

Osnovni podaci o modelu, Ulazni podaci - Konstrukcija

Datoteka: 2_Osmine A.twp
Datum proračuna: 23.4.2016

Način proračuna: 3D model

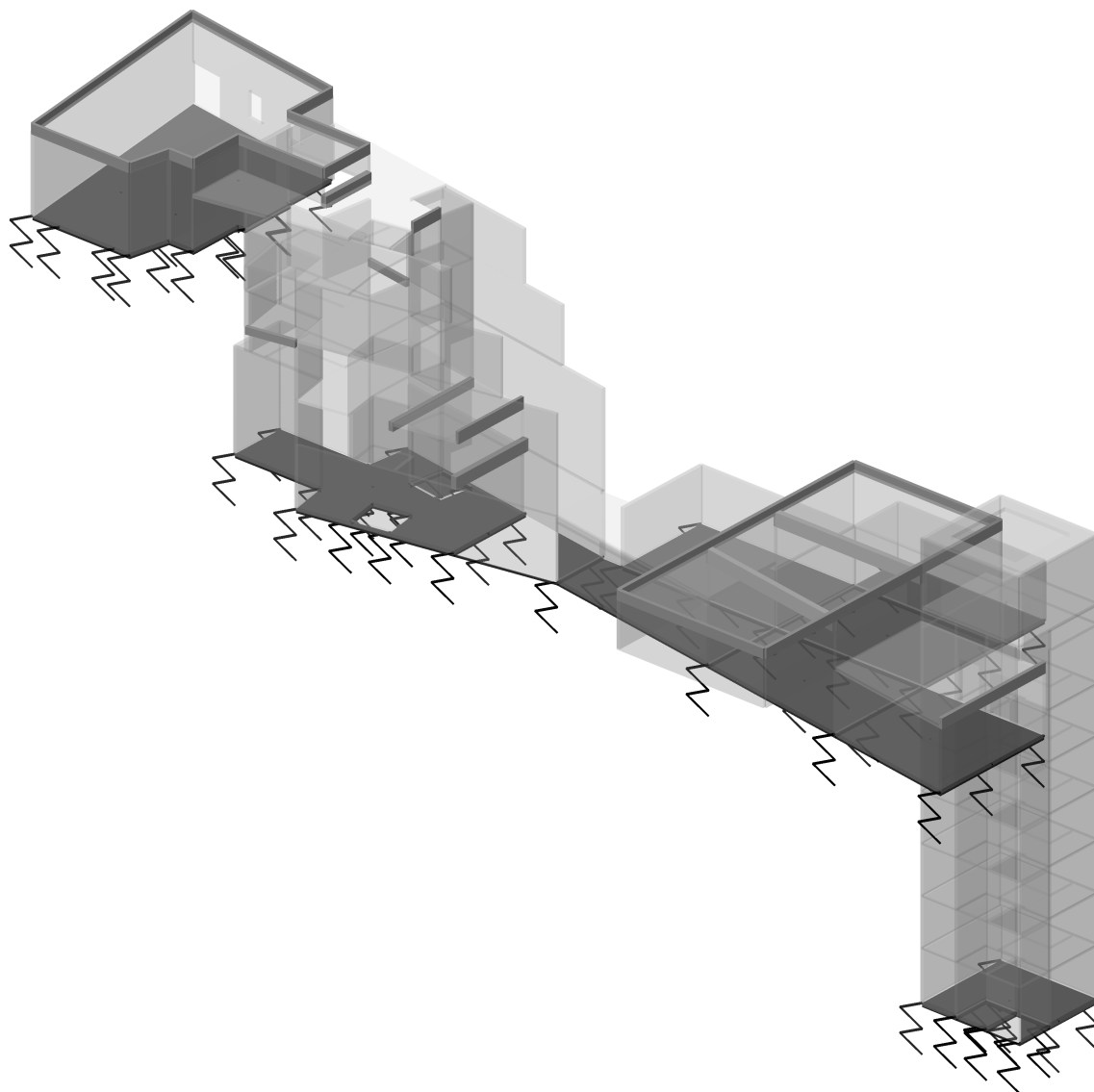
- ☒ Teorija I-og reda ☒ Modalna analiza ☐ Stabilnost
☐ Teorija II-og reda ☒ Seizmički proračun ☐ Faze građenja
☐ Nelinearni proračun

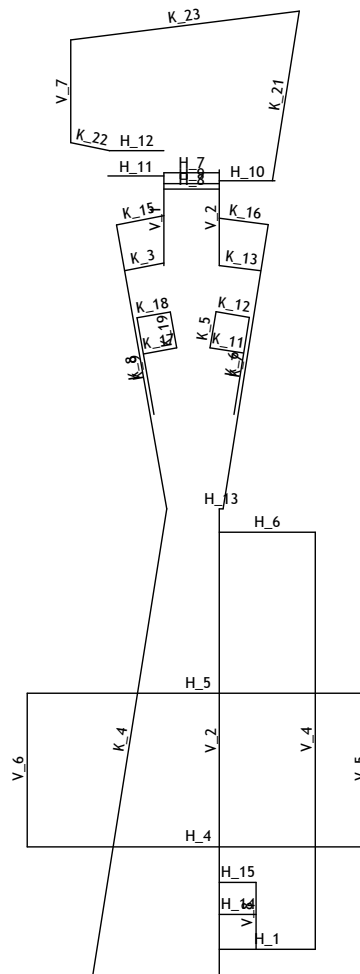
Veličina modela

Broj čvorova: 23855
Broj pločastih elemenata: 25527
Broj grednih elemenata: 461
Broj graničnih elemenata: 49503
Broj osnovnih slučajeva opterećenja: 4
Broj kombinacija opterećenja: 12

Jedinice mjera

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





Dispozicija okvira

Tabela materijala

No	Naziv materijala	E[kN/m ²]	μ	γ [kN/m ³]	α [1/C]	Em[kN/m ²]	μ
1	Beton C25/30	3.150e+7	0.20	25.00	1.000e-5	3.150e+7	0.20
2	Blok opeka	6.000e+6	0.20	18.00	1.000e-5	6.000e+6	0.20
3	Beton C25/30	3.000e+7	0.20	25.00	1.000e-5	3.000e+7	0.20

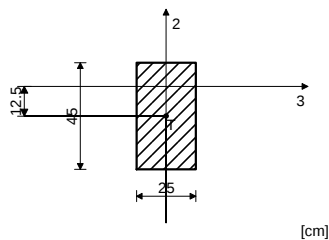
Setovi ploča

No	d[m]	e[m]	Materijal	Tip proračuna	Ortotropija	E2[kN/m ²]	G[kN/m ²]	α
<1>	0.140	0.070	1	Tanka ploča	Izotropna			
<2>	0.160	0.080	1	Tanka ploča	Izotropna			
<3>	0.200	0.100	1	Tanka ploča	Izotropna			
<4>	0.250	0.125	2	Opeka/Blokovi	Izotropna			
<5>	0.300	0.150	1	Tanka ploča	Izotropna			

Setovi greda

Set: 1 Presjek: b/d=25/45, Fiktivna ekscentričnost

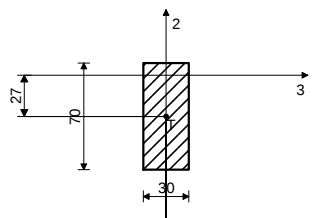
Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30	1.125e-1	9.375e-2	9.375e-2	1.530e-3	5.859e-4	1.898e-3



[cm]

Set: 2 Presjek: b/d=30/70, Fiktivna ekscentričnost

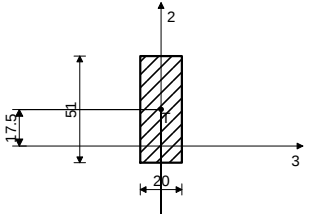
Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30	2.100e-1	1.750e-1	1.750e-1	4.604e-3	1.575e-3	8.575e-3



[cm]

Set: 5 Presjek: b/d=20/51, Fiktivna ekscentričnost

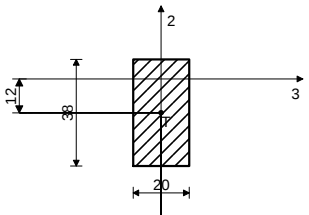
Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30	1.020e-1	8.500e-2	8.500e-2	1.025e-3	3.400e-4	2.211e-3



[cm]

Set: 6 Presjek: b/d=20/38, Fiktivna ekscentričnost

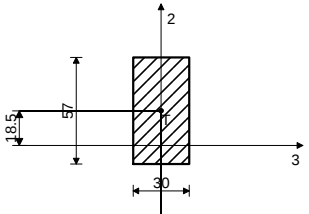
Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30	7.600e-2	6.333e-2	6.333e-2	6.795e-4	2.533e-4	9.145e-4



[cm]

Set: 7 Presjek: b/d=30/57, Fiktivna ekscentričnost

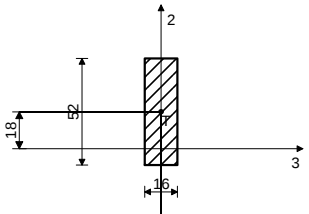
Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30	1.710e-1	1.425e-1	1.425e-1	3.440e-3	1.283e-3	4.630e-3



[cm]

Set: 8 Presjek: b/d=16/52, Fiktivna ekscentričnost

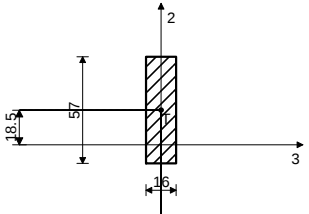
Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30	8.320e-2	6.933e-2	6.933e-2	5.725e-4	1.775e-4	1.875e-3



[cm]

Set: 9 Presjek: b/d=16/57, Fiktivna ekscentričnost

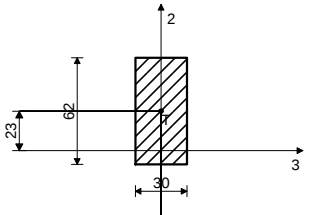
Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30	9.120e-2	7.600e-2	7.600e-2	6.407e-4	1.946e-4	2.469e-3



[cm]

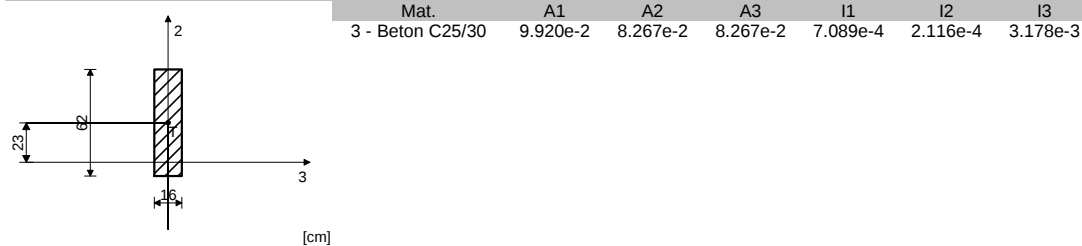
Set: 10 Presjek: b/d=30/62, Fiktivna ekscentričnost

Mat.	A1	A2	A3	I1	I2	I3
1 - Beton C25/30	1.860e-1	1.550e-1	1.550e-1	3.887e-3	1.395e-3	5.958e-3

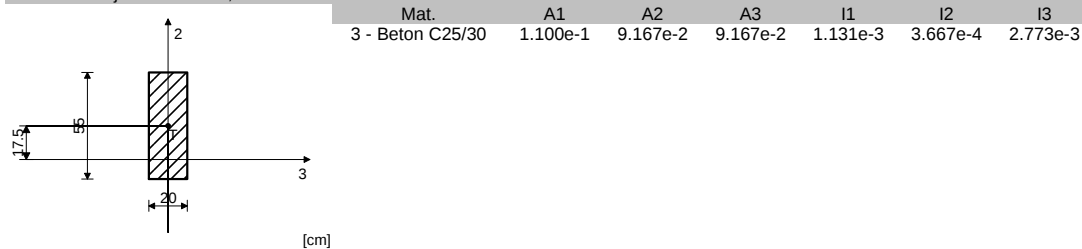


[cm]

Set: 11 Presjek: b/d=16/62, Fiktivna ekscentričnost



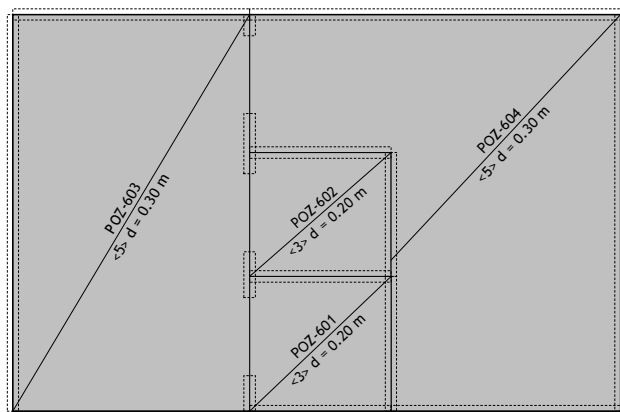
Set: 12 Presjek: b/d=20/55, Fiktivna ekscentričnost



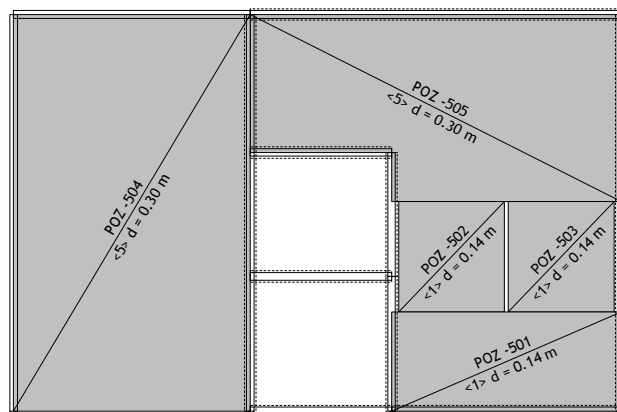
Setovi površinskih ležajeva

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

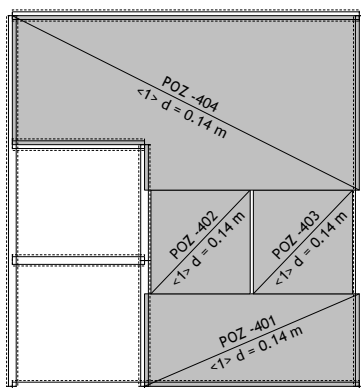
PLAN POZICIJA



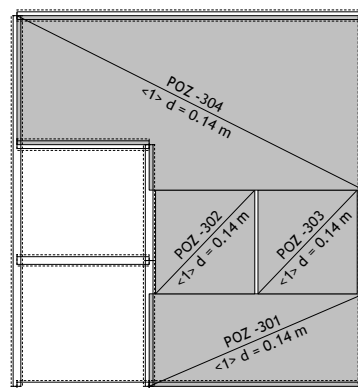
Nivo: TEMELJI -600 [-15.58 m]



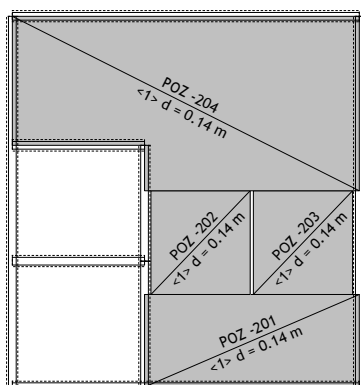
Nivo: ETAŽA -500 [-12.88 m]



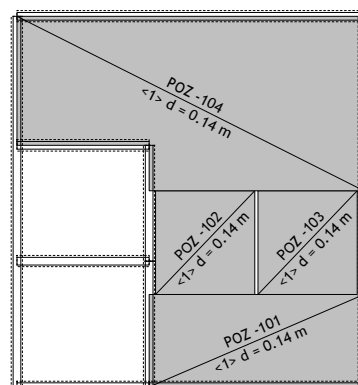
Nivo: ETAŽA -400 [-10.30 m]



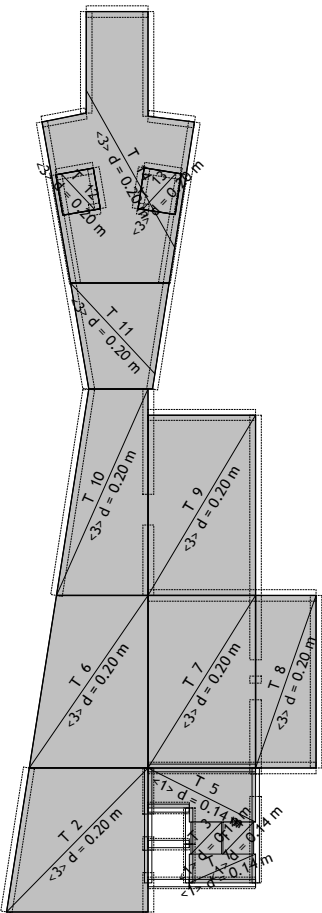
Nivo: ETAŽA -300 [-7.72 m]



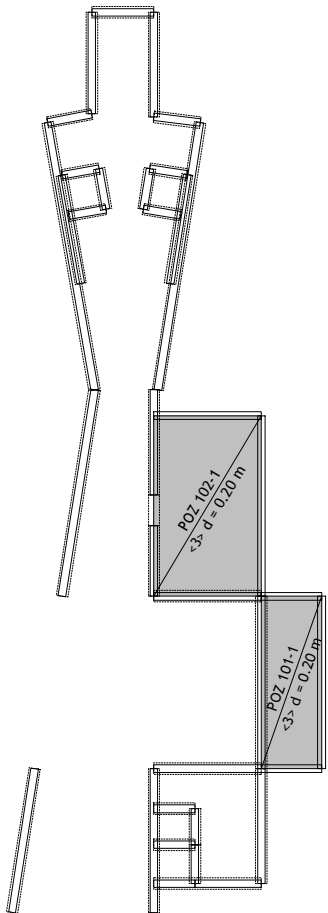
Nivo: ETAŽA -200 [-5.14 m]



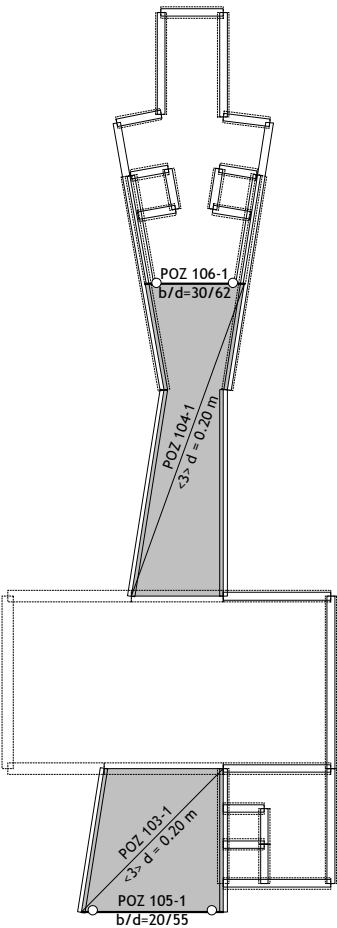
Nivo: ETAŽA -100 [-2.56 m]



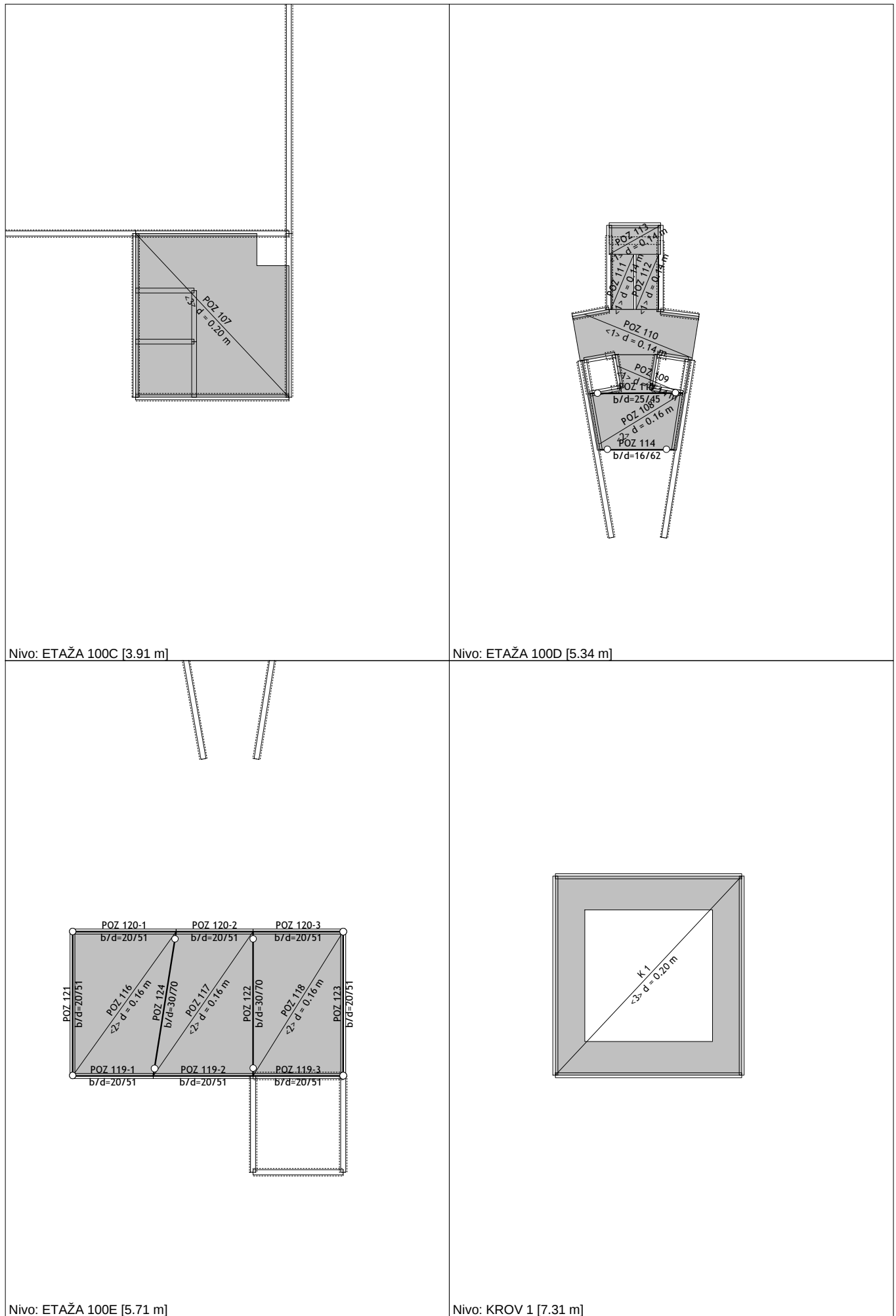
Nivo: TEMELJI [0.00 m]

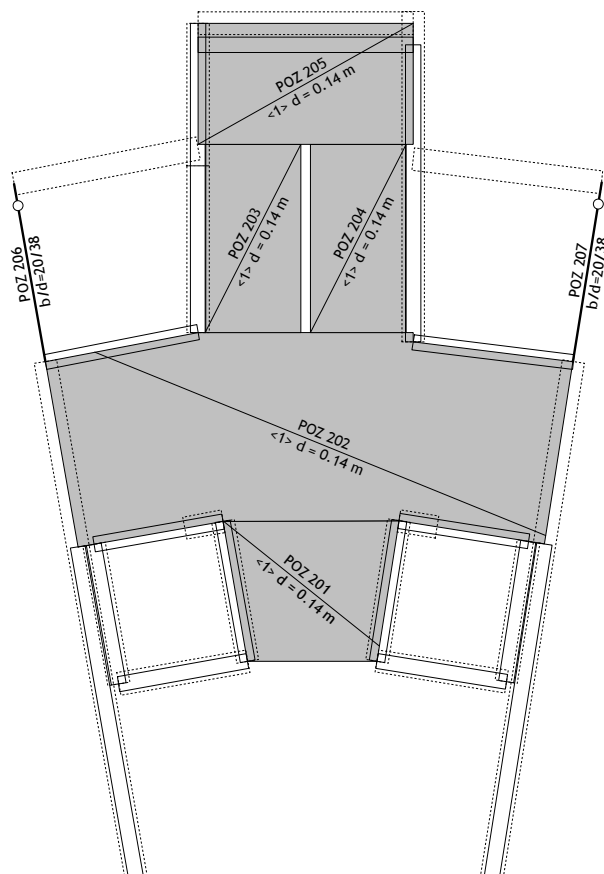


Nivo: ETAŽA 100A [2.91 m]

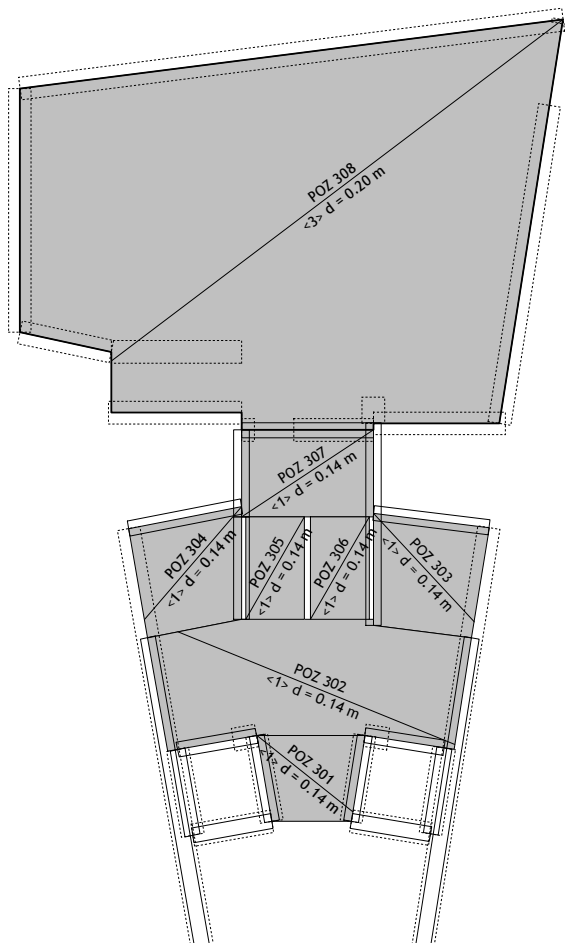


Nivo: ETAŽA 100B [3.21 m]

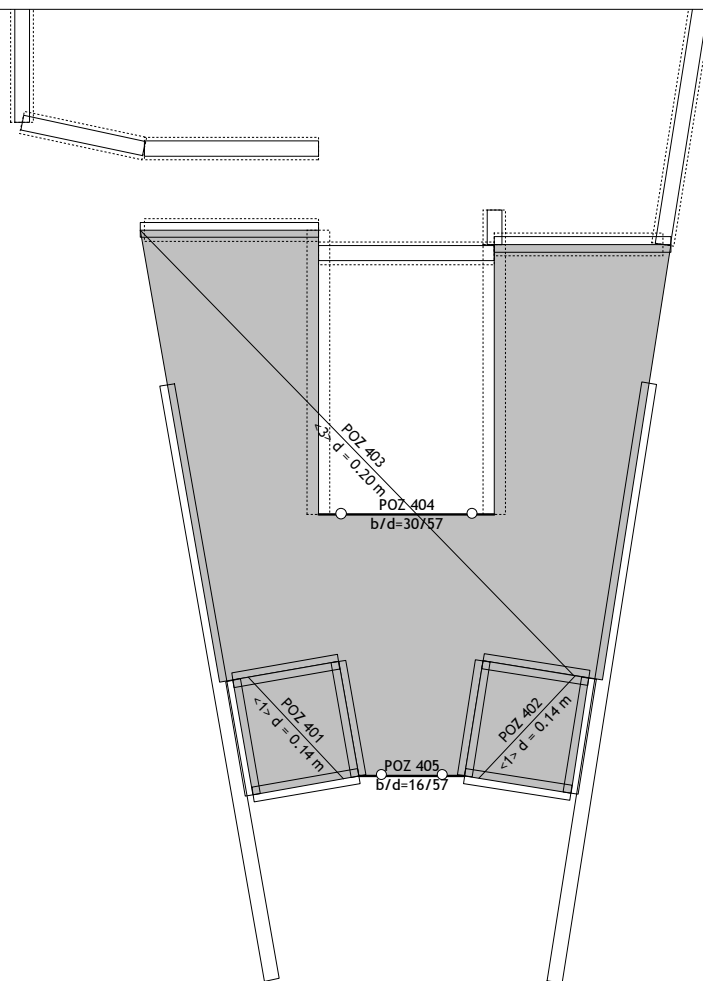




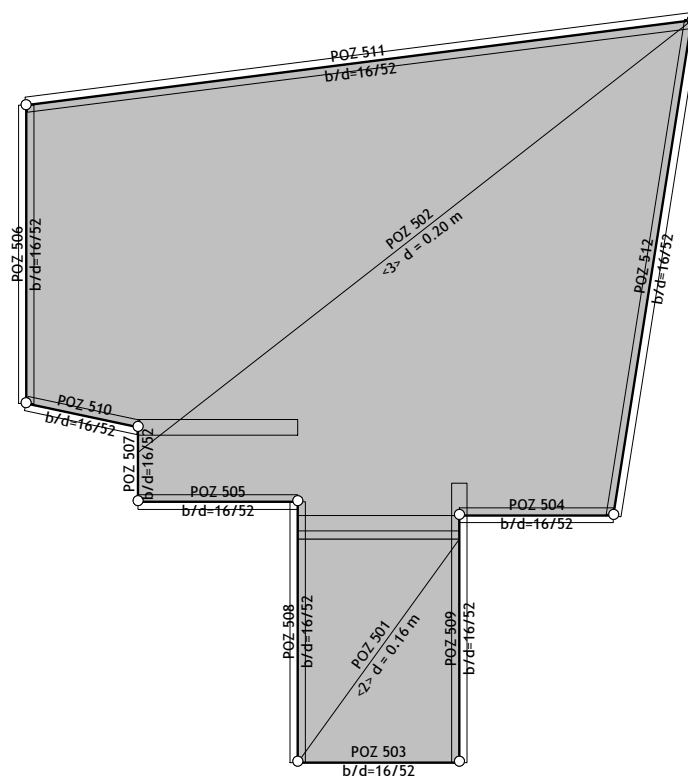
Nivo: ETAŽA 200 [8.28 m]



Nivo: ETAŽA 300 [11.28 m]



Nivo: ETAŽA 400 [14.00 m]



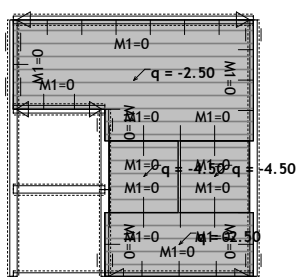
Nivo: ETAŽA 500 [15.42 m]

Ulazni podaci - Opterećenje

Lista slučajeva opterećenja

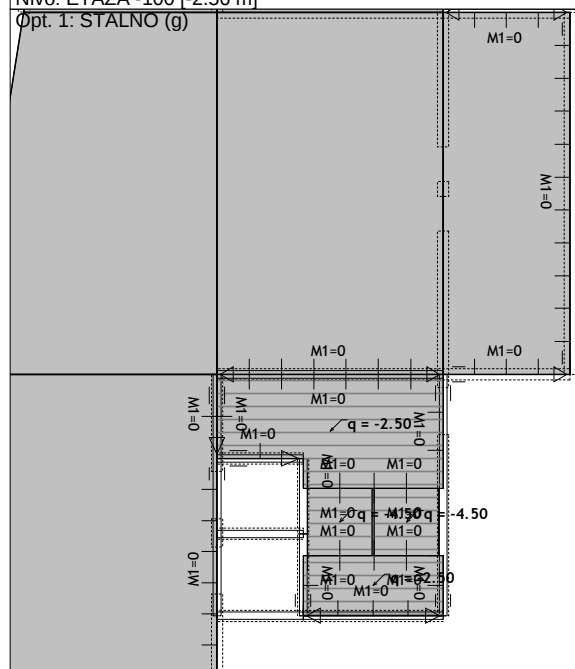
LC	Naziv
1	STALNO (g)
2	UPORABNO
3	POTRES X-SMJER
4	POTRES Y-SMJER
5	Komb.: 1.35xI+1.5xII
6	Komb.: I+1.5xII
7	Komb.: I+0.3xII+IV
8	Komb.: I+0.3xII-1xIV

Opt. 1: STALNO (g)



Nivo: ETAŽA -100 [-2.56 m]

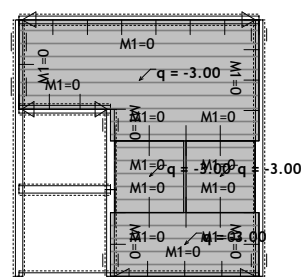
Opt. 1: STALNO (g)



Nivo: TEMELJI [0.00 m]

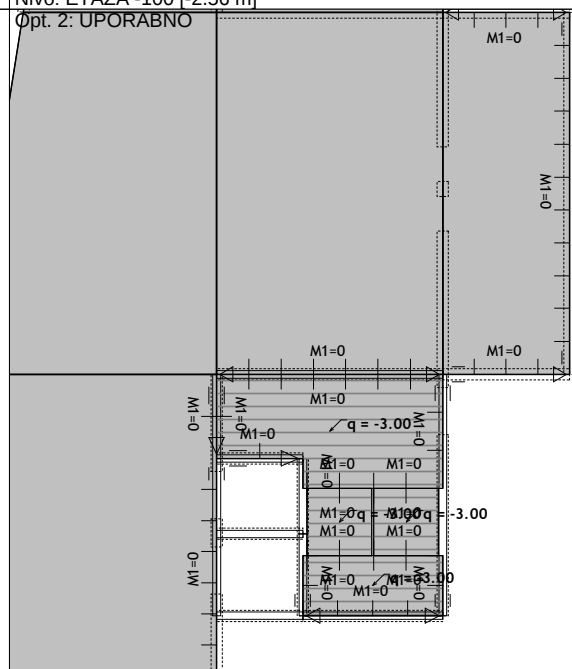
LC	Naziv
9	Komb.: I+0.3xII-1xIII
10	Komb.: I+0.3xII+III
11	Komb.: I-1xIV
12	Komb.: I-1xIII
13	Komb.: I+IV
14	Komb.: I+III
15	Komb.: 1.35xI
16	Komb.: I+II

Opt. 2: UPORABNO



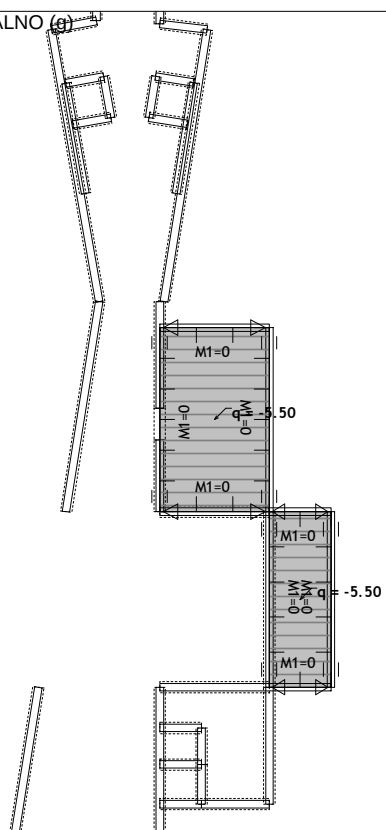
Nivo: ETAŽA -100 [-2.56 m]

Opt. 2: UPORABNO



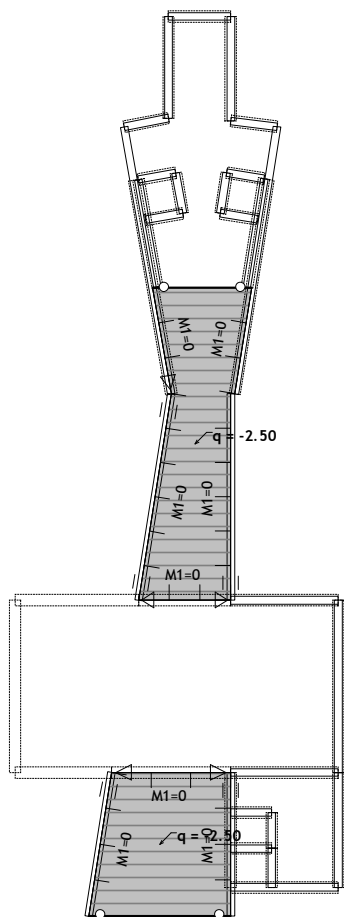
Nivo: TEMELJI [0.00 m]

Opt. 1: STALNO (g)



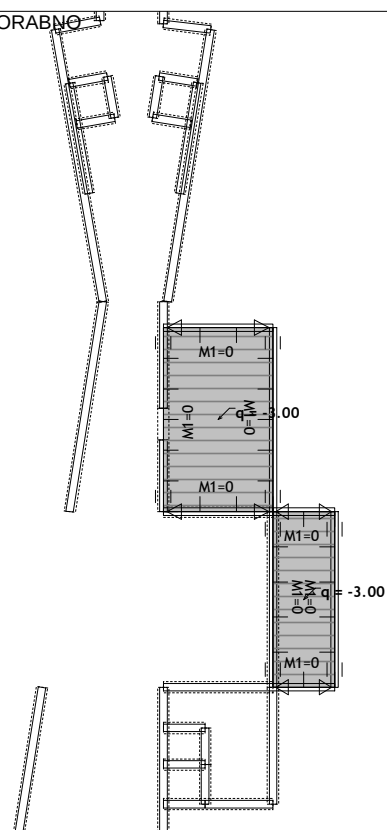
Nivo: ETAŽA 100A [2.91 m]

Opt. 1: STALNO (g)



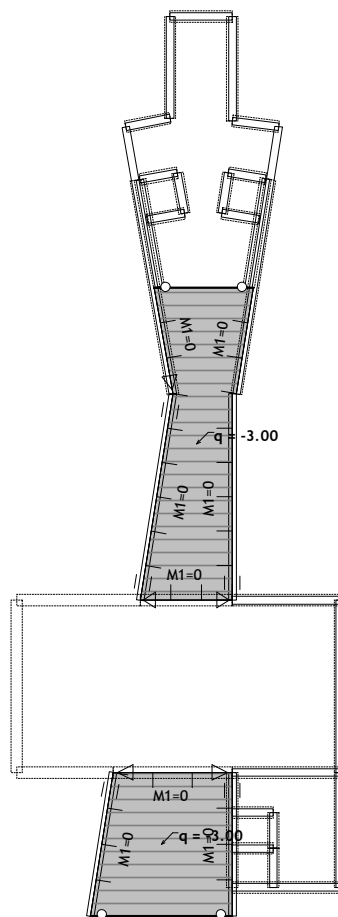
Nivo: ETAŽA 100B [3.21 m]

Opt. 2: UPORABNO (g)



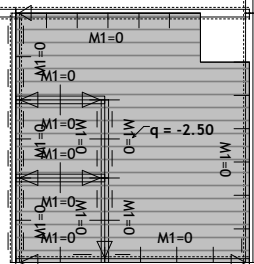
Nivo: ETAŽA 100A [2.91 m]

Opt. 2: UPORABNO

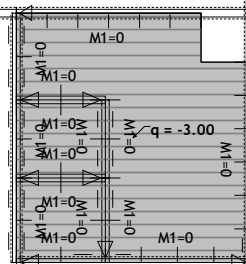


Nivo: ETAŽA 100B [3.21 m]

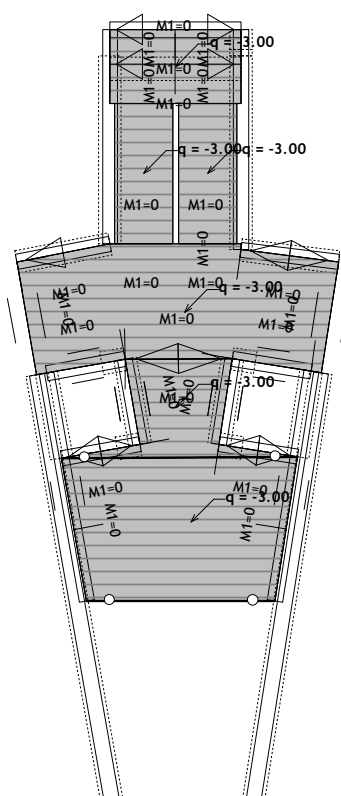
Opt. 1: STALNO (g)



Opt. 2: UPORABNO

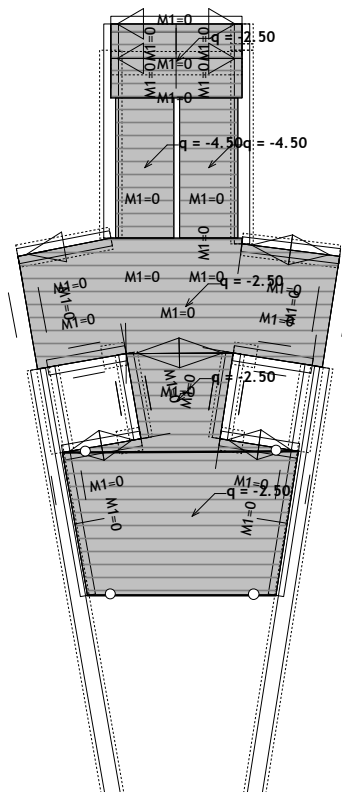
Nivo: ETAŽA 100C [3.91 m]
Opt. 2: UPORABNO

Nivo: ETAŽA 100C [3.91 m]



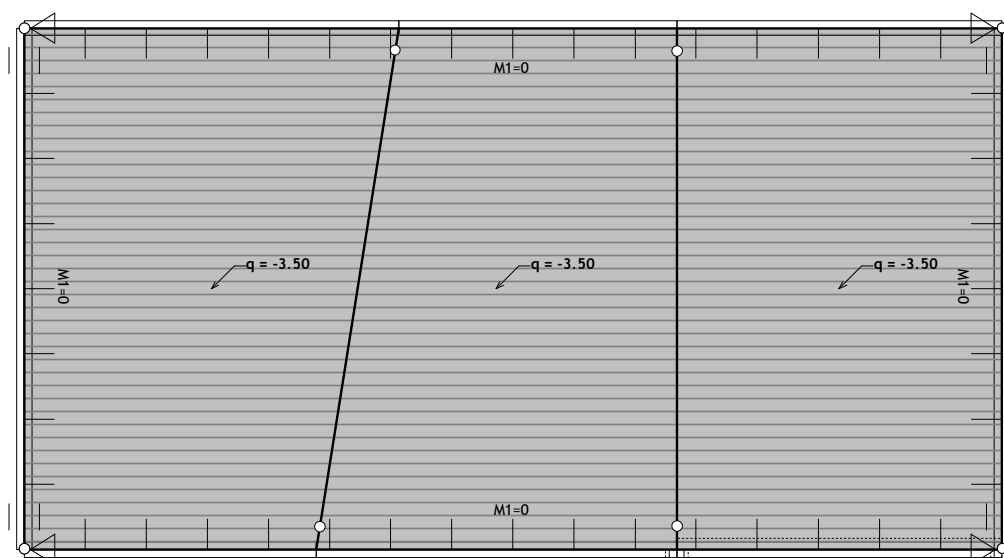
Nivo: ETAŽA 100D [5.34 m]

Opt. 1: STALNO (g)



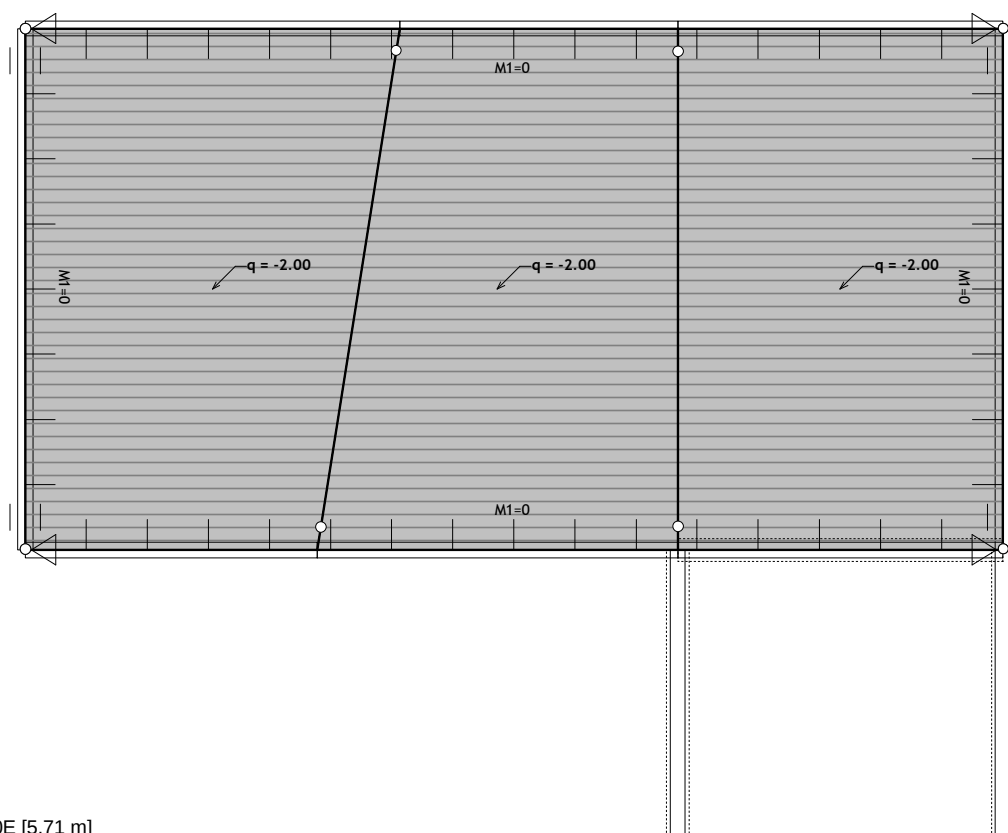
Nivo: ETAŽA 100D [5.34 m]

Opt. 1: STALNO (g)



Nivo: ETAŽA 100E [5.71 m]

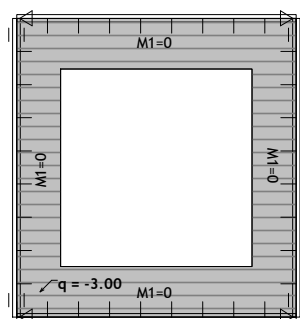
Opt. 2: UPORABNO



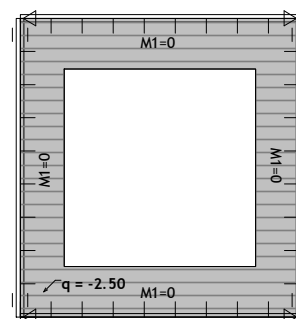
Nivo: ETAŽA 100E [5.71 m]

Opt. 2: UPORABNO

Opt. 1: STALNO (g)

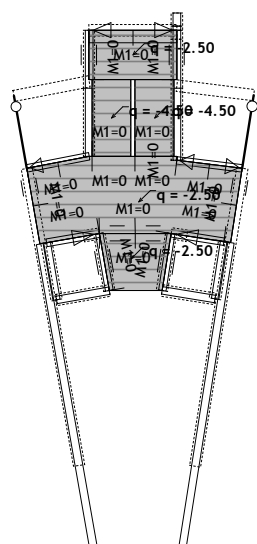


Nivo: KROV 1 [7.31 m]

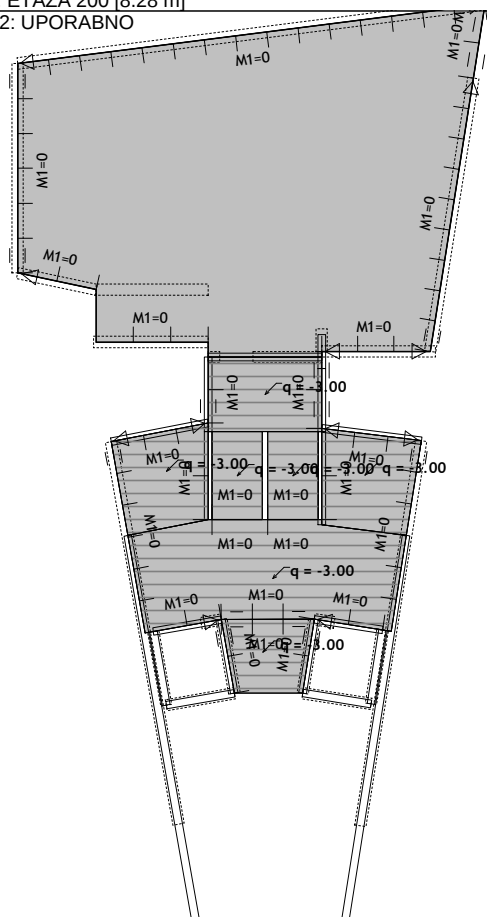


Nivo: KROV 1 [7.31 m]

Opt. 1: STALNO (g)

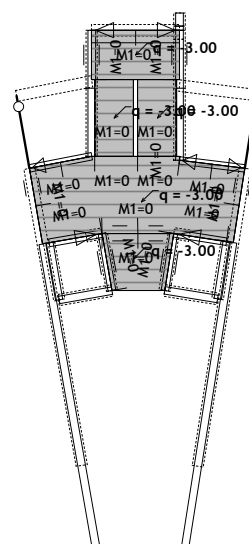


Nivo: ETAŽA 200 [8.28 m]
Opt. 2: UPORABNO

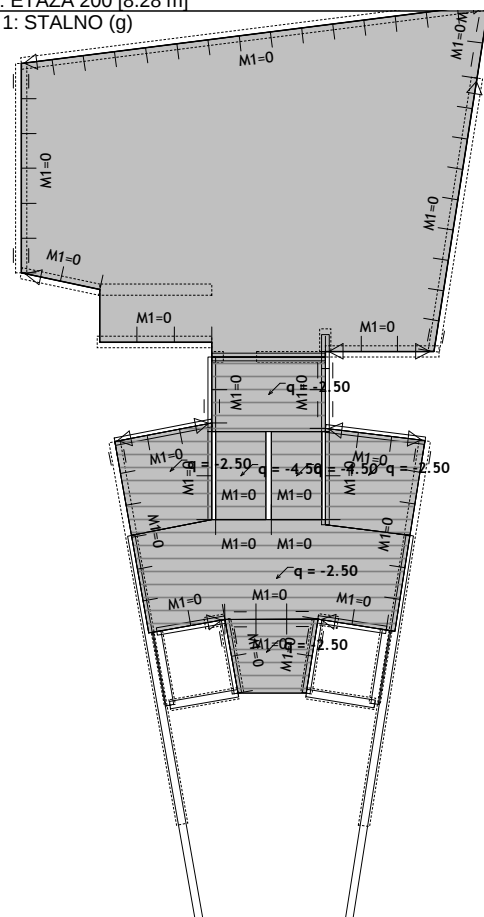


Nivo: ETAŽA 300 [11.28 m]

Opt. 2: UPORABNO

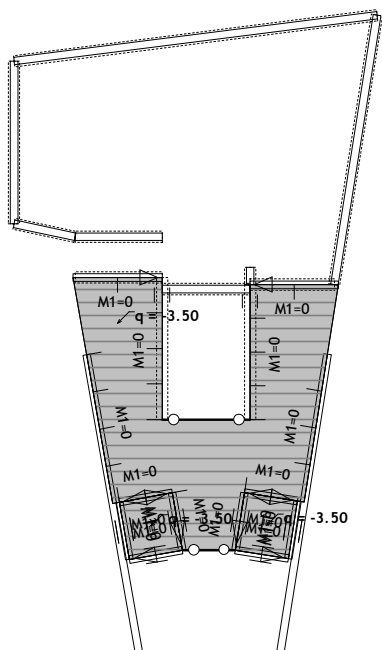


Nivo: ETAŽA 200 [8.28 m]
Opt. 1: STALNO (g)

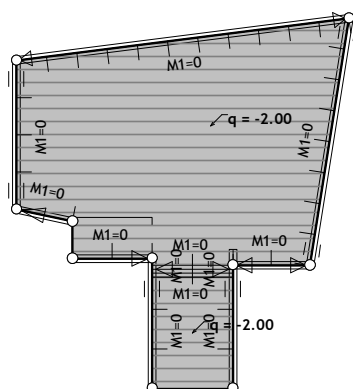


Nivo: ETAŽA 300 [11.28 m]

Opt. 1: STALNO (g)

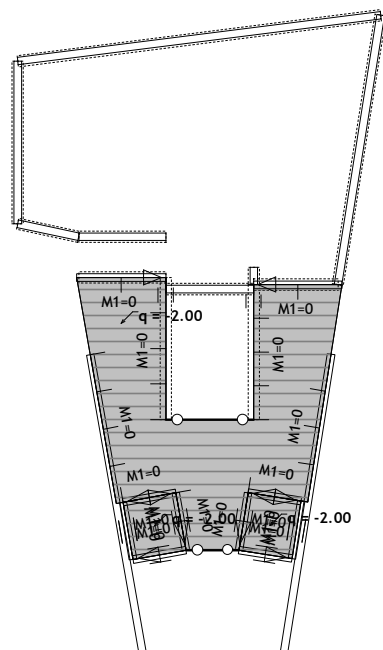


Nivo: ETAŽA 400 [14.00 m]
Opt. 2: UPORABNO

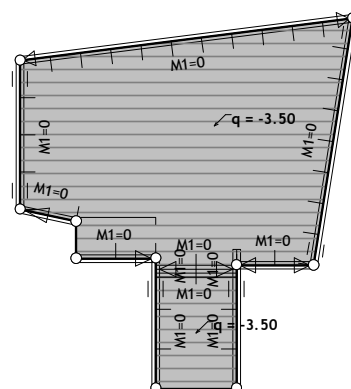


Nivo: ETAŽA 500 [15.42 m]

Opt. 2: UPORABNO

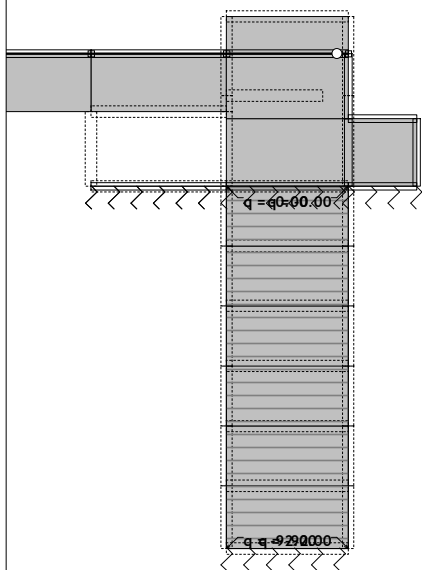


Nivo: ETAŽA 400 [14.00 m]
Opt. 1: STALNO (g)

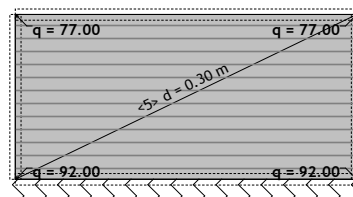


Nivo: ETAŽA 500 [15.42 m]

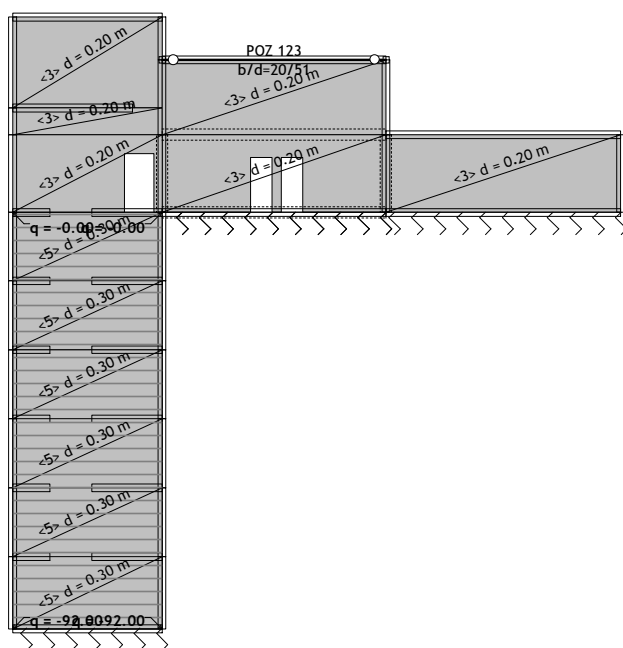
Opt. 1: STALNO (g)



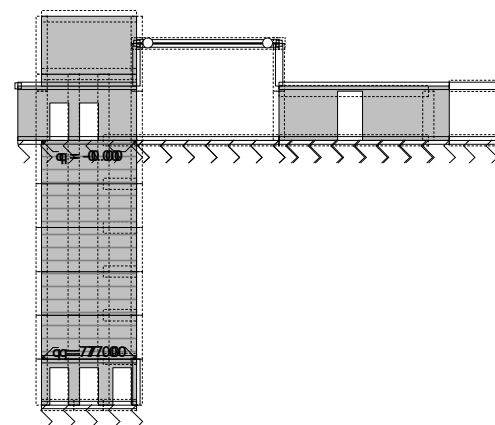
Opt. 1: STALNO (g)



Okvir: H_4
 Dispozicija presjeka
 Opt. 1: STALNO (g)



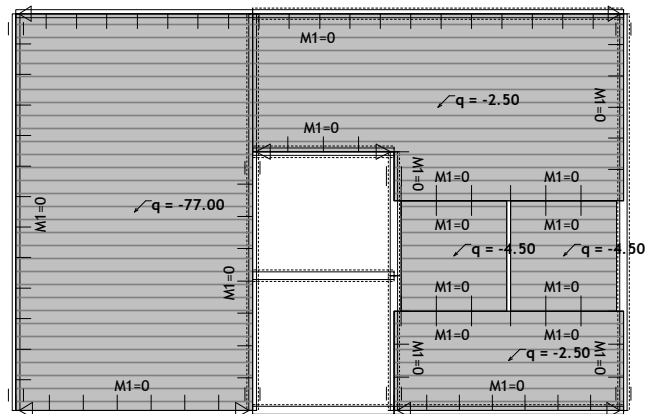
Okvir: V_9
 Opt. 1: STALNO (g)



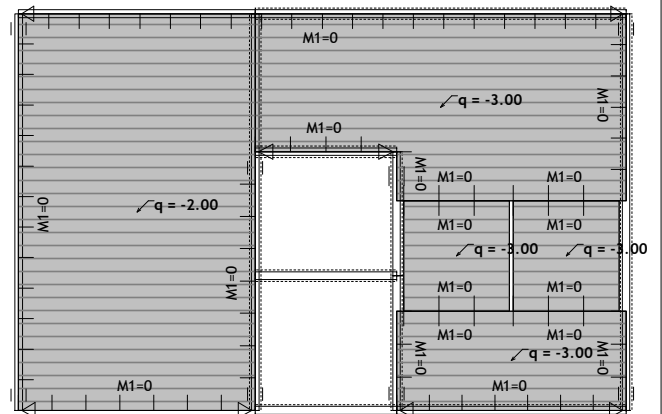
Okvir: V_4

Okvir: V_2

Opt. 1: STALNO (g)

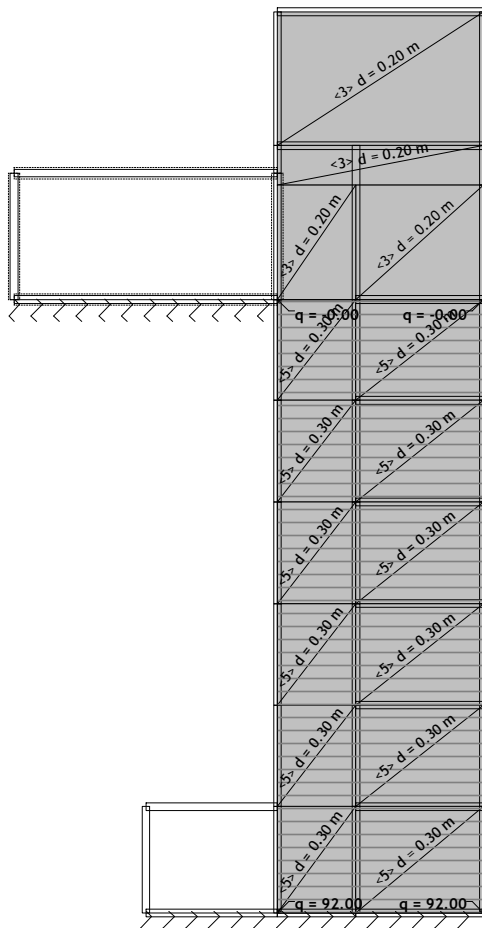


Opt. 2: UPORABNO



Nivo: ETAŽA -500 [-12.88 m]

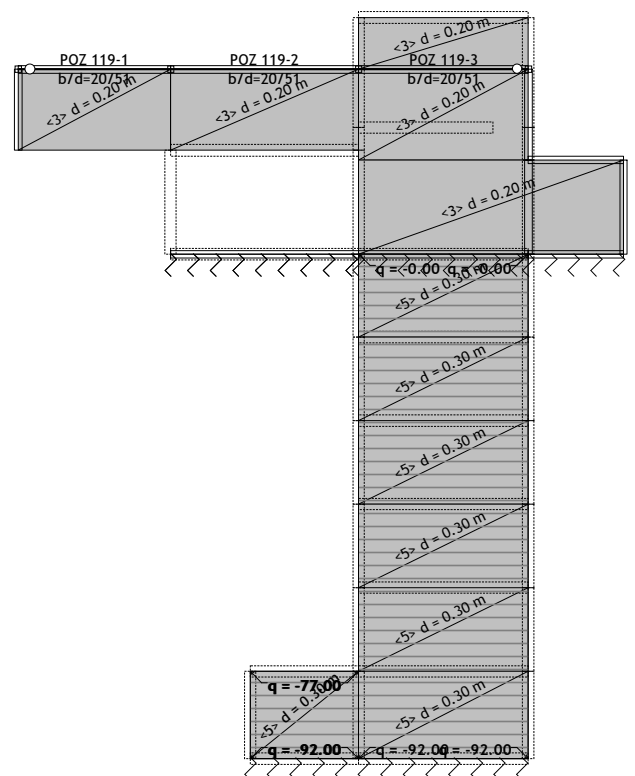
Opt. 1: STALNO (g)	
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Okvir: H_1

Nivo: ETAŽA -500 [-12.88 m]

Opt. 1: STALNO (g)



Okvir: H_4

CANOSA INŽENJERING d.o.o.	Investitor: HOTEL OSMINE d.o.o.	Strana: 19/55
Građevina: HOTEL OSMINE-REKONSTR, DOGRADNJA I NADOGRADNJA, zgrada A-2		Dbk., 15.12.2015.

Modalna analiza

Napredne opcije seizmičkog proračuna:

Spriječeno osciliranje u Z pravcu

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	15.42	-1.79	31.54	129.63	1.19
ETAŽA 400	14.00	-1.66	25.82	122.47	2.20
ETAŽA 300	11.28	-1.69	26.27	169.17	1.18
ETAŽA 200	8.28	-1.46	21.57	83.47	2.37
KROV 1	7.31	0.28	6.09	55.70	3.46
ETAŽA 100E	5.71	-2.24	-1.60	164.22	1.24
ETAŽA 100D	5.34	-1.54	13.21	96.10	1.77
ETAŽA 100C	3.91	-0.36	1.30	104.36	3.70
ETAŽA 100B	3.21	-1.97	0.90	120.36	1.18
ETAŽA 100A	2.91	1.94	4.18	226.69	3.19
TEMELJI	0.00	0.44	2.38	304.14	0.87
ETAŽA -100	-2.56	2.58	-11.20	54.69	2.52
ETAŽA -200	-5.14	2.58	-11.20	54.84	2.53
ETAŽA -300	-7.72	2.58	-11.20	54.84	2.53
ETAŽA -400	-10.30	2.58	-11.20	54.84	2.53
ETAŽA -500	-12.88	2.64	-11.17	56.23	2.59
TEMELJI -600	-15.58	2.51	-11.24	40.33	1.37
Ukupno:	3.63	-0.12	6.99	1892.09	

Položaj centara krutosti po visini objekta (približna metoda)

Nivo	Z [m]	X [m]	Y [m]
ETAŽA 500	15.42	0.88	36.06
ETAŽA 400	14.00	-0.14	35.76
ETAŽA 300	11.28	-1.25	34.71
ETAŽA 200	8.28	-1.38	20.90
KROV 1	7.31	-1.13	2.67
ETAŽA 100E	5.71	-1.20	-2.79
ETAŽA 100D	5.34	-1.41	-2.65
ETAŽA 100C	3.91	-1.40	-2.41
ETAŽA 100B	3.21	-1.18	-1.22

Nivo	Z [m]	X [m]	Y [m]
ETAŽA 100A	2.91	-0.58	0.33
TEMELJI	0.00	-0.36	-1.66
ETAŽA -100	-2.56	2.60	-9.79
ETAŽA -200	-5.14	2.60	-9.79
ETAŽA -300	-7.72	2.60	-9.79
ETAŽA -400	-10.30	2.60	-9.79
ETAŽA -500	-12.88	2.60	-9.79
TEMELJI -600	-15.58	2.60	-9.79

Ekscentricitet po visini objekta (približna metoda)

Nivo	Z [m]	eox [m]	eoy [m]
ETAŽA 500	15.42	2.68	4.52
ETAŽA 400	14.00	1.52	9.94
ETAŽA 300	11.28	0.44	8.43
ETAŽA 200	8.28	0.08	0.66
KROV 1	7.31	1.42	3.42
ETAŽA 100E	5.71	1.04	1.18
ETAŽA 100D	5.34	0.13	15.86
ETAŽA 100C	3.91	1.05	3.71
ETAŽA 100B	3.21	0.79	2.12

Nivo	Z [m]	eox [m]	eoy [m]
ETAŽA 100A	2.91	2.52	3.84
TEMELJI	0.00	0.80	4.04
ETAŽA -100	-2.56	0.02	1.41
ETAŽA -200	-5.14	0.02	1.41
ETAŽA -300	-7.72	0.02	1.41
ETAŽA -400	-10.30	0.02	1.41
ETAŽA -500	-12.88	0.04	1.37
TEMELJI -600	-15.58	0.09	1.44

Periodi osciliranja konstrukcije

No	T [s]	f [Hz]
1	0.3078	3.2486
2	0.2932	3.4102
3	0.1431	6.9877
4	0.1335	7.4930
5	0.1303	7.6720
6	0.1224	8.1670
7	0.0963	10.3825

No	T [s]	f [Hz]
8	0.0924	10.8189
9	0.0835	11.9797
10	0.0758	13.1880
11	0.0751	13.3123
12	0.0703	14.2248
13	0.0699	14.2987
14	0.0659	15.1822

No	T [s]	f [Hz]
15	0.0640	15.6227
16	0.0597	16.7439
17	0.0587	17.0302
18	0.0563	17.7526
19	0.0533	18.7718
20	0.0526	19.0195

CANOSA INŽENJERING d.o.o.	Investitor: HOTEL OSMINE d.o.o.	Strana: 20/55
Građevina: HOTEL OSMINE-REKONSTR, DOGRADNJA I NADOGRADNJA, zgrada A-2		Dbk., 15.12.2015.

Seizmički proračun

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

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

Faktori pravca potresa:

Slučaj opterećenja	Kut α [°]	k, α	k, $\alpha+90^\circ$	kz	Faktor P _i
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	T _b	T _c	T _d
POTRES X-SMJER	1.000	0.100	0.400	3.000
POTRES Y-SMJER	1.000	0.100	0.400	3.000

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	15.42	3.93	0.55	0.05	0.45	0.24	0.02	41.17	0.86	-2.31
ETAŽA 400	14.00	37.82	-2.43	1.20	4.23	1.60	0.13	135.68	-9.16	8.02
ETAŽA 300	11.28	95.36	-4.41	0.17	10.74	5.32	0.04	133.87	-6.05	2.87
ETAŽA 200	8.28	70.15	-3.05	0.14	7.85	3.93	0.02	32.47	-2.30	2.27
KROV 1	7.31	55.52	-2.20	-0.11	6.11	3.20	-0.01	-27.36	-1.13	0.37
ETAŽA 100E	5.71	15.14	4.38	3.03	1.72	1.16	0.32	-5.91	-13.03	-5.27
ETAŽA 100D	5.34	20.43	0.23	0.56	2.26	0.96	0.06	17.31	-3.21	0.27
ETAŽA 100C	3.91	10.16	1.04	0.53	1.16	0.46	0.05	1.38	-4.23	-0.89
ETAŽA 100B	3.21	10.62	1.25	0.73	1.36	0.15	0.10	-5.12	-2.68	-3.55
ETAŽA 100A	2.91	8.04	-0.36	-0.86	1.18	-0.24	-0.12	5.82	-1.92	1.88
TEMELJI	0.00	0.53	0.04	-0.24	0.17	-0.07	-0.03	2.21	-1.28	0.11
ETAŽA -100	-2.56	-0.10	-0.16	-0.11	-0.01	-0.02	-0.01	0.22	-0.12	-0.18
ETAŽA -200	-5.14	-0.14	-0.18	-0.10	-0.02	-0.03	-0.01	0.12	0.04	-0.17
ETAŽA -300	-7.72	-0.15	-0.17	-0.10	-0.02	-0.02	-0.01	0.05	0.15	-0.17
ETAŽA -400	-10.30	-0.14	-0.15	-0.09	-0.02	-0.02	-0.01	-0.01	0.21	-0.16
ETAŽA -500	-12.88	-0.11	-0.12	-0.08	-0.01	-0.02	-0.01	-0.06	0.23	-0.16
TEMELJI -600	-15.58	-0.06	-0.06	-0.05	-0.01	-0.01	-0.01	-0.06	0.17	-0.10
	$\Sigma=$	326.99	-5.79	4.67	37.15	16.58	0.53	331.79	-43.44	2.84

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	15.42	5.07	0.56	-0.32	81.88	7.63	-3.96	52.06	-4.84	-2.50
ETAŽA 400	14.00	12.71	2.41	0.91	158.24	-13.07	15.72	89.54	-14.98	8.79
ETAŽA 300	11.28	11.29	3.33	0.36	129.72	-6.07	4.95	74.30	-10.75	2.72
ETAŽA 200	8.28	5.58	-1.74	0.29	129.99	0.47	3.82	77.25	-4.81	1.95
KROV 1	7.31	0.34	-3.07	0.07	51.90	28.98	3.20	58.48	-18.00	-2.15
ETAŽA 100E	5.71	1.47	0.97	-0.04	94.38	376.18	15.56	22.81	-213.47	9.55
ETAŽA 100D	5.34	4.28	-0.87	0.20	119.34	66.77	7.79	58.09	-38.98	0.50
ETAŽA 100C	3.91	1.43	-0.00	0.06	46.55	106.59	7.79	38.99	-62.07	-1.20
ETAŽA 100B	3.21	0.86	0.31	-0.14	75.90	69.64	13.31	26.36	-38.02	-5.64
ETAŽA 100A	2.91	2.06	0.30	-0.02	134.10	42.74	-19.76	13.31	-32.08	6.84
TEMELJI	0.00	0.26	0.07	0.03	10.75	24.00	1.29	15.76	-17.36	-2.66
ETAŽA -100	-2.56	-0.03	-0.01	0.02	-5.20	1.41	5.83	3.28	-2.35	-4.67
ETAŽA -200	-5.14	-0.02	-0.03	0.02	-1.53	-3.63	5.65	0.11	0.86	-4.49
ETAŽA -300	-7.72	-0.01	-0.05	0.02	1.00	-6.72	5.48	-1.97	2.97	-4.32
ETAŽA -400	-10.30	0.00	-0.05	0.02	2.69	-8.18	5.31	-3.22	4.14	-4.17
ETAŽA -500	-12.88	0.01	-0.05	0.02	3.70	-8.40	5.07	-3.80	4.59	-3.96
TEMELJI -600	-15.58	0.01	-0.03	0.01	3.02	-5.85	3.25	-2.87	3.40	-2.53
	$\Sigma=$	45.33	2.04	1.48	1036.4	672.51	80.32	518.47	-441.72	-7.95

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	15.42	-17.73	3.51	2.08	-0.27	0.12	0.06	-68.25	46.17	5.74
ETAŽA 400	14.00	-32.93	3.44	-1.59	-0.38	-0.21	-0.01	-10.52	28.73	-0.10
ETAŽA 300	11.28	-11.53	1.80	-1.23	-0.19	0.28	-0.02	-59.27	20.68	-4.16
ETAŽA 200	8.28	8.44	0.54	-0.87	0.01	0.63	-0.02	-68.58	9.83	-1.61
KROV 1	7.31	16.60	-1.12	-0.49	0.16	0.46	0.00	57.15	1.05	-0.10
ETAŽA 100E	5.71	13.60	-10.70	10.22	0.16	-0.07	0.13	383.90	-18.87	174.26
ETAŽA 100D	5.34	11.98	-1.34	1.06	0.15	0.35	0.01	90.45	5.04	26.75
ETAŽA 100C	3.91	15.92	-2.86	1.61	0.21	0.13	0.02	216.13	-0.88	35.50
ETAŽA 100B	3.21	21.84	-1.33	3.26	0.25	0.03	0.08	263.80	-9.84	62.33
ETAŽA 100A	2.91	23.42	-2.34	-1.89	0.27	0.08	-0.02	318.21	20.45	-47.56
TEMELJI	0.00	8.32	-1.29	-0.71	0.09	0.04	-0.01	135.52	3.09	-8.42
ETAŽA -100	-2.56	0.53	-0.34	-0.52	0.01	-0.00	-0.01	24.84	1.69	-1.05
ETAŽA -200	-5.14	-0.12	-0.08	-0.49	-0.00	0.00	-0.01	9.55	3.08	-0.53
ETAŽA -300	-7.72	-0.53	0.10	-0.46	-0.01	0.00	-0.00	-1.46	3.93	-0.20
ETAŽA -400	-10.30	-0.77	0.22	-0.43	-0.01	0.00	-0.00	-9.13	4.14	0.03
ETAŽA -500	-12.88	-0.85	0.30	-0.41	-0.01	0.00	-0.00	-14.02	3.98	-0.07
TEMELJI -600	-15.58	-0.62	0.24	-0.25	-0.01	0.00	-0.00	-12.16	2.23	0.60
	$\Sigma=$	55.58	-11.24	8.88	0.44	1.86	0.20	1256.2	124.49	241.41

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	15.42	82.55	-102.54	-6.08	-50.09	112.37	0.91	44.96	1.27	-7.13
ETAŽA 400	14.00	28.12	-59.46	-2.90	-27.50	68.44	3.78	13.60	9.96	-1.89
ETAŽA 300	11.28	7.26	-40.73	8.34	30.51	49.00	-7.04	14.70	8.03	0.68
ETAŽA 200	8.28	-7.63	-18.20	2.45	33.34	22.59	-0.94	-2.90	6.23	0.56
KROV 1	7.31	0.63	-4.63	-0.04	7.33	12.16	2.89	18.40	11.43	2.40
ETAŽA 100E	5.71	23.82	8.14	4.92	42.18	25.05	9.82	130.28	39.05	71.19
ETAŽA 100D	5.34	-10.41	-8.82	1.04	6.74	17.23	2.40	-5.53	11.12	14.02
ETAŽA 100C	3.91	10.63	-0.72	1.31	18.04	14.10	4.31	-4.73	14.00	19.93
ETAŽA 100B	3.21	4.20	-4.57	-0.34	-13.49	5.16	10.05	48.83	-2.22	23.59
ETAŽA 100A	2.91	1.99	0.79	-8.09	-7.58	27.05	-0.18	81.81	30.95	-18.30
TEMELJI	0.00	5.20	-2.48	-2.32	9.46	15.60	3.75	48.15	16.67	-0.13
ETAŽA -100	-2.56	3.76	1.04	1.06	7.31	4.07	2.39	16.90	6.70	3.43
ETAŽA -200	-5.14	2.64	0.84	1.06	5.58	3.69	2.37	11.81	6.44	3.50

CANOSA INŽENJERING d.o.o.	Investitor: HOTEL OSMINE d.o.o.	Strana: 21/55
Građevina: HOTEL OSMINE-REKONSTR, DOGRADNJA I NADOGRADNJA, zgrada A-2		Dbk., 15.12.2015.

ETAŽA -300	-7.72	1.68	0.64	1.05	3.97	3.16	2.32	7.42	5.82	3.46
ETAŽA -400	-10.30	0.81	0.42	1.03	2.41	2.46	2.25	3.45	4.76	3.38
ETAŽA -500	-12.88	0.01	0.22	0.95	0.79	1.64	2.08	-0.28	3.42	3.10
TEMELJI -600	-15.58	-0.45	-0.04	0.69	-0.37	0.47	1.49	-2.25	1.18	2.35
	Σ=	154.80	-230.11	4.13	68.63	384.26	42.64	424.60	174.81	124.10

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	15.42	-8.59	1.98	1.21	227.14	129.29	-45.18	5.09	2.62	-0.86
ETAŽA 400	14.00	-4.38	-2.19	0.89	107.49	116.72	-14.51	0.54	2.36	-0.41
ETAŽA 300	11.28	0.89	-0.21	0.08	6.09	95.06	-12.37	1.27	1.93	-0.38
ETAŽA 200	8.28	1.89	-1.23	0.17	-35.46	46.71	-3.79	-1.17	0.89	-0.19
KROV 1	7.31	2.75	-1.61	0.25	0.54	16.44	2.45	-3.91	-0.69	-0.26
ETAŽA 100E	5.71	12.49	3.17	5.80	-13.56	6.01	11.30	-1.88	-3.75	0.81
ETAŽA 100D	5.34	0.93	-1.85	1.19	-36.32	28.43	2.63	1.72	-0.10	0.03
ETAŽA 100C	3.91	0.18	-0.04	1.74	-12.45	13.71	3.99	1.37	-1.26	-0.21
ETAŽA 100B	3.21	3.13	-0.73	1.79	-10.35	12.42	13.61	3.85	0.18	0.31
ETAŽA 100A	2.91	5.85	2.15	-1.72	-29.84	23.79	10.50	6.73	-2.79	0.41
TEMELJI	0.00	4.14	1.05	-0.02	-12.50	20.99	7.83	0.70	-1.78	-0.18
ETAŽA -100	-2.56	1.75	0.72	0.41	0.68	2.90	0.30	-1.64	-0.99	-0.52
ETAŽA -200	-5.14	1.29	0.68	0.41	0.91	3.21	0.28	-1.78	-0.98	-0.50
ETAŽA -300	-7.72	0.88	0.60	0.40	1.01	3.21	0.25	-1.77	-0.91	-0.48
ETAŽA -400	-10.30	0.49	0.49	0.39	0.96	2.91	0.23	-1.57	-0.75	-0.45
ETAŽA -500	-12.88	0.10	0.34	0.36	0.76	2.31	0.20	-1.18	-0.54	-0.41
TEMELJI -600	-15.58	-0.15	0.11	0.27	0.39	1.19	0.13	-0.56	-0.20	-0.28
	Σ=	23.64	3.44	13.62	195.50	525.30	-22.14	5.81	-6.76	-3.56

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	15.42	43.48	-36.57	-3.59	3.31	3.70	-0.85	-19.43	10.25	1.77
ETAŽA 400	14.00	-46.29	8.27	-22.78	0.52	2.50	-0.26	20.23	-4.91	7.68
ETAŽA 300	11.28	3.13	13.16	-5.97	-0.11	1.39	-0.39	-4.56	-6.00	1.05
ETAŽA 200	8.28	50.00	11.63	-6.96	0.50	0.48	-0.11	-20.85	-4.22	1.42
KROV 1	7.31	19.82	31.86	5.22	0.32	1.14	0.19	-11.40	-1.59	-0.25
ETAŽA 100E	5.71	-53.01	97.60	-47.66	-2.92	1.96	-1.68	-28.36	-3.51	-8.42
ETAŽA 100D	5.34	66.47	26.69	-11.03	1.12	-1.81	-0.27	-19.76	-2.54	-0.71
ETAŽA 100C	3.91	62.01	52.27	-1.67	1.24	-1.22	-0.06	-10.44	-0.61	-2.10
ETAŽA 100B	3.21	-11.14	13.38	-19.42	0.23	-0.88	-0.73	10.08	-0.07	-7.06
ETAŽA 100A	2.91	23.99	107.16	9.80	0.07	-2.55	0.75	-8.57	-1.01	4.77
TEMELJI	0.00	99.54	93.95	10.60	2.80	0.44	0.57	2.81	3.93	1.00
ETAŽA -100	-2.56	80.76	51.41	15.46	2.85	1.64	0.40	15.36	5.68	-0.24
ETAŽA -200	-5.14	104.99	58.67	14.59	3.86	1.96	0.37	23.09	8.21	-0.35
ETAŽA -300	-7.72	116.29	60.24	13.20	4.37	2.07	0.33	27.59	9.63	-0.58
ETAŽA -400	-10.30	112.45	55.05	11.68	4.29	1.93	0.27	28.11	9.62	-0.86
ETAŽA -500	-12.88	92.36	43.25	9.97	3.58	1.55	0.22	24.28	8.10	-1.06
TEMELJI -600	-15.58	49.72	20.52	6.62	1.96	0.76	0.14	13.78	4.32	-0.79
	Σ=	814.56	708.54	-21.95	27.99	15.07	-1.09	41.98	35.27	-4.74

Nivo	Z [m]	Ton 19			Ton 20		
		Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]
ETAŽA 500	15.42	13.09	5.82	-0.60	43.74	-31.94	-1.68
ETAŽA 400	14.00	-7.98	4.43	-1.20	-59.71	12.46	-25.94
ETAŽA 300	11.28	2.89	1.52	-0.73	5.06	20.78	-7.41
ETAŽA 200	8.28	7.59	-0.73	-0.31	58.56	16.54	-7.99
KROV 1	7.31	-2.00	0.46	2.25	13.55	-3.42	-5.45
ETAŽA 100E	5.71	10.76	-8.72	-6.63	11.75	-26.37	13.29
ETAŽA 100D	5.34	7.71	-3.95	0.10	76.26	8.12	-3.14
ETAŽA 100C	3.91	2.57	-10.19	2.34	13.75	-2.87	-4.32
ETAŽA 100B	3.21	3.17	-12.72	-0.98	31.81	5.31	-0.60
ETAŽA 100A	2.91	13.77	-24.73	0.51	20.96	-8.56	2.18
TEMELJI	0.00	22.55	-45.71	3.32	21.94	4.49	-5.83
ETAŽA -100	-2.56	20.32	-41.19	4.28	5.57	10.71	-6.43
ETAŽA -200	-5.14	30.06	-56.34	4.16	11.76	19.00	-6.36
ETAŽA -300	-7.72	36.16	-65.03	4.00	15.97	24.49	-6.40
ETAŽA -400	-10.30	37.65	-66.21	3.83	17.38	26.41	-6.49
ETAŽA -500	-12.88	33.96	-59.07	3.60	15.65	24.26	-6.38
TEMELJI -600	-15.58	20.37	-35.63	2.34	9.09	15.03	-4.38
	Σ=	252.64	-417.99	20.27	313.07	114.43	-83.32

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	15.42	-1.23	-0.17	-0.02	0.06	0.03	0.00	-18.31	-0.38	1.03
ETAŽA 400	14.00	-11.87	0.76	-0.38	0.56	0.21	0.02	-60.34	4.07	-3.57
ETAŽA 300	11.28	-29.92	1.38	-0.05	1.42	0.70	0.01	-59.53	2.69	-1.28
ETAŽA 200	8.28	-22.01	0.96	-0.04	1.04	0.52	0.00	-14.44	1.02	-1.01
KROV 1	7.31	-17.42	0.69	0.04	0.81	0.42	-0.00	12.17	0.50	-0.17
ETAŽA 100E	5.71	-4.75	-1.37	-0.95	0.23	0.15	0.04	2.63	5.79	2.34
ETAŽA 100D	5.34	-6.41	-0.07	-0.18	0.30	0.13	0.01	-7.70	1.43	-0.12
ETAŽA 100C	3.91	-3.19	-0.33	-0.17	0.15	0.06	0.01	-0.62	1.88	0.39
ETAŽA 100B	3.21	-3.33	-0.39	-0.23	0.18	0.02	0.01	2.28	1.19	1.58
ETAŽA 100A	2.91	-2.52	0.11	0.27	0.16	-0.03	-0.02	-2.59	0.85	-0.83
TEMELJI	0.00	-0.17	-0.01	0.08	0.02	-0.01	-0.00	-0.98	0.57	-0.05
ETAŽA -100	-2.56	0.03	0.05	0.03	-0.00	-0.00	-0.00	-0.10	0.05	0.08
ETAŽA -200	-5.14	0.04	0.06	0.03	-0.00	-0.00	-0.00	-0.05	-0.02	0.08
ETAŽA -300	-7.72	0.05	0.05	0.03	-0.00	-0.00	-0.00	-0.02	-0.07	0.07
ETAŽA -400	-10.30	0.04	0.05	0.03	-0.00	-0.00	-0.00	0.01	-0.09	0.07
ETAŽA -500	-12.88	0.04	0.04	0.03	-0.00	-0.00	-0.00	0.03	-0.10	0.07
TEMELJI -600	-15.58	0.02	0.02	0.02	-0.00	-0.00	-0.00	0.03	-0.07	0.04
	Σ=	-102.58	1.82	-1.47	4.92	2.20	0.07	-147.54	19.32	-1.26

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	15.42	-1.22	-0.13	0.08	25.02	2.33	-1.21	-81.38	7.57	3.90
ETAŽA 400	14.00	-3.04	-0.58	-0.22	48.35	-3.99	4.80	-139.98	23.42	-13.74
ETAŽA 300	11.28	-2.70	-0.80	-0.09	39.63	-1.86	1.51	-116.15	16.80	-4.25

CANOSA INŽENJERING d.o.o.	Investitor: HOTEL OSMINE d.o.o.	Strana: 22/55
Građevina: HOTEL OSMINE-REKONSTR, DOGRADNJA I NADOGRADNJA, zgrada A-2		Dbk., 15.12.2015.

ETAŽA 200	8.28	-1.34	0.42	-0.07	39.72	0.14	1.17	-120.77	7.52	-3.05
KROV 1	7.31	-0.08	0.74	-0.02	15.86	8.86	0.98	-91.42	28.13	3.36
ETAŽA 100E	5.71	-0.35	-0.23	0.01	28.84	114.94	4.76	-35.66	333.72	-14.93
ETAŽA 100D	5.34	-1.03	0.21	-0.05	36.46	20.40	2.38	-90.81	60.93	-0.79
ETAŽA 100C	3.91	-0.34	0.00	-0.01	14.22	32.57	2.38	-60.96	97.03	1.87
ETAŽA 100B	3.21	-0.21	-0.07	0.03	23.19	21.28	4.07	-41.21	59.44	8.82
ETAŽA 100A	2.91	-0.49	-0.07	0.00	40.97	13.06	-6.04	-20.81	50.15	-10.69
TEMELJI	0.00	-0.06	-0.02	-0.01	3.28	7.33	0.39	-24.64	27.13	4.16
ETAŽA -100	-2.56	0.01	0.00	-0.00	-1.59	0.43	1.78	-5.13	3.68	7.30
ETAŽA -200	-5.14	0.00	0.01	-0.00	-0.47	-1.11	1.73	-0.17	-1.35	7.02
ETAŽA -300	-7.72	0.00	0.01	-0.00	0.31	-2.05	1.67	3.08	-4.65	6.76
ETAŽA -400	-10.30	-0.00	0.01	-0.00	0.82	-2.50	1.62	5.04	-6.48	6.52
ETAŽA -500	-12.88	-0.00	0.01	-0.00	1.13	-2.57	1.55	5.95	-7.17	6.20
TEMELJI -600	-15.58	-0.00	0.01	-0.00	0.92	-1.79	0.99	4.49	-5.32	3.96
Σ=	-10.86	-0.49	-0.36		316.67	205.48	24.54	-810.54	690.54	12.43

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	15.42	8.16	-1.62	-0.95	-0.45	0.20	0.10	8.99	-6.08	-0.76
ETAŽA 400	14.00	15.15	-1.58	0.73	-0.63	-0.36	-0.01	1.39	-3.78	0.01
ETAŽA 300	11.28	5.30	-0.83	0.57	-0.32	0.47	-0.04	7.81	-2.72	0.55
ETAŽA 200	8.28	-3.89	-0.25	0.40	0.02	1.07	-0.04	9.03	-1.29	0.21
KROV 1	7.31	-7.64	0.52	0.23	0.27	0.77	0.00	-7.53	-0.14	0.01
ETAŽA 100E	5.71	-6.26	4.93	-4.70	0.27	-0.12	0.22	-50.57	2.49	-22.96
ETAŽA 100D	5.34	-5.51	0.62	-0.49	0.25	0.59	0.02	-11.92	-0.66	-3.52
ETAŽA 100C	3.91	-7.32	1.31	-0.74	0.35	0.23	0.04	-28.47	0.12	-4.68
ETAŽA 100B	3.21	-10.05	0.61	-1.50	0.42	0.06	0.13	-34.75	1.30	-8.21
ETAŽA 100A	2.91	-10.78	1.08	0.87	0.46	0.14	-0.03	-41.92	-2.69	6.26
TEMELJI	0.00	-3.83	0.59	0.33	0.15	0.06	-0.01	-17.85	-0.41	1.11
ETAŽA -100	-2.56	-0.24	0.15	0.24	0.01	-0.00	-0.01	-3.27	-0.22	0.14
ETAŽA -200	-5.14	0.05	0.04	0.22	-0.00	0.00	-0.01	-1.26	-0.41	0.07
ETAŽA -300	-7.72	0.24	-0.05	0.21	-0.01	0.00	-0.01	0.19	-0.52	0.03
ETAŽA -400	-10.30	0.35	-0.10	0.20	-0.02	0.01	-0.01	1.20	-0.54	-0.00
ETAŽA -500	-12.88	0.39	-0.14	0.19	-0.02	0.01	-0.01	1.85	-0.52	0.01
TEMELJI -600	-15.58	0.29	-0.11	0.12	-0.01	0.01	-0.00	1.60	-0.29	-0.08
Σ=		-25.58	5.17	-4.09	0.74	3.15	0.34	-165.47	-16.40	-31.80

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	15.42	-261.23	324.47	19.25	-95.86	215.07	1.74	7.40	0.21	-1.17
ETAŽA 400	14.00	-89.00	188.17	9.17	-52.63	131.00	7.24	2.24	1.64	-0.31
ETAŽA 300	11.28	-22.98	128.89	-26.39	58.40	93.78	-13.48	2.42	1.32	0.11
ETAŽA 200	8.28	24.13	57.61	-7.75	63.80	43.23	-1.80	-0.48	1.03	0.09
KROV 1	7.31	-1.98	14.65	0.12	14.02	23.28	5.53	3.03	1.88	0.40
ETAŽA 100E	5.71	-75.36	-25.76	-15.58	80.72	47.94	18.79	21.45	6.43	11.72
ETAŽA 100D	5.34	32.94	27.93	-3.29	12.89	32.98	4.59	-0.91	1.83	2.31
ETAŽA 100C	3.91	-33.62	2.29	-4.13	34.52	26.99	8.25	-0.78	2.30	3.28
ETAŽA 100B	3.21	-13.30	14.46	1.07	-25.82	9.88	19.23	8.04	-0.37	3.88
ETAŽA 100A	2.91	-6.29	-2.49	25.59	-14.50	51.77	-0.35	13.47	5.10	-3.01
TEMELJI	0.00	-16.45	7.84	7.35	18.11	29.86	7.17	7.93	2.74	-0.02
ETAŽA -100	-2.56	-11.89	-3.30	-3.34	14.00	7.79	4.57	2.78	1.10	0.56
ETAŽA -200	-5.14	-8.34	-2.66	-3.37	10.67	7.07	4.54	1.94	1.06	0.58
ETAŽA -300	-7.72	-5.30	-2.02	-3.32	7.61	6.06	4.44	1.22	0.96	0.57
ETAŽA -400	-10.30	-2.58	-1.34	-3.25	4.60	4.70	4.31	0.57	0.78	0.56
ETAŽA -500	-12.88	-0.02	-0.70	-3.01	1.51	3.13	3.99	-0.05	0.56	0.51
TEMELJI -600	-15.58	1.41	0.14	-2.19	-0.71	0.91	2.86	-0.37	0.19	0.39
Σ=		-489.85	728.19	-13.06	131.35	735.43	81.61	69.90	28.78	20.43

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	15.42	-0.13	0.03	0.02	301.60	171.66	-59.99	-17.98	-9.25	3.02
ETAŽA 400	14.00	-0.07	-0.03	0.01	142.72	154.98	-19.27	-1.89	-8.32	1.44
ETAŽA 300	11.28	0.01	-0.00	0.00	8.08	126.22	-16.42	-4.48	-6.83	1.34
ETAŽA 200	8.28	0.03	-0.02	0.00	-47.09	62.02	-5.03	4.13	-3.13	0.68
KROV 1	7.31	0.04	-0.02	0.00	0.72	21.83	3.25	13.79	2.43	0.92
ETAŽA 100E	5.71	0.19	0.05	0.09	-18.00	7.98	15.01	6.63	13.25	-2.87
ETAŽA 100D	5.34	0.01	-0.03	0.02	-48.23	37.75	3.50	-6.08	0.35	-0.10
ETAŽA 100C	3.91	0.00	-0.00	0.03	-16.53	18.20	5.30	-4.83	4.46	0.74
ETAŽA 100B	3.21	0.05	-0.01	0.03	-13.75	16.50	18.08	-13.59	-0.64	-1.09
ETAŽA 100A	2.91	0.09	0.03	-0.03	-39.62	31.59	13.95	-23.76	9.85	-1.43
TEMELJI	0.00	0.06	0.02	-0.00	-16.59	27.87	10.40	-2.47	6.29	0.62
ETAŽA -100	-2.56	0.03	0.01	0.01	0.90	3.85	0.40	5.80	3.49	1.83
ETAŽA -200	-5.14	0.02	0.01	0.01	1.21	4.26	0.37	6.30	3.46	1.77
ETAŽA -300	-7.72	0.01	0.01	0.01	1.34	4.27	0.33	6.24	3.20	1.68
ETAŽA -400	-10.30	0.01	0.01	0.01	1.28	3.87	0.30	5.55	2.66	1.58
ETAŽA -500	-12.88	0.00	0.01	0.01	1.01	3.07	0.26	4.16	1.90	1.44
TEMELJI -600	-15.58	-0.00	0.00	0.00	0.52	1.58	0.17	1.99	0.70	0.99
Σ=		0.35	0.05	0.20	259.58	697.49	-29.40	-20.50	23.86	12.57

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	15.42	19.49	-16.40	-1.61	0.65	0.73	-0.17	-8.07	4.26	0.73
ETAŽA 400	14.00	-20.76	3.71	-10.21	0.10	0.49	-0.05	8.41	-2.04	3.19
ETAŽA 300	11.28	1.40	5.90	-2.68	-0.02	0.27	-0.08	-1.89	-2.49	0.44
ETAŽA 200	8.28	22.42	5.21	-3.12	0.10	0.09	-0.02	-8.67	-1.75	0.59
KROV 1	7.31	8.89	14.29	2.34	0.06	0.22	0.04	-4.74	-0.66	-0.10
ETAŽA 100E	5.71	-23.77	43.76	-21.37	-0.58	0.39	-0.33	-11.78	-1.46	-3.50
ETAŽA 100D	5.34	29.81	11.97	-4.95	0.22	-0.36	-0.05	-8.21	-1.05	-0.30
ETAŽA 100C	3.91	27.80	23.43	-0.75	0.24	-0.24	-0.01	-4.34	-0.26	-0.87
ETAŽA 100B	3.21	-4.99	6.00	-8.71	0.05	-0.17	-0.14	4.19	-0.03	-2.93
ETAŽA 100A	2.91	10.76	48.05	4.39	0.01	-0.50	0.15	-3.56	-0.42	1.98
TEMELJI	0.00	44.63	42.12	4.75	0.55	0.09	0.11	1.17	1.63	0.42
ETAŽA -100	-2.56	36.21	23.05	6.93	0.56	0.32	0.08	6.38	2.36	-0.10
ETAŽA -200	-5.14	47.07	26.31	6.54	0.76	0.39	0.07	9.60	3.41	-0.15
ETAŽA -300	-7.72	52.14	27.01	5.92	0.86	0.41	0.06	11.47	4.00	-0.24
ETAŽA -400	-10.30	50.42	24.68	5.24	0.85	0.38	0.05	11.68	4.00	-0.36

CANOSA INŽENJERING d.o.o.	Investitor: HOTEL OSMINE d.o.o.	Strana: 23/55
Građevina: HOTEL OSMINE-REKONSTR, DOGRADNJA I NADOGRADNJA, zgrada A-2		Dbk., 15.12.2015.

ETAŽA -500	-12.88	41.41	19.39	4.47	0.71	0.30	0.04	10.09	3.37	-0.44
TEMELJI -600	-15.58	22.29	9.20	2.97	0.39	0.15	0.03	5.73	1.79	-0.33
	Σ=	365.23	317.69	-9.84	5.51	2.97	-0.22	17.45	14.66	-1.97

Nivo	Z [m]	Ton 19			Ton 20		
		Px [kN]	Py [kN]	Pz [kN]	Px [kN]	Py [kN]	Pz [kN]
ETAŽA 500	15.42	-47.89	-21.30	2.19	-0.61	0.44	0.02
ETAŽA 400	14.00	29.18	-16.19	4.41	0.83	-0.17	0.36
ETAŽA 300	11.28	-10.58	-5.57	2.67	-0.07	-0.29	0.10
ETAŽA 200	8.28	-27.76	2.68	1.13	-0.82	-0.23	0.11
KROV 1	7.31	7.33	-1.68	-8.22	-0.19	0.05	0.08
ETAŽA 100E	5.71	-39.35	31.88	24.25	-0.16	0.37	-0.18
ETAŽA 100D	5.34	-28.21	14.47	-0.36	-1.06	-0.11	0.04
ETAŽA 100C	3.91	-9.40	37.28	-8.58	-0.19	0.04	0.06
ETAŽA 100B	3.21	-11.61	46.51	3.57	-0.44	-0.07	0.01
ETAŽA 100A	2.91	-50.35	90.48	-1.87	-0.29	0.12	-0.03
TEMELJI	0.00	-82.49	167.21	-12.14	-0.31	-0.06	0.08
ETAŽA -100	-2.56	-74.35	150.68	-15.66	-0.08	-0.15	0.09
ETAŽA -200	-5.14	-109.98	206.09	-15.22	-0.16	-0.26	0.09
ETAŽA -300	-7.72	-132.27	237.88	-14.62	-0.22	-0.34	0.09
ETAŽA -400	-10.30	-137.72	242.21	-13.99	-0.24	-0.37	0.09
ETAŽA -500	-12.88	-124.22	216.07	-13.16	-0.22	-0.34	0.09
TEMELJI -600	-15.58	-74.51	130.33	-8.56	-0.13	-0.21	0.06
	Σ=	-924.17	1529.0	-74.13	-4.36	-1.59	1.16

Faktori participacije - Relativno učešće

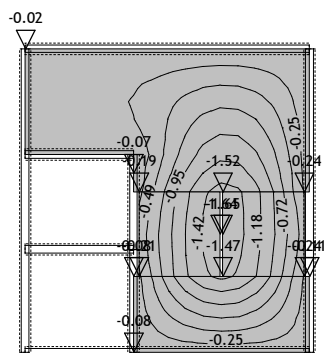
Ton \ Naziv	1. POTRES X	2. POTRES Y
1	0.050	0.006
2	0.006	0.000
3	0.049	0.012
4	0.007	0.000
5	0.193	0.022
6	0.059	0.172
7	0.008	0.002
8	0.000	0.001
9	0.209	0.004
10	0.013	0.160
11	0.030	0.132
12	0.079	0.003
13	0.004	0.000
14	0.053	0.112
15	0.000	0.006
16	0.156	0.038
17	0.005	0.000
18	0.008	0.002
19	0.020	0.328
20	0.049	0.000

Faktori participacije - Sudjelujuće mase

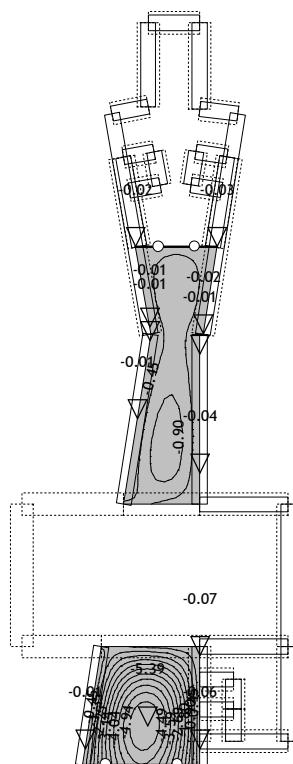
Ton	UX (%)	UY (%)	UZ (%)	ΣUX (%)	ΣUY (%)	ΣUZ (%)
1	4.15	0.00	0.00	4.15	0.00	0.00
2	0.41	0.08	0.00	4.56	0.08	0.00
3	4.37	0.07	0.00	8.93	0.16	0.00
4	0.56	0.00	0.00	9.49	0.16	0.00
5	10.79	4.54	0.06	20.29	4.70	0.07
6	8.89	6.45	0.00	29.17	11.15	0.07
7	0.72	0.03	0.02	29.89	11.18	0.09
8	0.00	0.04	0.00	29.89	11.23	0.09
9	15.15	0.15	0.56	45.04	11.37	0.65
10	3.67	8.11	0.00	48.71	19.48	0.65
11	0.32	10.02	0.12	49.03	29.50	0.77
12	4.73	0.80	0.40	53.76	30.30	1.18
13	0.26	0.01	0.09	54.02	30.31	1.26
14	1.50	10.84	0.02	55.52	41.15	1.28
15	0.17	0.23	0.06	55.69	41.38	1.35
16	8.97	6.78	0.01	64.66	48.16	1.35
17	0.34	0.10	0.00	65.00	48.26	1.35
18	0.48	0.34	0.01	65.48	48.60	1.36
19	6.70	18.33	0.04	72.17	66.93	1.40
20	4.26	0.57	0.30	76.43	67.50	1.70

Statički proračun

Opt. 4: I+II



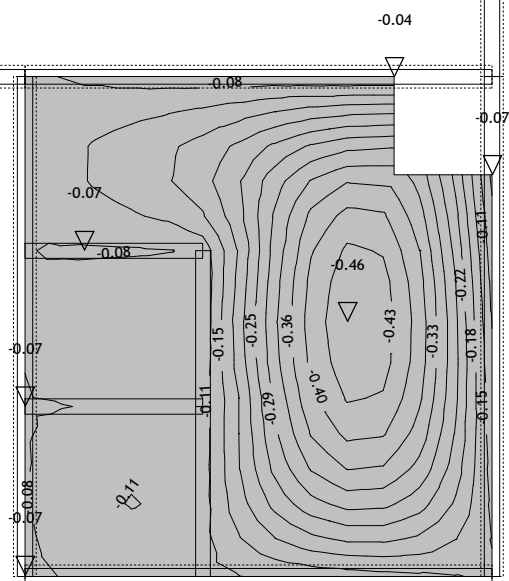
Opt. 4: I+II



Nivo: ETAŽA 100B [3.21 m]

Utjecaji u ploči: max $Z_p = -0.01$ / min $Z_p = -5.39$ m / 1000

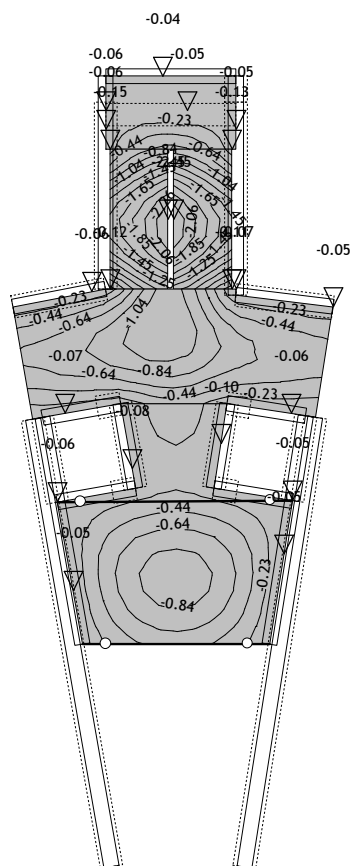
Opt. 4: I+II



Nivo: ETAŽA 100C [3.91 m]

Utjecaji u ploči: max $Z_p = -0.04$ / min $Z_p = -0.46$ m / 1000

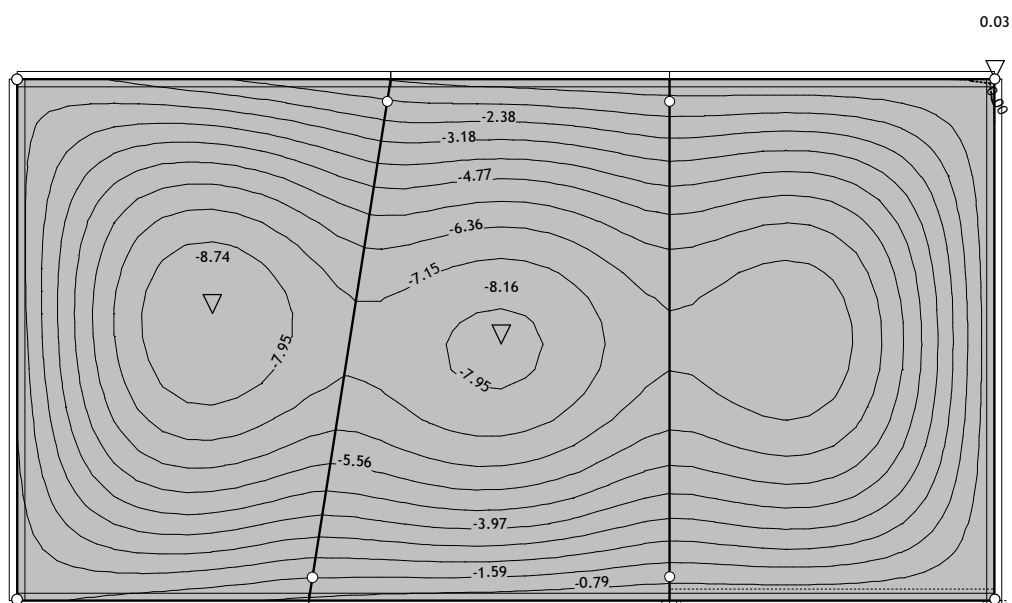
Opt. 4: I+II



Nivo: ETAŽA 100D [5.34 m]

Utjecaji u ploči: max Zp= -0.04 / min Zp= -2.45 m / 1000

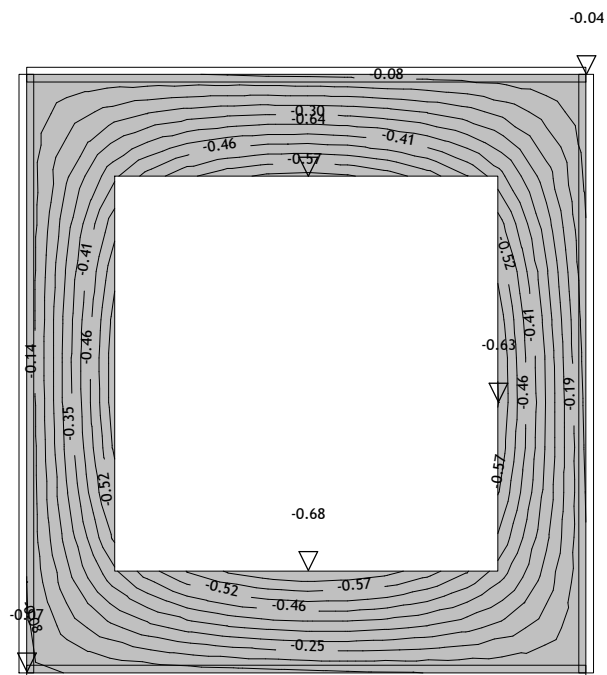
Opt. 4: I+II



Nivo: ETAŽA 100E [5.71 m]

Utjecaji u ploči: max Zp= 0.03 / min Zp= -8.74 m / 1000

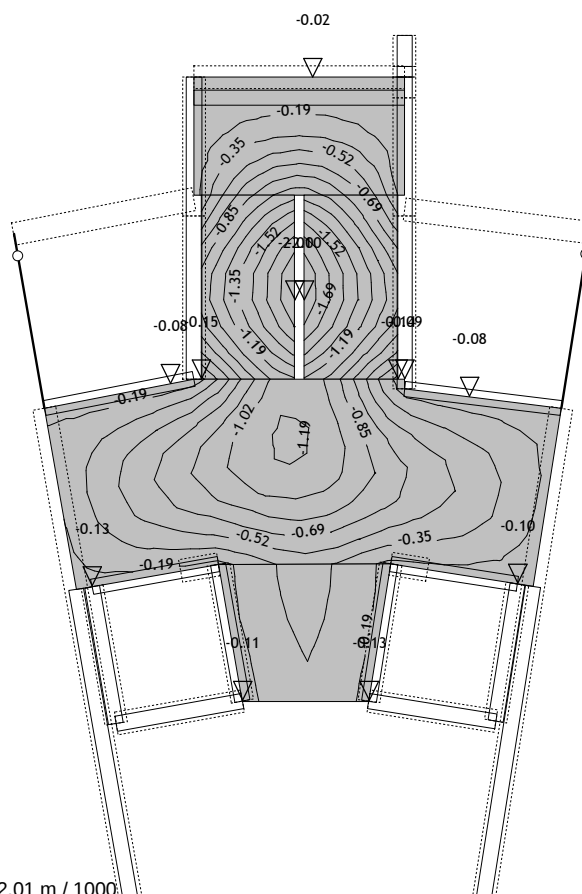
Opt. 4: I+II



Nivo: KROV 1 [7.31 m]

Utjecaji u ploči: max $Z_p = -0.04$ / min $Z_p = -0.68$ m / 1000

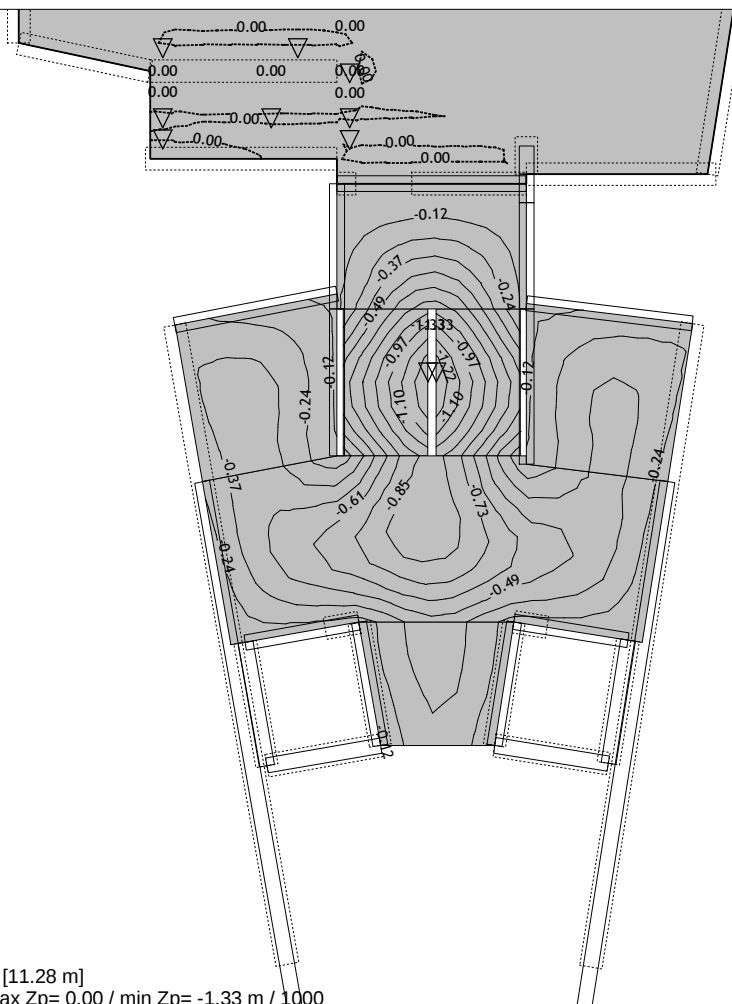
Opt. 4: I+II



Nivo: ETAŽA 200 [8.28 m]

Utjecaji u ploči: max $Z_p = -0.02$ / min $Z_p = -2.01$ m / 1000

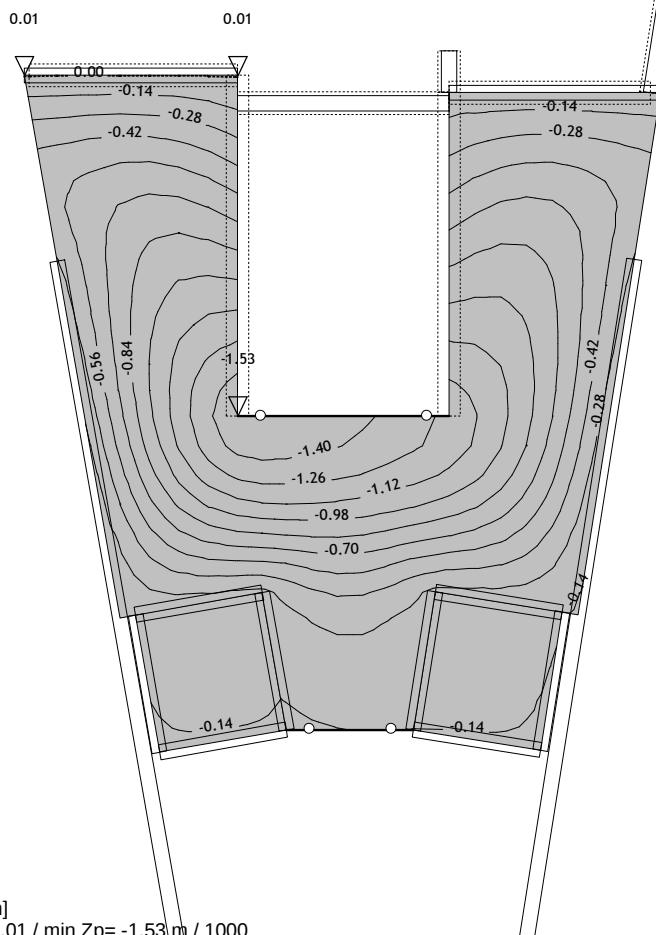
Opt. 4: I+II



Nivo: ETAŽA 300 [11.28 m]

Utjecaji u ploči: max Zp= 0.00 / min Zp= -1.33 m / 1000

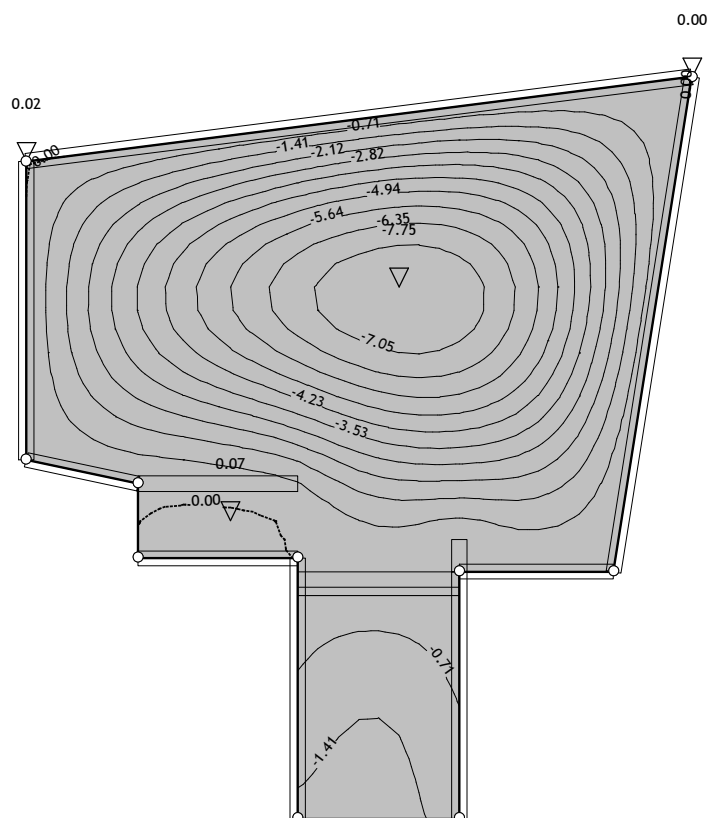
Opt. 4: I+II



Nivo: ETAŽA 400 [14.00 m]

Utjecaji u ploči: max Zp= 0.01 / min Zp= -1.53 m / 1000

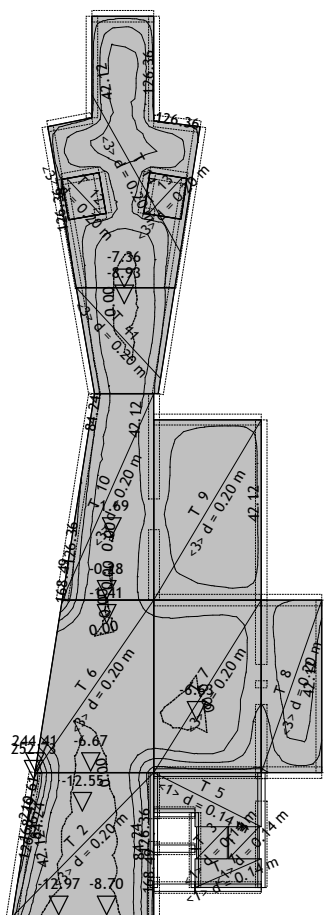
Opt. 4: I+II



Nivo: ETAŽA 500 [15.42 m]

Utjecaji u ploči: max $Z_p = 0.07$ / min $Z_p = -7.75$ m / 1000

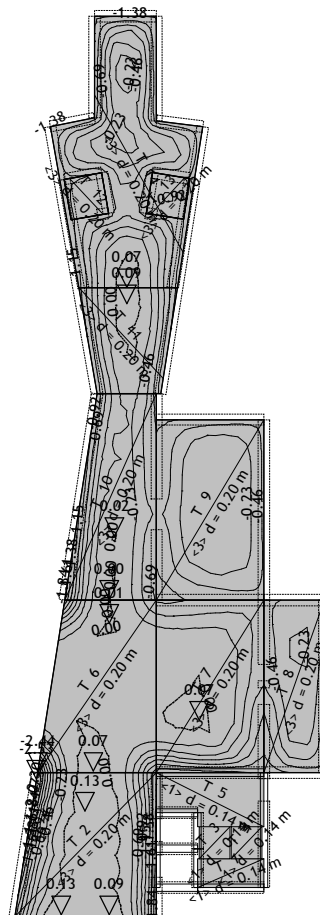
Opt. 16: I+II



Nivo: TEMELJI [0.00 m]

Utjecaji u pov. ležaju: max $\sigma_{tla} = 252.73$ / min $\sigma_{tla} = -12.97$ kN/m²

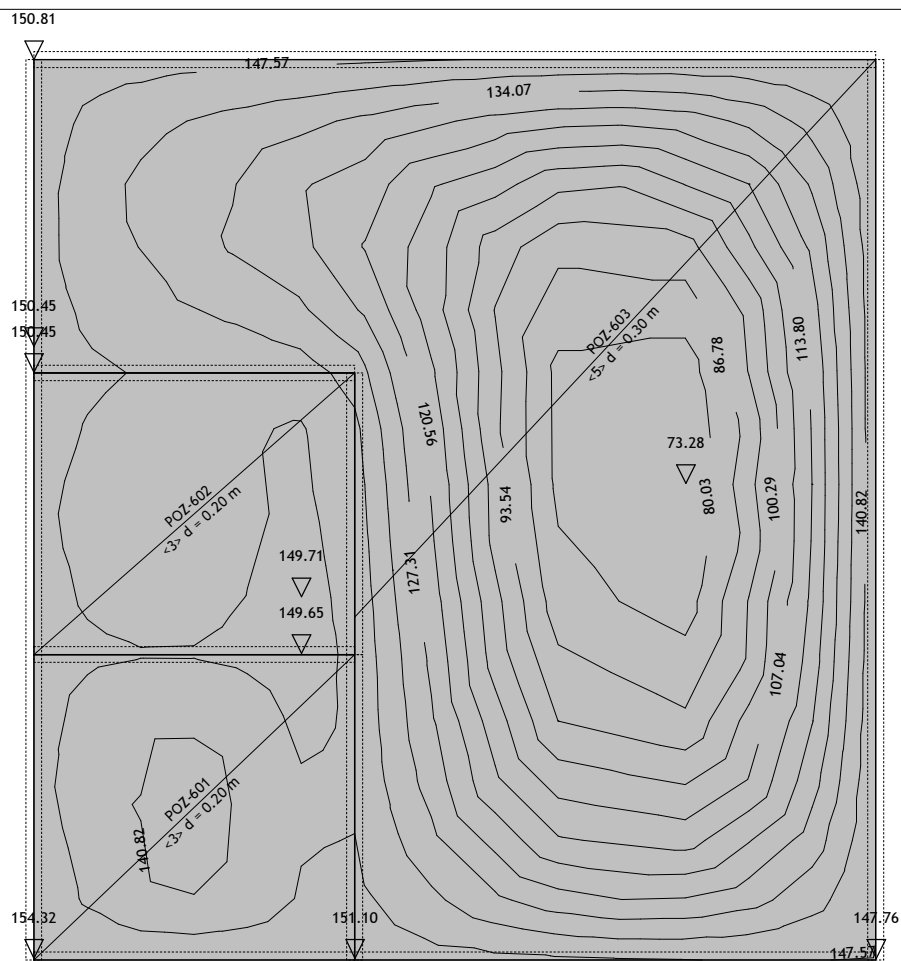
Opt. 16: I+II



Nivo: TEMELJI [0.00 m]

Utjecaji u pov. ležaju: max $s_{tla} = 0.13$ / min $s_{tla} = -2.53$ m / 1000

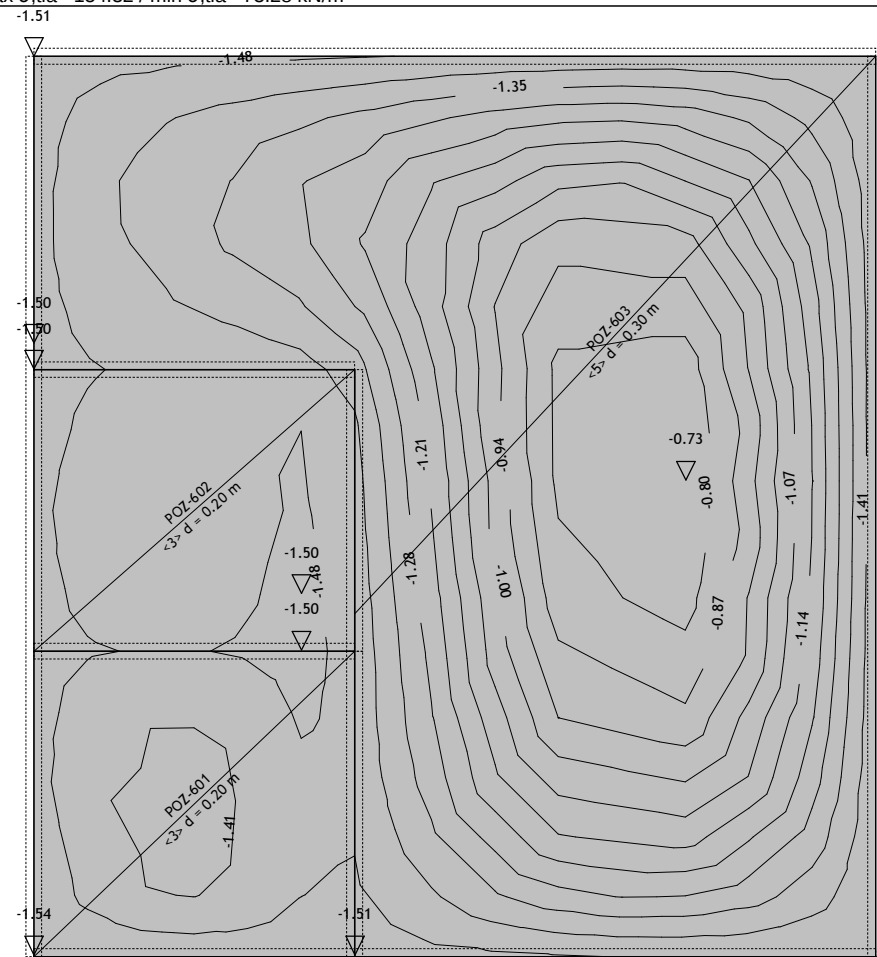
Opt. 16: I+II



Nivo: TEMELJI -600 [-15.58 m]

Utjecaji u pov. ležaju: max σ_{tla} = 154.32 / min σ_{tla} = 73.28 kN/m²

Opt. 16: I+II

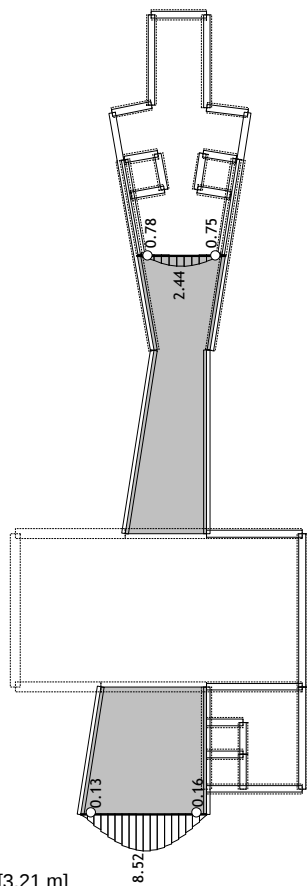


Nivo: TEMELJI -600 [-15.58 m]

Utjecaji u pov. ležaju: max s_{tla} = -0.73 / min s_{tla} = -1.54 m / 1000

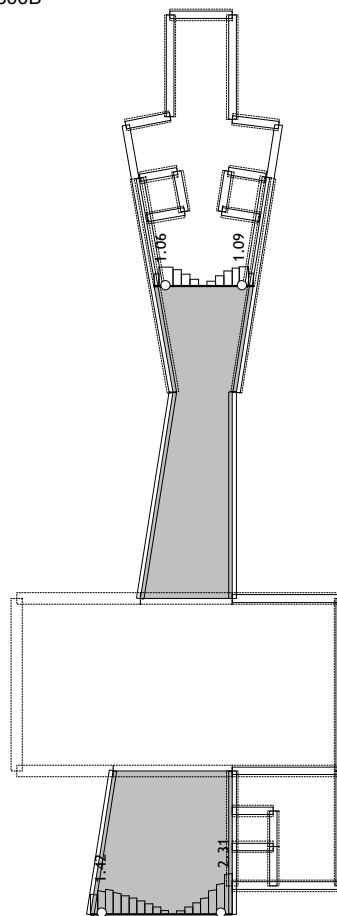
Dimenzioniranje (beton)

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B

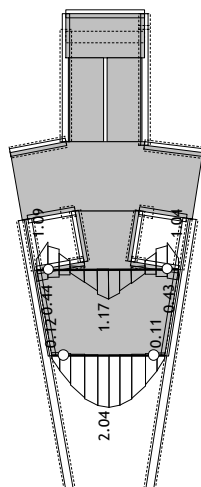


Nivo: ETAŽA 100B [3.21 m] 8.5
 Armatura u gredama: max Aa2/Aa1= 8.52 cm²
 Mjerodavno opterećenje: 1.35xI+1.50xII
 TPBK, C25/30, B500B

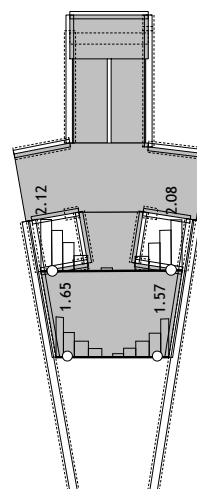
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B



Nivo: ETAŽA 100B [3.21 m]
 Armatura u gredama: max $A_{sw} = 2.31 \text{ cm}^2$
 Mjerodavno opterećenje: $1.35xI + 1.50xII$
 TPBK, C25/30, B500B

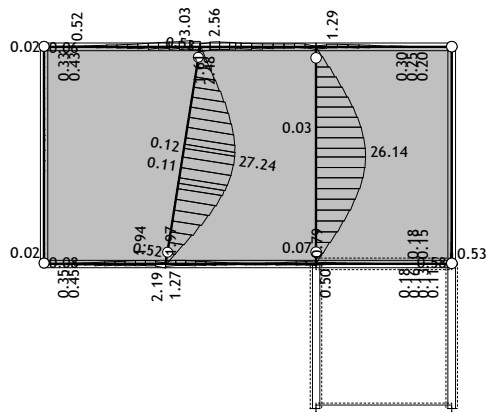


Nivo: ETAŽA 100D [5.34 m]
Armatura u gredama: max $A_{a2}/A_{a1} = 2.04 \text{ cm}^2$



Nivo: ETAŽA 100D [5.34 m]
Armatura u gredama: max $A_{sw} = 2.12 \text{ cm}^2$

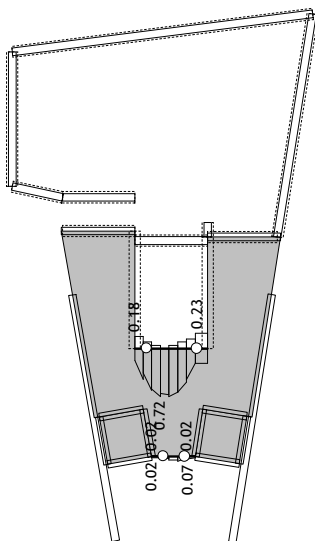
Mjerodavno opterećenje: $1.35xI + 1.50xII$
TPBK, C25/30, B500B



Nivo: ETAŽA 100E [5.71 m]

Armatura u gredama: $\max A_{a2}/A_{a1} = 27.24 \text{ cm}^2$

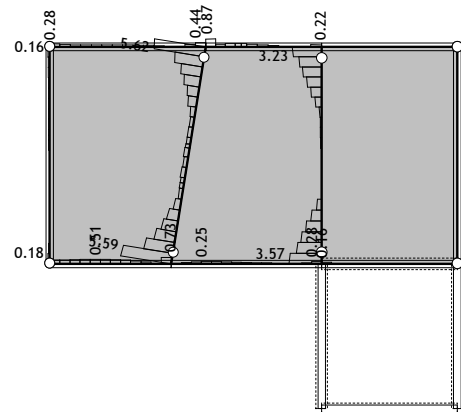
Mjerodavno opterećenje: $1.35xI + 1.50xII$
TPBK, C25/30, B500B



Nivo: ETAŽA 400 [14.00 m]

Armatura u gredama: $\max A_{a2}/A_{a1} = 0.72 \text{ cm}^2$

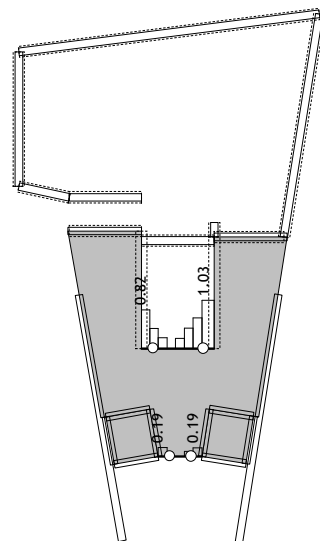
Mjerodavno opterećenje: $1.35xI + 1.50xII$
TPBK, C25/30, B500B



Nivo: ETAŽA 100E [5.71 m]

Armatura u gredama: max $A_{sw} = 5.62 \text{ cm}^2$

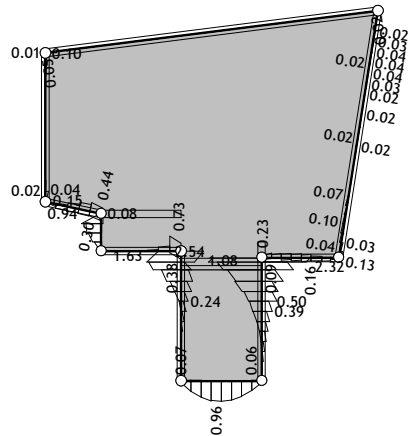
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B



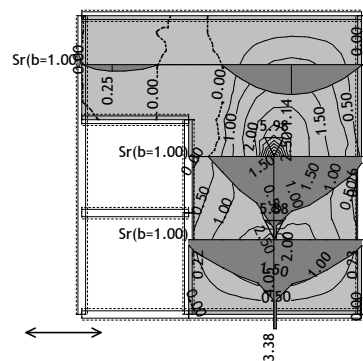
Nivo: ETAŽA 400 [14.00 m]

Armatura u gredama: max $A_{sw} = 1.03 \text{ cm}^2$

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B

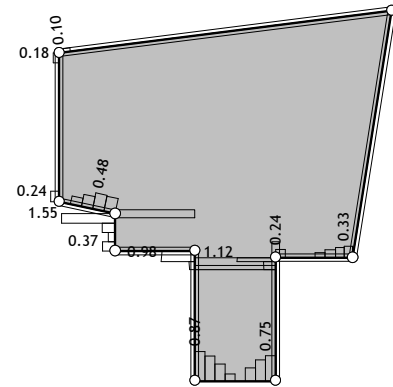


Nivo: ETAŽA 500 [15.42 m]
Armatura u gredama: max Aa2/Aa1= 2.54 cm²
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm

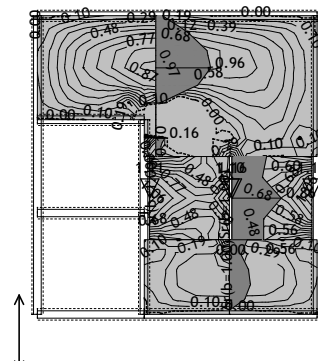


Nivo: ETAŽA -100 [-2.56 m]
Aa - d.zona - Pravac 1 - max Aa1,d= 5.98 cm²/m

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B

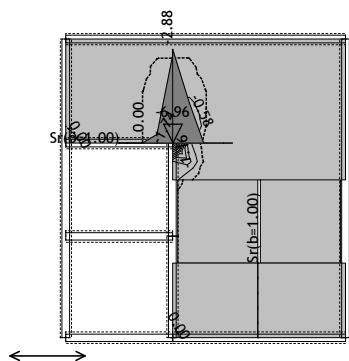


Nivo: ETAŽA 500 [15.42 m]
Armatura u gredama: max Asw= 1.55 cm²
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm

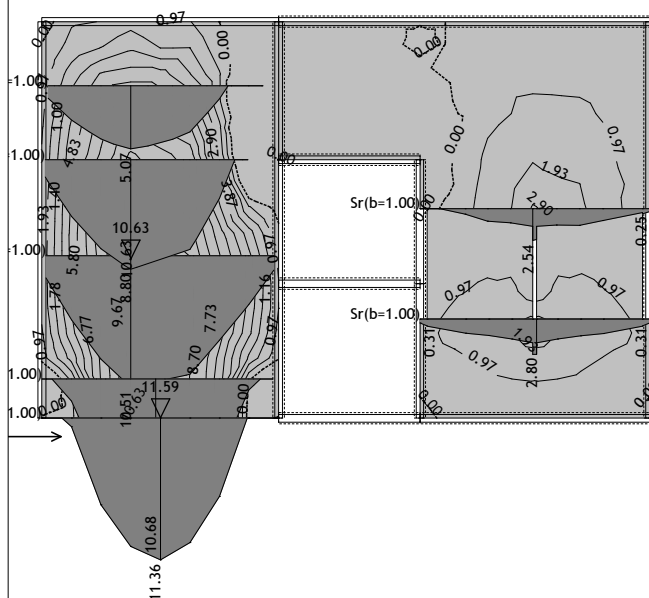


Nivo: ETAŽA -100 [-2.56 m]
Aa - d.zona - Pravac 2 - max Aa2,d= 1.16 cm²/m

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm

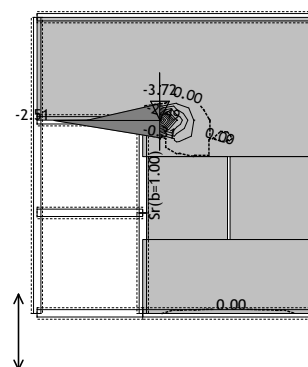


Nivo: ETAŽA -100 [-2.56 m]
Aa - g.zona - Pravac 1 - max Aa1,g= -6.96 cm²/m
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=4.50 cm

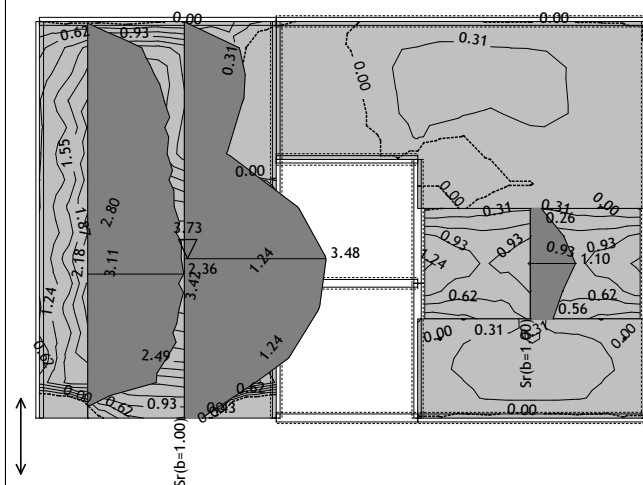


Nivo: ETAŽA -500 [-12.88 m]
Aa - d.zona - Pravac 1 - max Aa1,d= 11.59 cm²/m

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm

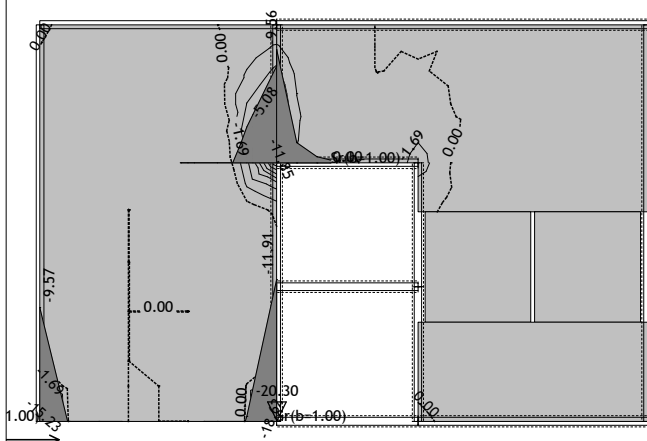


Nivo: ETAŽA -100 [-2.56 m]
Aa - g.zona - Pravac 2 - max Aa2,g= -3.72 cm²/m
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=4.50 cm

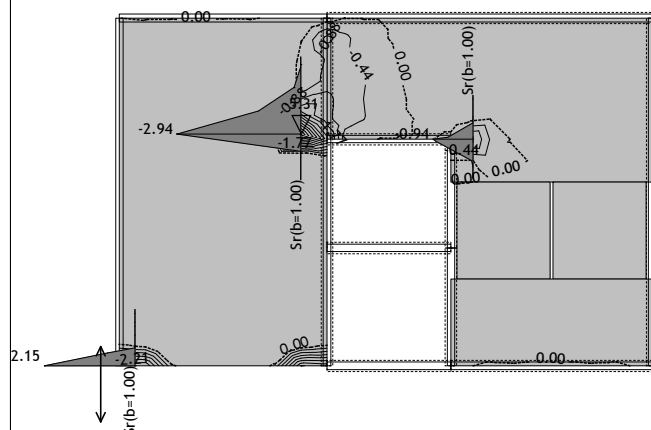


Nivo: ETAŽA -500 [-12.88 m]
Aa - d.zona - Pravac 2 - max Aa2,d= 3.73 cm²/m

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



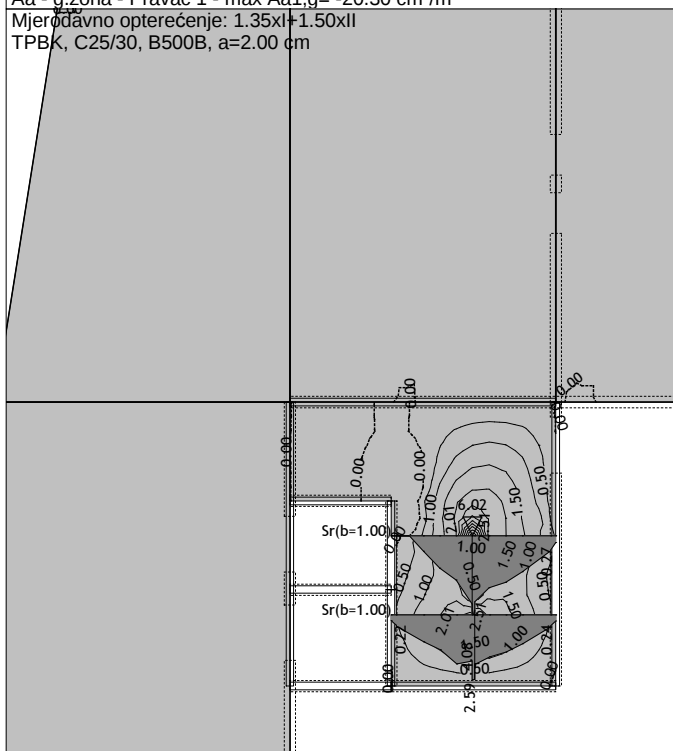
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=4.50 cm



Nivo: ETAŽA -500 [-12.88 m]

Aa - g.zona - Pravac 1 - max Aa1,g= -20.30 cm²/m

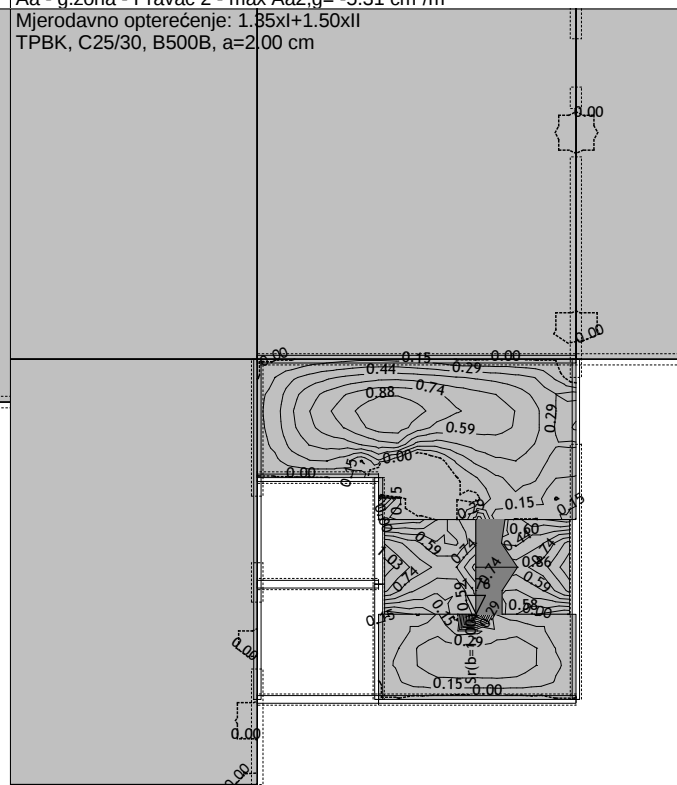
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm



Nivo: ETAŽA -500 [-12.88 m]

Aa - g.zona - Pravac 2 - max Aa2,g= -5.31 cm²/m

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm



Nivo: TEMELJI [0.00 m]

Aa - d.zona - Pravac 1 - max Aa1,d= 6.02 cm²/m

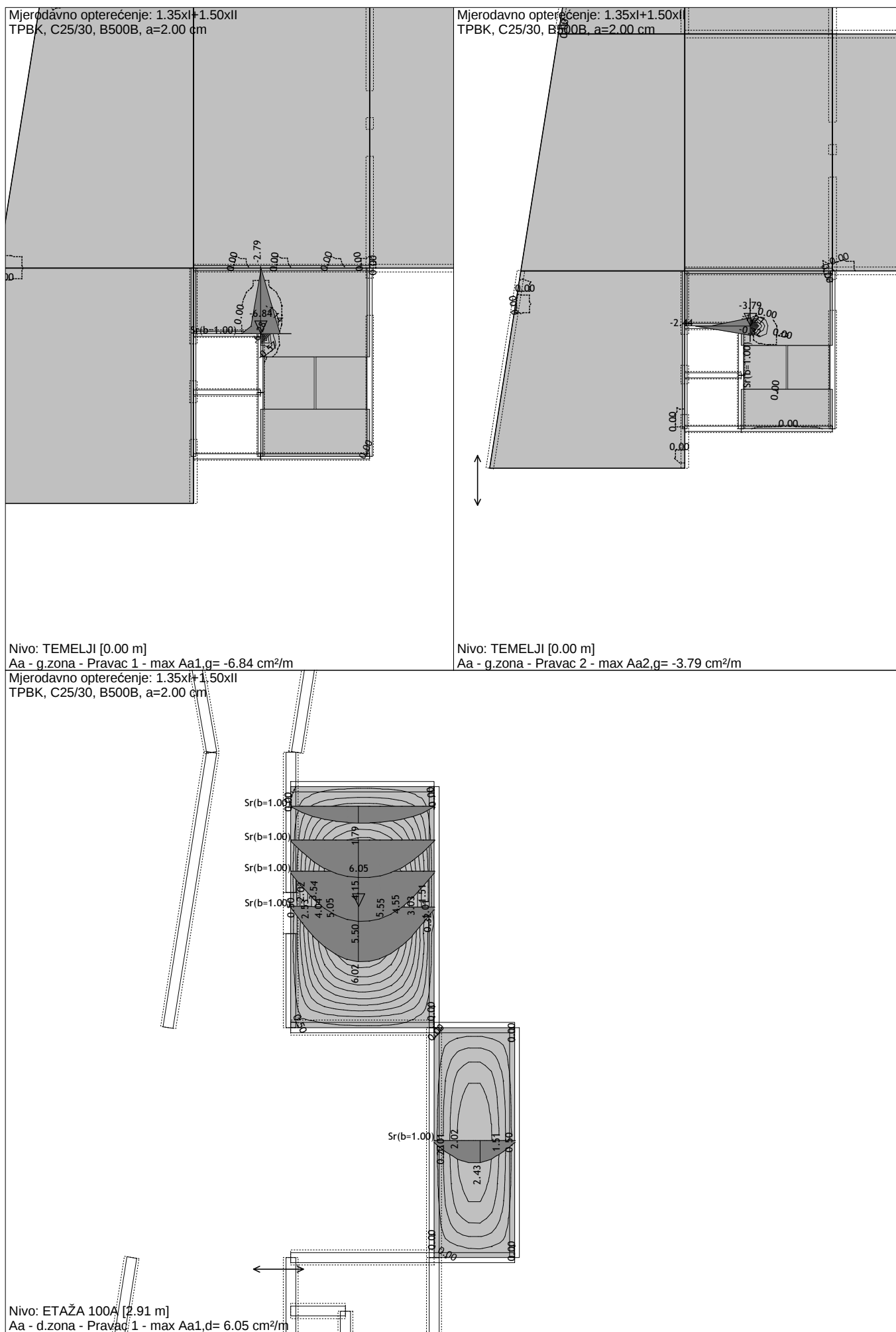
Tower - 3D Model Builder 7.0

Nivo: TEMELJI [0.00 m]

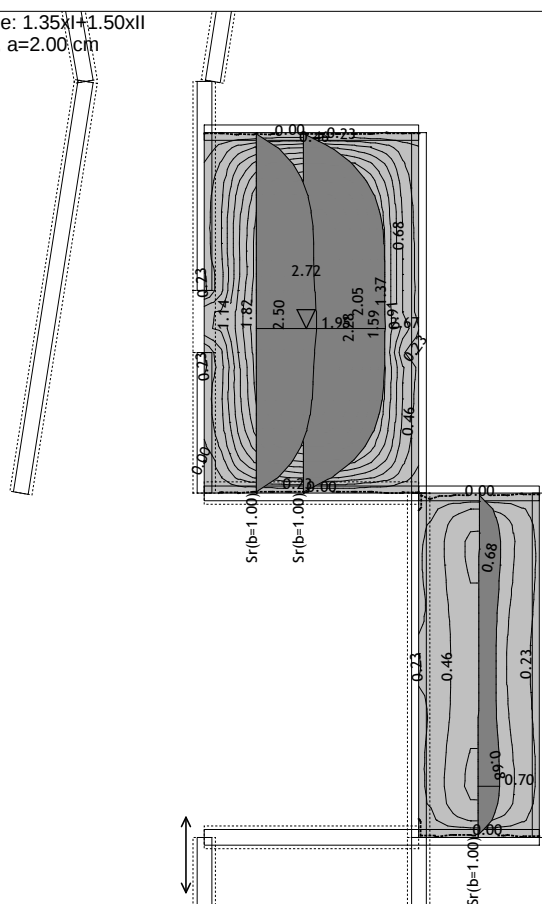
Aa - d.zona - Pravac 2 - max Aa2,d= 1.76 cm²/m

Registered to Canosa inženjering d.o.o.

Radimpex - www.radimpex.rs



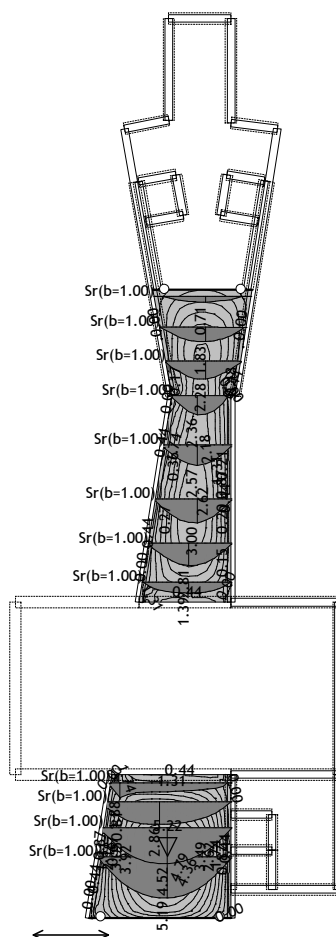
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm



Nivo: ETAŽA 100A [2.91 m]

Aa - d.zona - Pramac 2 - max Aa2,d= 2.72 cm²/m

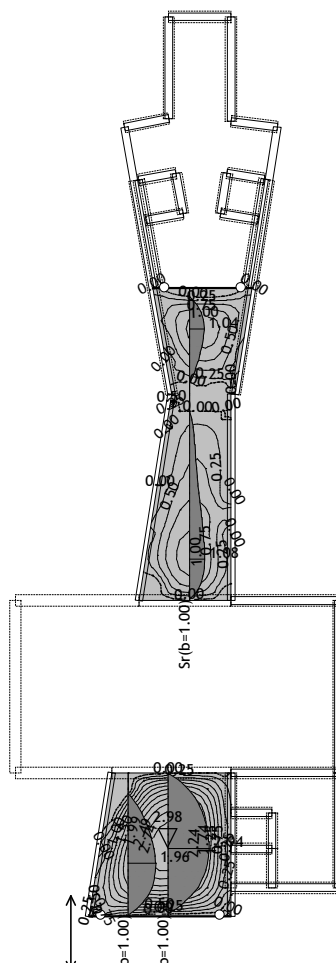
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm



Nivo: ETAŽA 100B [3.21 m]

Aa - d.zona - Pramac 1 - max Aa1,d= 5.22 cm²/m

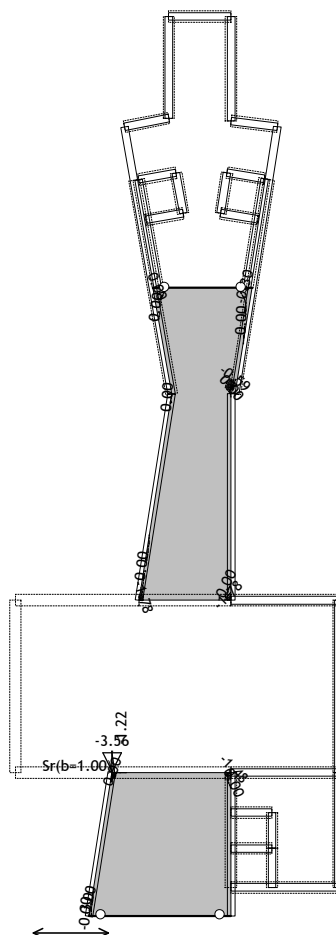
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm



Nivo: ETAŽA 100B [3.21 m]

Aa - d.zona - Pravac 2 - max Aa_d= 2.98 cm²/m

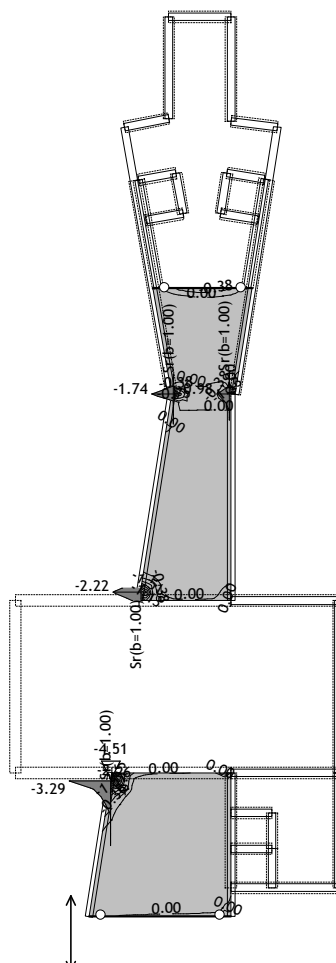
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm



Nivo: ETAŽA 100B [3.21 m]

Aa - g.zona - Pravac 1 - max Aa_g= -3.56 cm²/m

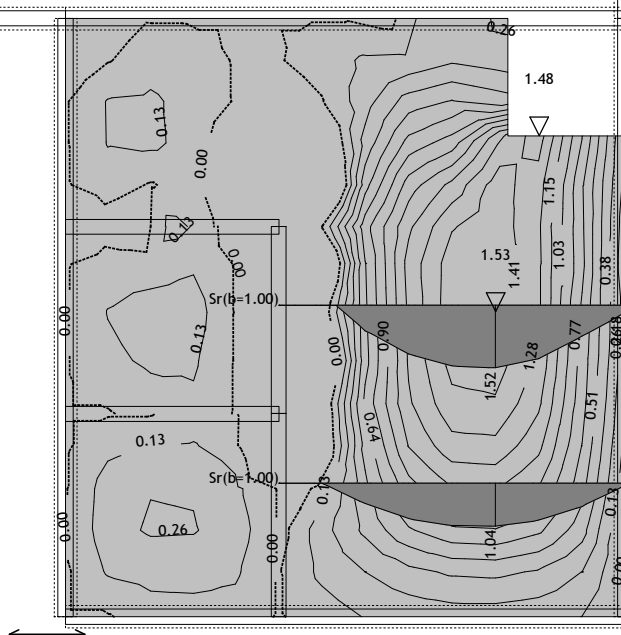
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm



Nivo: ETAŽA 100B [3.21 m]

Aa - g.zona - Pravac 2 - max Aa_{2,g} = -4.51 cm²/m

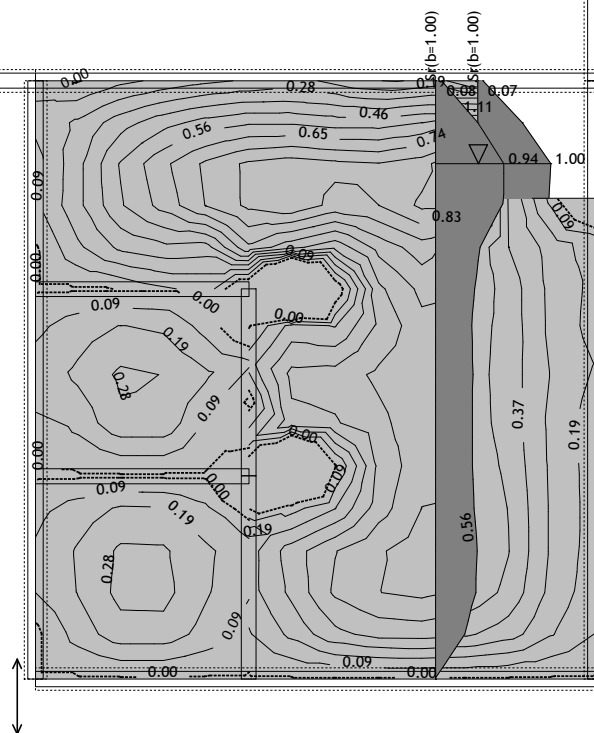
Mjerodavno opterećenje: $1.35xI + 1.50xII$
TPBK, C25/30, B500B, $a=2.00$ cm



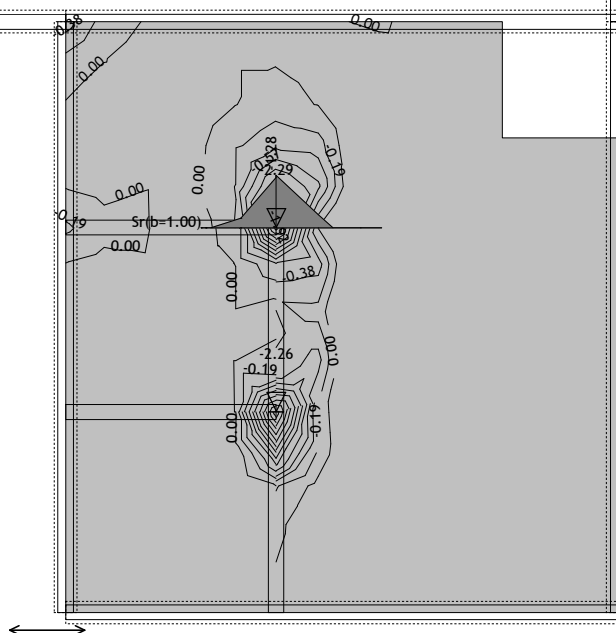
Nivo: ETAŽA 100C [3.91 m]

Aa - d.zona - Pravac 1 - max Aa1,d= 1.53 cm²/m

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm

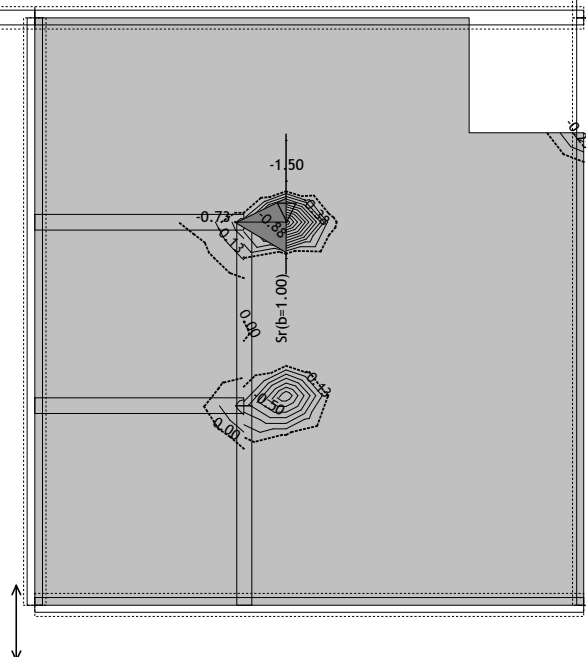


Nivo: ETAŽA 100C [3.91 m]
 Aa - d.zona - Pravac 2 - max Aa2,d= 1.11 cm²/m
 Mjerodavno opterećenje: 1.35xI+1.50xII
 TPBK, C25/30, B500B, a=2.00 cm

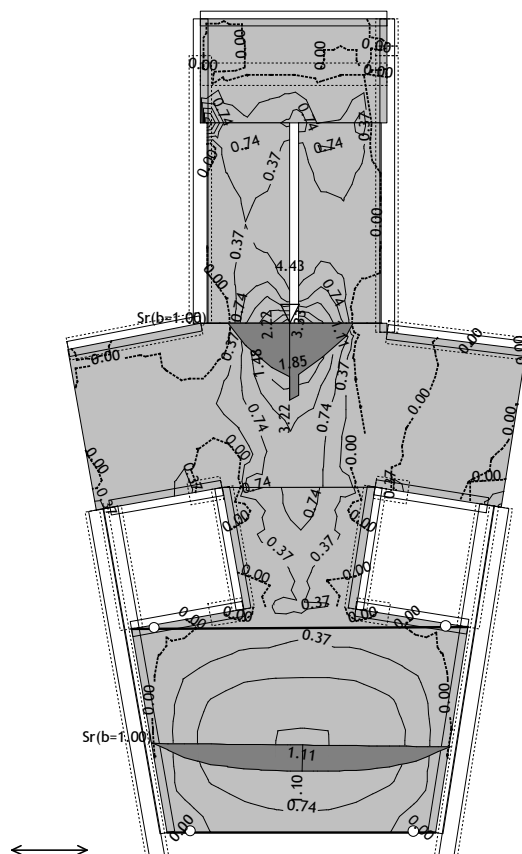


Nivo: ETAŽA 100C [3.91 m]
Aa - g.zona - Pravic 1 - max Aa1,g = -2.29 cm²/m

Mjerodavno opterećenje: $1.35 \times I + 1.50 \times II$
TPBK, C25/30, B500B, $a=2.00$ cm

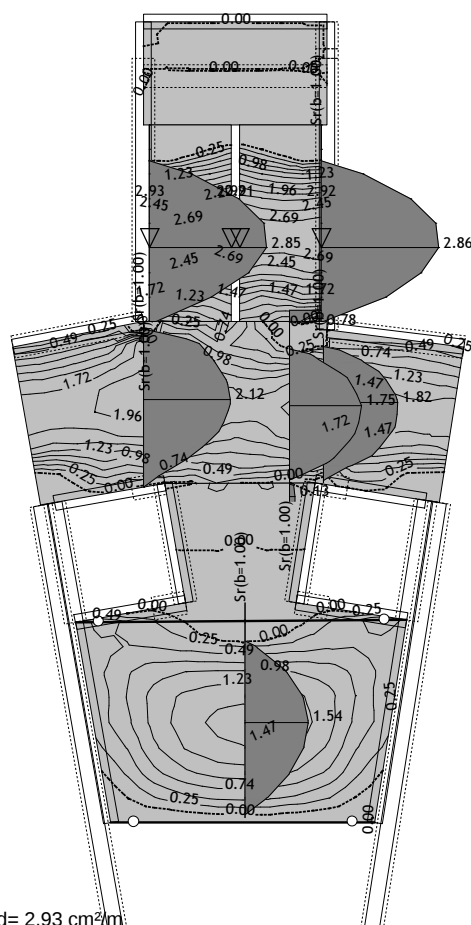


Nivo: ETAŽA 100C [3.91 m]
Aa - g.zona - Pravac 2 - max Aa2,g= -1.50 cm²/m
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm

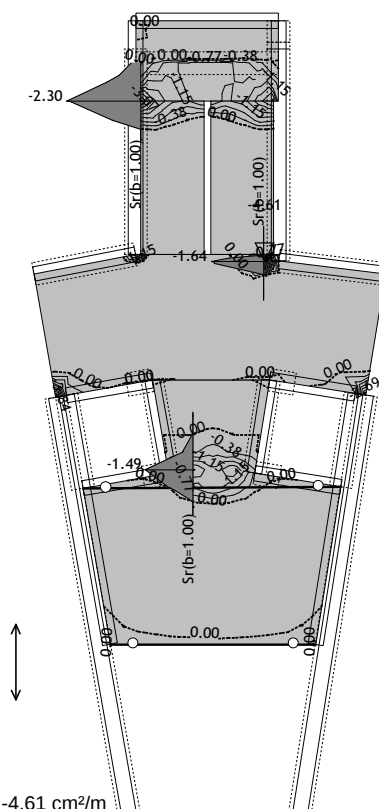


Nivo: ETAŽA 100D [5.34 m]
Aa - d.zona - Pravac 1 - max Aa1,d= 4.43 cm²/m

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm



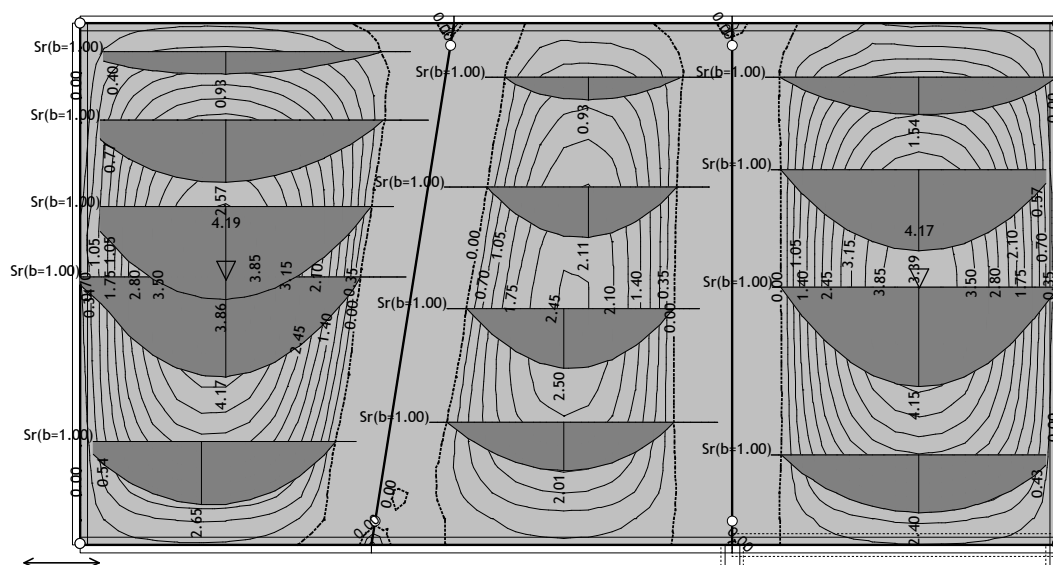
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm



Nivo: ETAŽA 100D [5.34 m]

Aa - g.zona - Pravac 2 - max Aa2,g= -4.61 cm²/m

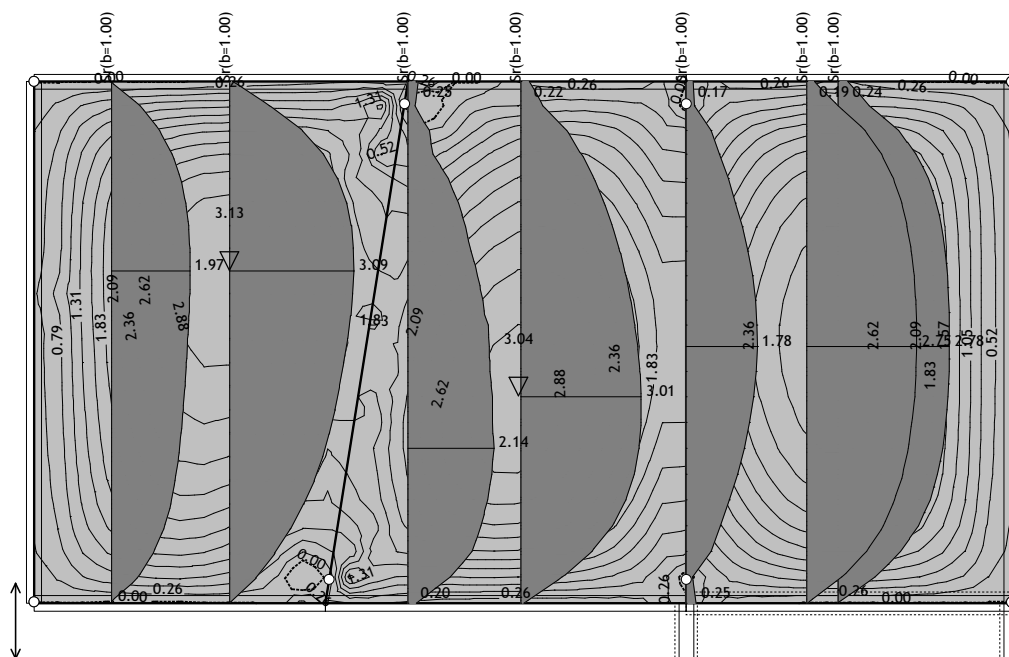
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm



Nivo: ETAŽA 100E [5.71 m]

Aa - d.zona - Pravac 1 - max Aa1,d= 4.19 cm²/m

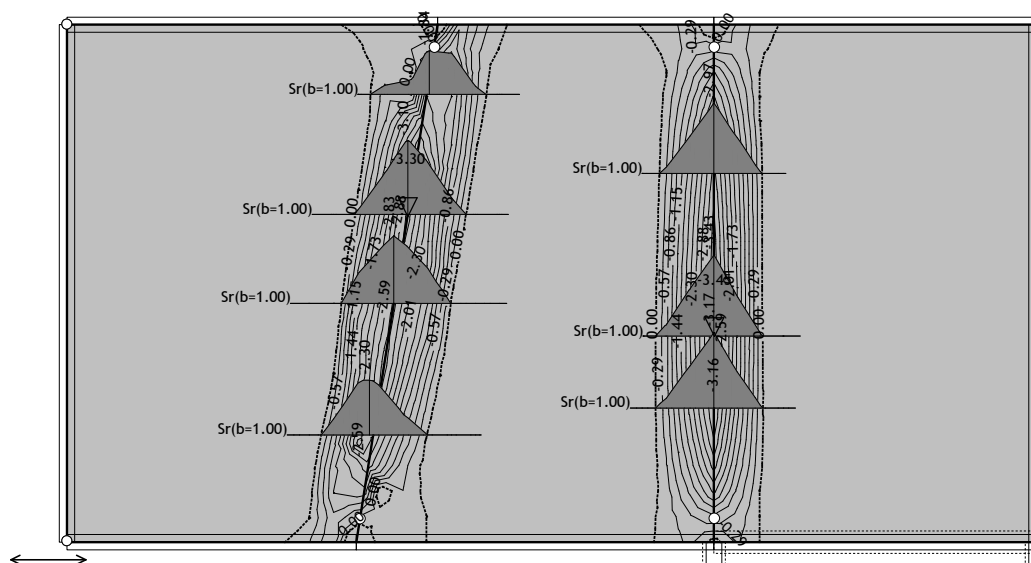
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm



Nivo: ETAŽA 100E [5.71 m]

Aa - d.zona - Pravac 2 - max Aa_{2,d} = 3.13 cm²/m

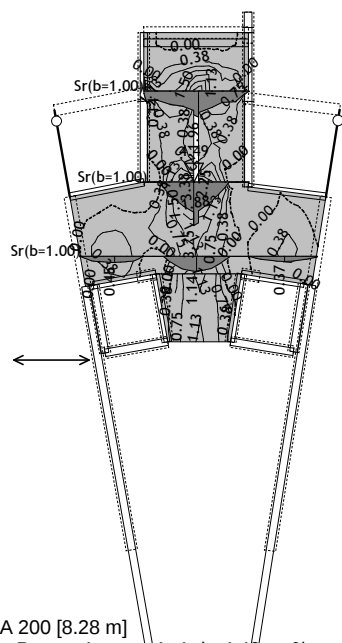
Mjerodavno opterećenje: $1.35xI + 1.50xII$

TPBK, C25/30, B500B, $\alpha=2.00$ cm

Nivo: ETAŽA 100E [5.71 m]

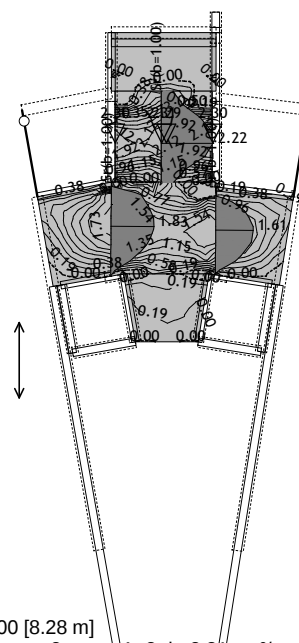
Aa - g.zona - Pravac 1 - max Aa1,g= -3.45 cm²/m

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm

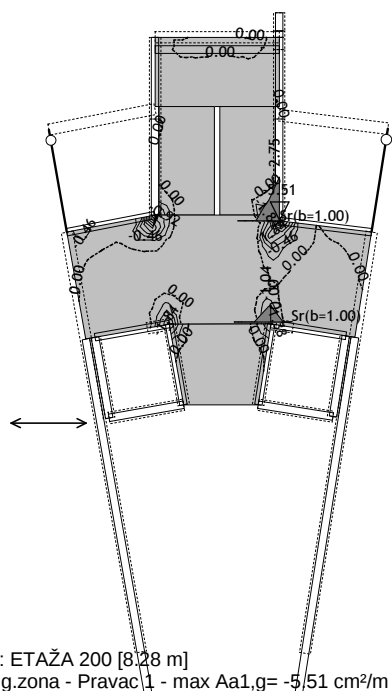


Nivo: ETAŽA 200 [8.28 m]
Aa - d.zona - Pravac 1 - max Aa1,d= 4.49 cm²/m
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm

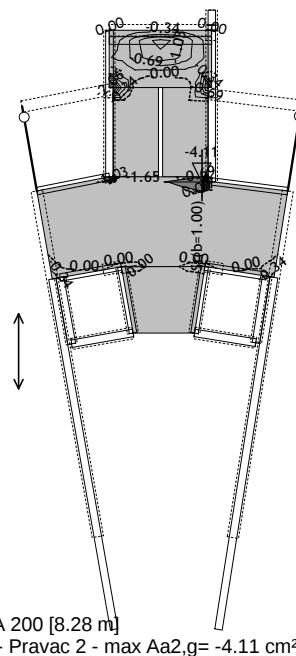
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm



Nivo: ETAŽA 200 [8.28 m]
Aa - d.zona - Pravac 2 - max Aa2,d= 2.31 cm²/m
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm

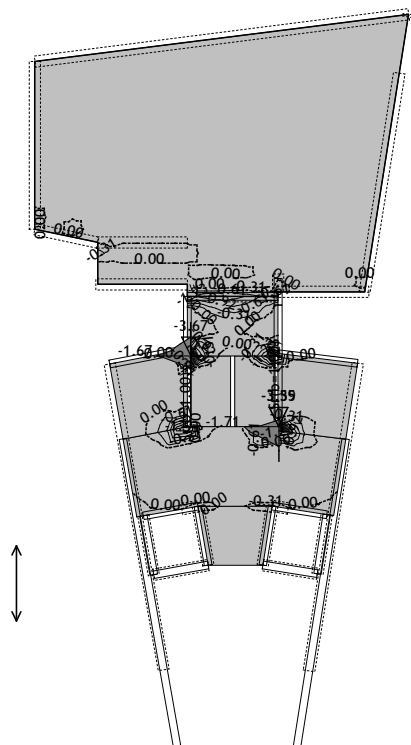


Nivo: ETAŽA 200 [8.28 m]
Aa - g.zona - Pravac 1 - max Aa1,g= -5.51 cm²/m

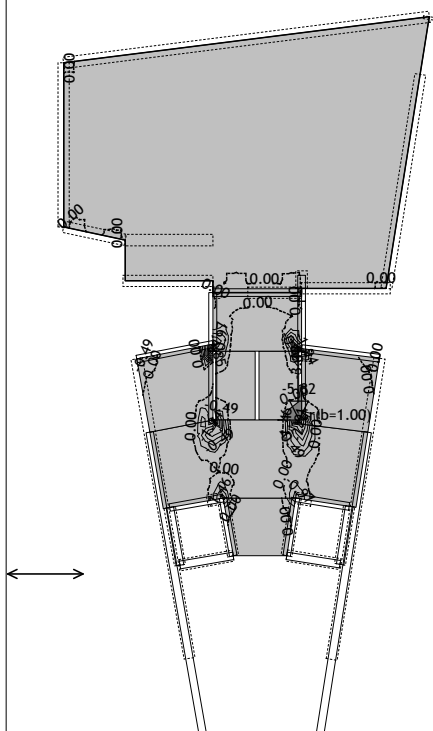


Nivo: ETAŽA 200 [8.28 m]
Aa - g.zona - Pravac 2 - max Aa2,g= -4.11 cm²/m

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm

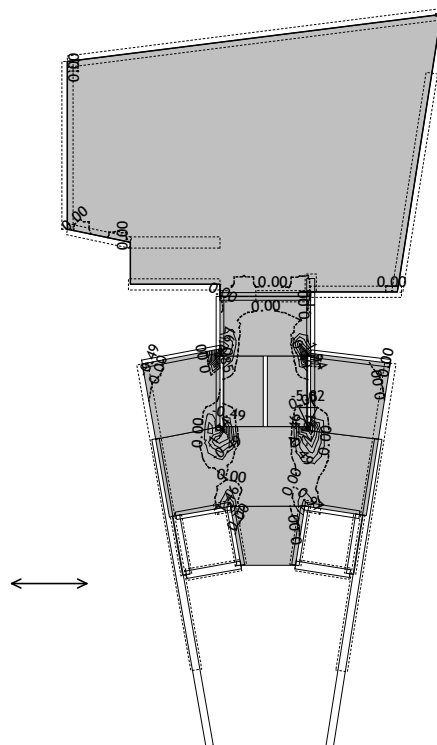


Nivo: ETAŽA 300 [11.28 m]
Aa - g.zona - Pravac 2 - max Aa2,g= -3.67 cm²/m
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm

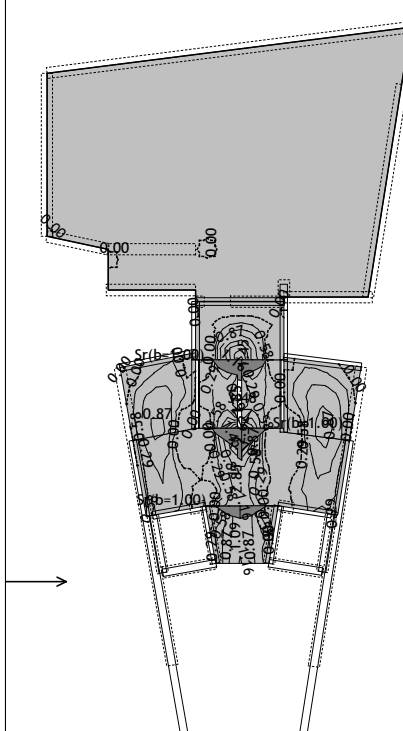


Nivo: ETAŽA 300 [11.28 m]
Aa - g.zona - Pravic 1 - max Aa1,g= -5.82 cm²/m

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm

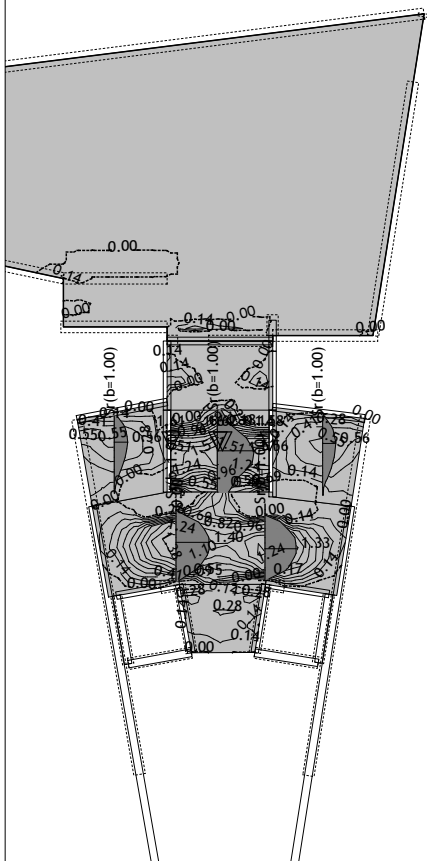


Nivo: ETAŽA 300 [11.28 m]
 Aa - g.zona - Pravac 1 - max Aa1,g= -5.82 cm²/m
 Mjerodavno opterećenje: 1.35xI+1.50xII
 TPBK, C25/30, B500B, a=2.00 cm

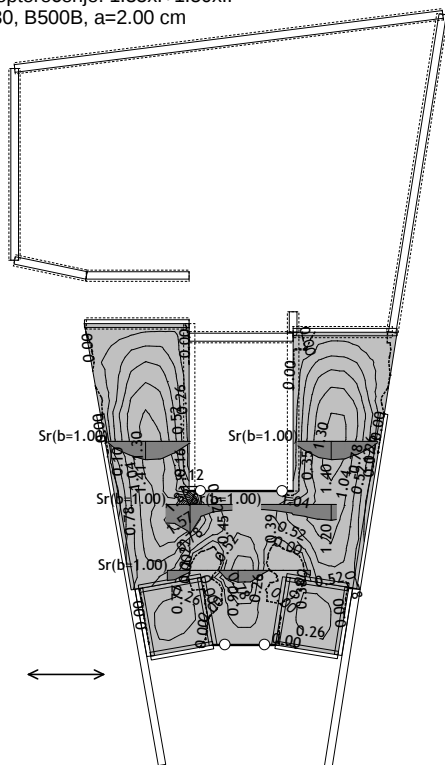


Nivo: ETAŽA 300 [11.28 m]
Aa - d.zona - Pravac 1 - max Aa1,d= 3.48 cm²/m

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm

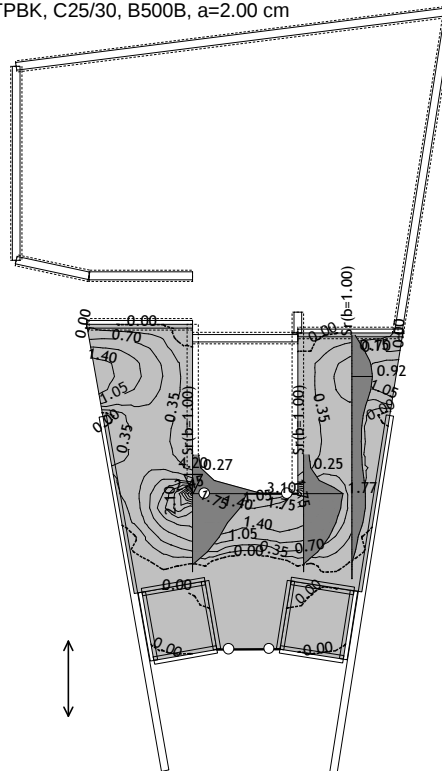


Nivo: ETAŽA 300 [11.28 m]
Aa - d.zona - Pravac 2 - max Aa2,d= 1.64 cm²/m
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm

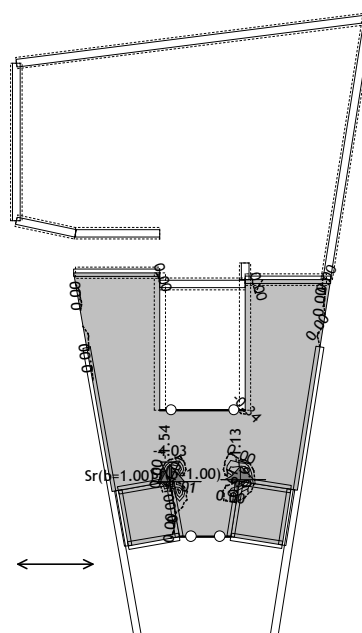


Nivo: ETAŽA 400 [14.00 m]
Aa - d.zona - Pravac 1 - max Aa1,d= 3.12 cm²/m

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm

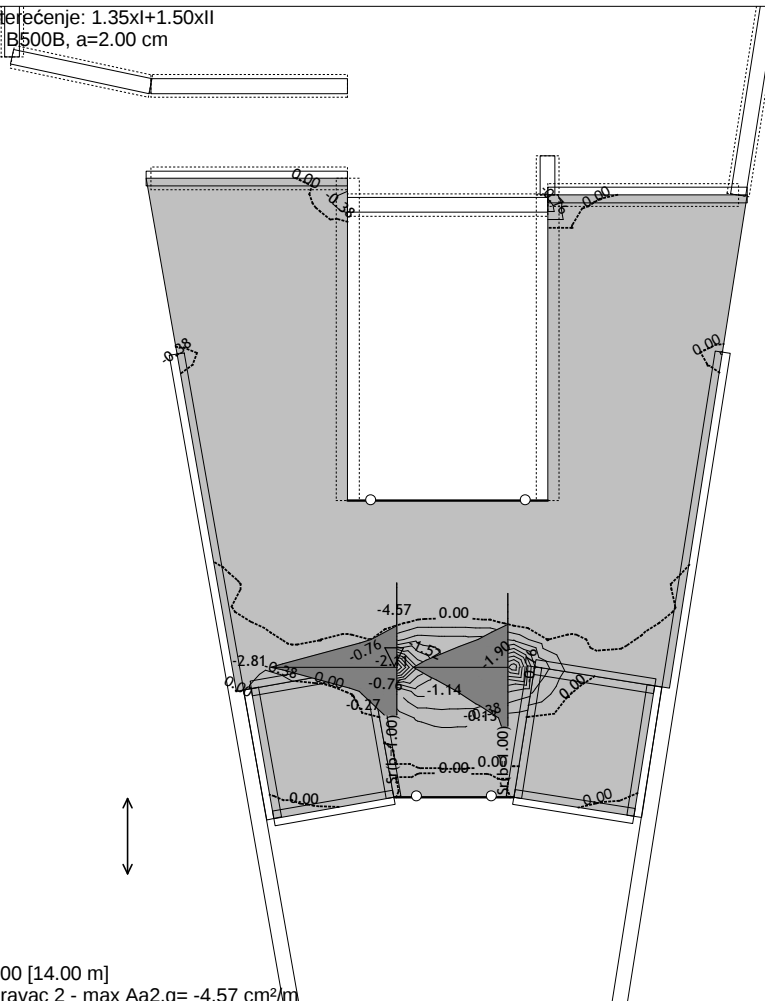


Nivo: ETAŽA 400 [14.00 m]
Aa - d.zona - Pravac 2 - max Aa2,d= 4.20 cm²/m
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm



Nivo: ETAŽA 400 [14.00 m]
Aa - g.zona - Pravac 1 - max Aa1,g= -4.03 cm²/m

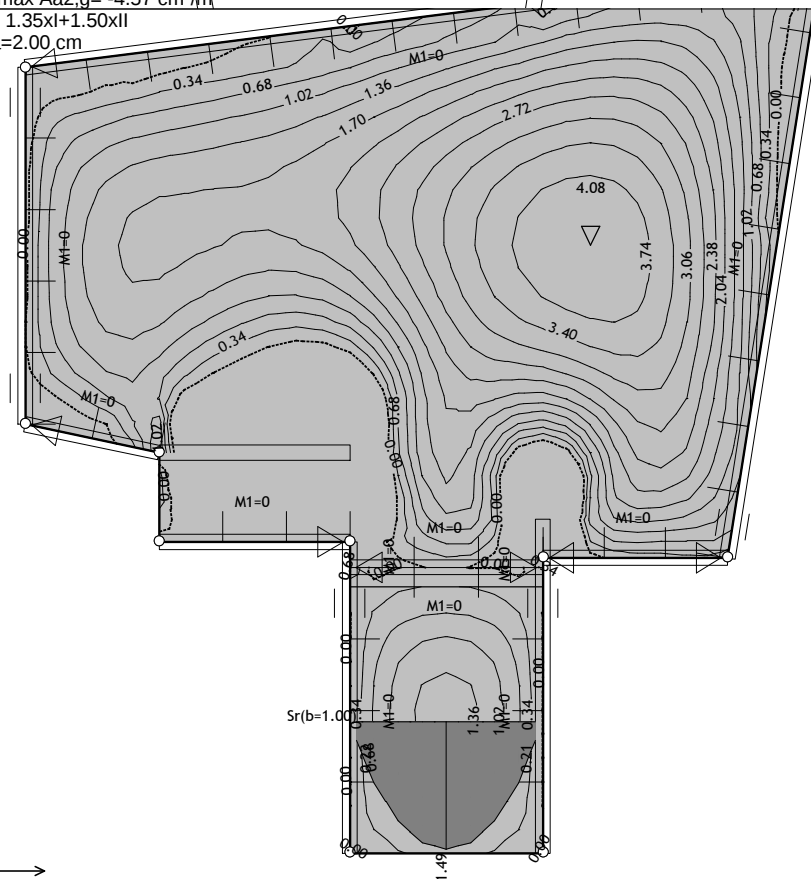
Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm



Nivo: ETAŽA 400 [14.00 m]

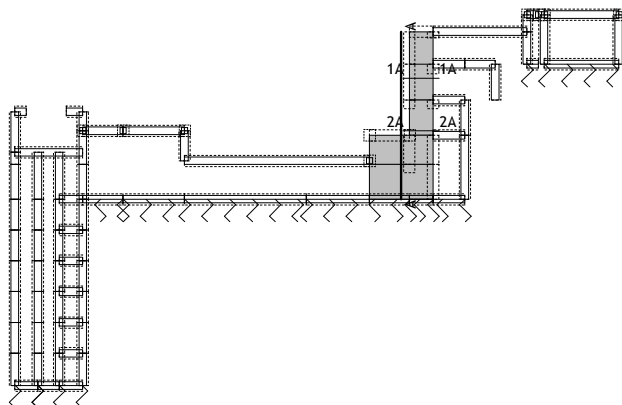
Aa - g.zona - Pravac 2 - max Aa2,g= -4.57 cm²/m

Mjerodavno opterećenje: 1.35xI+1.50xII
TPBK, C25/30, B500B, a=2.00 cm



Nivo: ETAŽA 500 [15.42 m]

Aa - d.zona - Pravac 1 - max Aa1,d= 4.08 cm²/m



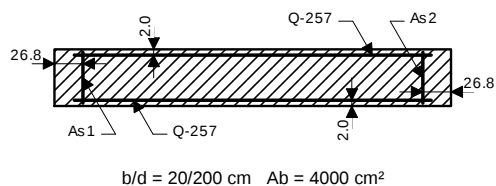
Okvir: K_9
Dispozicija presjeka

Okvir: K_9

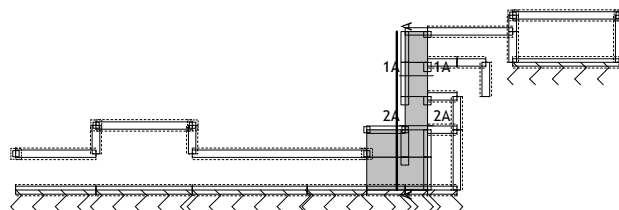
TPBK
C 30
Kutna armatura B500B
Uzdužna armatura B500B
Kompletna shema opterećenja

Presjek 1A - 1A (Z=10.11m)

Mjerodavni presjek za savijanje



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



Okvir: K_6
Dispozicija presjeka

Msd = -54.26 kNm
Nsd = -19.41 kN
Vsd = 22.87 kN

$\epsilon_b/\epsilon_a = -0.742/25.000 \text{ ‰}$
As1 = 0.00 cm² (min:6.00)
As2 = 0.00 cm² (min:6.00)
Aav = $\pm 0.28 \text{ cm}^2/\text{m}$ (min: ± 1.50)
Aah = $\pm 0.14 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm Q-257$)

Presjek 2A - 2A (Z=5.71m)

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

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

Msd = 57.75 kNm
Nsd = -347.99 kN
Vsd = 45.37 kN

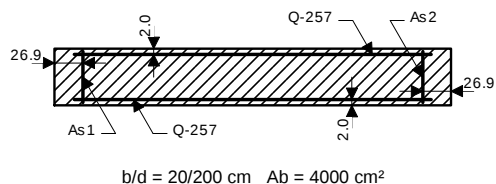
As1 = 0.00 cm² (min:6.00)
As2 = 0.00 cm² (min:6.00)
Aav = $\pm 0.00 \text{ cm}^2/\text{m}$ (min: ± 1.50)
Aah = $\pm 0.29 \text{ cm}^2/\text{m}$ (min: ± 2.00) (odab: $\pm Q-257$)

Okvir: K_6

TPBK
C25/30
Kutna armatura B500B
Uzdužna armatura B500B
Kompletna shema opterećenja

Presjek 1A - 1A (Z=10.11m)

Mjerodavni presjek za savijanje

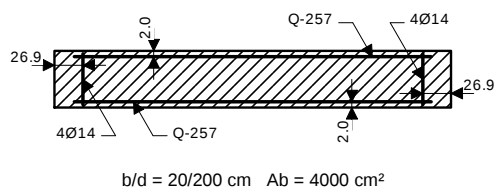


Mjerodavna kombinacija za savijanje: I+III
Mjerodavna kombinacija za posmik: I+0.30xII+III
Msd = -71.17 kNm
Nsd = -11.22 kN
Vsd = 34.76 kN

$\epsilon_b/\epsilon_a = -0.958/25.000 \text{ ‰}$

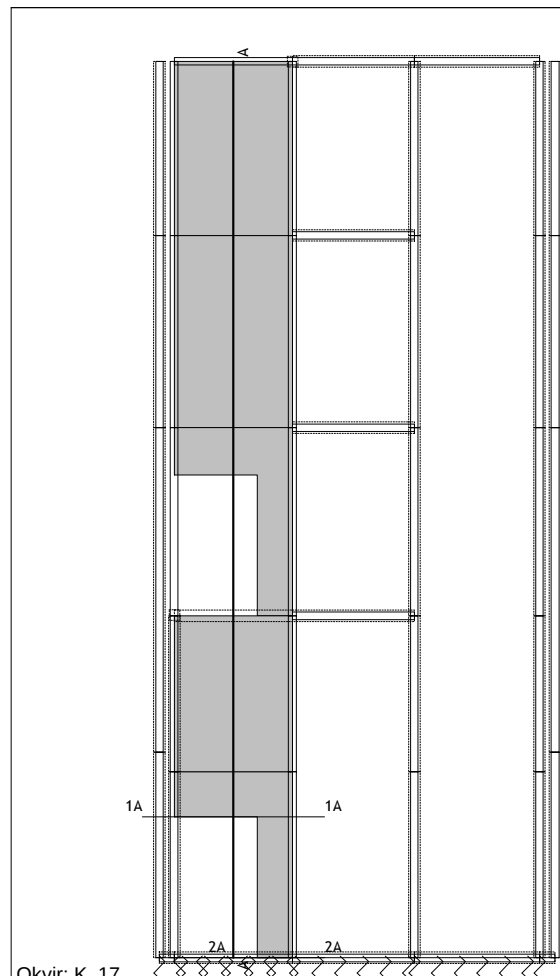
As1 = 0.00 cm² (min:6.00)
 As2 = 0.00 cm² (min:6.00)
 Aav = ±0.49 cm²/m (min:±1.50)
 Aah = ±0.22 cm²/m (min:±2.00) (odab:±Q-257)

Presjek 2A - 2A (Z=5.71m)
 Mjerodavni presjek za posmik



Mjerodavna kombinacija za savijanje: I+0.30xII-1.00xIII
 Mjerodavna kombinacija za posmik: I+0.30xII+III
 Msd = 68.01 kNm
 Nsd = -325.68 kN
 Vsd = 58.76 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:±1.50)
 Aah = ±0.37 cm²/m (min:±2.00) (odab:±Q-257)

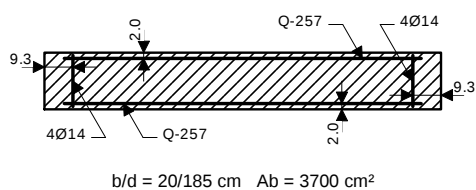


Okvir: K_17
 Dispozicija presjeka

Okvir: K_17

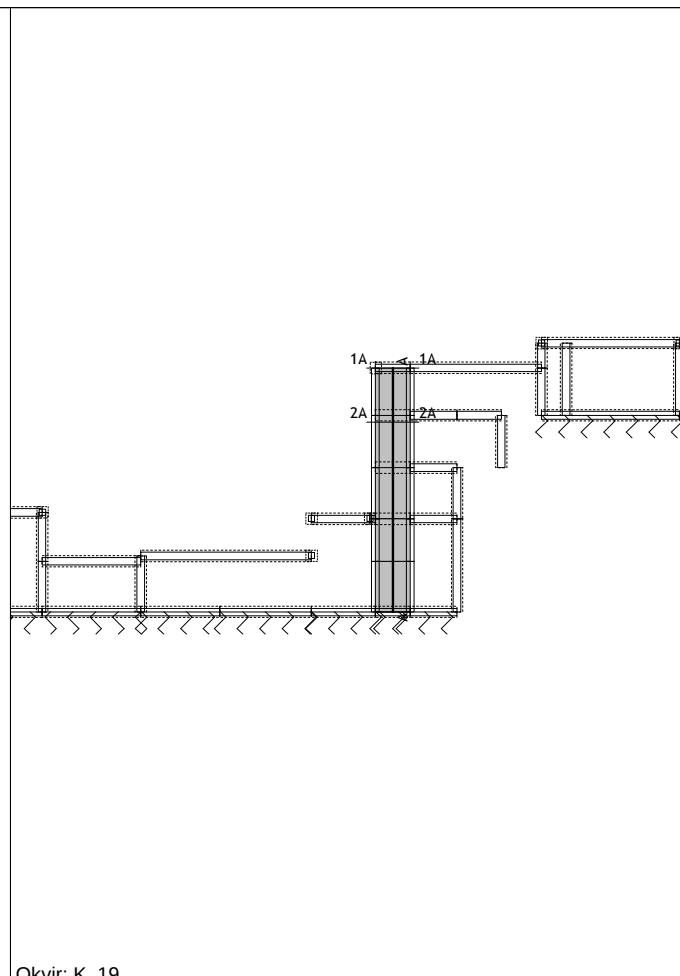
TPBK
 C25/30
 Kutna armatura B500B
 Uzdužna armatura B500B
 Kompletna shema opterećenja

Presjek 1A - 1A (Z=2.20m)
 Mjerodavni presjek za savijanje



Mjerodavna kombinacija za savijanje: I+III
 Mjerodavna kombinacija za posmik: I-1.00xIII
 Msd = -127.08 kNm
 Nsd = -33.56 kN
 Vsd = -111.15 kN

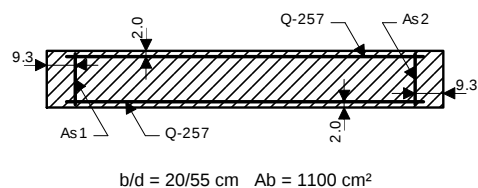
εb/εa = -1.379/25.000 %



Okvir: K_19
 Dispozicija presjeka

As1 = 0.00 cm² (min:5.55) (odab:4Ø14)
 As2 = 0.00 cm² (min:5.55) (odab:4Ø14)
 Aav = ±0.76 cm²/m (min:±1.50)
 Aah = ±0.76 cm²/m (min:±2.00) (odab:±Q-257)

Presjek 2A - 2A (Z=0.00m)
 Mjerodavni presjek za posmik



Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII
 Mjerodavna kombinacija za posmik: 1.35xI+1.50xII
 Msd = 1.74 kNm
 Nsd = -370.88 kN
 Vsd = 47.17 kN

CANOSA INŽENJERING d.o.o.	Investitor: HOTEL OSMINE d.o.o.	Strana: 52/55
Građevina: HOTEL OSMINE-REKONSTR, DOGRADNJA I NADOGRADNJA, zgrada A-2		Dbk., 15.12.2015.

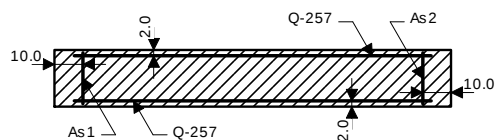
As1 = 0.00 cm² (min:1.65)
 As2 = 0.00 cm² (min:1.65)
 Aav = ±0.00 cm²/m (min:±1.50)
 Aah = ±1.08 cm²/m (min:±2.00) (odab:±Q-257)

Okvir: K 19

TPBK
 C25/30
 Kutna armatura B500B
 Uzdužna armatura B500B
 Kompletna shema opterećenja

Presjek 1A - 1A (Z=14.00m)

Mjerodavni presjek za savijanje



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

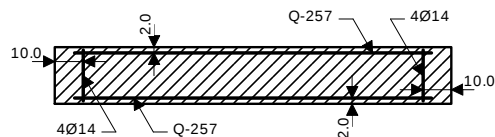
Mjerodavna kombinacija za savijanje: I+III
 Mjerodavna kombinacija za posmik: I+0.30xII+IV
 Msd = -73.81 kNm
 Nsd = -22.73 kN
 Vsd = 57.96 kN

$$\varepsilon_b/\varepsilon_a = -0.919/25.000 \text{ ‰}$$

As1 = 0.00 cm² (min:6.00)
 As2 = 0.00 cm² (min:6.00)
 Aav = ±0.34 cm²/m (min:±1.50)
 Aah = ±0.37 cm²/m (min:±2.00) (odab:±Q-257)

Presjek 2A - 2A (Z=10.88m)

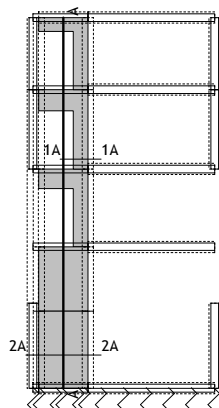
Mjerodavni presjek za posmik



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

Mjerodavna kombinacija za savijanje: I+IV
 Mjerodavna kombinacija za posmik: I+0.30xII+III
 Msd = -69.30 kNm
 Nsd = -66.91 kN
 Vsd = 69.40 kN

$\varepsilon_b/\varepsilon_a = -0.895/25.000 \text{ ‰}$
 As1 = 0.00 cm² (min:6.00) (odab:4Ø14)
 As2 = 0.00 cm² (min:6.00) (odab:4Ø14)
 Aav = ±0.03 cm²/m (min:±1.50)
 Aah = ±0.44 cm²/m (min:±2.00) (odab:±Q-257)

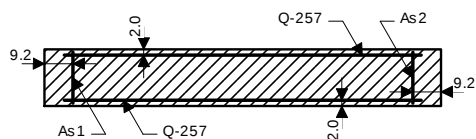


Okvir: K_18
Dispozicija presjeka

Okvir: K_18

TPBK
C25/30
Kutna armatura B500B
Uzdužna armatura B500B
Kompletna shema opterećenja

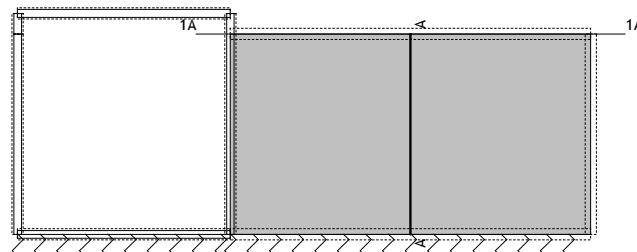
Presjek 1A - 1A (Z=8.65m)
Mjerodavni presjek za savijanje



$$b/d = 20/55 \text{ cm} \quad A_b = 1100 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+0.30xII+III
Mjerodavna kombinacija za posmik: I-1.00xIII
Msd = 14.46 kNm
Nsd = 12.12 kN
Vsd = -22.91 kN

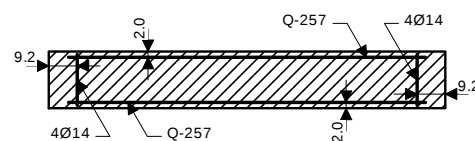
$$\epsilon_b/\epsilon_a = -1.800/25.000 \%$$



Okvir: H_6
Dispozicija presjeka

As1 = 0.00 cm² (min:1.65)
As2 = 0.00 cm² (min:1.65)
Aav = ±2.11 cm²/m (min:±1.50)
Aah = ±0.53 cm²/m (min:±2.00) (odab:±Q-257)

Presjek 2A - 2A (Z=1.25m)
Mjerodavni presjek za posmik



$$b/d = 20/185 \text{ cm} \quad A_b = 3700 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: 1.35xI+1.50xII
Mjerodavna kombinacija za posmik: I+0.30xII-1.00xIII
Msd = -87.08 kNm
Nsd = -302.34 kN
Vsd = -108.55 kN

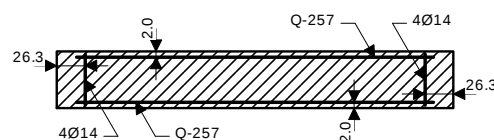
As1 = 0.00 cm² (min:5.55) (odab:4Ø14)
As2 = 0.00 cm² (min:5.55) (odab:4Ø14)
Aav = ±0.00 cm²/m (min:±1.50)
Aah = ±0.74 cm²/m (min:±2.00) (odab:±Q-257)

Okvir: H_6

TPBK
C25/30
Kutna armatura B500B
Uzdužna armatura B500B

Kompletna shema opterećenja

Presjek 1A - 1A (Z=2.91m)
Mjerodavni presjek za savijanje i posmik



$$b/d = 20/525 \text{ cm} \quad A_b = 10500 \text{ cm}^2$$

Mjerodavna kombinacija za savijanje: I+III
 Mjerodavna kombinacija za posmik: I+0.30II+III
 Msd = -283.29 kNm
 Nsd = 56.86 kN
 Vsd = 405.83 kN

$\varepsilon_b/\varepsilon_a = -0.660/25.000 \text{ ‰}$

As1 = 0.00 cm²

(min:15.75)

(odab:4Ø14)

As2 = 0.00 cm²

(min:15.75)

(odab:4Ø14)

Aav = ±0.41 cm²/m

(min:±1.50)

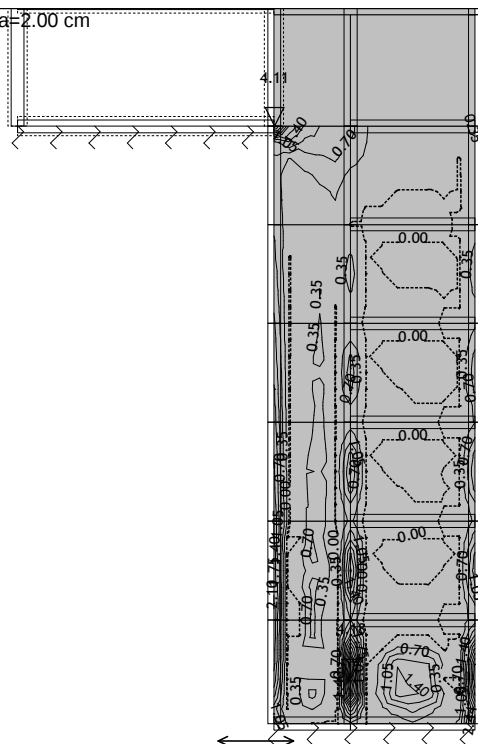
(odab:±Q-257)

Aah = ±0.98 cm²/m

(min:±2.00)

(odab:±Q-257)

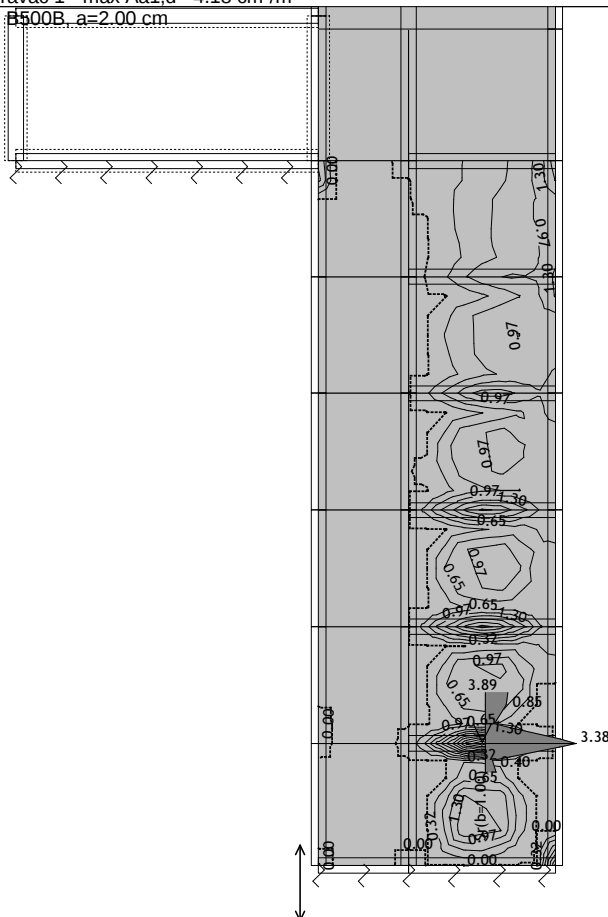
TPBK, C25/30, B500B, a=2.00 cm



Okvir: H_1

Aa - d.zona - Pravac 1 - max Aa1,d= 4.18 cm²/m

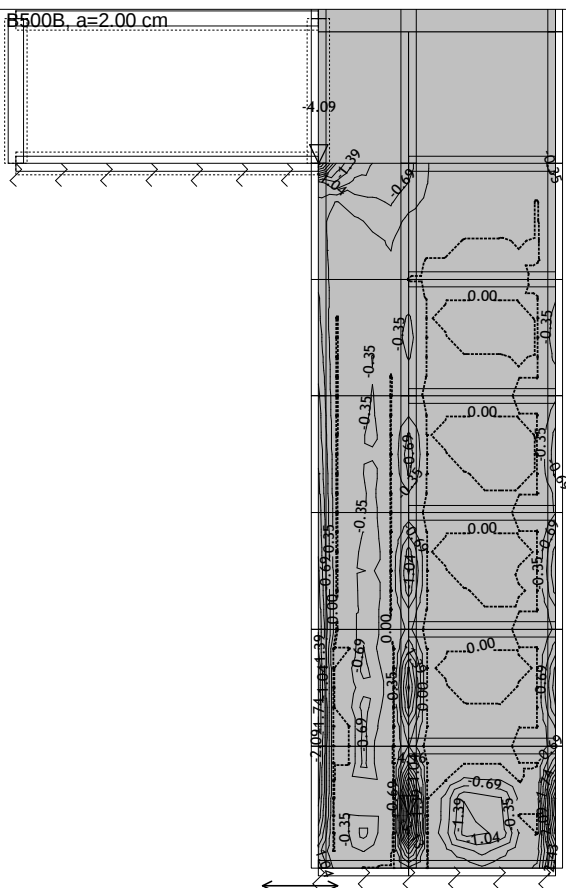
TPBK, C25/30, B500B, a=2.00 cm



Okvir: H_1

Aa - d.zona - Pravac 2 - max Aa2,d= 3.89 cm²/m

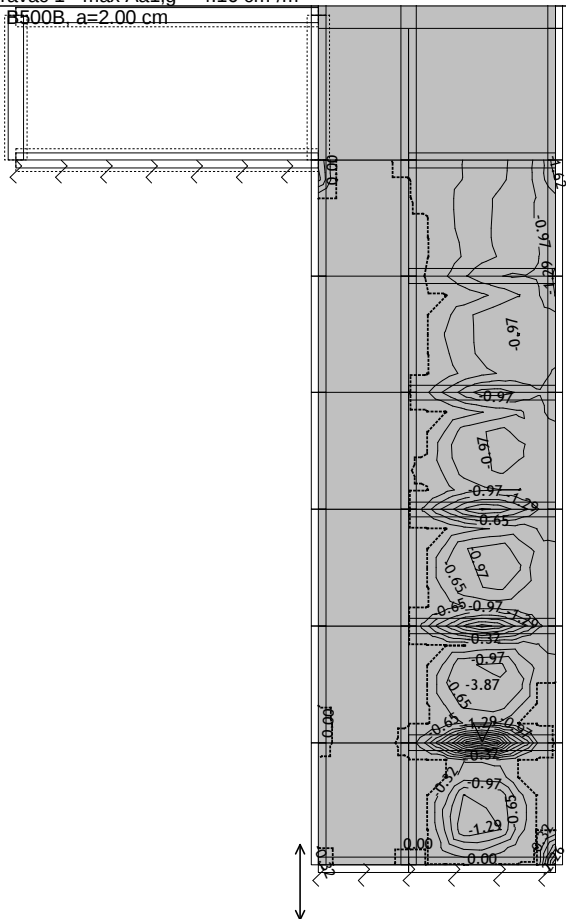
TPBK, C25/30, B500B, a=2.00 cm



Okvir: H_1

Aa - g.zona - Pravac 1 - max Aa1,g= -4.16 cm²/m

TPBK, C25/30, B500B, a=2.00 cm



Okvir: H_1

Aa - g.zona - Pravac 2 - max Aa2,g= -3.87 cm²/m