna kombinacija za posmik: I+0.30xII+III

Msd = 27.65 kNm

Nsd = -236.68 kN

Vsd = 190.31 kN

As1 = 0.00 cm² (min:6.00) (odab:4Ø14)

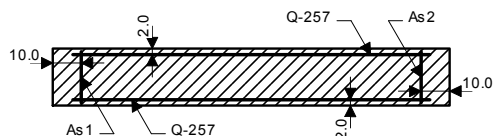
As2 = 0.00 cm² (min:6.00) (odab:4Ø14)

Aav = ±0.00 cm²/m (min:±2.00)

Aah = ±1.20 cm²/m (min:±2.00) (odab:±Q-257)

Z 45-2 Presjek 2A - 2A (Z=3.33m)

Mjerodavni presjek za savijanje



$$b/d = 20/50 \text{ cm} \quad A_b = 1000 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+0.30xII+IV

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIII

Msd = -11.49 kNm

Nsd = 179.42 kN

Vsd = -30.68 kN

 $\epsilon_b/\epsilon_a = -1.806/25.000 \%$

As1 = 1.85 cm² (min:1.50)

As2 = 1.85 cm² (min:1.50)

Aav = ±2.57 cm²/m (min:±2.00)

Aah = ±0.78 cm²/m (min:±2.00) (odab:±Q-257)

Okvir: V 34

TPBK

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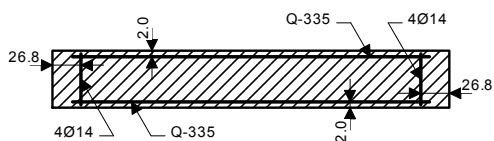
Kutna armatura B500B

Uzdužna armatura B500B

Kompletna shema opterećenja

Z 94-2 Presjek 1A - 1A (Z=3.72m)

Mjerodavni presjek za savijanje i posmik



$$b/d = 20/96 \text{ cm} \quad A_b = 1920 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+IV

Mjerodavna kombinacija za posmik: I+0.30xII+IV

Msd = 125.92 kNm

Nsd = 366.73 kN

Vsd = 214.51 kN

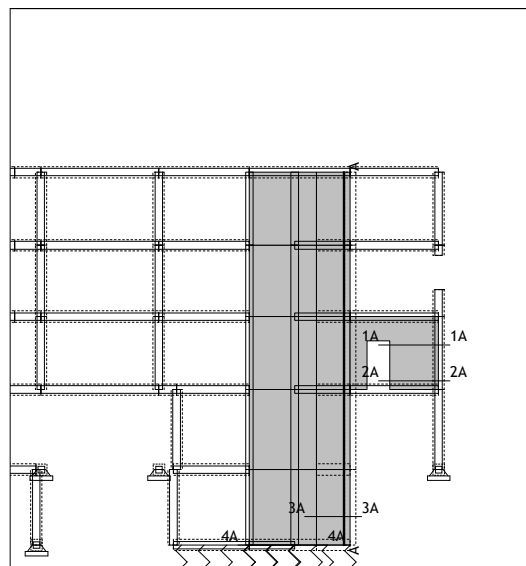
 $\epsilon_b/\epsilon_a = -3.500/15.386 \%$

As1 = 6.19 cm² (min:2.88) (odab:4Ø14)

As2 = 6.19 cm² (min:2.88) (odab:4Ø14)

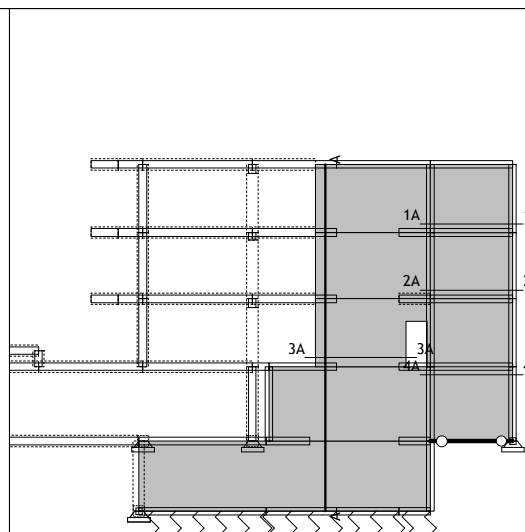
Aav = ±3.35 cm²/m (min:±2.00)

Aah = ±2.83 cm²/m (min:±2.00) (odab:±Q-335)



Okvir: V_35

Dispozicija presjeka



Okvir: V_38

Dispozicija presjeka

Okvir: V 35

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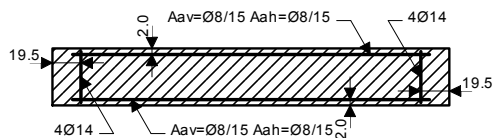
Kutna armatura B500B

Uzdužna armatura B500B

Kompletna shema opterećenja

Z 97 Presjek 1A - 1A (Z=8.83m)

Mjerodavni presjek za savijanje



$$b/d = 20/215 \text{ cm} \quad A_b = 4300 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+IV

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIV

Msd = 405.98 kNm

Nsd = 428.67 kN

Vsd = -430.36 kN

 $\epsilon_b/\epsilon_a = -2.160/25.000 \%$ As1 = 2.91 cm² (min:6.45) (odab:4Ø14)As2 = 2.91 cm² (min:6.45) (odab:4Ø14)Aav = $\pm 3.86 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm \text{Ø}8/15$)Aah = $\pm 2.53 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm \text{Ø}8/15$)Z 97 Presjek 2A - 2A (Z=7.25m)

Mjerodavni presjek za posmik

$$b/d = 20/215 \text{ cm} \quad A_b = 4300 \text{ cm}^2$$

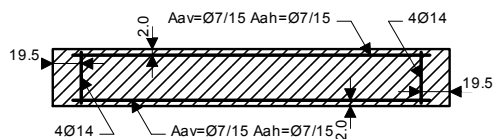
Mjerodavna kombinacija za savijanje: I+0.30xII+IV

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIV

Msd = -164.59 kNm

Nsd = 78.40 kN

Vsd = -449.85 kN

 $\epsilon_b/\epsilon_a = -1.333/25.000 \%$ As1 = 0.83 cm² (min:6.45) (odab:4Ø14)As2 = 0.83 cm² (min:6.45) (odab:4Ø14)Aav = $\pm 1.10 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm \text{Ø}8/15$)Aah = $\pm 2.65 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm \text{Ø}8/15$)Z 96-1 Presjek 3A - 3A (Z=1.25m)

$$b/d = 20/150 \text{ cm} \quad A_b = 3000 \text{ cm}^2$$

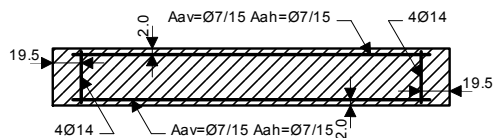
Mjerodavna kombinacija za savijanje: I+IV

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIV

Msd = 17.34 kNm

Nsd = 31.58 kN

Vsd = -297.79 kN

 $\epsilon_b/\epsilon_a = -0.599/25.000 \%$ As1 = 0.19 cm² (min:4.50) (odab:4Ø14)As2 = 0.19 cm² (min:4.50) (odab:4Ø14)Aav = $\pm 0.40 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm \text{Ø}7/15$)Aah = $\pm 2.51 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm \text{Ø}7/15$)Z 95-1 Presjek 4A - 4A (Z=0.00m)

$$b/d = 20/295 \text{ cm} \quad A_b = 5900 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIV

Msd = 516.00 kNm

Nsd = -798.21 kN

Vsd = -327.50 kN

As1 = 0.00 cm² (min:8.85) (odab:4Ø14)As2 = 0.00 cm² (min:8.85) (odab:4Ø14)Aav = $\pm 0.00 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm \text{Ø}7/15$)Aah = $\pm 1.40 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm \text{Ø}7/15$)Okvir: V 38

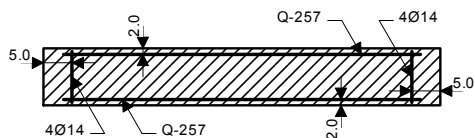
TPBK

C 25/30

Kutna armatura B500B

Uzdužna armatura B500B

Kompletna shema opterećenja

Z 102-4 Presjek 1A - 1A (Z=13.63m)

$$b/d = 20/390 \text{ cm} \quad A_b = 7800 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+0.30xII+IV

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIV

Msd = 107.95 kNm

Nsd = 255.33 kN

Vsd = -443.15 kN

 $\epsilon_b/\epsilon_a = -0.461/25.000 \%$ As1 = 0.00 cm² (min:11.70) (odab:4Ø14)As2 = 0.00 cm² (min:11.70) (odab:4Ø14)Aav = $\pm 0.95 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm \text{Q-257}$)Aah = $\pm 1.44 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm \text{Q-257}$)Z 102-3 Presjek 2A - 2A (Z=10.48m)

$$b/d = 20/390 \text{ cm} \quad A_b = 7800 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+0.30xII+IV

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIV

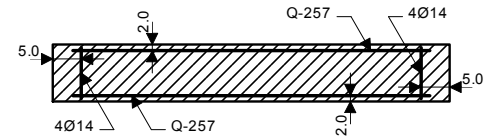
Msd = -311.02 kNm

Nsd = 709.77 kN

Vsd = -583.87 kN

 $\epsilon_b/\epsilon_a = -0.725/25.000 \%$ As1 = 0.37 cm² (min:11.70) (odab:4Ø14)As2 = 0.37 cm² (min:11.70) (odab:4Ø14)Aav = $\pm 2.57 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm \text{Q-257}$)Aah = $\pm 1.89 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm \text{Q-257}$)Z 101-3 Presjek 3A - 3A (Z=7.29m)

Mjerodavni presjek za savijanje i posmik



$$b/d = 20/430 \text{ cm} \quad A_b = 8600 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+IV

Mjerodavna kombinacija za posmik: I+0.30xII+IV

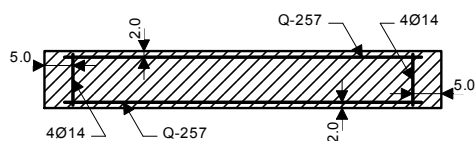
Msd = 2946.40 kNm

Nsd = 776.08 kN

Vsd = 1036.28 kN

 $\epsilon_b/\epsilon_a = -1.458/25.000 \%$

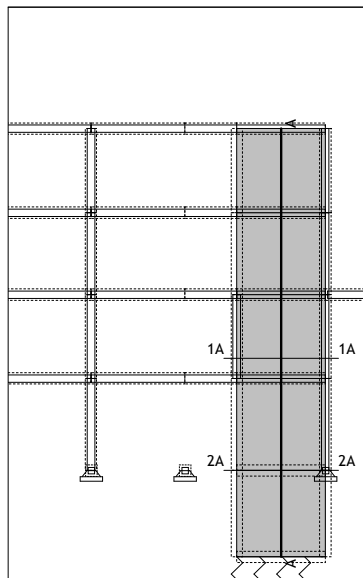
As1 = 14.43 cm² (min:12.90) (odab:4Ø14)
 As2 = 14.43 cm² (min:12.90) (odab:4Ø14)
 Aav = ±2.57 cm²/m (min:±2.00)
 Aah = ±3.05 cm²/m (min:±2.00) (odab:±Q-257)

Z 102-1 Presjek 4A - 4A (Z=6.47m)

$$b/d = 20/390 \text{ cm} \quad A_b = 7800 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+0.30xII+IV
 Mjerodavna kombinacija za posmik: 1.35xI+1.50xII
 Msd = 244.08 kNm
 Nsd = 773.84 kN
 Vsd = -421.30 kN

$\epsilon_b/\epsilon_a = -0.533/25.000 \text{ ‰}$
 As1 = 0.65 cm² (min:11.70) (odab:4Ø14)
 As2 = 0.65 cm² (min:11.70) (odab:4Ø14)
 Aav = ±2.57 cm²/m (min:±2.00)
 Aah = ±1.37 cm²/m (min:±2.00) (odab:±Q-257)



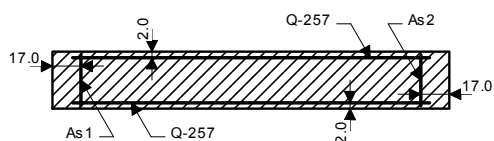
Okvir: H_30
 Dispozicija presjeka

Okvir: H_30

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 Kutna armatura B500B
 Uzdužna armatura B500B
 Kompletna shema opterećenja

Z 48-3 Presjek 1A - 1A (Z=7.64m)

Mjerodavni presjek za posmik



$$b/d = 20/340 \text{ cm} \quad A_b = 6800 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+0.30xII+IV
 Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIII

Msd = -50.23 kNm
 Nsd = 549.49 kN
 Vsd = -373.36 kN

$\epsilon_b/\epsilon_a = -0.366/25.000 \text{ ‰}$
 As1 = 0.00 cm² (min:10.20)
 As2 = 0.00 cm² (min:10.20)
 Aav = ±2.19 cm²/m (min:±2.00)
 Aah = ±1.39 cm²/m (min:±2.00) (odab:±Q-257)

Z 48-2 Presjek 2A - 2A (Z=3.33m)

Mjerodavni presjek za savijanje

$$b/d = 20/340 \text{ cm} \quad A_b = 6800 \text{ cm}^2$$

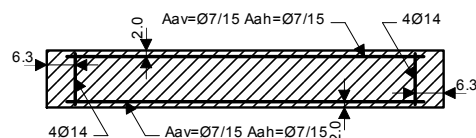
Mjerodavna kombinacija za savijanje: I+0.30xII+IV
 Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIV
 Msd = 229.60 kNm
 Nsd = 710.09 kN
 Vsd = -175.99 kN

$\epsilon_b/\epsilon_a = -0.664/25.000 \text{ ‰}$
 As1 = 1.97 cm² (min:10.20)
 As2 = 1.97 cm² (min:10.20)
 Aav = ±2.57 cm²/m (min:±2.00)
 Aah = ±0.65 cm²/m (min:±2.00) (odab:±Q-257)

Okvir: H_33

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 Kutna armatura B500B
 Uzdužna armatura B500B

Kompletna shema opterećenja

Z 51-11 Presjek 1A - 1A (Z=10.48m)

$$b/d = 20/682 \text{ cm} \quad A_b = 13640 \text{ cm}^2$$

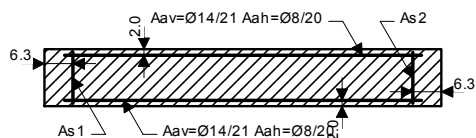
Mjerodavna kombinacija za savijanje: I+IV
 Mjerodavna kombinacija za posmik: I+0.30xII+III

Msd = 976.33 kNm
 Nsd = 175.41 kN
 Vsd = 386.17 kN

$\epsilon_b/\epsilon_a = -0.754/25.000 \text{ ‰}$

As1 = 1.62 cm² (min:20.46) (odab:4Ø14)
 As2 = 1.62 cm² (min:20.46) (odab:4Ø14)
 Aav = ±0.56 cm²/m (min:±2.00) (odab:±Ø7/15)
 Aah = ±0.72 cm²/m (min:±2.00) (odab:±Ø7/15)

Z 51-11 Presjek 2A - 2A (Z=10.31m)



b/d = 20/68 cm Ab = 1360 cm²

Mjerodavna kombinacija za savijanje: I+0.30xII+IV

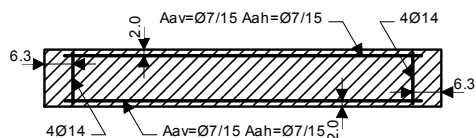
Mjerodavna kombinacija za posmik: I+0.30xII+IV

Msd = 32.18 kNm
 Nsd = 286.45 kN
 Vsd = 116.35 kN

$\epsilon_b/\epsilon_a = -1.722/25.000 \text{ ‰}$

As1 = 1.35 cm² (min:2.04)
 As2 = 1.35 cm² (min:2.04)
 Aav = ±5.68 cm²/m (min:±2.00) (odab:±Ø14/21)
 Aah = ±2.16 cm²/m (min:±2.00) (odab:±Ø8/20)

Z 51-8 Presjek 3A - 3A (Z=10.30m)



b/d = 15/115 cm Ab = 1725 cm²

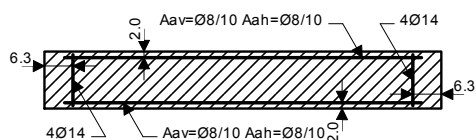
Mjerodavna kombinacija za savijanje: I+0.30xII-1.00xIV

Mjerodavna kombinacija za posmik: I+III

Msd = -21.57 kNm
 Nsd = -294.84 kN
 Vsd = 23.68 kN

As1 = 0.00 cm² (min:2.59) (odab:4Ø14)
 As2 = 0.00 cm² (min:2.59) (odab:4Ø14)
 Aav = ±0.00 cm²/m (min:±1.50) (odab:±Ø7/15)
 Aah = ±0.26 cm²/m (min:±1.50) (odab:±Ø7/15)

Z 51-3 Presjek 4A - 4A (Z=7.25m)



b/d = 15/115 cm Ab = 1725 cm²

Mjerodavna kombinacija za savijanje: I+0.30xII+IV

Mjerodavna kombinacija za posmik: 1.35xI+1.50xII

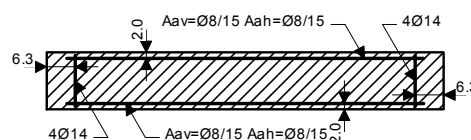
Msd = -204.26 kNm
 Nsd = 184.02 kN
 Vsd = -172.70 kN

$\epsilon_b/\epsilon_a = -3.136/25.000 \text{ ‰}$

As1 = 2.02 cm² (min:2.59) (odab:4Ø14)
 As2 = 2.02 cm² (min:2.59) (odab:4Ø14)
 Aav = ±4.60 cm²/m (min:±1.50) (odab:±Ø8/10)
 Aah = ±1.90 cm²/m (min:±1.50) (odab:±Ø8/10)

Z 51-3 Presjek 5A - 5A (Z=6.86m)

Mjerodavni presjek za posmik



b/d = 15/115 cm Ab = 1725 cm²

Mjerodavna kombinacija za savijanje: I+0.30xII+IV

Mjerodavna kombinacija za posmik: 1.35xI+1.50xII

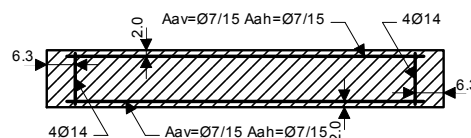
Msd = -226.41 kNm
 Nsd = 33.83 kN
 Vsd = -262.92 kN

$\epsilon_b/\epsilon_a = -3.500/22.327 \text{ ‰}$

As1 = 1.67 cm² (min:2.59) (odab:4Ø14)
 As2 = 1.67 cm² (min:2.59) (odab:4Ø14)
 Aav = ±3.81 cm²/m (min:±1.50) (odab:±Ø8/15)
 Aah = ±2.89 cm²/m (min:±1.50) (odab:±Ø8/15)

Z 51-2 Presjek 6A - 6A (Z=6.86m)

Mjerodavni presjek za savijanje



b/d = 20/900 cm Ab = 18000 cm²

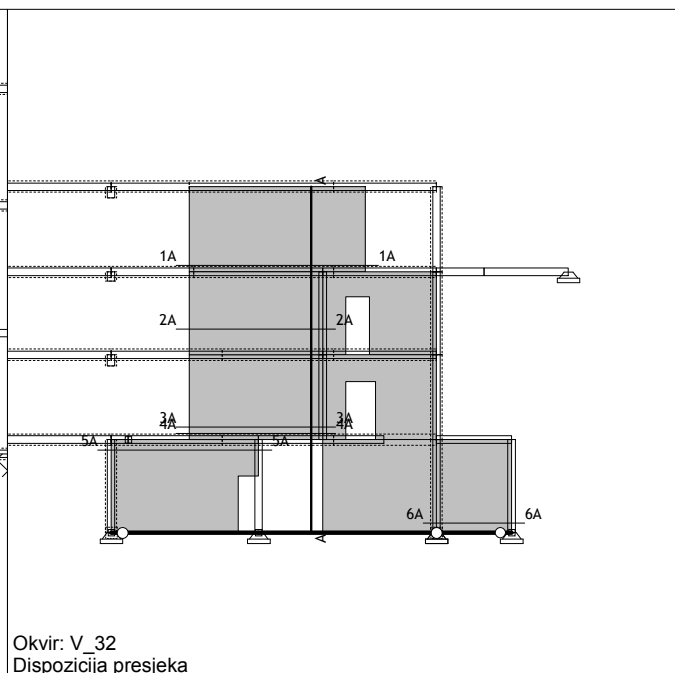
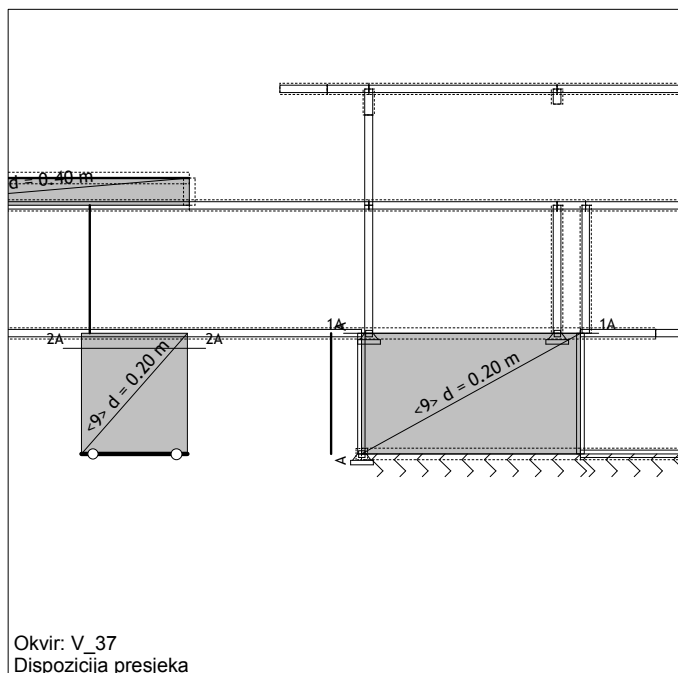
Mjerodavna kombinacija za savijanje: I+IV

Mjerodavna kombinacija za posmik: I+0.30xII+III

Msd = 902.62 kNm
 Nsd = 1138.43 kN
 Vsd = 657.22 kN

$\epsilon_b/\epsilon_a = 0.132/25.000 \text{ ‰}$

As1 = 4.63 cm² (min:27.00) (odab:4Ø14)
 As2 = 4.63 cm² (min:27.00) (odab:4Ø14)
 Aav = ±1.22 cm²/m (min:±2.00) (odab:±Ø7/15)
 Aah = ±0.92 cm²/m (min:±2.00) (odab:±Ø7/15)

**Okvir: V_37**

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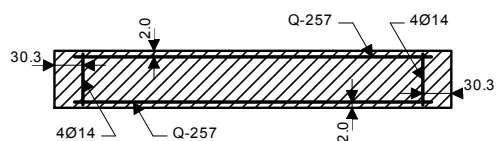
Kutna armatura B500B

Uzdužna armatura B500B

Kompletna shema opterećenja

Z 100 Presjek 1A - 1A (Z=3.33m)

Mjerodavni presjek za posmik



Mjerodavna kombinacija za savijanje: I+0.30xII-1.00xIII

Mjerodavna kombinacija za posmik: I+0.30xII+III

Msd = 1672.07 kNm

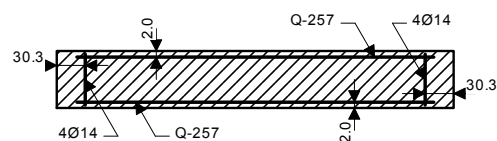
Nsd = -1239.84 kN

Vsd = 911.05 kN

As1 =	0.00 cm ²	(min:18.15)	(odab:4Ø14)
As2 =	0.00 cm ²	(min:18.15)	(odab:4Ø14)
Aav =	±0.00 cm ² /m	(min:±2.00)	
Aah =	±1.90 cm ² /m	(min:±2.00)	(odab:±Q-257)

Z 99-1 Presjek 2A - 2A (Z=2.91m)

Mjerodavni presjek za savijanje



Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII

Mjerodavna kombinacija za posmik: 1.35xI+1.50xII

Msd = 453.23 kNm

Nsd = -2644.89 kN

Vsd = -236.76 kN

As1 =	0.00 cm ²	(min:8.79)	(odab:4Ø14)
As2 =	0.00 cm ²	(min:8.79)	(odab:4Ø14)
Aav =	±0.00 cm ² /m	(min:±2.00)	
Aah =	±1.02 cm ² /m	(min:±2.00)	(odab:±Q-257)

Okvir: V_32

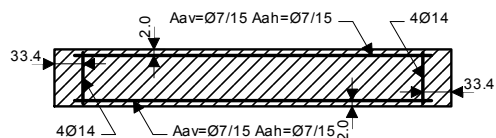
TPBK

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Kutna armatura B500B

Uzdužna armatura B500B

Kompletna shema opterećenja

Z 91-7 Presjek 1A - 1A (Z=13.47m)

Mjerodavna kombinacija za savijanje: I+IV

Mjerodavna kombinacija za posmik: I+0.30xII+IV

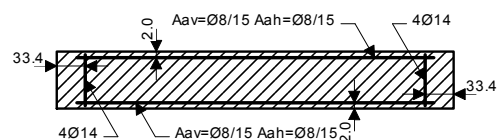
Msd = 2030.92 kNm

Nsd = -312.81 kN

Vsd = 649.65 kN

 $\epsilon_b/\epsilon_a = -1.504/25.000 \text{ ‰}$

As1 =	1.12 cm ²	(min:20.04)	(odab:4Ø14)
As2 =	1.12 cm ²	(min:20.04)	(odab:4Ø14)
Aav =	±0.43 cm ² /m	(min:±2.00)	(odab:±Ø7/15)
Aah =	±1.23 cm ² /m	(min:±2.00)	(odab:±Ø7/15)

Z 91-5 Presjek 2A - 2A (Z=11.05m)

Mjerodavna kombinacija za savijanje: I+IV

Mjerodavna kombinacija za posmik: I+0.30xII+IV

Msd = 1058.70 kNm

Nsd = 16.99 kN

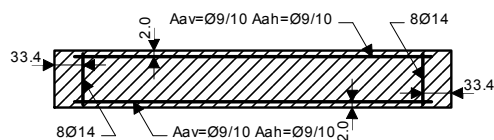
Vsd = 1168.44 kN

 $\epsilon_b/\epsilon_a = -1.392/25.000 \text{ ‰}$

As1 = 1.58 cm² (min:15.18) (odab:4Ø14)
 As2 = 1.58 cm² (min:15.18) (odab:4Ø14)
 Aav = ±0.84 cm²/m (min:±2.00) (odab:±Ø8/15)
 Aah = ±2.92 cm²/m (min:±2.00) (odab:±Ø8/15)

Z 91-3 Presjek 3A - 3A (Z=7.34m)

Mjerodavni presjek za posmik



$$b/d = 20/506 \text{ cm} \quad A_b = 10120 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+IV
 Mjerodavna kombinacija za posmik: I+0.30xII+IV
 Msd = 5038.04 kNm
 Nsd = 489.34 kN
 Vsd = 2111.92 kN

$\epsilon_b/\epsilon_a = -3.500/24.858 \text{ ‰}$
 As1 = 9.47 cm² (min:15.18) (odab:8Ø14)
 As2 = 9.47 cm² (min:15.18) (odab:8Ø14)
 Aav = ±5.04 cm²/m (min:±2.00) (odab:±Ø8/10)
 Aah = ±5.28 cm²/m (min:±2.00) (odab:±Ø9/10)

Z 91-3 Presjek 4A - 4A (Z=7.10m)

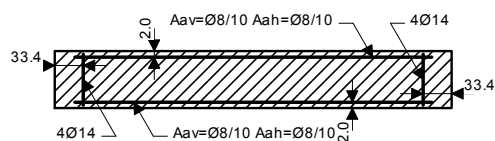
Mjerodavni presjek za savijanje

$$b/d = 20/506 \text{ cm} \quad A_b = 10120 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+IV
 Mjerodavna kombinacija za posmik: I+0.30xII+IV
 Msd = 5992.50 kNm
 Nsd = 774.92 kN
 Vsd = 2065.64 kN

$$\epsilon_b/\epsilon_a = -3.500/22.571 \text{ ‰}$$

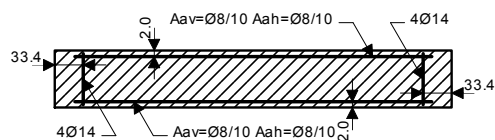
As1 = 12.03 cm² (min:15.18) (odab:8Ø14)
 As2 = 12.03 cm² (min:15.18) (odab:8Ø14)
 Aav = ±6.40 cm²/m (min:±2.00) (odab:±Ø9/10)
 Aah = ±5.16 cm²/m (min:±2.00) (odab:±Ø9/10)

Z 91-1 Presjek 5A - 5A (Z=6.47m)

$$b/d = 20/560 \text{ cm} \quad A_b = 11200 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+IV
 Mjerodavna kombinacija za posmik: I+0.30xII+IV
 Msd = -1904.09 kNm
 Nsd = 800.51 kN
 Vsd = 1636.18 kN

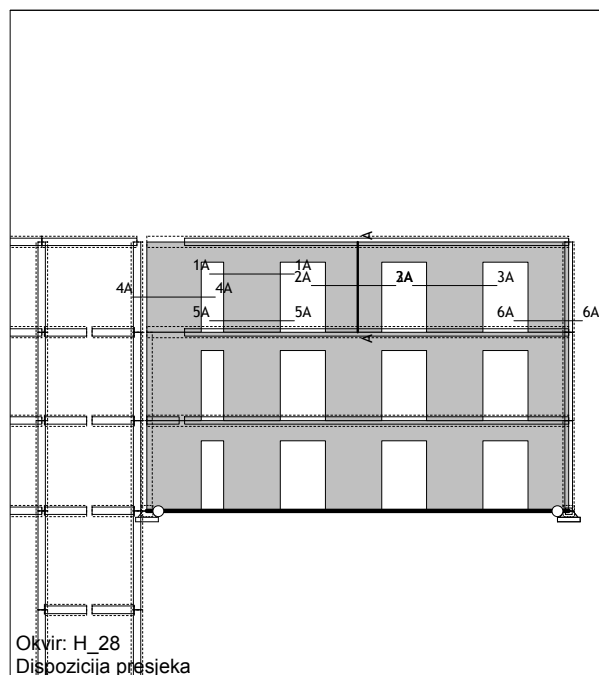
$\epsilon_b/\epsilon_a = -1.510/25.000 \text{ ‰}$
 As1 = 5.30 cm² (min:16.80) (odab:4Ø14)
 As2 = 5.30 cm² (min:16.80) (odab:4Ø14)
 Aav = ±2.51 cm²/m (min:±2.00) (odab:±Ø8/10)
 Aah = ±3.70 cm²/m (min:±2.00) (odab:±Ø8/10)

Z 92 Presjek 6A - 6A (Z=3.69m)

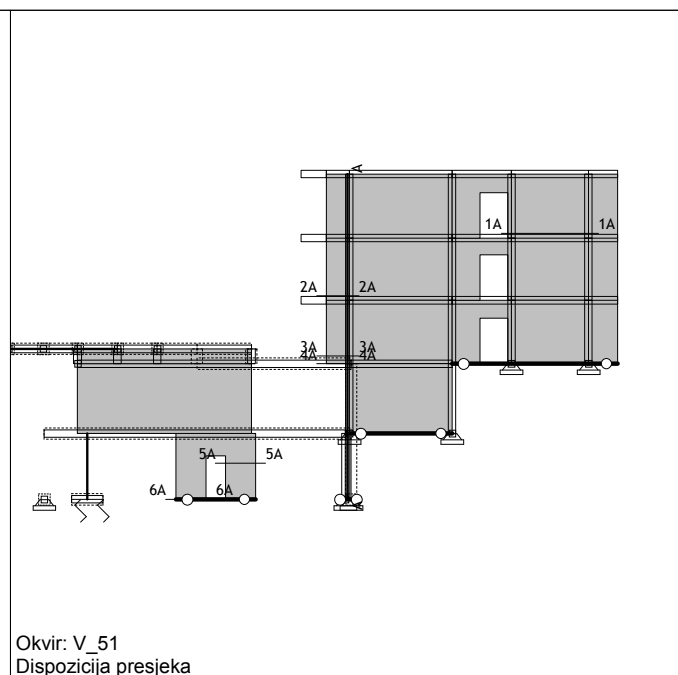
$$b/d = 20/285 \text{ cm} \quad A_b = 5700 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+IV
 Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIV
 Msd = 32.69 kNm
 Nsd = 148.83 kN
 Vsd = -802.54 kN

$\epsilon_b/\epsilon_a = -0.419/25.000 \text{ ‰}$
 As1 = 0.59 cm² (min:8.55) (odab:4Ø14)
 As2 = 0.59 cm² (min:8.55) (odab:4Ø14)
 Aav = ±0.63 cm²/m (min:±2.00) (odab:±Ø8/10)
 Aah = ±3.56 cm²/m (min:±2.00) (odab:±Ø8/10)

**Okvir: H_28**

TPBK
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 Kutna armatura B500B
 Uzdužna armatura B500B

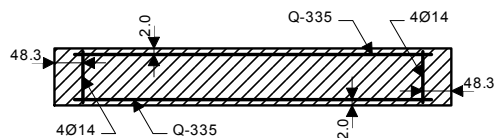
**Okvir: V_51**

Dispozicija presjeka

Kompletna shema opterećenja

Z 46-3 Presjek 1A - 1A (Z=15.31m)

Mjerodavni presjek za savijanje



$$b/d = 20/202 \text{ cm} \quad A_b = 4040 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+0.30xII+IV

Mjerodavna kombinacija za posmik: I+0.30xII+IV

Msd = -377.05 kNm

Nsd = -29.60 kN

Vsd = 229.94 kN

 $\epsilon_b/\epsilon_a = -3.285/25.000 \text{ ‰}$ As1 = 0.77 cm² (min:6.06) (odab:4Ø14)As2 = 0.77 cm² (min:6.06) (odab:4Ø14)Aav = ±3.35 cm²/m (min:±2.00)Aah = ±1.44 cm²/m (min:±2.00) (odab:±Q-335)Z 46-3 Presjek 2A - 2A (Z=14.90m)

$$b/d = 20/202 \text{ cm} \quad A_b = 4040 \text{ cm}^2$$

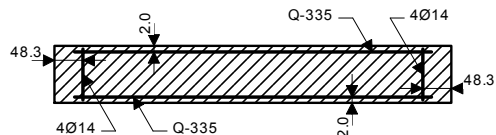
Mjerodavna kombinacija za savijanje: I+III

Mjerodavna kombinacija za posmik: I+0.30xII+IV

Msd = -159.43 kNm

Nsd = -21.35 kN

Vsd = 155.00 kN

 $\epsilon_b/\epsilon_a = -1.665/25.000 \text{ ‰}$ As1 = 0.00 cm² (min:6.06) (odab:4Ø14)As2 = 0.00 cm² (min:6.06) (odab:4Ø14)Aav = ±1.56 cm²/m (min:±2.00)Aah = ±0.97 cm²/m (min:±2.00) (odab:±Q-335)Z 46-3 Presjek 3A - 3A (Z=14.90m)

$$b/d = 20/201 \text{ cm} \quad A_b = 4020 \text{ cm}^2$$

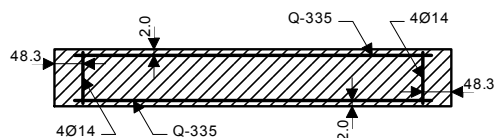
Mjerodavna kombinacija za savijanje: I+0.30xII+III

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIII

Msd = 36.39 kNm

Nsd = 71.44 kN

Vsd = -71.30 kN

 $\epsilon_b/\epsilon_a = -0.703/25.000 \text{ ‰}$ As1 = 0.00 cm² (min:6.03) (odab:4Ø14)As2 = 0.00 cm² (min:6.03) (odab:4Ø14)Aav = ±1.19 cm²/m (min:±2.00)Aah = ±0.45 cm²/m (min:±2.00) (odab:±Q-335)Z 46-3 Presjek 4A - 4A (Z=14.48m)

$$b/d = 20/195 \text{ cm} \quad A_b = 3900 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+IV

Mjerodavna kombinacija za posmik: I+0.30xII+IV

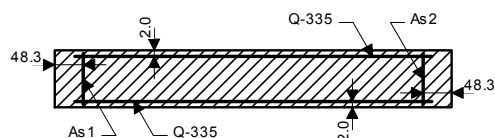
Msd = -27.20 kNm

Nsd = 15.35 kN

Vsd = 160.76 kN

 $\epsilon_b/\epsilon_a = -0.624/25.000 \text{ ‰}$ As1 = 0.00 cm² (min:5.85) (odab:4Ø14)As2 = 0.00 cm² (min:5.85) (odab:4Ø14)Aav = ±0.51 cm²/m (min:±2.00)Aah = ±1.04 cm²/m (min:±2.00) (odab:±Q-335)Z 46-3 Presjek 5A - 5A (Z=13.65m)

Mjerodavni presjek za posmik



$$b/d = 20/202 \text{ cm} \quad A_b = 4040 \text{ cm}^2$$

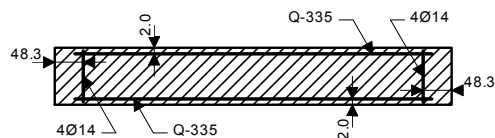
Mjerodavna kombinacija za savijanje: I+IV

Mjerodavna kombinacija za posmik: I+0.30xII+IV

Msd = 171.80 kNm

Nsd = -89.62 kN

Vsd = 242.17 kN

 $\epsilon_b/\epsilon_a = -1.750/25.000 \text{ ‰}$ As1 = 0.00 cm² (min:6.06)As2 = 0.00 cm² (min:6.06)Aav = ±0.95 cm²/m (min:±2.00)Aah = ±1.52 cm²/m (min:±2.00) (odab:±Q-335)Z 46-3 Presjek 6A - 6A (Z=13.65m)

$$b/d = 20/145 \text{ cm} \quad A_b = 2900 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+0.30xII+III

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIII

Msd = -58.07 kNm

Nsd = 88.72 kN

Vsd = -146.02 kN

 $\epsilon_b/\epsilon_a = -1.448/25.000 \text{ ‰}$ As1 = 0.35 cm² (min:4.35) (odab:4Ø14)As2 = 0.35 cm² (min:4.35) (odab:4Ø14)Aav = ±3.35 cm²/m (min:±2.00)Aah = ±1.27 cm²/m (min:±2.00) (odab:±Q-335)Okvir: V 51

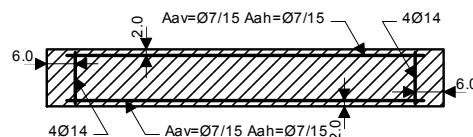
TPBK

C 25/30

Kutna armatura B500B

Uzdužna armatura B500B

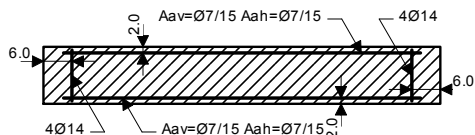
Kompletna shema opterećenja

Z 118-3 Presjek 1A - 1A (Z=13.46m)

$$b/d = 20/390 \text{ cm} \quad A_b = 7800 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+III
 Mjerodavna kombinacija za posmik: I+0.30xII+III
 Msd = -49.19 kNm
 Nsd = 97.24 kN
 Vsd = 333.85 kN

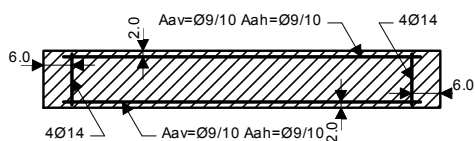
$\epsilon_b/\epsilon_a = -0.175/25.000 \%$
 As1 = 0.43 cm² (min:11.70) (odab:4Ø14)
 As2 = 0.43 cm² (min:11.70) (odab:4Ø14)
 Aav = ±0.26 cm²/m (min:±2.00) (odab:±Ø7/15)
 Aah = ±1.08 cm²/m (min:±2.00) (odab:±Ø7/15)

Z 116-5 Presjek 2A - 2A (Z=10.31m)

b/d = 15/115 cm Ab = 1725 cm²

Mjerodavna kombinacija za savijanje: I+IV
 Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIII
 Msd = -17.81 kNm
 Nsd = 42.11 kN
 Vsd = -46.97 kN

$\epsilon_b/\epsilon_a = -0.775/25.000 \%$
 As1 = 0.26 cm² (min:2.59) (odab:4Ø14)
 As2 = 0.26 cm² (min:2.59) (odab:4Ø14)
 Aav = ±0.59 cm²/m (min:±1.50) (odab:±Ø7/15)
 Aah = ±0.52 cm²/m (min:±1.50) (odab:±Ø7/15)

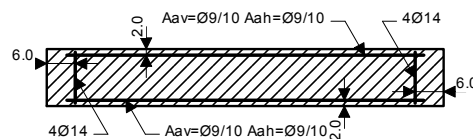
Z 116-3 Presjek 3A - 3A (Z=7.26m)
Mjerodavni presjek za savijanje i posmik

b/d = 15/115 cm Ab = 1725 cm²

Mjerodavna kombinacija za savijanje: I+0.30xII+III
 Mjerodavna kombinacija za posmik: 1.35xI+1.50xII
 Msd = -237.20 kNm
 Nsd = 343.29 kN
 Vsd = -291.16 kN

$\epsilon_b/\epsilon_a = -3.012/25.000 \%$

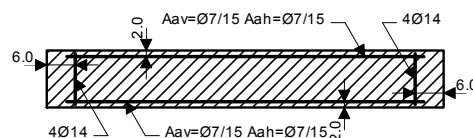
As1 = 2.79 cm² (min:2.59) (odab:4Ø14)
 As2 = 2.79 cm² (min:2.59) (odab:4Ø14)
 Aav = ±6.32 cm²/m (min:±1.50) (odab:±Ø9/10)
 Aah = ±3.20 cm²/m (min:±1.50) (odab:±Ø9/10)

Z 116-3 Presjek 4A - 4A (Z=6.86m)

b/d = 15/115 cm Ab = 1725 cm²

Mjerodavna kombinacija za savijanje: I+0.30xII+IV
 Mjerodavna kombinacija za posmik: 1.35xI+1.50xII
 Msd = -266.81 kNm
 Nsd = 190.91 kN
 Vsd = -272.00 kN

$\epsilon_b/\epsilon_a = -3.500/23.774 \%$
 As1 = 2.48 cm² (min:2.59) (odab:4Ø14)
 As2 = 2.48 cm² (min:2.59) (odab:4Ø14)
 Aav = ±5.63 cm²/m (min:±1.50) (odab:±Ø9/10)
 Aah = ±2.99 cm²/m (min:±1.50) (odab:±Ø9/10)

Z 115-1 Presjek 5A - 5A (Z=1.83m)

b/d = 20/153 cm Ab = 3060 cm²

Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII
 Mjerodavna kombinacija za posmik: I+0.30xII+III
 Msd = 143.28 kNm
 Nsd = -1451.37 kN
 Vsd = 45.63 kN

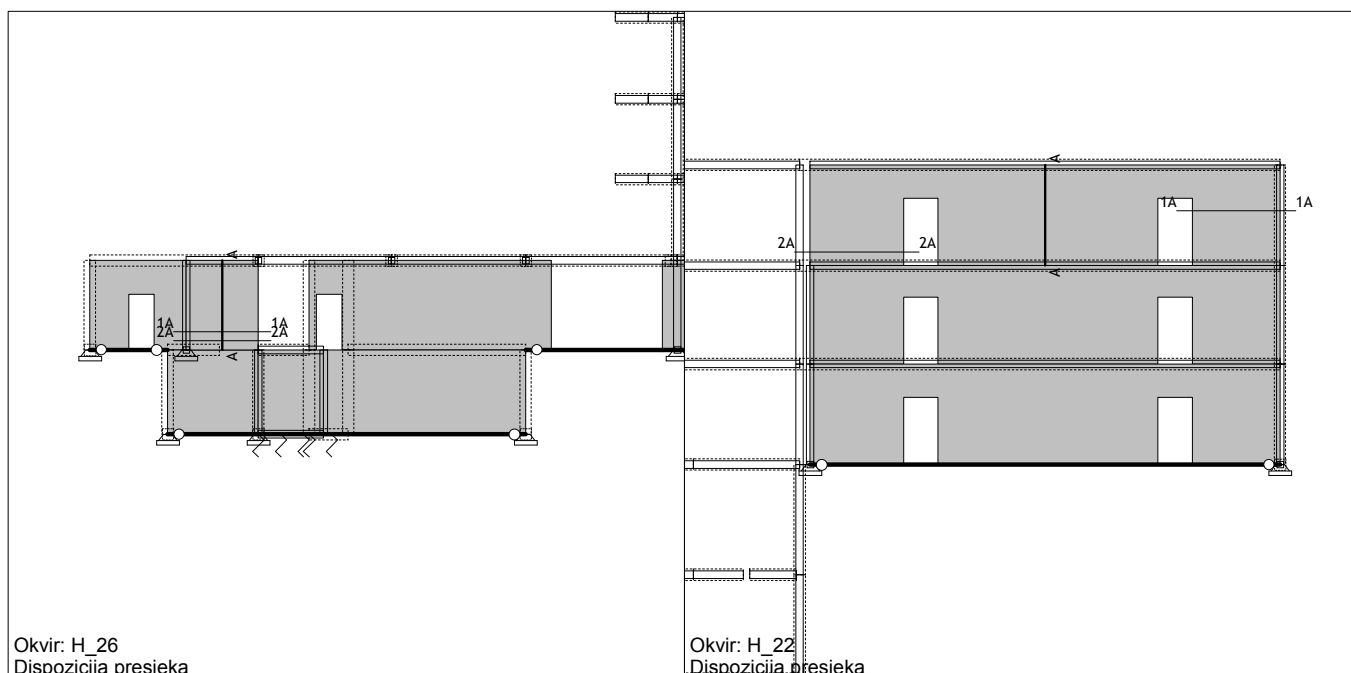
As1 = 0.00 cm² (min:4.59) (odab:4Ø14)
 As2 = 0.00 cm² (min:4.59) (odab:4Ø14)
 Aav = ±0.00 cm²/m (min:±2.00) (odab:±Ø7/15)
 Aah = ±0.38 cm²/m (min:±2.00) (odab:±Ø7/15)

Z 115-1 Presjek 6A - 6A (Z=0.00m)

b/d = 20/153 cm Ab = 3060 cm²

Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII
 Mjerodavna kombinacija za posmik: 1.35xI+1.50xII
 Msd = -137.07 kNm
 Nsd = -1497.88 kN
 Vsd = -165.35 kN

As1 = 0.00 cm² (min:4.59) (odab:4Ø14)
 As2 = 0.00 cm² (min:4.59) (odab:4Ø14)
 Aav = ±0.00 cm²/m (min:±2.00) (odab:±Ø7/15)
 Aah = ±1.37 cm²/m (min:±2.00) (odab:±Ø7/15)

**Okvir: H_26**

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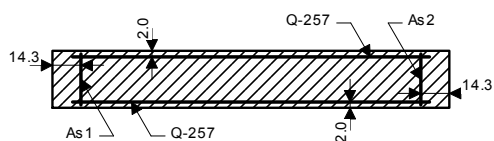
Kutna armatura B500B

Uzdužna armatura B500B

Kompletna shema opterećenja

Z 42-3 Presjek 1A - 1A (Z=4.05m)

Mjerodavni presjek za posmik



$$b/d = 20/285 \text{ cm} \quad A_b = 5700 \text{ cm}^2$$

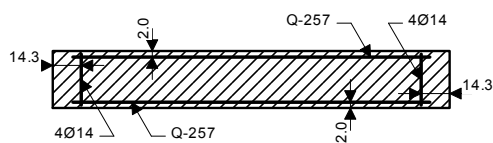
Mjerodavna kombinacija za savijanje: I+III
 Mjerodavna kombinacija za posmik: I+0.30xII+III
 $M_{sd} = 234.50 \text{ kNm}$
 $N_{sd} = 94.81 \text{ kN}$
 $V_{sd} = 230.49 \text{ kN}$

$$\epsilon_b/\epsilon_a = -1.169/25.000 \text{ ‰}$$

$$\begin{aligned} A_{s1} &= 0.00 \text{ cm}^2 & (\text{min: } 8.55) \\ A_{s2} &= 0.00 \text{ cm}^2 & (\text{min: } 8.55) \\ A_{av} &= \pm 1.19 \text{ cm}^2/\text{m} & (\text{min: } \pm 2.00) \\ A_{ah} &= \pm 1.02 \text{ cm}^2/\text{m} & (\text{min: } \pm 2.00) \end{aligned} \quad (\text{odab: } \pm Q-257)$$

Z 42-3 Presjek 2A - 2A (Z=3.69m)

Mjerodavni presjek za savijanje



$$b/d = 20/285 \text{ cm} \quad A_b = 5700 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+III
 Mjerodavna kombinacija za posmik: I+0.30xII+III
 $M_{sd} = 306.70 \text{ kNm}$
 $N_{sd} = 135.27 \text{ kN}$
 $V_{sd} = 222.89 \text{ kN}$

$$\begin{aligned} \epsilon_b/\epsilon_a &= -1.366/25.000 \text{ ‰} \\ A_{s1} &= 0.00 \text{ cm}^2 & (\text{min: } 8.55) & (\text{odab: } 4Ø14) \\ A_{s2} &= 0.00 \text{ cm}^2 & (\text{min: } 8.55) & (\text{odab: } 4Ø14) \\ A_{av} &= \pm 1.62 \text{ cm}^2/\text{m} & (\text{min: } \pm 2.00) \\ A_{ah} &= \pm 0.99 \text{ cm}^2/\text{m} & (\text{min: } \pm 2.00) & (\text{odab: } \pm Q-257) \end{aligned}$$

Okvir: H_22

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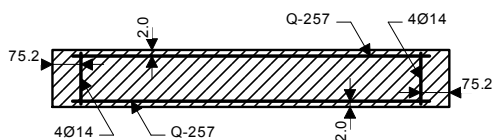
Kutna armatura B500B

Uzdužna armatura B500B

Kompletna shema opterećenja

Z 38-3 Presjek 1A - 1A (Z=14.98m)

Mjerodavni presjek za savijanje



$$b/d = 20/281 \text{ cm} \quad A_b = 5620 \text{ cm}^2$$

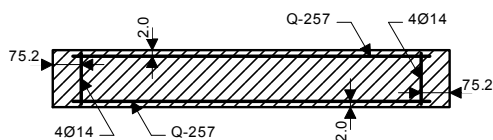
Mjerodavna kombinacija za savijanje: I+III
 Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIII
 $M_{sd} = 106.37 \text{ kNm}$
 $N_{sd} = 313.01 \text{ kN}$
 $V_{sd} = -95.59 \text{ kN}$

$$\epsilon_b/\epsilon_a = -0.894/25.000 \text{ ‰}$$

$$\begin{aligned} A_{s1} &= 1.14 \text{ cm}^2 & (\text{min: } 8.43) & (\text{odab: } 4Ø14) \\ A_{s2} &= 1.14 \text{ cm}^2 & (\text{min: } 8.43) & (\text{odab: } 4Ø14) \\ A_{av} &= \pm 2.57 \text{ cm}^2/\text{m} & (\text{min: } \pm 2.00) \\ A_{ah} &= \pm 0.43 \text{ cm}^2/\text{m} & (\text{min: } \pm 2.00) & (\text{odab: } \pm Q-257) \end{aligned}$$

Z 38-3 Presjek 2A - 2A (Z=13.67m)

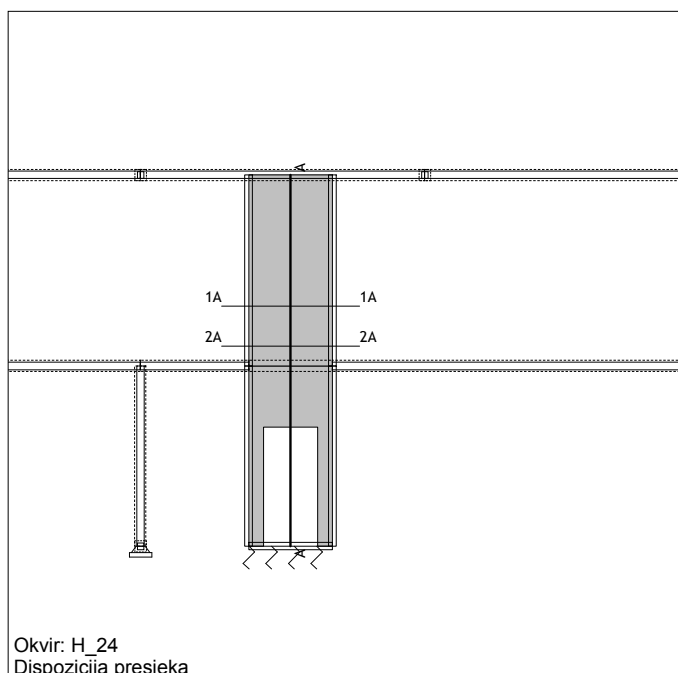
Mjerodavni presjek za posmik



$$b/d = 20/299 \text{ cm} \quad A_b = 5980 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+0.30xII-1.00xIV
 Mjerodavna kombinacija za posmik: I+0.30xII+III
 $M_{sd} = 124.27 \text{ kNm}$
 $N_{sd} = -273.82 \text{ kN}$
 $V_{sd} = 225.24 \text{ kN}$

$$\begin{aligned} A_{s1} &= 0.00 \text{ cm}^2 & (\text{min: } 8.97) & (\text{odab: } 4Ø14) \\ A_{s2} &= 0.00 \text{ cm}^2 & (\text{min: } 8.97) & (\text{odab: } 4Ø14) \\ A_{av} &= \pm 0.00 \text{ cm}^2/\text{m} & (\text{min: } \pm 2.00) \\ A_{ah} &= \pm 0.95 \text{ cm}^2/\text{m} & (\text{min: } \pm 2.00) & (\text{odab: } \pm Q-257) \end{aligned}$$

**Okvir: H_24**

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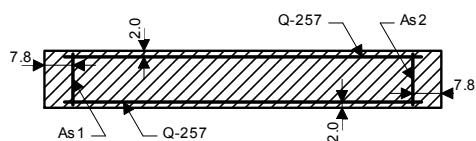
Kutna armatura B500B

Uzdužna armatura B500B

Kompletna shema opterećenja

Z 40-2 Presjek 1A - 1A (Z=4.43m)

Mjerodavni presjek za posmik



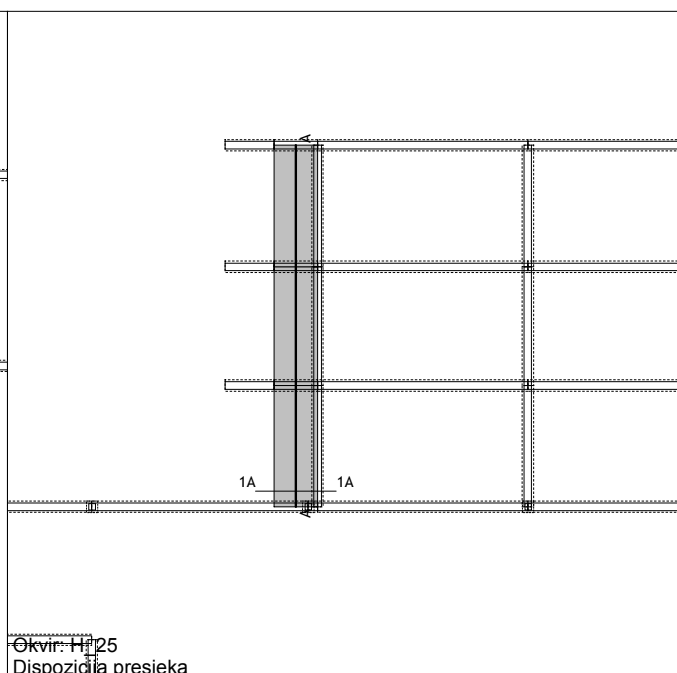
Mjerodavna kombinacija za savijanje: I+0.30xII+IV

Mjerodavna kombinacija za posmik: I+0.30xII+III

Msd = 41.12 kNm

Nsd = 141.45 kN

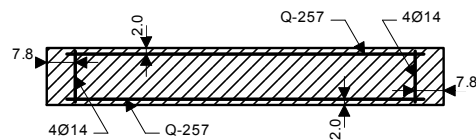
Vsd = 102.82 kN

 $\epsilon_b/\epsilon_a = -0.990/25.000 \text{ ‰}$ 

As1 =	0.00 cm ²	(min:3.49)	
As2 =	0.00 cm ²	(min:3.49)	
Aav =	±1.62 cm ² /m	(min:±1.50)	
Aah =	±0.84 cm ² /m	(min:±1.50)	(odab:±Q-257)

Z 40-2 Presjek 2A - 2A (Z=3.70m)

Mjerodavni presjek za savijanje



Mjerodavna kombinacija za savijanje: I+0.30xII+IV

Mjerodavna kombinacija za posmik: I+0.30xII+III

Msd = 99.62 kNm

Nsd = 282.92 kN

Vsd = 101.17 kN

 $\epsilon_b/\epsilon_a = -1.252/25.000 \text{ ‰}$ As1 = 1.26 cm² (min:3.49) (odab:4Ø14)As2 = 1.26 cm² (min:3.49) (odab:4Ø14)Aav = ±2.57 cm²/m (min:±1.50)Aah = ±0.83 cm²/m (min:±1.50) (odab:±Q-257)**Okvir: H_25**

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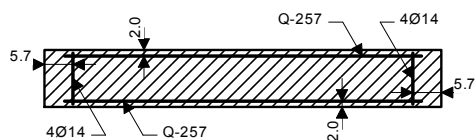
Kutna armatura B500B

Uzdužna armatura B500B

Kompletna shema opterećenja

Z 41-1 Presjek 1A - 1A (Z=7.27m)

Mjerodavni presjek za savijanje i posmik



Mjerodavna kombinacija za savijanje: I+0.30xII+III

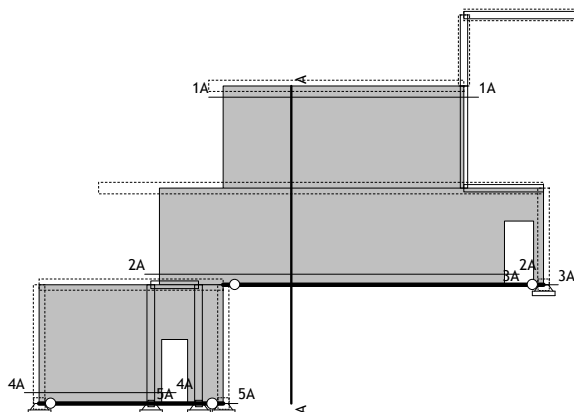
Mjerodavna kombinacija za posmik: 1.35xI+1.50xII

Msd = -183.79 kNm

Nsd = -245.68 kN

Vsd = -171.01 kN

 $\epsilon_b/\epsilon_a = -3.500/15.741 \text{ ‰}$ As1 = 0.00 cm² (min:2.59) (odab:4Ø14)As2 = 0.00 cm² (min:2.59) (odab:4Ø14)Aav = ±1.47 cm²/m (min:±1.50)Aah = ±1.88 cm²/m (min:±1.50) (odab:±Q-257)



Okvir: V_4
Dispozicija presjeka

Okvir: V_4

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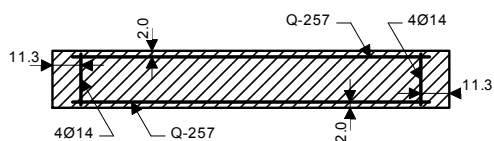
Kutna armatura B500B

Uzdužna armatura B500B

Kompletna shema opterećenja

Z 57-3 Presjek 1A - 1A (Z=6.47m)

Mjerodavni presjek za savijanje



$$b/d = 20/830 \text{ cm} \quad A_b = 16600 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+III

Mjerodavna kombinacija za posmik: I+0.30xII+IV

Msd = -2401.36 kNm

Nsd = -336.01 kN

Vsd = 636.55 kN

$\epsilon_b/\epsilon_a = -1.293/25.000 \%$

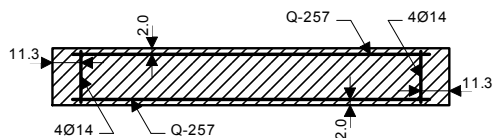
As1 = 0.00 cm² (min:24.90) (odab:4Ø14)

As2 = 0.00 cm² (min:24.90) (odab:4Ø14)

Aav = $\pm 0.38 \text{ cm}^2/\text{m}$ (min: ± 2.00)

Aah = $\pm 0.97 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm Q-257$)

Z 57-2 Presjek 2A - 2A (Z=0.37m)



$$b/d = 20/1190 \text{ cm} \quad A_b = 23800 \text{ cm}^2$$

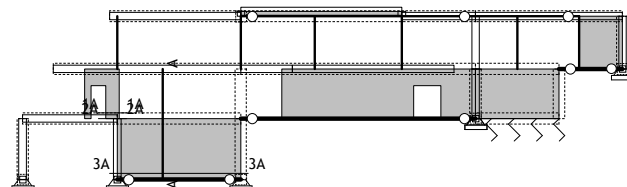
Mjerodavna kombinacija za savijanje: I+0.30xII-1.00xIII

Mjerodavna kombinacija za posmik: I+0.30xII+III

Msd = 3066.90 kNm

Nsd = -1321.95 kN

Vsd = 559.01 kN



Okvir: V_7
Dispozicija presjeka

As1 = 0.00 cm² (min:35.70) (odab:4Ø14)

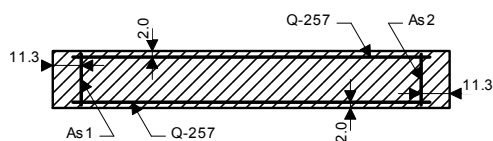
As2 = 0.00 cm² (min:35.70) (odab:4Ø14)

Aav = $\pm 0.00 \text{ cm}^2/\text{m}$ (min: ± 2.00)

Aah = $\pm 0.59 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm Q-257$)

Z 57-2 Presjek 3A - 3A (Z=0.00m)

Mjerodavni presjek za posmik



$$b/d = 20/34 \text{ cm} \quad A_b = 680 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+0.30xII+IV

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIV

Msd = -9.65 kNm

Nsd = 29.26 kN

Vsd = -53.23 kN

$\epsilon_b/\epsilon_a = -3.352/25.000 \%$

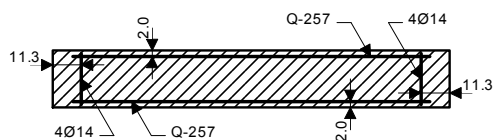
As1 = 0.75 cm² (min:1.02)

As2 = 0.75 cm² (min:1.02)

Aav = $\pm 2.57 \text{ cm}^2/\text{m}$ (min: ± 2.00)

Aah = $\pm 1.98 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm Q-257$)

Z 57-1 Presjek 4A - 4A (Z=-3.72m)



$$b/d = 20/422.5 \text{ cm} \quad A_b = 8450 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII

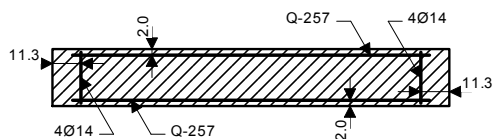
Mjerodavna kombinacija za posmik: I+0.30xII+III

Msd = -85.89 kNm

Nsd = -331.32 kN

Vsd = 259.12 kN

As1 = 0.00 cm² (min:12.67) (odab:4Ø14)
 As2 = 0.00 cm² (min:12.67) (odab:4Ø14)
 Aav = ±0.00 cm²/m (min:±2.00)
 Aah = ±0.78 cm²/m (min:±2.00) (odab:±Q-257)

Z 57-1 Presjek 5A - 5A (Z=-4.09m)

b/d = 20/122.5 cm Ab = 2450 cm²

Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII
 Mjerodavna kombinacija za posmik: 1.35xI+1.50xII
 Msd = 19.73 kNm
 Nsd = -163.22 kN
 Vsd = 39.73 kN

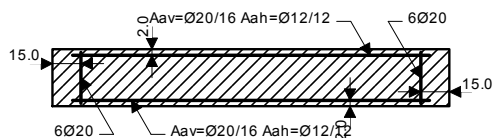
As1 = 0.00 cm² (min:3.68) (odab:4Ø14)
 As2 = 0.00 cm² (min:3.68) (odab:4Ø14)
 Aav = ±0.00 cm²/m (min:±2.00)
 Aah = ±0.41 cm²/m (min:±2.00) (odab:±Q-257)

Okvir: V 7

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 Kutna armatura B500B
 Uzdužna armatura B500B
 Kompletna shema opterećenja

Z 62-2 Presjek 1A - 1A (Z=0.37m)

Mjerodavni presjek za savijanje



b/d = 20/89 cm Ab = 1780 cm²

Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII

Mjerodavna kombinacija za posmik: 1.35xI+1.50xII

Msd = -550.38 kNm

Nsd = -2256.01 kN

Vsd = -364.97 kN

εb/εa = -3.500/0.460 ‰

As1 = 17.32 cm² (min:2.67) (odab:6Ø20)

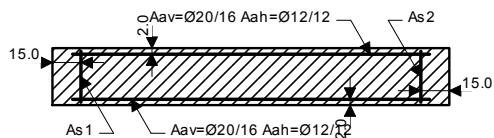
As2 = 17.32 cm² (min:2.67) (odab:6Ø20)

Aav = ±6.36 cm²/m (min:±2.00) (odab:±Ø20/16)

Aah = ±5.19 cm²/m (min:±2.00) (odab:±Ø12/12)

Z 62-2 Presjek 2A - 2A (Z=0.00m)

Mjerodavni presjek za posmik



b/d = 20/89 cm Ab = 1780 cm²

Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII

Mjerodavna kombinacija za posmik: 1.35xI+1.50xII

Msd = -434.83 kNm

Nsd = -1150.20 kN

Vsd = -593.64 kN

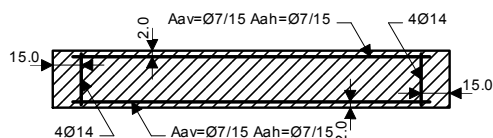
εb/εa = -3.500/1.947 ‰

As1 = 5.49 cm² (min:2.67)

As2 = 5.49 cm² (min:2.67)

Aav = ±6.36 cm²/m (min:±2.00) (odab:±Ø20/16)

Aah = ±8.44 cm²/m (min:±2.00) (odab:±Ø12/12)

Z 62-1 Presjek 3A - 3A (Z=-3.68m)

b/d = 20/830 cm Ab = 16600 cm²

Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII

Mjerodavna kombinacija za posmik: 1.35xI+1.50xII

Msd = 680.27 kNm

Nsd = -2232.10 kN

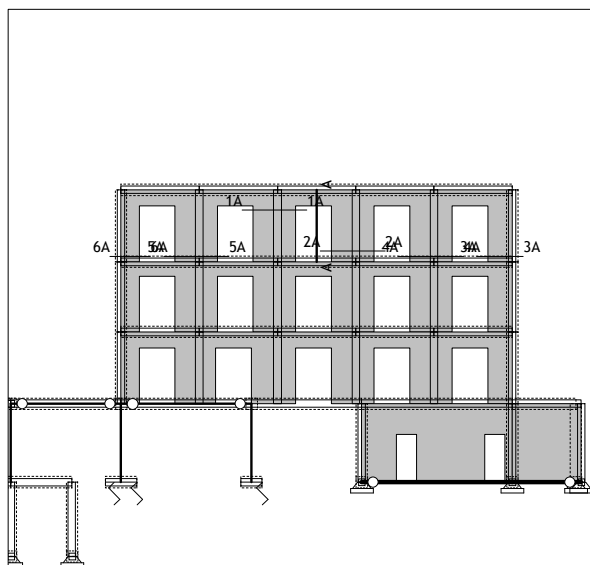
Vsd = -230.27 kN

As1 = 0.00 cm² (min:24.90) (odab:4Ø14)

As2 = 0.00 cm² (min:24.90) (odab:4Ø14)

Aav = ±0.00 cm²/m (min:±2.00) (odab:±Ø7/15)

Aah = ±0.35 cm²/m (min:±2.00) (odab:±Ø7/15)



Okvir: V_20
Dispozicija presjeka

Okvir: V_20

TPBK

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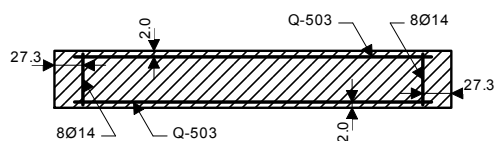
Kutna armatura B500B

Uzdužna armatura B500B

Kompletna shema opterećenja

Z 77-4 Presjek 1A - 1A (Z=15.55m)

Mjerodavni presjek za savijanje



$$b/d = 20/191 \text{ cm} \quad A_b = 3820 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+0.30xII+IV

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIV

Msd = 1041.68 kNm

Nsd = 80.92 kN

Vsd = -475.76 kN

$\epsilon_b/\epsilon_a = -3.500/13.862 \%$

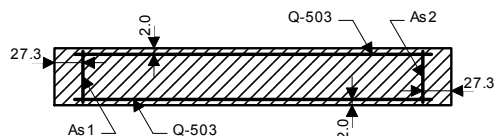
As1 = 10.01 cm² (min:5.73) (odab:8Ø14)

As2 = 10.01 cm² (min:5.73) (odab:8Ø14)

Aav = $\pm 5.03 \text{ cm}^2/\text{m}$ (min: ± 2.00)

Aah = $\pm 3.15 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm Q-503$)

Z 77-4 Presjek 2A - 2A (Z=13.71m)



$$b/d = 20/191 \text{ cm} \quad A_b = 3820 \text{ cm}^2$$

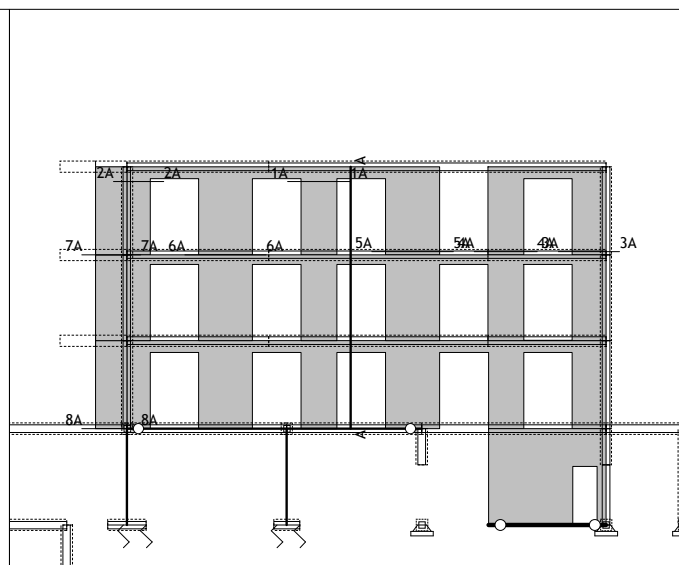
Mjerodavna kombinacija za savijanje: I+0.30xII-1.00xIII

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIV

Msd = -75.12 kNm

Nsd = -360.74 kN

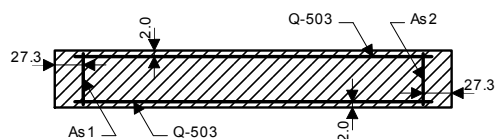
Vsd = -449.00 kN



Okvir: V_25
Dispozicija presjeka

As1 = 0.00 cm² (min:5.73)
As2 = 0.00 cm² (min:5.73)
Aav = $\pm 0.00 \text{ cm}^2/\text{m}$ (min: ± 2.00)
Aah = $\pm 2.97 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm Q-503$)

Z 77-4 Presjek 3A - 3A (Z=13.47m)



$$b/d = 20/109 \text{ cm} \quad A_b = 2180 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+0.30xII+IV

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIV

Msd = -46.20 kNm

Nsd = 5.25 kN

Vsd = -155.30 kN

$\epsilon_b/\epsilon_a = -1.676/25.000 \%$

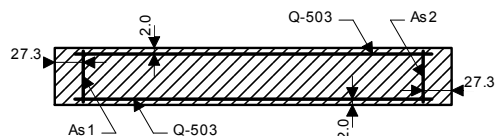
As1 = 0.00 cm² (min:3.27)

As2 = 0.00 cm² (min:3.27)

Aav = $\pm 1.97 \text{ cm}^2/\text{m}$ (min: ± 2.00)

Aah = $\pm 1.80 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm Q-503$)

Z 77-4 Presjek 4A - 4A (Z=13.47m)



$$b/d = 20/191 \text{ cm} \quad A_b = 3820 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+III

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIV

Msd = -103.73 kNm

Nsd = -27.79 kN

Vsd = -277.51 kN

$\epsilon_b/\epsilon_a = -1.268/25.000 \%$

As1 = 0.00 cm² (min:5.73)

As2 = 0.00 cm² (min:5.73)

Aav = $\pm 0.71 \text{ cm}^2/\text{m}$ (min: ± 2.00)

Aah = $\pm 1.84 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm Q-503$)

Z 77-4 Presjek 5A - 5A (Z=13.47m)

$$b/d = 20/191 \text{ cm} \quad A_b = 3820 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+0.30xII+III

Mjerodavna kombinacija za posmik: I+0.30xII+IV

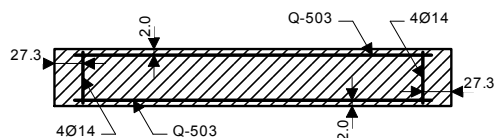
Msd = 95.77 kNm

Nsd = 48.81 kN

Vsd = 263.07 kN

$\epsilon_b/\epsilon_a = -1.208/25.000 \text{ ‰}$
As1 = 0.00 cm² (min:5.73)As2 = 0.00 cm² (min:5.73)Aav = ±1.28 cm²/m (min:±2.00)Aah = ±1.74 cm²/m (min:±2.00) (odab:±Q-503)Z 77-4 Presjek 6A - 6A (Z=13.47m)

Mjerodavni presjek za posmik

b/d = 20/82 cm Ab = 1640 cm²

Mjerodavna kombinacija za savijanje: I+0.30xII+IV

Mjerodavna kombinacija za posmik: I+0.30xII+IV

Msd = 74.38 kNm

Nsd = 67.81 kN

Vsd = 215.29 kN

 $\epsilon_b/\epsilon_a = -3.500/18.590 \text{ ‰}$
As1 = 1.70 cm² (min:2.46) (odab:4Ø14)As2 = 1.70 cm² (min:2.46) (odab:4Ø14)Aav = ±5.03 cm²/m (min:±2.00) (odab:±Q-503)Aah = ±3.32 cm²/m (min:±2.00) (odab:±Q-503)**Okvir: V 25**

TPBK

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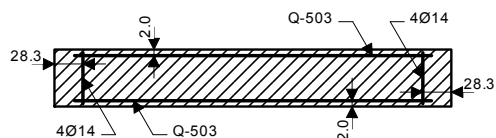
Kutna armatura B500B

Uzdužna armatura B500B

Kompletna shema opterećenja

Z 82-4 Presjek 1A - 1A (Z=15.91m)

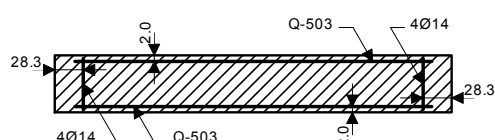
Mjerodavni presjek za savijanje

b/d = 20/131 cm Ab = 2620 cm²

Msd = -56.43 kNm

Nsd = 92.85 kN

Vsd = -120.23 kN

 $\epsilon_b/\epsilon_a = -1.584/25.000 \text{ ‰}$
As1 = 0.00 cm² (min:3.72) (odab:4Ø14)As2 = 0.00 cm² (min:3.72) (odab:4Ø14)Aav = ±3.20 cm²/m (min:±2.00) (odab:±Q-503)Aah = ±1.23 cm²/m (min:±2.00) (odab:±Q-503)Z 82-5 Presjek 4A - 4A (Z=13.35m)b/d = 20/130 cm Ab = 2600 cm²

Mjerodavna kombinacija za savijanje: I+0.30xII+IV

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIV

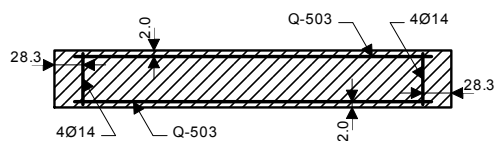
Msd = 430.53 kNm

Nsd = 47.73 kN

Vsd = -146.30 kN

 $\epsilon_b/\epsilon_a = -3.500/10.329 \text{ ‰}$
As1 = 6.93 cm² (min:3.93) (odab:4Ø14)As2 = 6.93 cm² (min:3.93) (odab:4Ø14)Aav = ±5.03 cm²/m (min:±2.00) (odab:±Q-503)Aah = ±1.41 cm²/m (min:±2.00) (odab:±Q-503)Z 82-4 Presjek 2A - 2A (Z=15.91m)

Mjerodavni presjek za posmik

b/d = 20/85 cm Ab = 1700 cm²

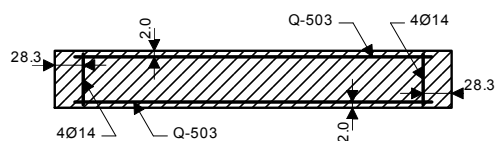
Mjerodavna kombinacija za savijanje: I+IV

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIV

Msd = -59.93 kNm

Nsd = -68.65 kN

Vsd = -82.56 kN

 $\epsilon_b/\epsilon_a = -1.537/25.000 \text{ ‰}$
As1 = 0.00 cm² (min:3.90) (odab:4Ø14)As2 = 0.00 cm² (min:3.90) (odab:4Ø14)Aav = ±0.42 cm²/m (min:±2.00) (odab:±Q-503)Aah = ±0.80 cm²/m (min:±2.00) (odab:±Q-503)Z 82-4 Presjek 5A - 5A (Z=13.35m)b/d = 20/198 cm Ab = 3960 cm²

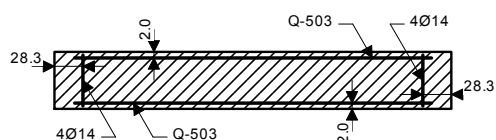
Mjerodavna kombinacija za savijanje: I+0.30xII+IV

Mjerodavna kombinacija za posmik: 1.35xI+1.50xII

Msd = -179.52 kNm

Nsd = -164.38 kN

Vsd = 339.38 kN

 $\epsilon_b/\epsilon_a = -3.500/5.572 \text{ ‰}$
As1 = 3.46 cm² (min:2.55) (odab:4Ø14)As2 = 3.46 cm² (min:2.55) (odab:4Ø14)Aav = ±5.03 cm²/m (min:±2.00) (odab:±Q-503)Aah = ±5.05 cm²/m (min:±2.00) (odab:±Q-503)Z 82-5 Presjek 3A - 3A (Z=13.35m)b/d = 20/124 cm Ab = 2480 cm²

Mjerodavna kombinacija za savijanje: I+0.30xII+IV

Mjerodavna kombinacija za posmik: 1.35xI+1.50xII

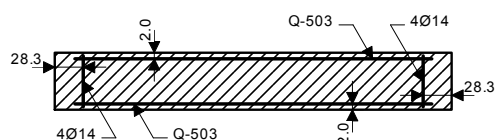
Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII

Mjerodavna kombinacija za posmik: 1.35xI+1.50xII

Msd = -130.00 kNm

Nsd = -485.83 kN

Vsd = -183.73 kN

As1 = 0.00 cm² (min:5.94) (odab:4Ø14)As2 = 0.00 cm² (min:5.94) (odab:4Ø14)Aav = ±0.00 cm²/m (min:±2.00) (odab:±Q-503)Aah = ±1.17 cm²/m (min:±2.00) (odab:±Q-503)Z 82-4 Presjek 6A - 6A (Z=13.23m)b/d = 20/197 cm Ab = 3940 cm²

Mjerodavna kombinacija za savijanje: I+0.30xII+IV

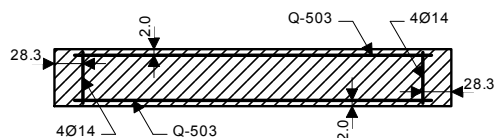
Mjerodavna kombinacija za posmik: 1.35xI+1.50xII

Msd = 110.41 kNm
 Nsd = 18.48 kN
 Vsd = 16.50 kN

$\epsilon_b/\epsilon_a = -1.269/25.000 \%$

As1 = 0.00 cm² (min:5.91) (odab:4Ø14)
 As2 = 0.00 cm² (min:5.91) (odab:4Ø14)
 Aav = ±1.10 cm²/m (min:±2.00)
 Aah = ±0.11 cm²/m (min:±2.00) (odab:±Q-503)

Z 83-3 Presjek 7A - 7A (Z=13.23m)



b/d = 15/115 cm Ab = 1725 cm²

Mjerodavna kombinacija za savijanje: I+IV
 Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIV

Msd = 45.41 kNm
 Nsd = 73.20 kN
 Vsd = -21.28 kN

$\epsilon_b/\epsilon_a = -1.865/25.000 \%$

As1 = 0.00 cm² (min:2.59) (odab:4Ø14)
 As2 = 0.00 cm² (min:2.59) (odab:4Ø14)
 Aav = ±3.07 cm²/m (min:±1.50)
 Aah = ±0.23 cm²/m (min:±1.50) (odab:±Q-503)

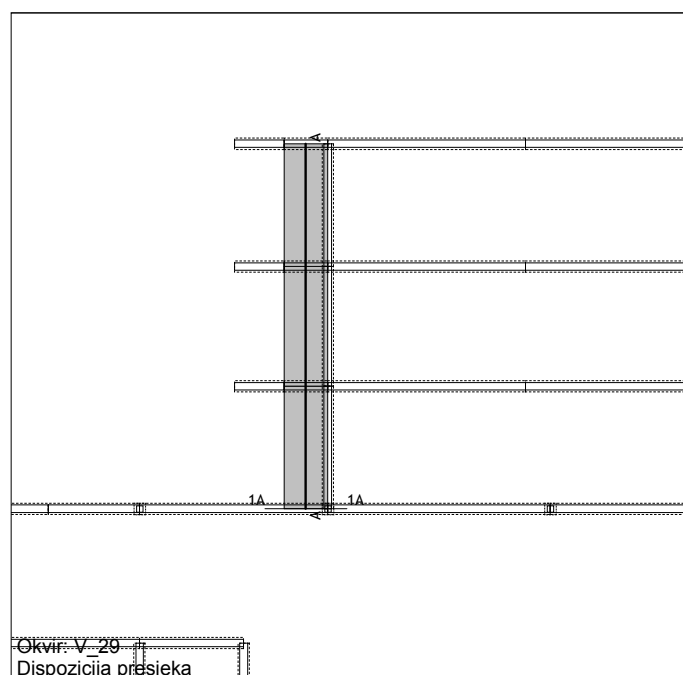
Z 83-1 Presjek 8A - 8A (Z=6.86m)

b/d = 15/115 cm Ab = 1725 cm²

Mjerodavna kombinacija za savijanje: I+0.30xII+IV
 Mjerodavna kombinacija za posmik: 1.35xI+1.50xII
 Msd = -234.24 kNm
 Nsd = 15.35 kN
 Vsd = -312.19 kN

$\epsilon_b/\epsilon_a = -3.500/9.028 \%$

As1 = 3.53 cm² (min:2.59) (odab:4Ø14)
 As2 = 3.53 cm² (min:2.59) (odab:4Ø14)
 Aav = ±5.03 cm²/m (min:±1.50)
 Aah = ±3.43 cm²/m (min:±1.50) (odab:±Q-503)

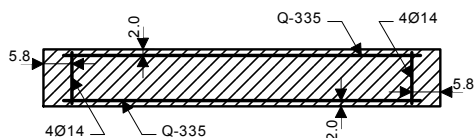


Okvir: V_29

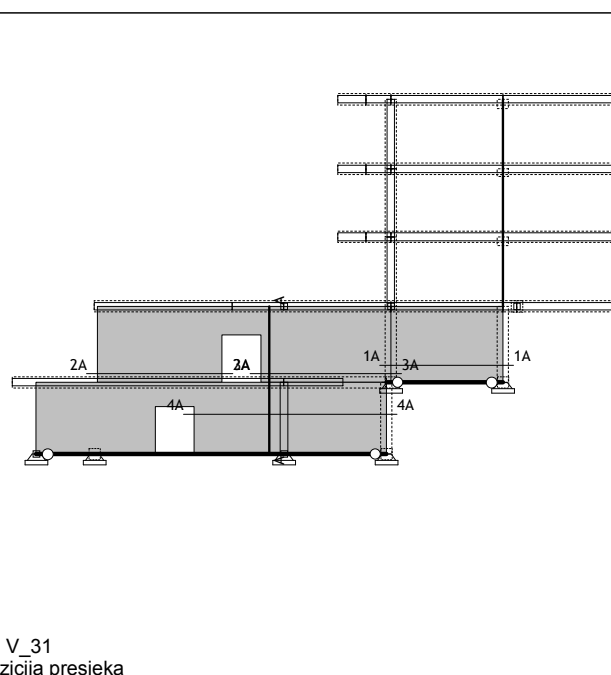
TPBK
 C 25/30
 Kutna armatura B500B
 Uzdužna armatura B500B
 Kompletna shema opterećenja

Z 87-1 Presjek 1A - 1A (Z=6.86m)

Mjerodavni presjek za savijanje i posmik



b/d = 15/115 cm Ab = 1725 cm²



Mjerodavna kombinacija za savijanje: I+0.30xII+III
 Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIV
 Msd = -109.48 kNm
 Nsd = 24.96 kN
 Vsd = -278.10 kN

$\epsilon_b/\epsilon_a = -2.868/25.000 \%$

As1 = 0.00 cm² (min:2.59) (odab:4Ø14)
 As2 = 0.00 cm² (min:2.59) (odab:4Ø14)
 Aav = ±2.61 cm²/m (min:±1.50)
 Aah = ±3.06 cm²/m (min:±1.50) (odab:±Q-335)

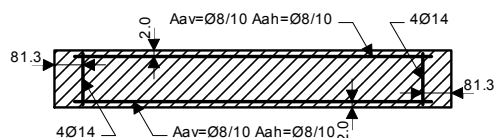
Okvir: V_31

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 C 25/30
 Kutna armatura B500B
 Uzdužna armatura B500B

Kompletna shema opterećenja

Z 90 Presjek 1A - 1A (Z=4.11m)

Mjerodavni presjek za posmik



$$b/d = 120/520 \text{ cm} \quad A_b = 62400 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+0.30xII-1.00xIV

Mjerodavna kombinacija za posmik: I+0.30xII+IV

Msd = 1393.63 kNm

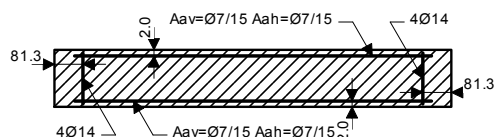
Nsd = -1597.87 kN

Vsd = 2006.72 kN

As1 =	0.00 cm ²	(min:93.60)	(odab:4Ø14)
As2 =	0.00 cm ²	(min:93.60)	(odab:4Ø14)
Aav =	±0.00 cm ² /m	(min:±12.00)	(odab:±Ø8/10)
Aah =	±4.88 cm ² /m	(min:±12.00)	(odab:±Ø8/10)

Z 89-2 Presjek 2A - 2A (Z=3.72m)

Mjerodavni presjek za savijanje



$$b/d = 20/578 \text{ cm} \quad A_b = 11560 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+IV

Mjerodavna kombinacija za posmik: I+0.30xII+IV

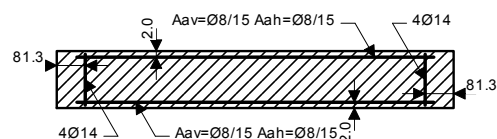
Msd = 1960.93 kNm

Nsd = -494.90 kN

Vsd = 986.05 kN

$$\epsilon_b/\epsilon_a = -2.037/25.000 \text{ ‰}$$

As1 =	0.00 cm ²	(min:17.34)	(odab:4Ø14)
As2 =	0.00 cm ²	(min:17.34)	(odab:4Ø14)
Aav =	±0.61 cm ² /m	(min:±2.00)	(odab:±Ø7/15)
Aah =	±2.16 cm ² /m	(min:±2.00)	(odab:±Ø7/15)

Z 89-2 Presjek 3A - 3A (Z=3.72m)

$$b/d = 20/602 \text{ cm} \quad A_b = 12040 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII

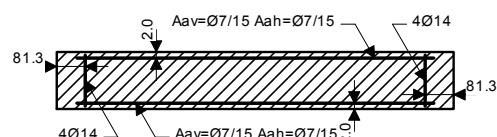
Mjerodavna kombinacija za posmik: I+0.30xII+IV

Msd = -1034.54 kNm

Nsd = -1959.14 kN

Vsd = 1414.92 kN

As1 =	0.00 cm ²	(min:18.06)	(odab:4Ø14)
As2 =	0.00 cm ²	(min:18.06)	(odab:4Ø14)
Aav =	±0.00 cm ² /m	(min:±2.00)	(odab:±Ø8/15)
Aah =	±2.97 cm ² /m	(min:±2.00)	(odab:±Ø8/15)

Z 89-1 Presjek 4A - 4A (Z=1.83m)

$$b/d = 20/891 \text{ cm} \quad A_b = 17820 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+0.30xII-1.00xIV

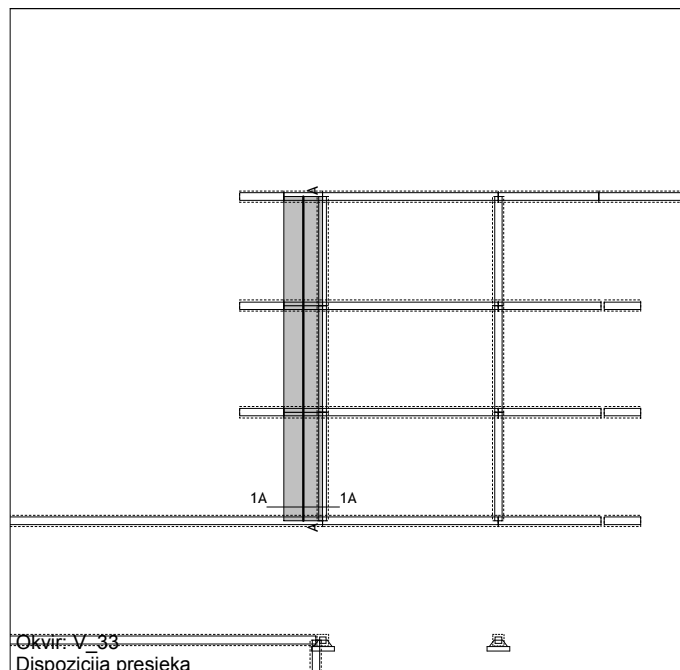
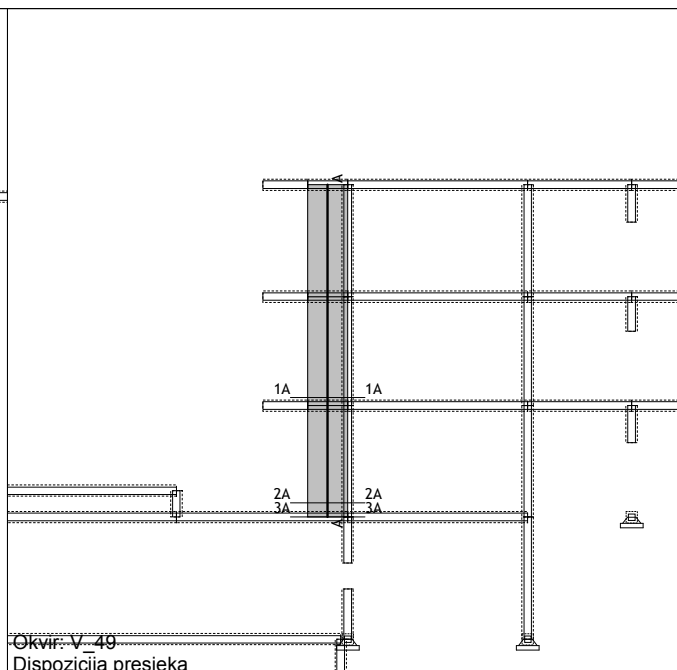
Mjerodavna kombinacija za posmik: I+0.30xII+IV

Msd = 1488.72 kNm

Nsd = -2203.61 kN

Vsd = 1413.22 kN

As1 =	0.00 cm ²	(min:26.73)	(odab:4Ø14)
As2 =	0.00 cm ²	(min:26.73)	(odab:4Ø14)
Aav =	±0.00 cm ² /m	(min:±2.00)	(odab:±Ø7/15)
Aah =	±2.01 cm ² /m	(min:±2.00)	(odab:±Ø7/15)

Okvir: V_33
Dispozicija presjekaOkvir: V_49
Dispozicija presjekaOkvir: V_33

TPBK

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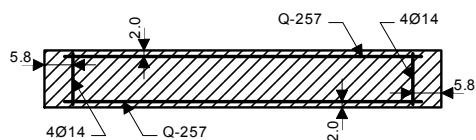
Kutna armatura B500B

Uzdužna armatura B500B

Kompletna shema opterećenja

Z 93-1 Presjek 1A - 1A (Z=7.27m)

Mjerodavni presjek za savijanje i posmik



$$b/d = 15/115 \text{ cm} \quad A_b = 1725 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+0.30xII+IV

Mjerodavna kombinacija za posmik: 1.35xI+1.50xII

Msd = -200.87 kNm

Nsd = 168.98 kN

Vsd = -167.10 kN

 $\epsilon_b/\epsilon_a = -2.299/25.000 \text{ ‰}$ As1 = 3.73 cm²

(min:2.59)

(odab:4Ø14)

As2 = 3.73 cm²

(min:2.59)

(odab:4Ø14)

Aav = ±2.57 cm²/m

(min:±1.50)

(odab:±Q-257)

Aah = ±1.84 cm²/m

(min:±1.50)

(odab:±Q-257)

Okvir: V 49

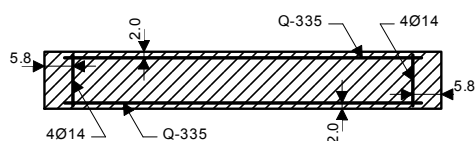
TPBK

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Kutna armatura B500B

Uzdužna armatura B500B

Kompletna shema opterećenja

Z 113-2 Presjek 1A - 1A (Z=10.31m)

$$b/d = 15/115 \text{ cm} \quad A_b = 1725 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIII

Msd = -51.22 kNm

Nsd = -224.87 kN

Vsd = -40.38 kN

As1 = 0.00 cm² (min:2.59)

(odab:4Ø14)

As2 = 0.00 cm² (min:2.59)

(odab:4Ø14)

Aav = ±0.00 cm²/m (min:±1.50)Aah = ±0.44 cm²/m (min:±1.50)

(odab:±Q-335)

Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII

Mjerodavna kombinacija za posmik: 1.35xI+1.50xII

Msd = -267.31 kNm

Nsd = -14.15 kN

Vsd = -254.93 kN

 $\epsilon_b/\epsilon_a = -3.500/21.837 \text{ ‰}$ As1 = 2.44 cm²

(min:2.59)

(odab:4Ø14)

As2 = 2.44 cm²

(min:2.59)

(odab:4Ø14)

Aav = ±3.35 cm²/m

(min:±1.50)

(odab:±Q-335)

Aah = ±2.80 cm²/m

(min:±1.50)

(odab:±Q-335)

Z 113-1 Presjek 3A - 3A (Z=6.86m)

Mjerodavni presjek za posmik

$$b/d = 15/115 \text{ cm} \quad A_b = 1725 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII

Mjerodavna kombinacija za posmik: 1.35xI+1.50xII

Msd = -273.12 kNm

Nsd = -134.51 kN

Vsd = -279.74 kN

 $\epsilon_b/\epsilon_a = -3.500/15.318 \text{ ‰}$ As1 = 1.46 cm²

(min:2.59)

(odab:4Ø14)

As2 = 1.46 cm²

(min:2.59)

(odab:4Ø14)

Aav = ±3.35 cm²/m

(min:±1.50)

(odab:±Q-335)

Aah = ±3.08 cm²/m

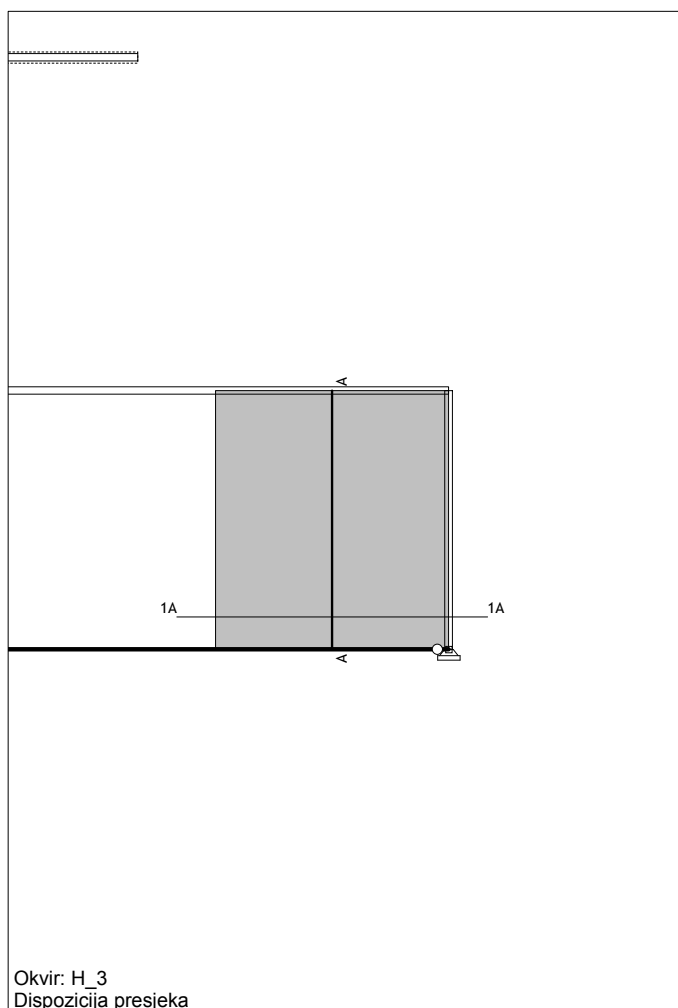
(min:±1.50)

(odab:±Q-335)

Z 113-1 Presjek 2A - 2A (Z=7.27m)

Mjerodavni presjek za savijanje

$$b/d = 15/115 \text{ cm} \quad A_b = 1725 \text{ cm}^2$$

**Okvir: H 3**

TPBK

C 25/30

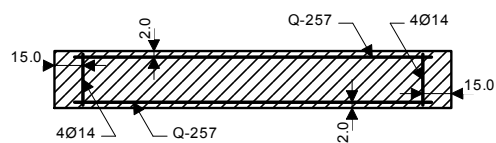
Kutna armatura B500B

Uzdužna armatura B500B

Kompletna shema opterećenja

Z 3 Presjek 1A - 1A (Z=0.42m)

Mjerodavni presjek za savijanje i posmik



$$b/d = 20/300 \text{ cm} \quad A_b = 6000 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+III

Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIII

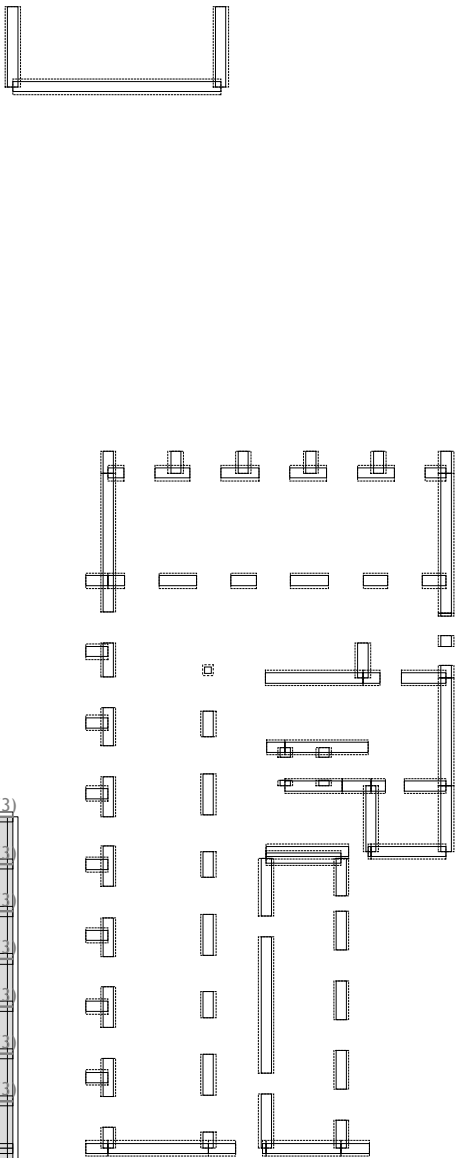
Msd = 530.30 kNm

Nsd = 160.80 kN

Vsd = -289.19 kN

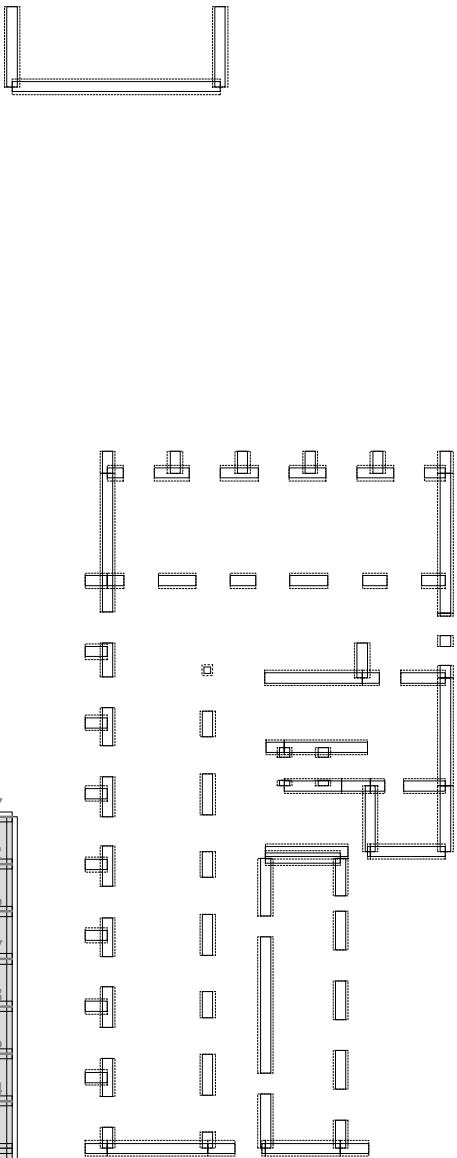
 $\epsilon_b/\epsilon_a = -1.804/25.000 \text{ ‰}$ As1 = 0.00 cm² (min:9.00) (odab:4Ø14)As2 = 0.00 cm² (min:9.00) (odab:4Ø14)Aav = ±2.29 cm²/m (min:±2.00)Aah = ±1.22 cm²/m (min:±2.00) (odab:±Q-257)

Dimenzioniranje (čelik)



0.66 (3)	0.17 (3)	
0.79 (3)	0.17 (3)	
0.80 (3)	0.16 (3)	
0.82 (3)	0.15 (3)	
0.83 (3)	0.17 (3)	
0.85 (3)	0.15 (3)	
0.86 (3)	0.16 (3)	
0.84 (3)	0.18 (3)	
0.82 (3)	0.18 (3)	
0.78 (3)	0.18 (3)	
0.59 (3)	0.14 (3)	
0.49 (3)	0.22 (3)	0.23 (3)
0.59 (3)	0.14 (3)	0.02 (3)
0.55 (3)	0.13 (3)	0.05 (3)
0.59 (3)	0.14 (3)	0.06 (3)
0.54 (3)	0.11 (3)	0.07 (3)
0.47 (3)	0.12 (3)	0.05 (3)
0.34 (3)	0.07 (3)	0.04 (3)
0.19 (3)	0.23 (3)	0.11 (3)
0.10 (3)	0.20 (3)	0.37 (3)
0.15 (3)	0.27 (3)	0.27 (3)
0.16 (3)	0.27 (3)	0.27 (3)
0.17 (3)	0.27 (3)	0.27 (3)

Nivo: ETAŽA 200A [7.62 m]
Kontrola napona



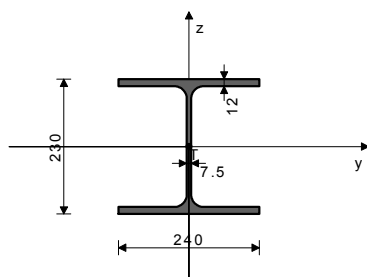
0.65	0.24	
0.79	0.14	
0.83	0.13	
0.85	0.13	
0.83	0.12	
0.86	0.11	
0.87	0.11	
0.84	0.11	
0.84	0.11	
0.83	0.11	
0.62	0.09	
0.44	0.16	0.17
0.51	0.08	0.02
0.52	0.09	0.06
0.52	0.11	0.07
0.54	0.13	0.08
0.44	0.09	0.06
0.32	0.05	0.04
0.32	0.03	0.05
0.17	0.03	0.30
0.11	0.34	0.36
0.18	0.34	0.34

Nivo: ETAŽA 200A [7.62 m]
Kontrola stabilnosti

ŠTAP 6592-4967

POPREČNI PRESJEK: IPBI 240 [S 235] [Set: 12]
EUROCODE 3 (EN 1993-1-1:2005)

GEOMETRIJSKE KARAKTERISTIKE PRESJEKA

(fy = 23.5 kN/cm², fu = 36.0 kN/cm²)

Ax = 76.800 cm²
 Ay = 51.660 cm²
 Az = 25.140 cm²
 Ix = 41.700 cm⁴
 Iy = 7760.0 cm⁴
 Iz = 2770.0 cm⁴
 Wy = 674.78 cm³
 Wz = 230.83 cm³
 Wy,pl = 731.39 cm³
 Wz,pl = 345.60 cm³
 γM0 = 1.100
 γM1 = 1.100
 γM2 = 1.250
 Anet/A = 0.900

[m m]

FAKTORI ISKORIŠTENJA PO KOMBINACIJAMA OPTEREĆENJA

3. γ=0.86 4. γ=0.63

ŠTAP IZLOŽEN TLAKU I SAVIJANJU
(slučaj opterećenja 3, kraj štapa)

Računska uzdužna sila N_{Ed} = -22.880 kN
 Poprečna sila u y pravcu V_{Ed,y} = 4.798 kN
 Poprečna sila u z pravcu V_{Ed,z} = 33.670 kN
 Momenat savijanja oko y osi M_{Ed,y} = -122.03 kNm
 Momenat savijanja oko z osi M_{Ed,z} = -1.547 kNm
 Sistemska dužina štapa L = 481.00 cm

5.5 KLASIFIKACIJA POPREČNIH PRESJEKA
Klasa presjeka 1

6.2 NOSIVOST POPREČNIH PRESJEKA

6.2.4 Tlak

Računska otpornost na tlak N_{c,Rd} = 1640.7 kN
 Uvjet 6.9: N_{Ed} ≤ N_{c,Rd} (22.88 ≤ 1640.73)

6.2.5 Savijanje y-y

Plastični moment otpora Wy,pl = 731.39 cm³
 Računska otpornost na savijanje Mc,Rd = 156.25 kNm
 Uvjet 6.12: M_{Ed,y} ≤ Mc,Rd,y (122.03 ≤ 156.25)

6.2.5 Savijanje z-z

Plastični moment otpora Wz,pl = 345.60 cm³
 Računska otpornost na savijanje Mc,Rd = 73.833 kNm
 Uvjet 6.12: M_{Ed,z} ≤ Mc,Rd,z (1.55 ≤ 73.83)

6.2.6 Posmik

Računska nosivost na posmik V_{pl,Rd,z} = 310.08 kN
 Računska nosivost na posmik V_{c,Rd,z} = 310.08 kN
 Uvjet 6.17: V_{Ed,z} ≤ V_{c,Rd,z} (33.67 ≤ 310.08)

Računska nosivost na posmik V_{pl,Rd,y} = 637.19 kN
 Računska nosivost na posmik V_{c,Rd,y} = 637.19 kN
 Uvjet 6.17: V_{Ed,y} ≤ V_{c,Rd,y} (4.80 ≤ 637.19)

6.2.10 Savijanje, posmik i centrična sila
 Nije potrebna redukcija momenata otpornosti
 Uvjet: V_{Ed,z} ≤ 50%V_{pl,Rd,z}; V_{Ed,y} ≤ 50%V_{pl,Rd,y}

6.2.9 Savijanje i centrična sila

Omjer N_{Ed} / N_{pl,Rd} MN_{y,Rd} = 0.014
 Reduc.moment plast.otp.na savijanje α = 2.000
 Koeficijent α = 0.610
 Omjer (M_{y,Ed} / M_{N,y,Rd})^α MN_{z,Rd} = 73.833 kNm
 Reduc.moment plast.otp.na savijanje β = 1.000
 Koeficijent β = 0.021
 Omjer (M_{z,Ed} / M_{N,z,Rd})^β
 Uvjet 6.41: (0.63 ≤ 1)

6.3 NOSIVOST ELEMENATA NA IZVIJANJE

6.3.1.1 Nosivost na izvijanje

Dužina izvijanja y-y l_y = 481.00 cm
 Relativna vitkost y-y λ_y = 0.510
 Krivulja izvijanja za os y-y: B α = 0.340
 Elastična kritična sila N_{cr,y} = 6951.7 kN
 Redukcijski koeficijent χ_y = 0.880
 Računska otpornost na izvijanje N_{b,Rd,y} = 1443.8 kN
 Uvjet 6.46: N_{Ed} ≤ N_{b,Rd,y} (22.88 ≤ 1443.79)

Dužina izvijanja z-z l_z = 481.00 cm
 Relativna vitkost z-z λ_z = 0.853
 Krivulja izvijanja za os z-z: C α = 0.490
 Redukcijski koeficijent χ_z = 0.629
 Računska otpornost na izvijanje N_{b,Rd,z} = 1032.1 kN
 Uvjet 6.46: N_{Ed} ≤ N_{b,Rd,z} (22.88 ≤ 1032.12)

6.3.2.1 Nosivost na bočno-torziono izvijanje

Koeficijent C1 = 1.879
 Koeficijent C2 = 0.000
 Koeficijent C3 = 0.939
 Koef. efek. dužine bočnog izvijanja k = 1.000
 Koef. efek. dužine torzijskog uvijanja kw = 1.000
 Koordinata zg = 0.000 cm
 Koordinata zj = 0.000 cm
 Razmak bočno pridržanih točaka L = 481.00 cm
 Sektorski moment inercije I_w = 3.28e+5 cm⁶
 Krit.mom.za bočno torz.izvijanje M_{cr} = 743.57 kNm
 Odgovarajući moment otpora Wy = 731.39 cm³
 Koeficijent imperf. αLT = 0.210
 Bezdimezionalna vitkost λLT = 0.481
 Koeficijent redukcije χLT = 0.930
 Računska otpornost na izvijanje M_{b,Rd} = 145.33 kNm
 Uvjet 6.54: M_{Ed,y} ≤ M_{b,Rd} (122.03 ≤ 145.33)

6.3.3 Elementi konstantnog poprečnog presjeka opterećeni savijanjem i normalnim tlakom
 Proračun koeficijenata interakcije izvršen je alternativnom metodom br. 2 (Aneks B)

Koeficijent uniformnog momenta C_{my} = 0.600
 Koeficijent uniformnog momenta C_{mz} = 0.400
 Koeficijent uniformnog momenta C_{mLT} = 0.600
 Koeficijent interakcije k_{yy} = 0.603
 Koeficijent interakcije k_{yz} = 0.246
 Koeficijent interakcije k_{zy} = 0.995
 Koeficijent interakcije k_{zz} = 0.410

Redukcijski koeficijent

N_{Ed} / (χ_y N_{Rk} / γM1) χ_y = 0.880
 k_{yy} * (M_{y,Ed} + ΔM_{y,Ed}) / ... 0.016
 k_{yz} * (M_{z,Ed} + ΔM_{z,Ed}) / ... 0.506
 k_{zy} * (M_{y,Ed} + ΔM_{y,Ed}) / ... 0.005
 k_{zz} * (M_{z,Ed} + ΔM_{z,Ed}) / ...
 Uvjet 6.61: (0.53 ≤ 1)

Redukcijski koeficijent

N_{Ed} / (χ_z N_{Rk} / γM1) χ_z = 0.629
 k_{yz} * (M_{y,Ed} + ΔM_{y,Ed}) / ... 0.022
 k_{zy} * (M_{z,Ed} + ΔM_{z,Ed}) / ... 0.835
 k_{zz} * (M_{z,Ed} + ΔM_{z,Ed}) / ... 0.009
 Uvjet 6.62: (0.87 ≤ 1)

PROVJERA OTPORNOSTI NA POSMIK

(slučaj opterećenja 3, na 432.9 cm od početka štapa)

Računska uzdužna sila N_{Ed} = -10.729 kN
 Poprečna sila u y pravcu V_{Ed,y} = 1.766 kN
 Poprečna sila u z pravcu V_{Ed,z} = 35.376 kN
 Momenat savijanja oko y osi M_{Ed,y} = -102.21 kNm
 Momenat savijanja oko z osi M_{Ed,z} = -0.328 kNm
 Sistemska dužina štapa L = 481.00 cm

6.2 NOSIVOST POPREČNIH PRESJEKA

6.2.6 Posmik

Računska nosivost na posmik V_{pl,Rd,z} = 310.08 kN
 Računska nosivost na posmik V_{c,Rd,z} = 310.08 kN
 Uvjet 6.17: V_{Ed,z} ≤ V_{c,Rd,z} (35.38 ≤ 310.08)

Računska nosivost na posmik V_{pl,Rd,y} = 637.19 kN
 Računska nosivost na posmik V_{c,Rd,y} = 637.19 kN
 Uvjet 6.17: V_{Ed,y} ≤ V_{c,Rd,y} (1.77 ≤ 637.19)