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Vhodni podatki - Konstrukcija

Shema nivojev

	Naziv	z [m]	h [m]
NAD NADSTROPJEM		7.37	3.72
NAD PRITLIČJEM		3.65	3.74

	Naziv	z [m]	h [m]
NAD KLETJO		-0.09	3.93
TEMELJNA PLOŠĆA		-4.02	

Tabele materialov

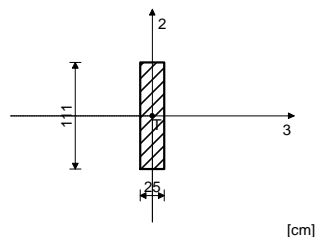
No	Naziv materiala	E[kN/m ²]	μ	γ [kN/m ³]	α [1/C]	Em[kN/m ²]	μ_m
1	Beton MB 30	3.150e+7	0.20	25.00	1.000e-5	3.150e+7	0.20

Seti plošč

No	d[m]	e[m]	Material	Tip preračuna	Ortotropija	E2[kN/m ²]	G[kN/m ²]	α
<1>	0.400	0.200	1	Debela plošča	Izotropna			
<2>	0.250	0.125	1	Tanka plošča	Izotropna			
<3>	0.200	0.100	1	Tanka plošča	Izotropna			

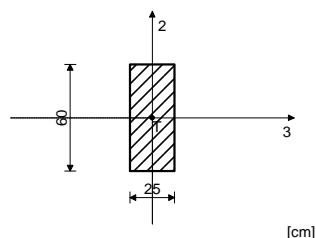
Seti gred

Set: 1 Prerez: b/d=25/111, Fiktivna ekscentričnost



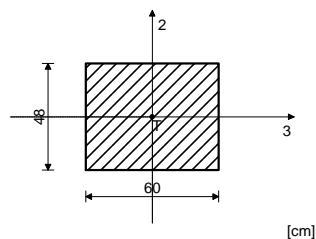
Mat.	A1	A2	A3	I1	I2	I3
1 - Beton MB 30	2.775e-1	2.313e-1	2.313e-1	4.961e-3	1.445e-3	2.849e-2

Set: 2 Prerez: b/d=25/60, Fiktivna ekscentričnost



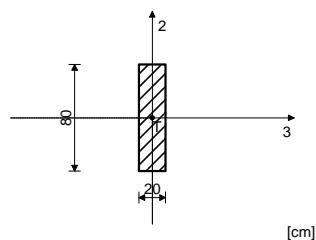
Mat.	A1	A2	A3	I1	I2	I3
1 - Beton MB 30	1.500e-1	1.250e-1	1.250e-1	2.307e-3	7.812e-4	4.500e-3

Set: 3 Prerez: b/d=60/48, Fiktivna ekscentričnost



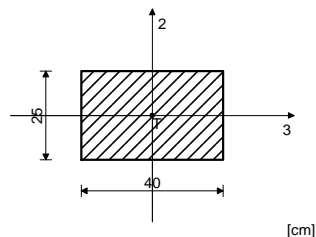
Mat.	A1	A2	A3	I1	I2	I3
1 - Beton MB 30	2.880e-1	2.400e-1	2.400e-1	1.135e-2	8.640e-3	5.530e-3

Set: 4 Prerez: b/d=20/80, Fiktivna ekscentričnost



Mat.	A1	A2	A3	I1	I2	I3
1 - Beton MB 30	1.600e-1	1.333e-1	1.333e-1	1.797e-3	5.333e-4	8.533e-3

Set: 5 Prerez: b/d=40/25, Fiktivna ekscentričnost



Mat.	A1	A2	A3	I1	I2	I3
1 - Beton MB 30	1.000e-1	8.333e-2	8.333e-2	1.273e-3	1.333e-3	5.208e-4

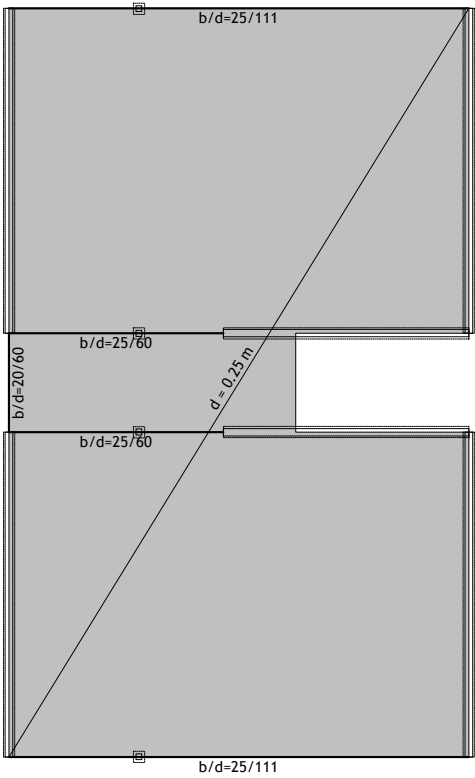
Set: 6 Prerez: b/d=20/60, Fiktivna ekscentričnost

Mat.	A1	A2	A3	I1	I2	I3
1 - Beton MB 30	1.200e-1	1.000e-1	1.000e-1	1.264e-3	4.000e-4	3.600e-3

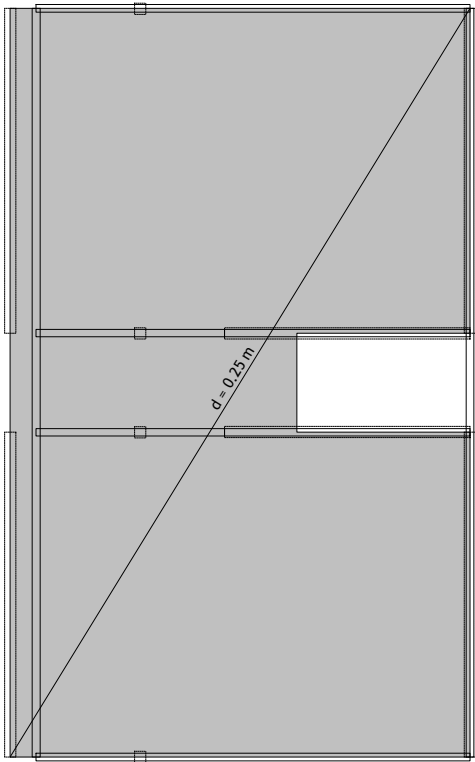
[cm]

Izometrija

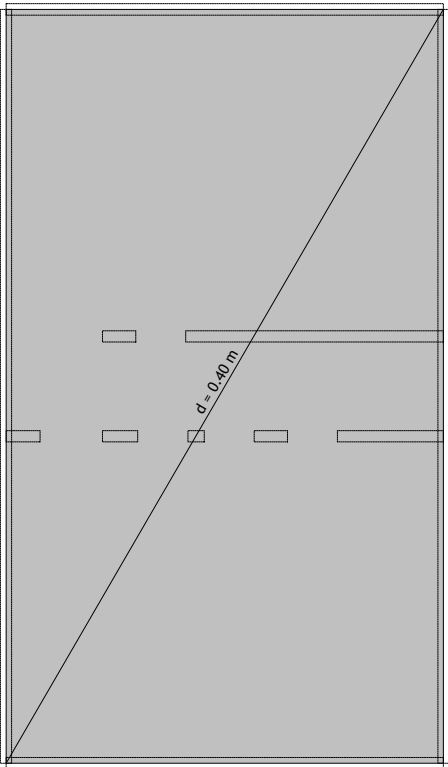
Nivo: NAD NADSTROPJEM [7.37 m]



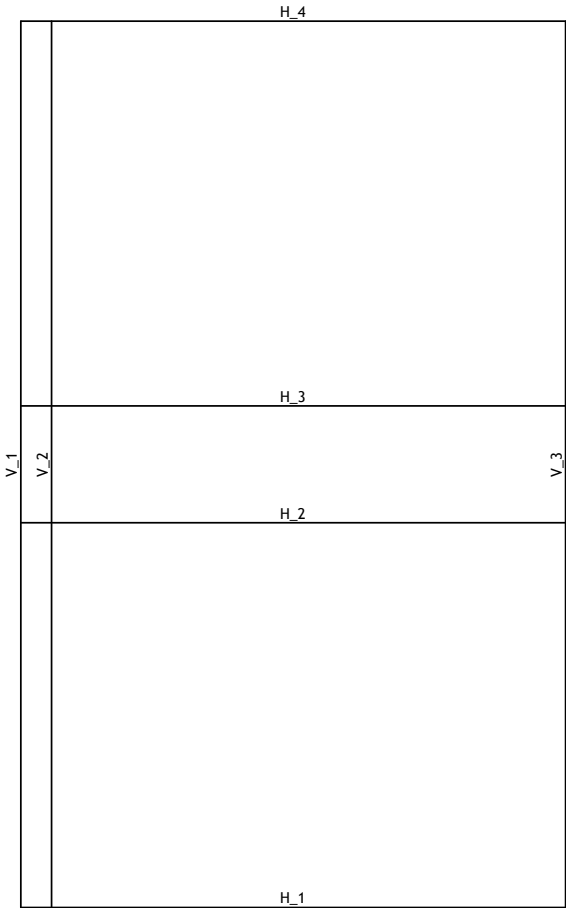
Nivo: NAD PRITLIČJEM [3.65 m]



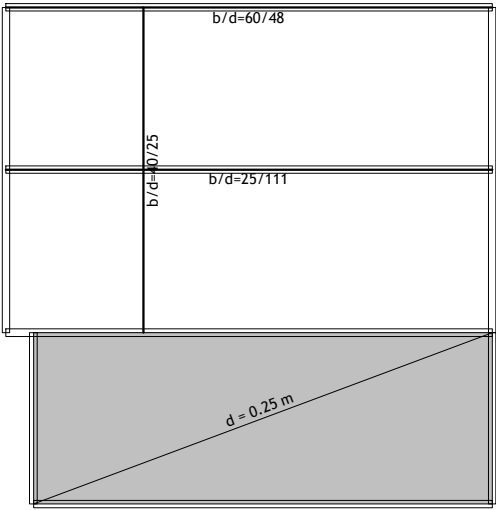
Nivo: NAD KLETJO [-0.09 m]



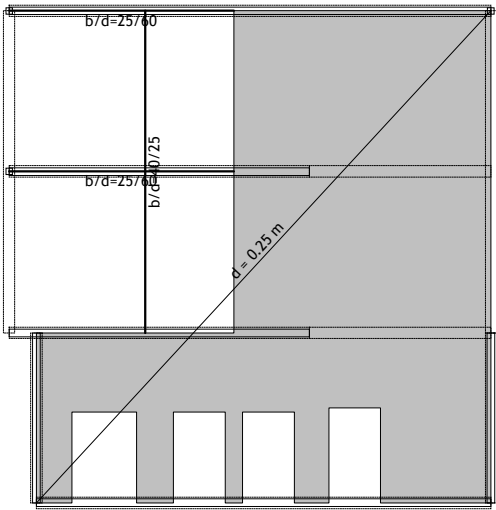
Nivo: TEMELJNA PLOŠČA [-4.02 m]



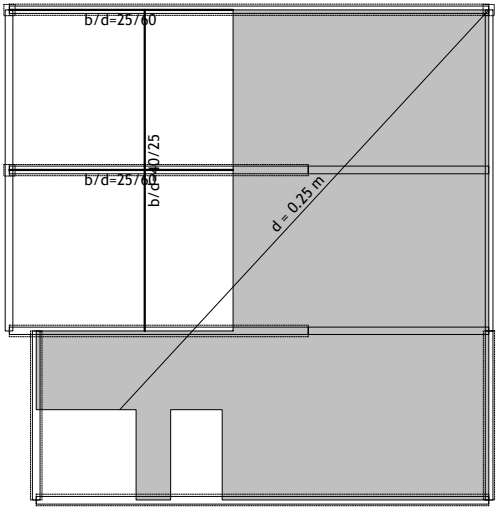
Dispozicija okvirjev



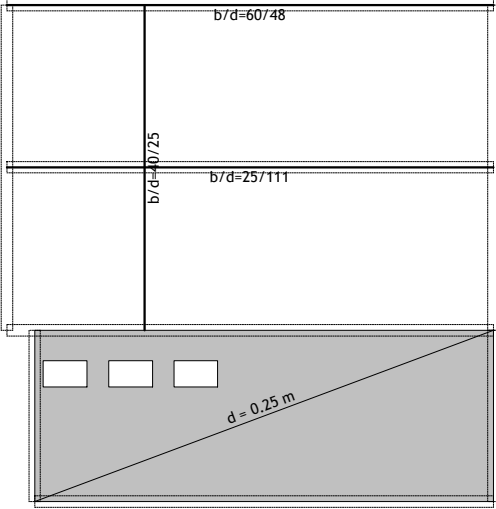
Okvir: H_1



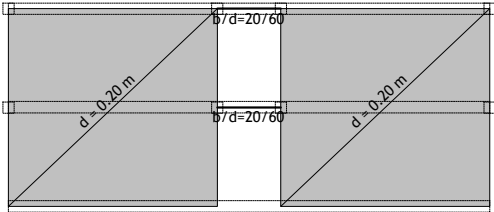
Okvir: H_2



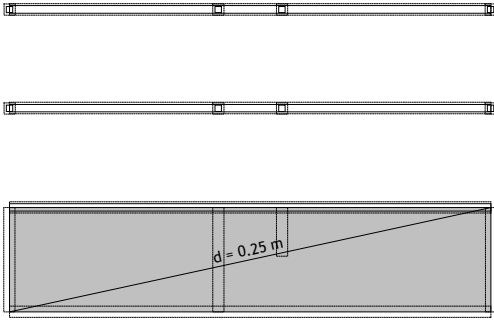
Okvir: H_3



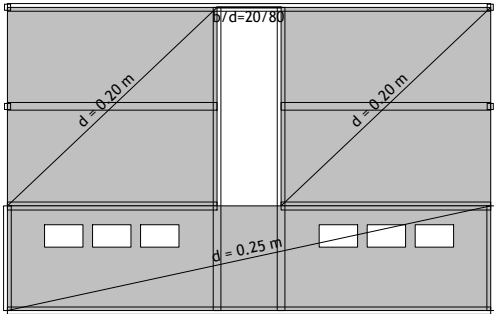
Okvir: H_4



Okvir: V_1



Okvir: V_2

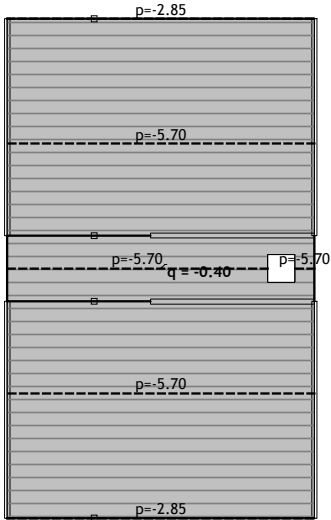


Okvir: V_3

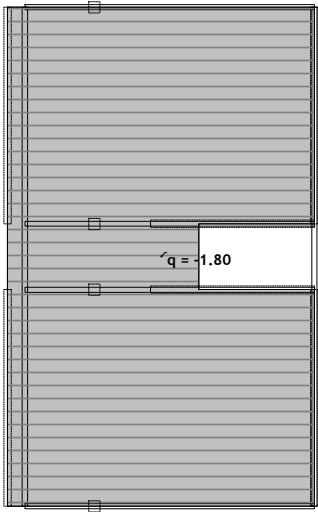
Vhodni podatki - Obtežba

Lista obtežnih primerov				
No	Naziv	pX [kN]	pY [kN]	pZ [kN]
1	stalna (g)	0.00	0.00	-10907.43
2	korisna	0.00	0.00	-2089.49
3	Komb.: 1.35xI+1.5xII	0.00	0.00	-17859.27

Obt. 1: stalna (g)



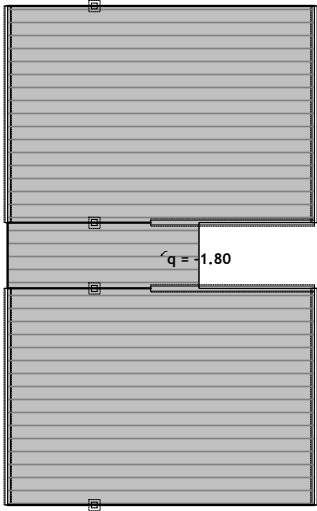
Nivo: NAD NADSTROPJEM [7.37 m]
Obt. 1: stalna (g)



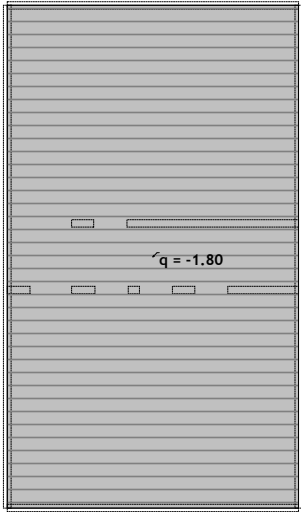
Nivo: NAD KLETJO [-0.09 m]

No	Naziv	pX [kN]	pY [kN]	pZ [kN]
4	Komb.: I+1.5xII	0.00	0.00	-14041.67
5	Komb.: 1.35xI	0.00	0.00	-14725.04
6	Komb.: I	0.00	0.00	-10907.43

Obt. 1: stalna (g)

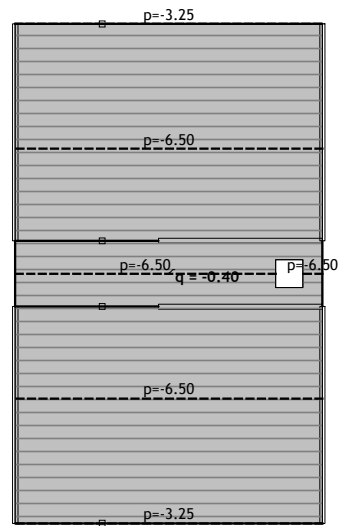


Nivo: NAD PRITLIČJEM [3.65 m]
Obt. 1: stalna (g)

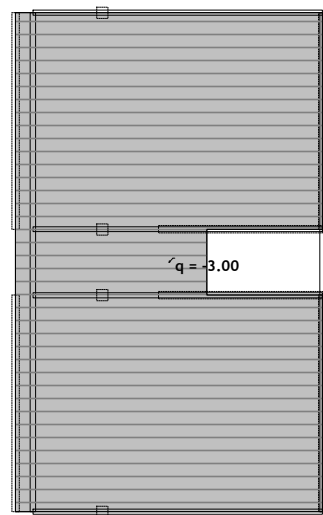


Nivo: TEMELJNA PLOŠČA [-4.02 m]

Obt. 2: korisna

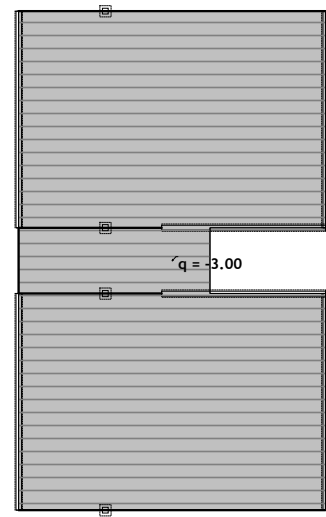


Nivo: NAD NADSTROPJEM [7.37 m]
Obt. 2: korisna

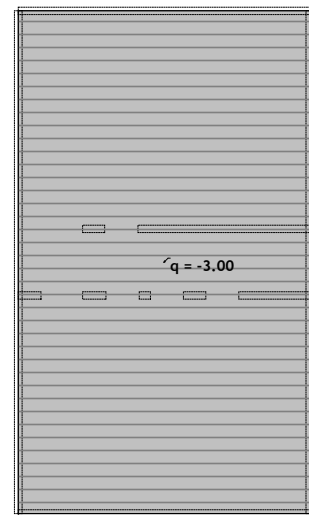


Nivo: NAD KLETJO [-0.09 m]

Obt. 2: korisna



Nivo: NAD PRITLIČJEM [3.65 m]
Obt. 2: korisna



Nivo: TEMELJNA PLOŠĆA [-4.02 m]

Napredne opcije seizmičnega preračuna:

Mase grupirane v nivojih izbranih etaž
Preprečeno nihanje v Z smeri

Faktorji obtežb za preračun mas

No	Naziv	Koeficient
1	stalna (g)	1.00
2	koristna	0.50

Razporeditev mas po višini objekta

Nivo	Z [m]	X [m]	Y [m]	Masa [T]	T/m2
NAD NADSTROPJEM	7.37	5.63	9.07	248.29	1.23
NAD PRITLIČJEM	3.65	5.62	9.07	299.60	1.56
NAD KLETJO	-0.09	5.71	9.05	412.08	2.14
Skupno:	3.01	5.66	9.06	959.97	

Položaj centra togosti po višini objekta

Nivo	Z [m]	X [m]	Y [m]
NAD NADSTROPJEM	7.37	5.58	9.07
NAD PRITLIČJEM	3.65	5.58	9.07
NAD KLETJO	-0.09	5.85	9.07

Ekscentriciteta po višini objekta

Nivo	Z [m]	eox [m]	eoy [m]
NAD NADSTROPJEM	7.37	0.06	0.00
NAD PRITLIČJEM	3.65	0.05	0.00
NAD KLETJO	-0.09	0.15	0.02

Nihajne dobe konstrukcije

No	T [s]	f [Hz]
1	0.1104	9.0570
2	0.1043	9.5914
3	0.0695	14.3969
4	0.0385	25.9597

No	T [s]	f [Hz]
5	0.0317	31.5562
6	0.0294	33.9817
7	0.0275	36.4193
8	0.0220	45.4565

No	T [s]	f [Hz]
9	0.0218	45.8654
10	0.0208	48.0190
11	0.0178	56.0717
12	0.0173	57.6591

Seizmični preračun

Seizmični preračun: EC8 SLO

Kategorija tal: E
 Kategorija pomena: III ($\gamma=1.2$)
 Razmerje a_g/g : 0.25
 Faktor obnašanja: 2.4
 Koeficient dušenja: 0.05
 S: 1
 Tb: 0.15
 Tc: 0.4
 Td: 2

Faktorji smeri potresa:

Naziv	Kx	Ky	Kz
Sx	1.000	0.300	0.000
Sy	0.300	1.000	0.000

Sx

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]
NAD NADSTROPJEM	7.37	882.70	-14.15	48.54	1.11	89.70	-0.09	3.19	168.06	-0.20
NAD PRITLIČJEM	3.65	615.60	-8.02	47.15	1.03	59.45	-0.12	1.15	127.67	-0.29
NAD KLETJO	-0.09	158.05	0.17	20.69	0.91	11.26	-0.00	-1.38	62.85	-0.34
TEME LJNA PLOŠČA	-4.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
$\Sigma=$		1656.4	-22.00	116.38	3.05	160.41	-0.21	2.96	358.58	-0.84

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]
NAD NADSTROPJEM	7.37	-198.31	-1.23	-25.15	0.23	-8.18	0.14	1.21	-68.41	0.52
NAD PRITLIČJEM	3.65	314.27	2.26	-8.26	-1.01	5.73	0.10	-6.31	66.64	0.22
NAD KLETJO	-0.09	148.62	6.30	3.96	1.29	15.93	0.01	16.92	176.39	-0.51
TEME LJNA PLOŠČA	-4.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
$\Sigma=$		264.57	7.33	-29.46	0.51	13.48	0.25	11.82	174.61	0.23

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]
NAD NADSTROPJEM	7.37	12.45	22.04	2.05	7.26	-27.75	-1.15	4.16	23.08	-1.20
NAD PRITLIČJEM	3.65	-103.28	-20.79	-5.60	-28.07	54.52	-0.81	-16.15	-46.03	-0.83
NAD KLETJO	-0.09	450.60	-44.58	-8.84	74.24	-24.82	-1.81	36.92	23.48	-1.97
TEME LJNA PLOŠČA	-4.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
$\Sigma=$		359.77	-43.33	-12.39	53.43	1.95	-3.77	24.93	0.53	-4.00

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]
NAD NADSTROPJEM	7.37	-0.07	11.14	0.06	-0.06	-0.00	-0.01	2.04	0.01	0.65
NAD PRITLIČJEM	3.65	0.33	-25.86	0.05	0.04	0.01	0.01	-0.51	-0.13	0.38
NAD KLETJO	-0.09	0.20	26.63	0.09	0.03	-0.01	0.01	2.26	0.20	0.09
TEME LJNA PLOŠČA	-4.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
$\Sigma=$		0.46	11.92	0.20	0.01	-0.00	0.01	3.78	0.09	1.12

Nivo	Z [m]	Vsi toni		
		Px [kN]	Py [kN]	Pz [kN]
NAD NADSTROPJEM	7.37	715.91	194.32	24.15
NAD PRITLIČJEM	3.65	777.09	215.44	31.99
NAD KLETJO	-0.09	888.65	253.81	11.37
TEME LJNA PLOŠČA	-4.02	0.00	0.00	0.00
$\Sigma=$		2381.6	663.57	67.51

Sy

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]
NAD NADSTROPJEM	7.37	254.10	-4.07	13.97	3.50	282.79	-0.28	10.37	546.56	-0.65
NAD PRITLIČJEM	3.65	177.21	-2.31	13.57	3.24	187.43	-0.39	3.75	415.19	-0.96
NAD KLETJO	-0.09	45.50	0.05	5.96	2.87	35.51	-0.00	-4.50	204.41	-1.12
TEME LJNA PLOŠČA	-4.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
$\Sigma=$		476.81	-6.33	33.50	9.61	505.73	-0.67	9.62	1166.2	-2.73

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]
NAD NADSTROPJEM	7.37	-64.45	-0.40	-8.17	0.68	-24.48	0.40	3.37	-189.83	1.44
NAD PRITLIČJEM	3.65	102.13	0.73	-2.68	-3.02	17.14	0.30	-17.50	184.90	0.60
NAD KLETJO	-0.09	48.30	2.05	1.29	3.87	47.70	0.03	46.94	489.44	-1.40
TEME LJNA PLOŠČA	-4.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
$\Sigma=$		85.98	2.38	-9.57	1.53	40.37	0.74	32.81	484.52	0.64

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]
NAD NADSTROPJEM	7.37	2.32	4.11	0.38	2.42	-9.24	-0.38	1.33	7.37	-0.38
NAD PRITLIČJEM	3.65	-19.24	-3.87	-1.04	-9.34	18.15	-0.27	-5.15	-14.69	-0.27
NAD KLETJO	-0.09	83.94	-8.30	-1.65	24.71	-8.26	-0.60	11.79	7.49	-0.63
TEME LJNA PLOŠČA	-4.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
$\Sigma=$		67.02	-8.07	-2.31	17.79	0.65	-1.26	7.96	0.17	-1.28

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]
NAD NADSTROPJEM	7.37	-0.21	33.30	0.18	0.03	0.00	0.00	0.66	0.00	0.21
NAD PRITLIČJEM	3.65	0.98	-77.31	0.14	-0.02	-0.00	-0.01	-0.17	-0.04	0.12
NAD KLETJO	-0.09	0.60	79.63	0.26	-0.01	0.00	-0.00	0.73	0.06	0.03
TEME LJNA PLOŠČA	-4.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
$\Sigma=$		1.36	35.62	0.59	-0.00	0.00	-0.01	1.22	0.03	0.36

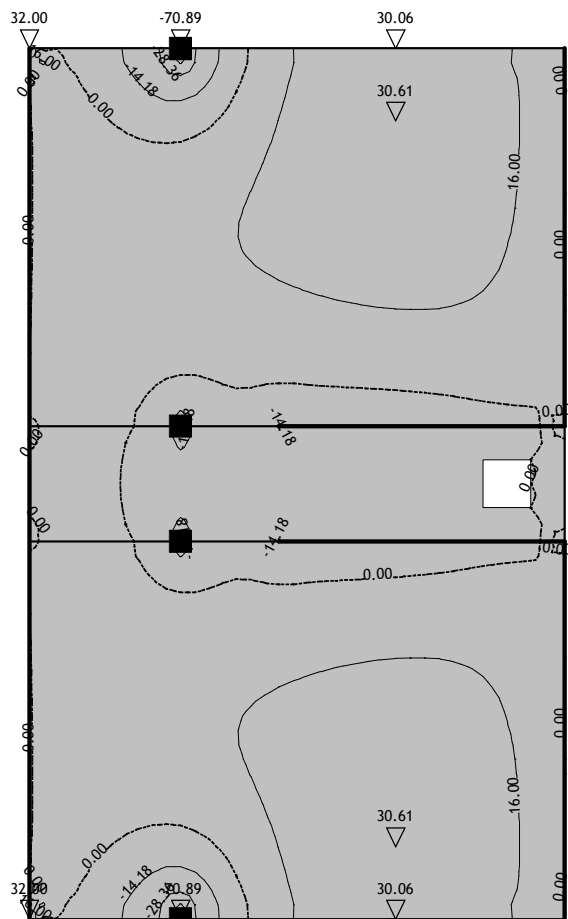
Nivo	Z [m]	Vsi toni		
		Px [kN]	Py [kN]	Pz [kN]
NAD NADSTROPJEM	7.37	214.11	646.12	6.72
NAD PRITLIČJEM	3.65	232.88	725.31	9.12
NAD KLETJO	-0.09	264.71	849.79	2.16
TEME LJNA PLOŠČA	-4.02	0.00	0.00	0.00
$\Sigma=$		711.69	2221.2	18.00

Faktorji participacije - relativno sodelovanje		
Ton \ Naziv	1. Sx	2. Sy
1	0.639	0.056
2	0.020	0.209
3	0.043	0.480
4	0.103	0.012
5	0.002	0.017
6	0.025	0.203
7	0.134	0.005
8	0.021	0.002
9	0.010	0.001
10	0.002	0.015
11	0.000	0.000
12	0.001	0.000

Faktorji participacije - angažiranje mase						
Ton	UX (%)	UY (%)	UZ (%)	ΣUX (%)	ΣUY (%)	ΣUZ (%)
1	62.46	0.01	0.31	62.46	0.01	0.31
2	0.01	19.20	0.00	62.47	19.21	0.31
3	0.00	49.02	0.00	62.47	68.23	0.31
4	12.18	0.01	0.15	74.65	68.24	0.46
5	0.00	1.89	0.00	74.65	70.13	0.46
6	0.10	22.71	0.00	74.76	92.85	0.46
7	17.97	0.26	0.02	92.73	93.11	0.48
8	2.59	0.00	0.01	95.32	93.11	0.49
9	1.22	0.00	0.03	96.54	93.11	0.53
10	0.00	1.74	0.00	96.54	94.85	0.53
11	0.00	0.00	0.00	96.54	94.85	0.53
12	0.19	0.00	0.02	96.73	94.85	0.54

Statični preračun

Obt. 3: 1.35xl+1.5xII

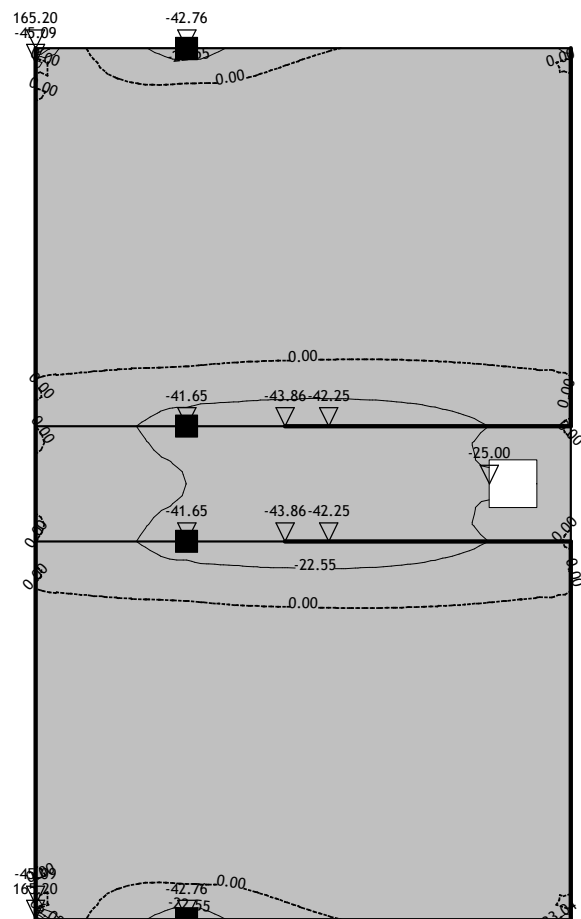


Nivo: NAD NADSTROPJEM [7.37 m]

Vplivi v plošči: max Mx= 32.00 / min Mx= -70.89 kNm/m

Obt. 3: 1.35xl+1.5xII

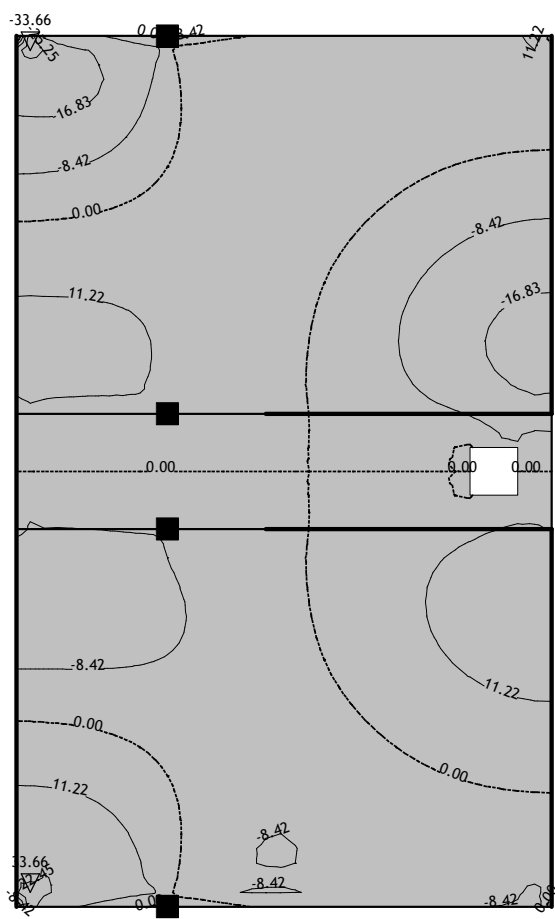
Obt. 3: 1.35xl+1.5xII



Nivo: NAD NADSTROPJEM [7.37 m]

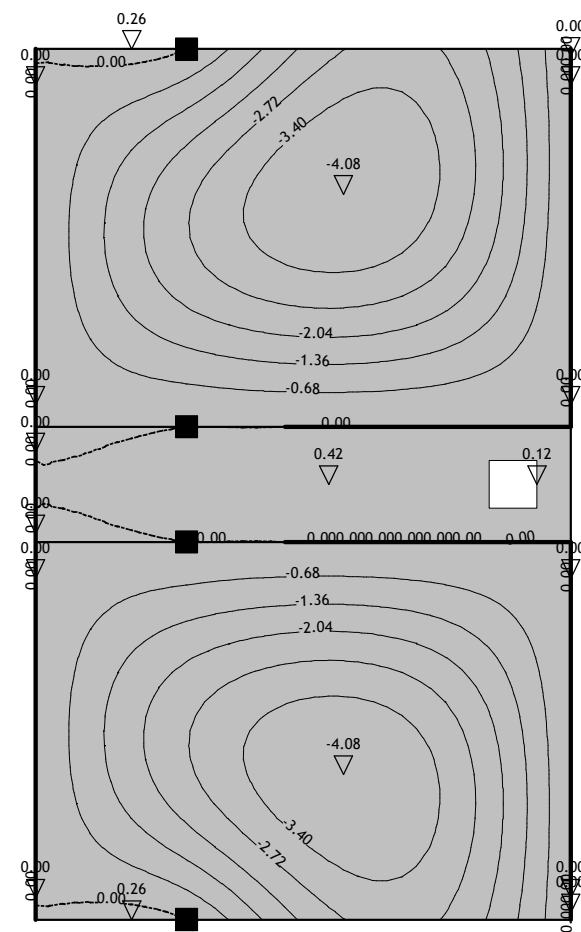
Vplivi v plošči: max My= 165.20 / min My= -45.09 kNm/m

Obt. 7: I+II



Nivo: NAD NADSTROPJEM [7.37 m]

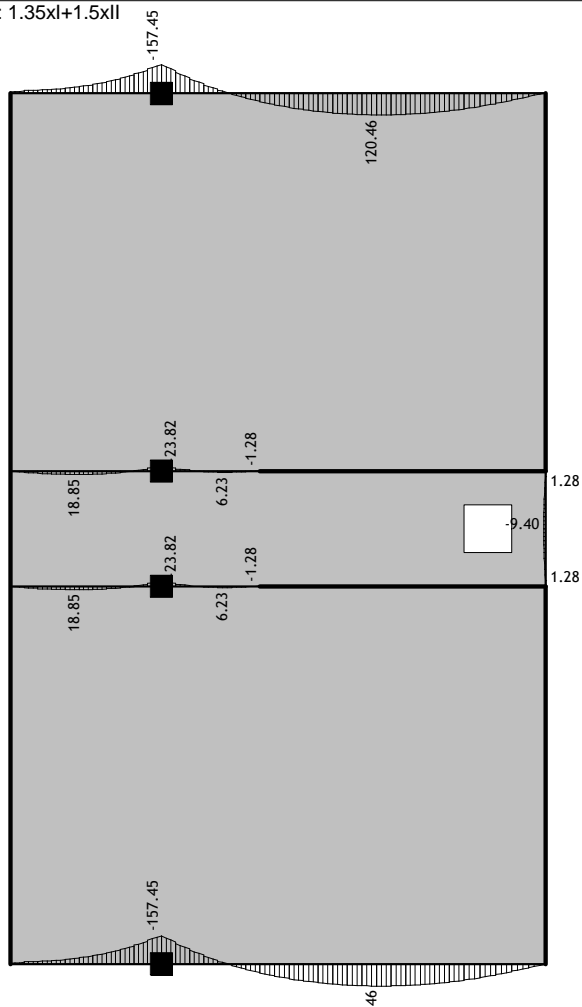
Vplivi v plošči: max Mxy= 33.66 / min Mxy= -33.66 kNm/m



Nivo: NAD NADSTROPJEM [7.37 m]

Vplivi v plošči: max Zp= 0.42 / min Zp= -4.08 m / 1000

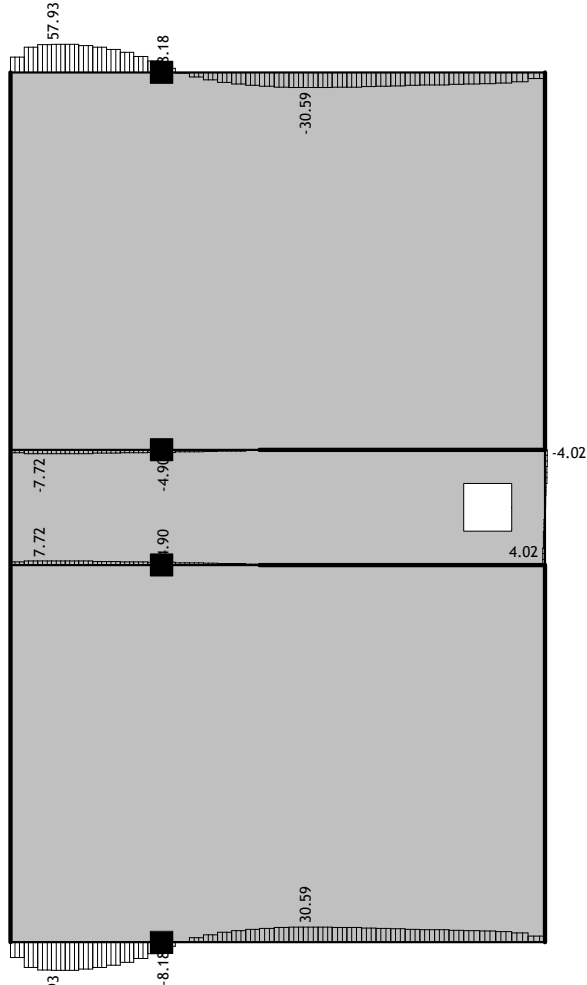
Obt. 3: 1.35xl+1.5xII



Nivo: NAD NADSTROPJEM [7.37 m]

Vplivi v gredi: max M3= 120.46 / min M3= -157.45 kNm

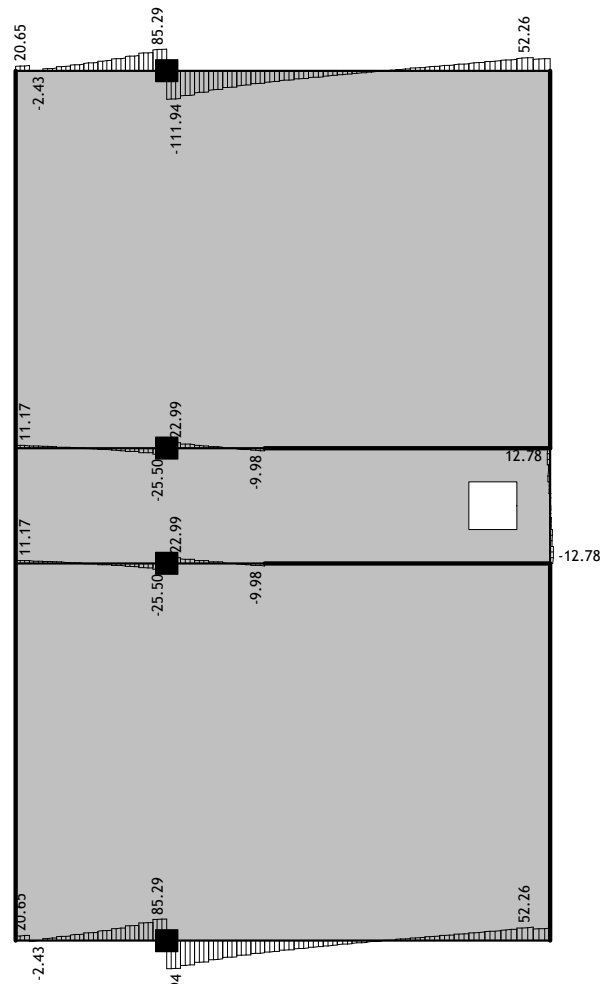
Obt. 3: 1.35xl+1.5xII



Nivo: NAD NADSTROPJEM [7.37 m]

Vplivi v gredi: max M1= 57.93 / min M1= -57.93 kNm

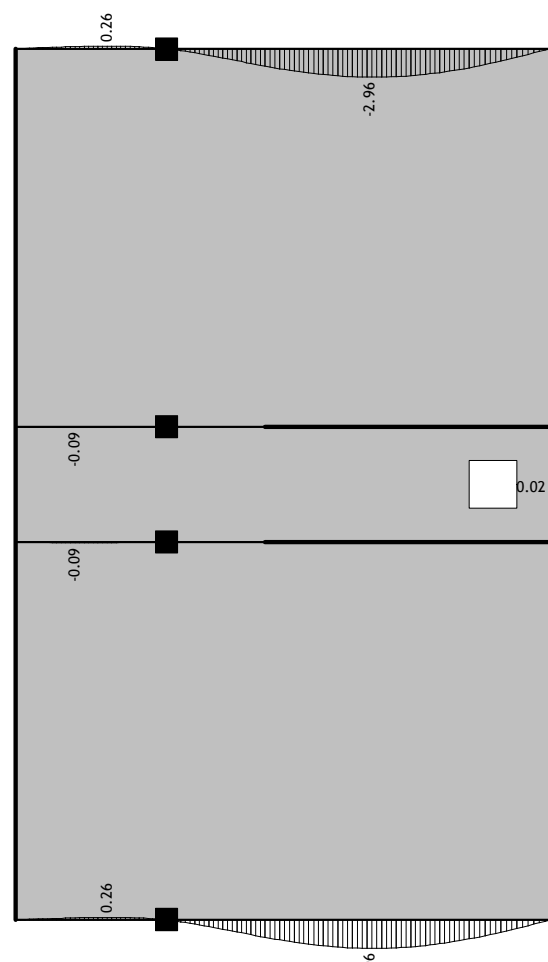
Obt. 3: 1.35xl+1.5xII



Nivo: NAD NADSTROPJEM [7.37 m]

Vplivi v gredi: max T2= 85.29 / min T2= -111.94 kN

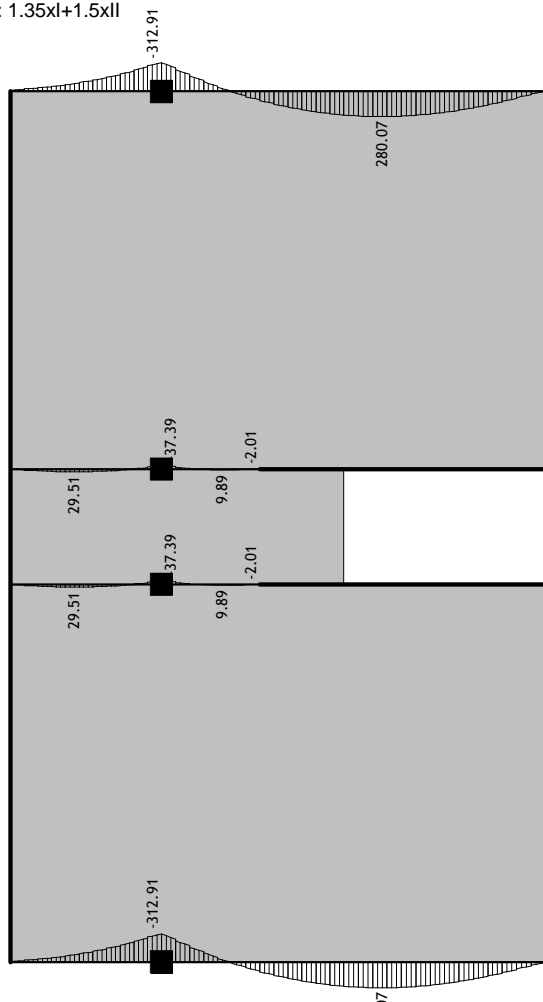
Obt. 7: I+II



Nivo: NAD NADSTROPJEM [7.37 m]

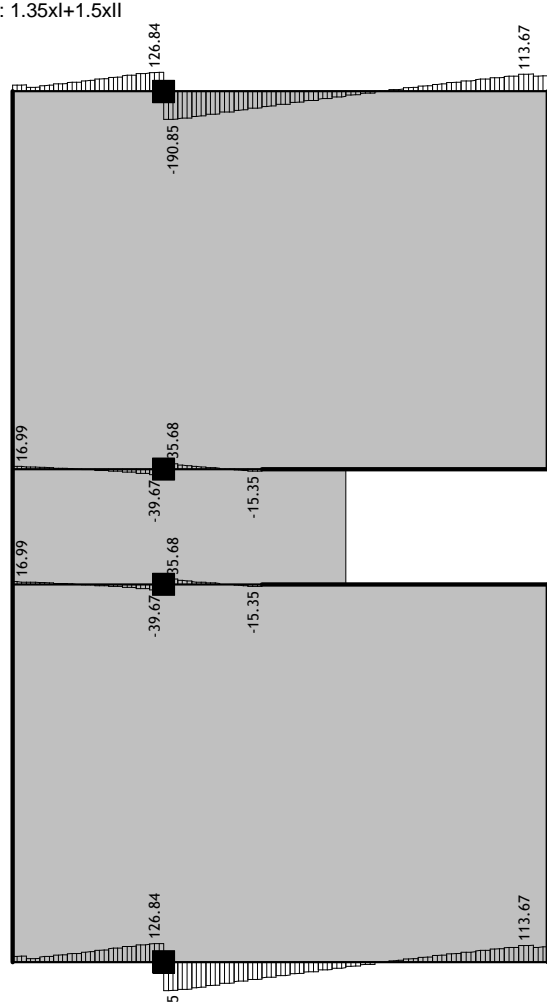
Vplivi v gredi: max Zp= 0.26 / min Zp= -2.97 m / 1000

Obt. 3: 1.35xl+1.5xII



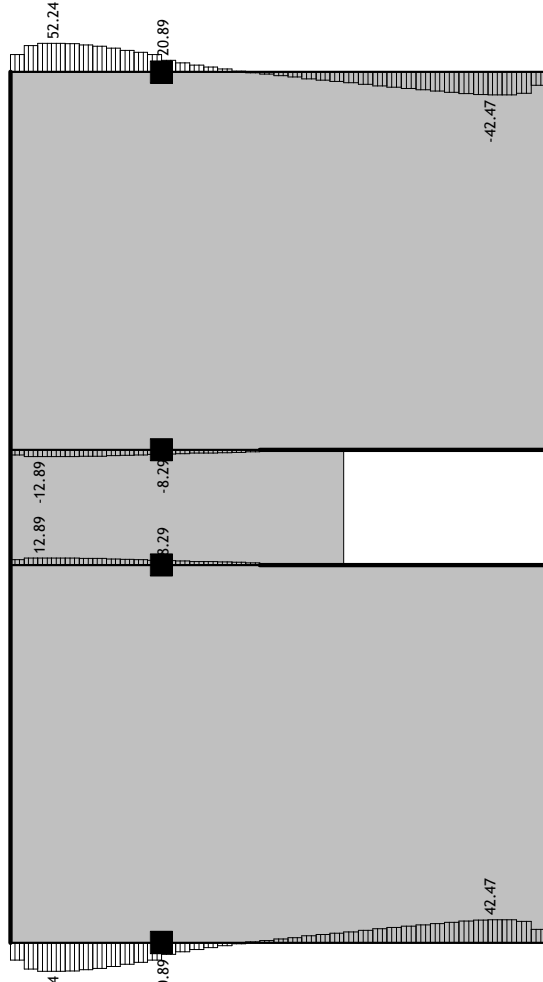
Nivo: NAD PRITLIČJEM [3.65 m]
Vplivi v gredi: max M3= 280.07 / min M3= -312.91 kNm
Obt. 3: 1.35xl+1.5xII

Obt. 3: 1.35xl+1.5xII



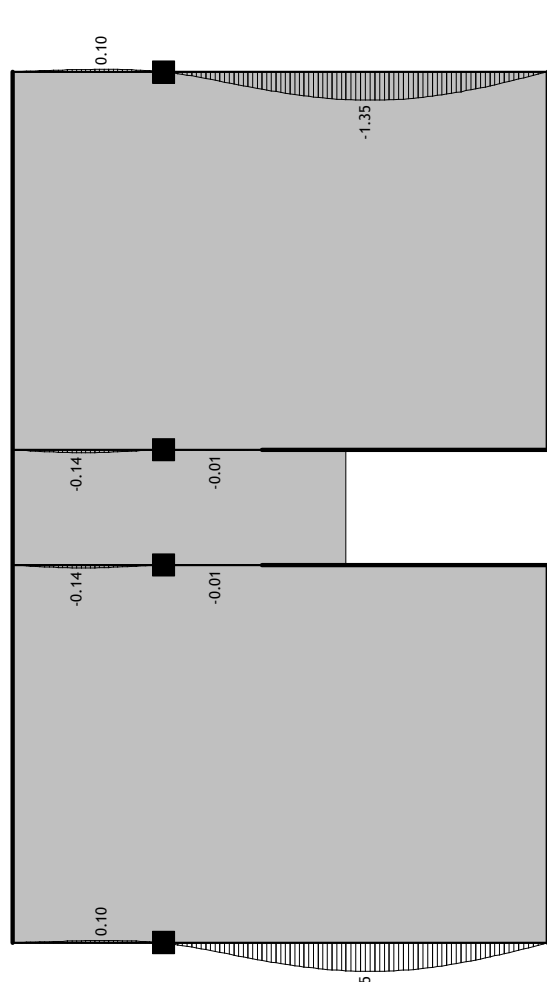
Nivo: NAD PRITLIČJEM [3.65 m]
Vplivi v gredi: max T2= 126.84 / min T2= -190.85 kN
Obt. 7: I+II

Obt. 3: 1.35xl+1.5xII



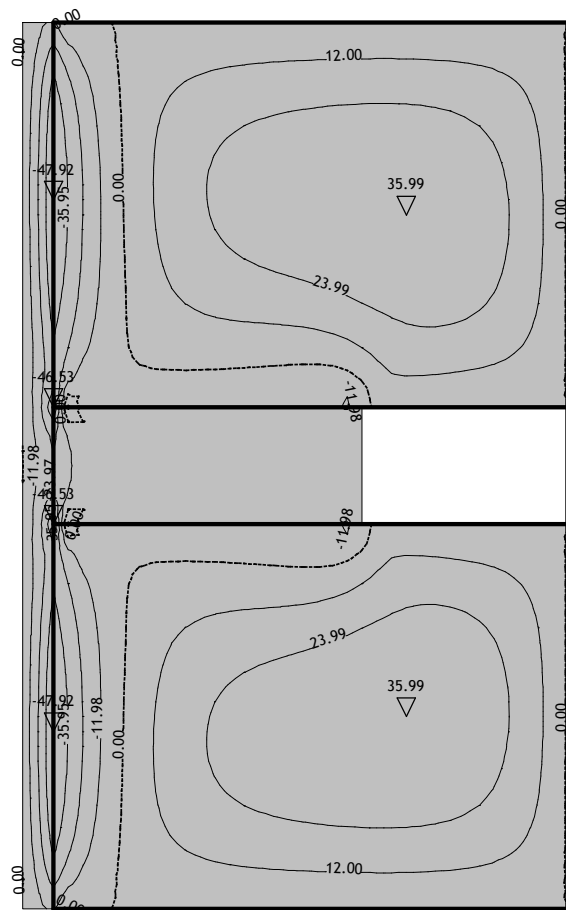
Nivo: NAD PRITLIČJEM [3.65 m]
Vplivi v gredi: max M1= 52.24 / min M1= -52.24 kNm

Obt. 7: I+II



Nivo: NAD PRITLIČJEM [3.65 m]
Vplivi v gredi: max Zp= 0.11 / min Zp= -1.36 m / 1000

Obt. 3: 1.35xl+1.5xII

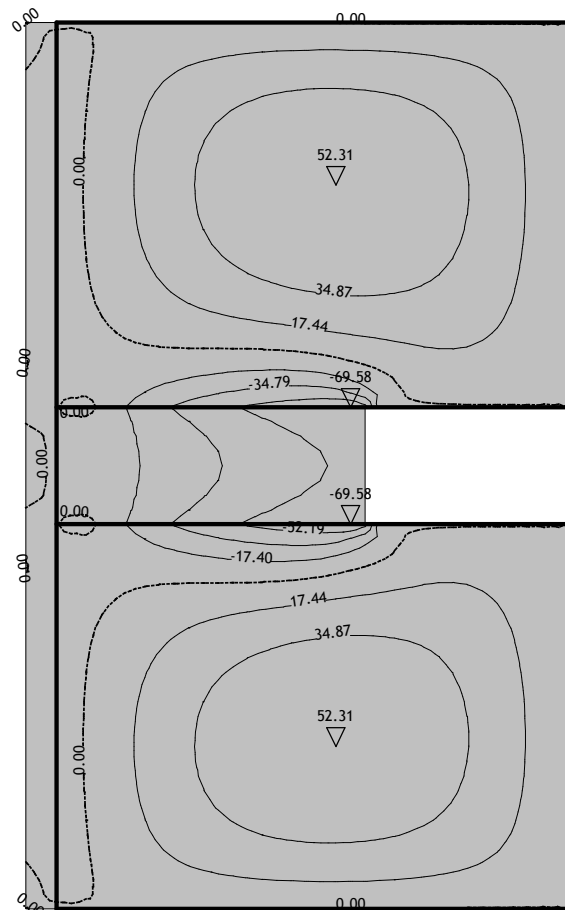


Nivo: NAD KLETJO [-0.09 m]

Vplivi v plošči: max $M_x = 35.99$ / min $M_x = -47.92$ kNm/m

Obt. 3: 1.35xl+1.5xII

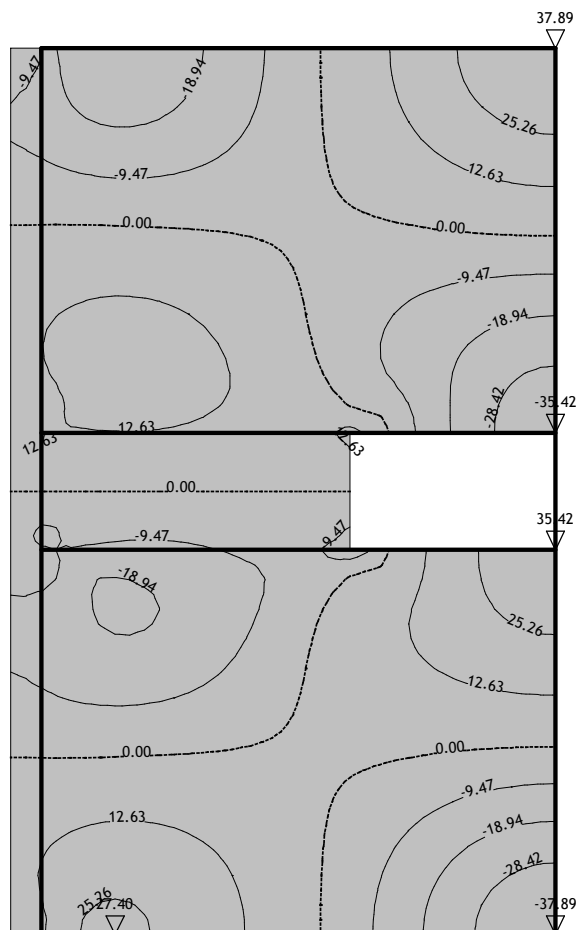
Obt. 3: 1.35xl+1.5xII



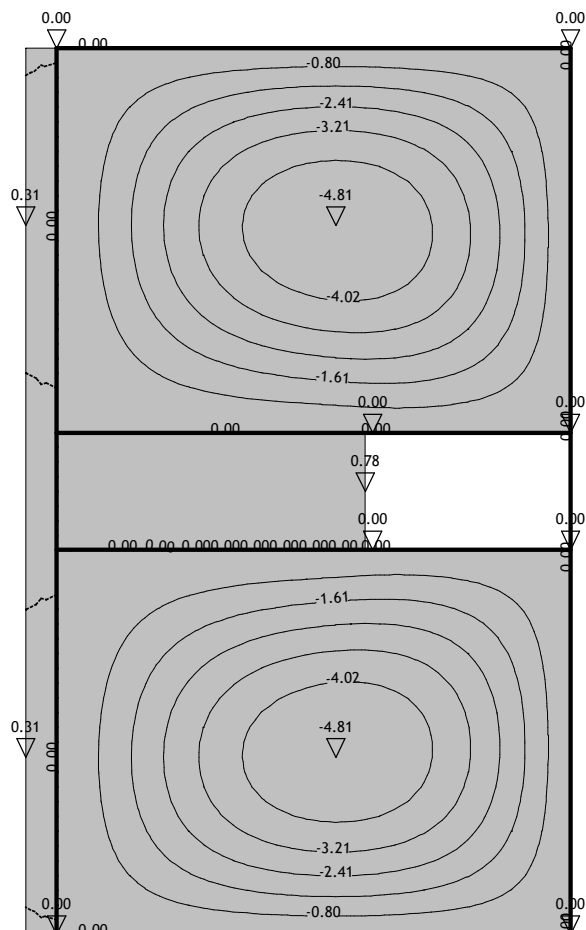
Nivo: NAD KLETJO [-0.09 m]

Vplivi v plošči: max $M_y = 52.31$ / min $M_y = -69.58$ kNm/m

Obt. 7: I+II



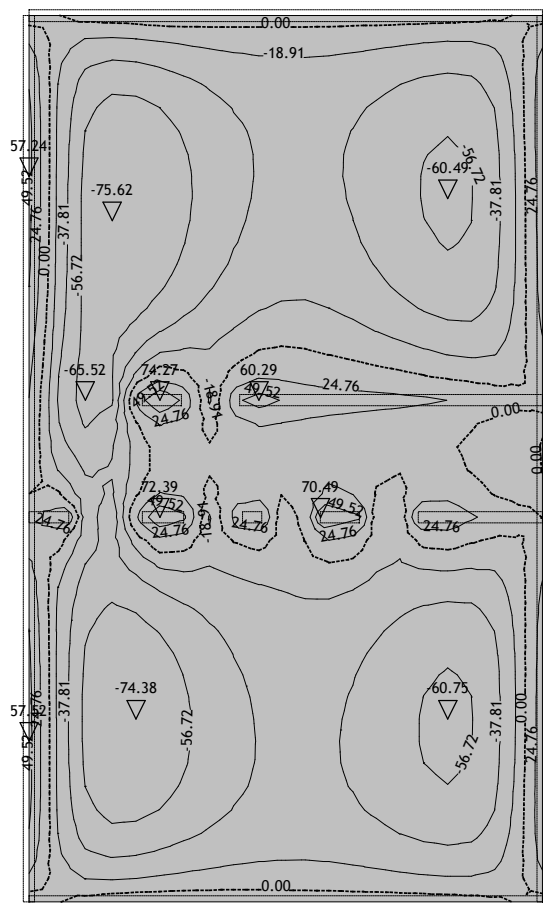
Nivo: NAD KLETJO [-0.09 m]

Vplivi v plošči: max $M_{xy} = 37.89$ / min $M_{xy} = -37.89$ kNm/m

Nivo: NAD KLETJO [-0.09 m]

Vplivi v plošči: max $Z_p = 0.78$ / min $Z_p = -4.81$ m / 1000

Obt. 3: 1.35xl+1.5xII

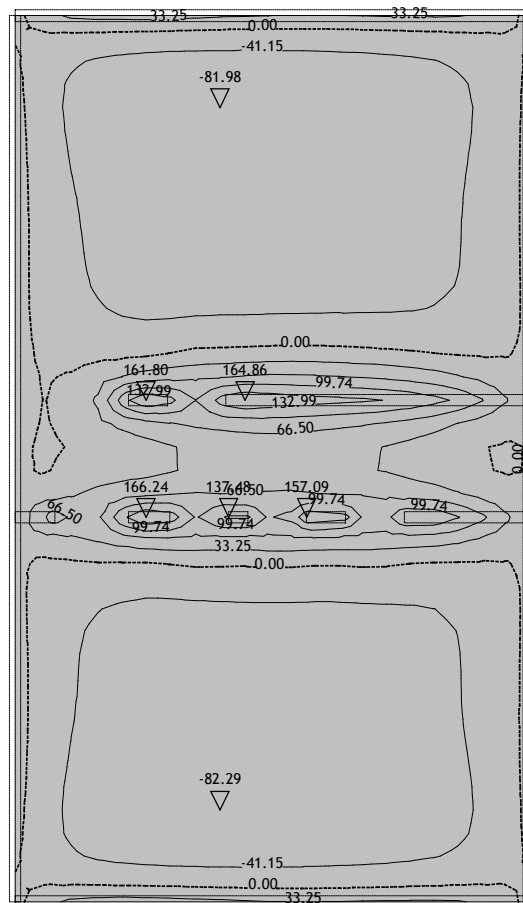


Nivo: TEMELJNA PLOŠĆA [-4.02 m]

Vplivi v plošči: max Mx= 74.27 / min Mx= -75.62 kNm/m

Obt. 3: 1.35xl+1.5xII

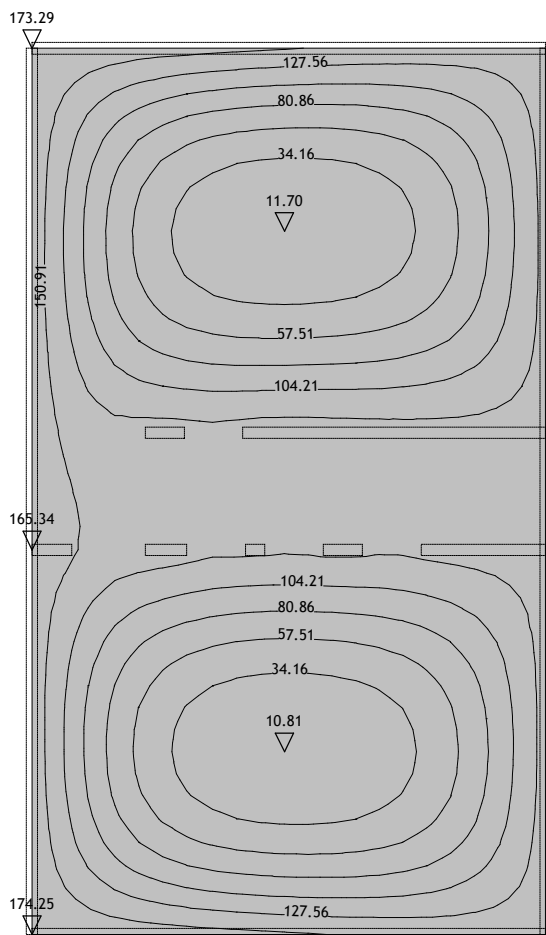
Obt. 3: 1.35xl+1.5xII



Nivo: TEMELJNA PLOŠĆA [-4.02 m]

Vplivi v plošči: max My= 166.24 / min My= -82.29 kNm/m

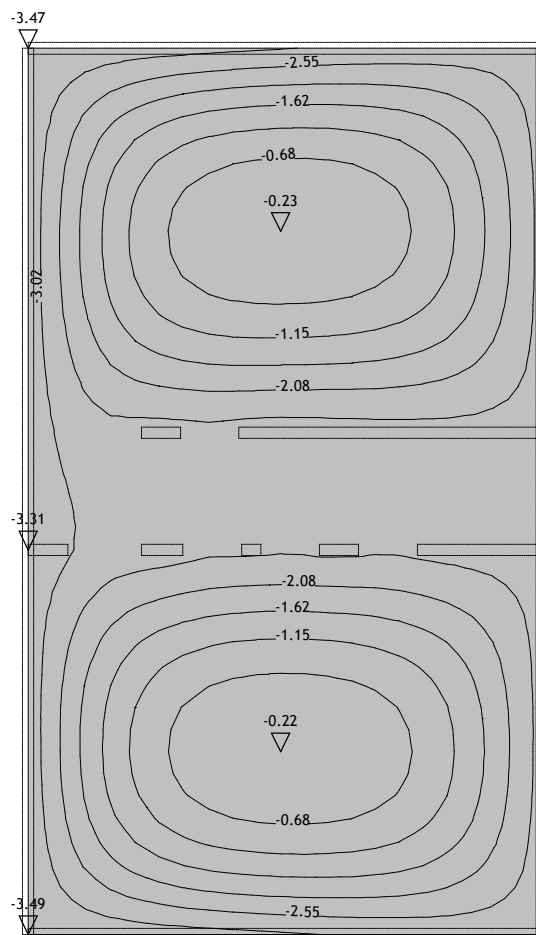
Obt. 3: 1.35xl+1.5xII



Nivo: TEMELJNA PLOŠĆA [-4.02 m]

Vplivi v pov.podpori: max σ_{tal} = 174.25 / min σ_{tal} = 10.81 kN/m²

Tower - 3D Model Builder 6.0



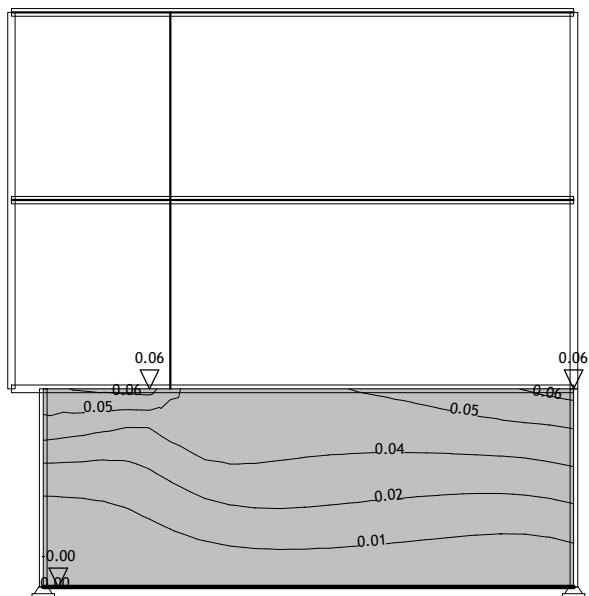
Nivo: TEMELJNA PLOŠĆA [-4.02 m]

Vplivi v pov.podpori: max s_{tal} = -0.22 / min s_{tal} = -3.49 m / 1000

Registered to Zalar

Radimpex - www.radimpex.rs

Obt. 17: I+II+III

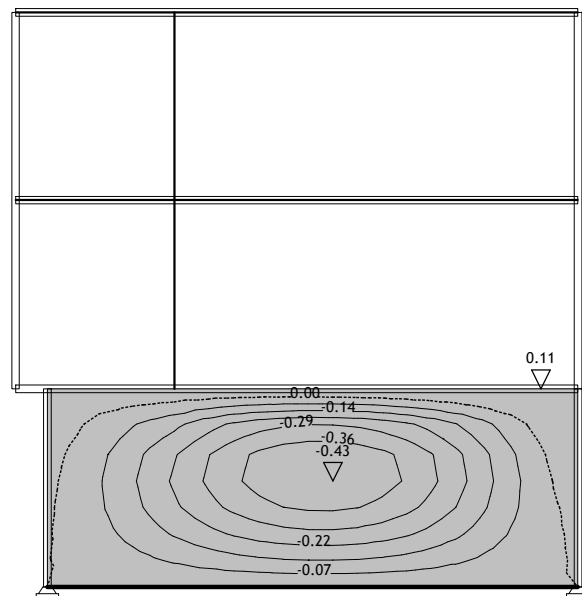


Okvir: H_1

Vplivi v plošči: max $X_p = 0.06$ / min $X_p = -0.00$ m / 1000

Obt. 17: I+II+III

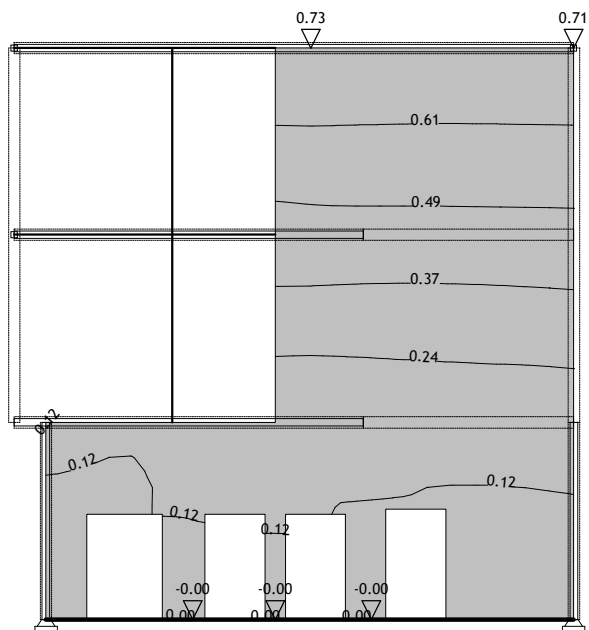
Obt. 18: I+II+IV



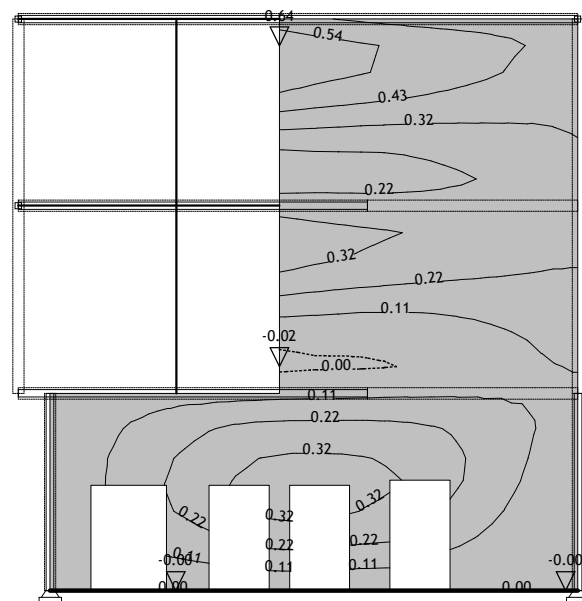
Okvir: H_1

Vplivi v plošči: max $Y_p = 0.11$ / min $Y_p = -0.43$ m / 1000

Obt. 18: I+II+IV



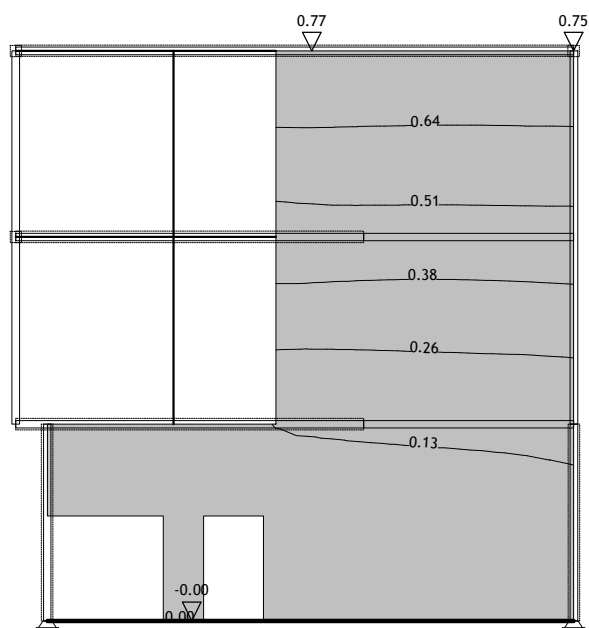
Okvir: H_2

Vplivi v plošči: max $X_p = 0.73$ / min $X_p = -0.00$ m / 1000

Okvir: H_2

Vplivi v plošči: max $Y_p = 0.64$ / min $Y_p = -0.02$ m / 1000

Obt. 17: I+II+III

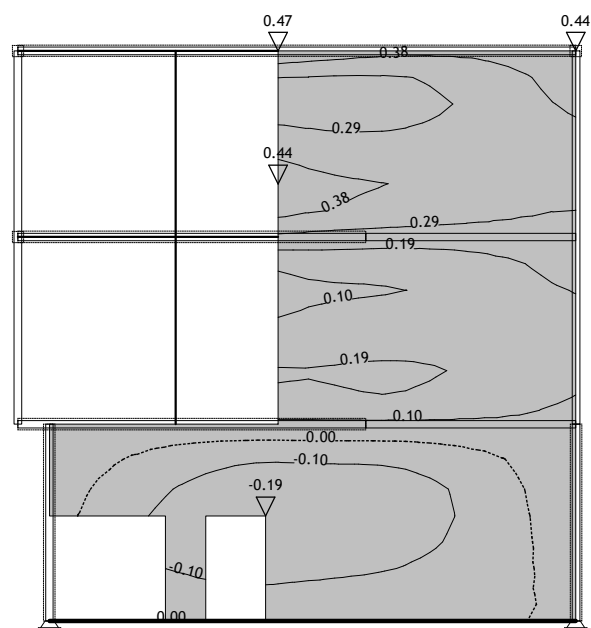


Okvir: H_3

Vplivi v plošči: max $X_p = 0.77$ / min $X_p = -0.00$ m / 1000

Obt. 17: I+II+III

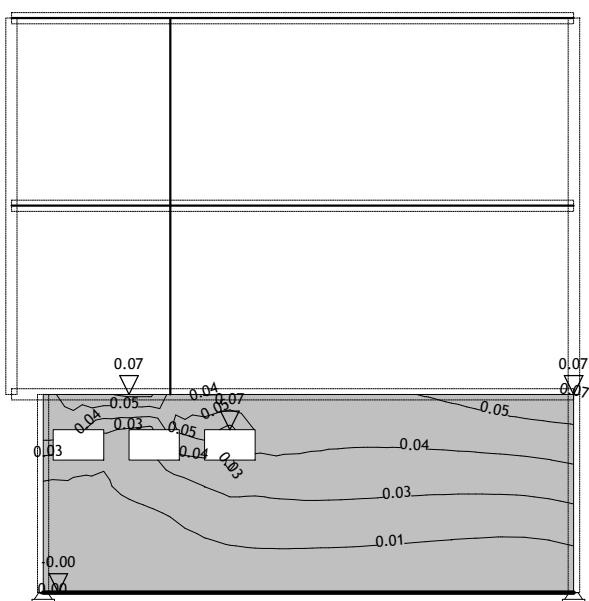
Obt. 18: I+II+IV



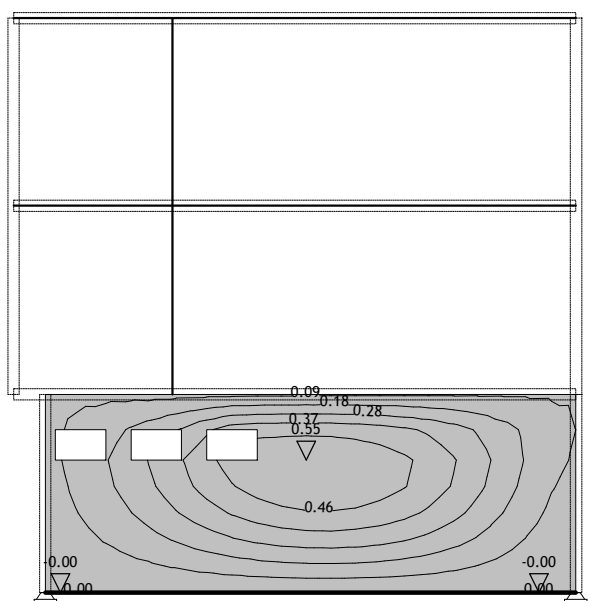
Okvir: H_3

Vplivi v plošči: max $Y_p = 0.47$ / min $Y_p = -0.19$ m / 1000

Obt. 18: I+II+IV



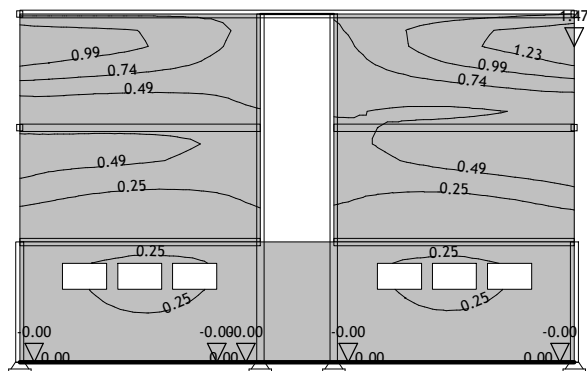
Okvir: H_4

Vplivi v plošči: max $X_p = 0.07$ / min $X_p = -0.00$ m / 1000

Okvir: H_4

Vplivi v plošči: max $Y_p = 0.55$ / min $Y_p = -0.00$ m / 1000

Obt. 17: I+II+III

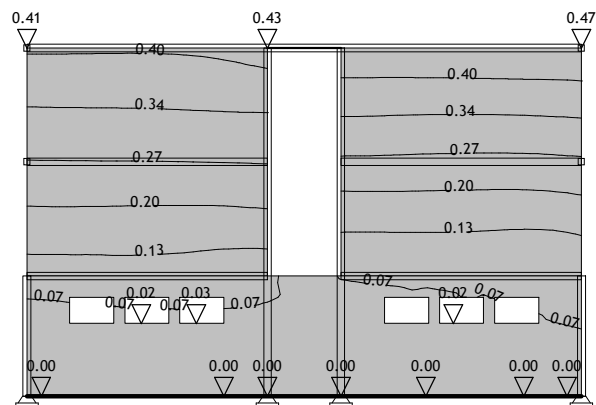


Okvir: V_3

Vplivi v plošči: max $X_p = 1.47$ / min $X_p = -0.00$ m / 1000

Obt. 17: I+II+III

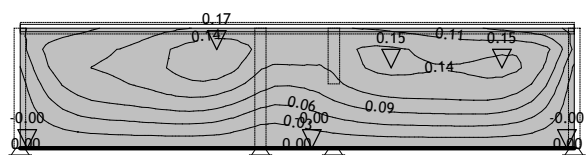
Obt. 18: I+II+IV



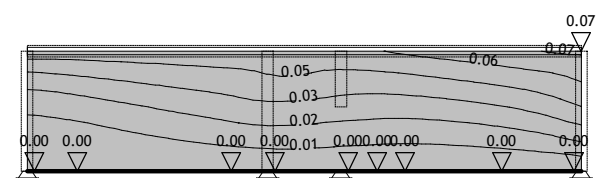
Okvir: V_3

Vplivi v plošči: max $Y_p = 0.47$ / min $Y_p = 0.00$ m / 1000

Obt. 18: I+II+IV



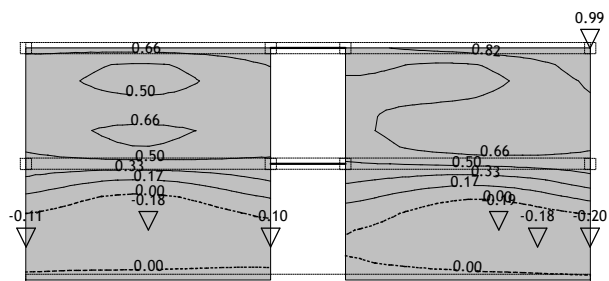
Okvir: V_2

Vplivi v plošči: max $X_p = 0.17$ / min $X_p = -0.00$ m / 1000

Okvir: V_2

Vplivi v plošči: max $Y_p = 0.07$ / min $Y_p = 0.00$ m / 1000

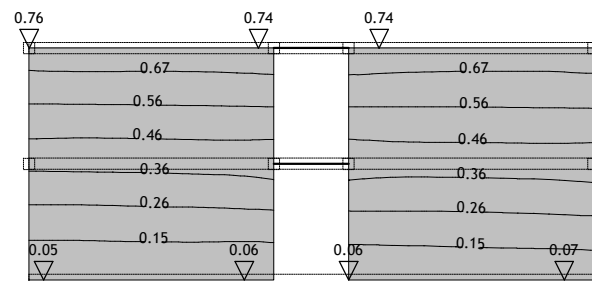
Obt. 17: I+II+III



Okvir: V_1

Vplivi v plošči: max $X_p = 0.99$ / min $X_p = -0.20$ m / 1000

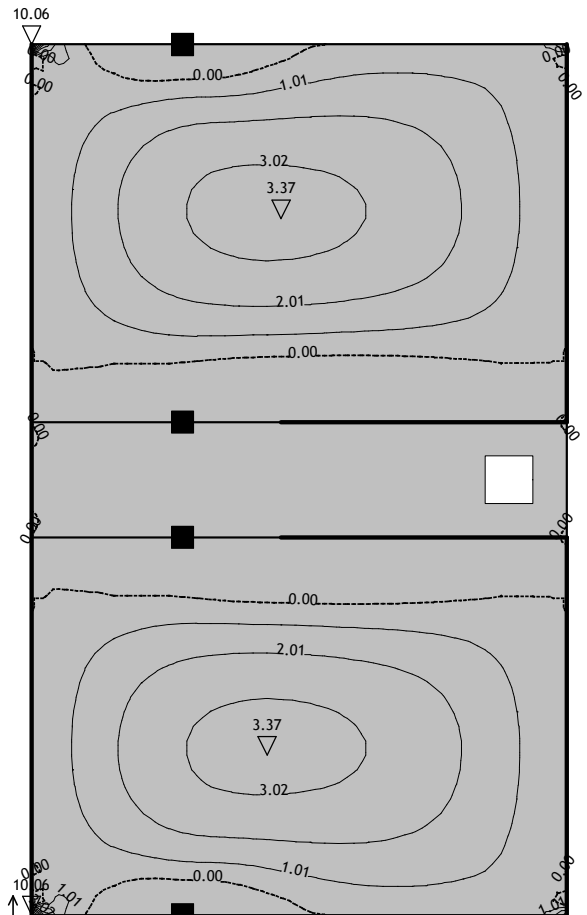
Obt. 18: I+II+IV



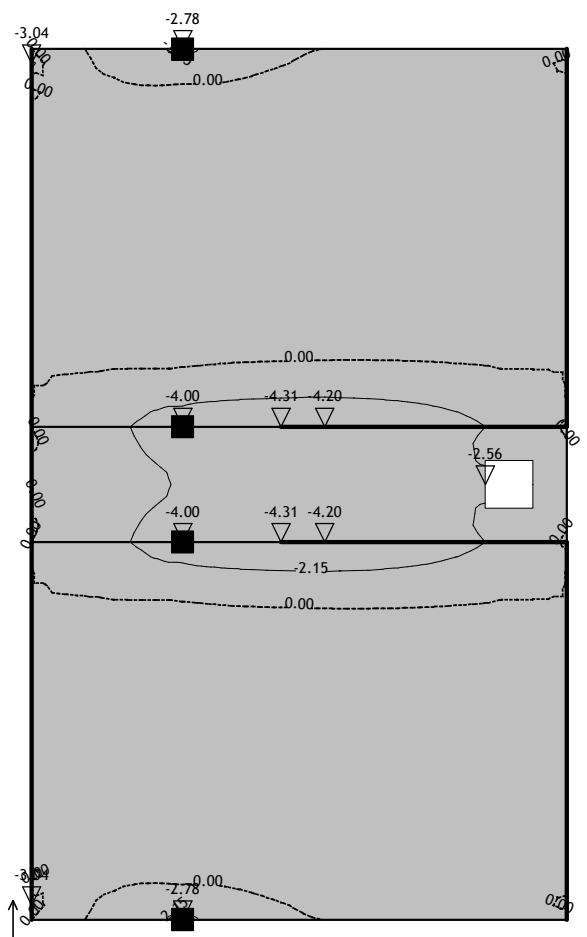
Okvir: V_1

Vplivi v plošči: max $Y_p = 0.76$ / min $Y_p = 0.05$ m / 1000

Merodajna obtežba: Kompletna shema
EUROCODE, C 25, S500H, a=2.00 cm

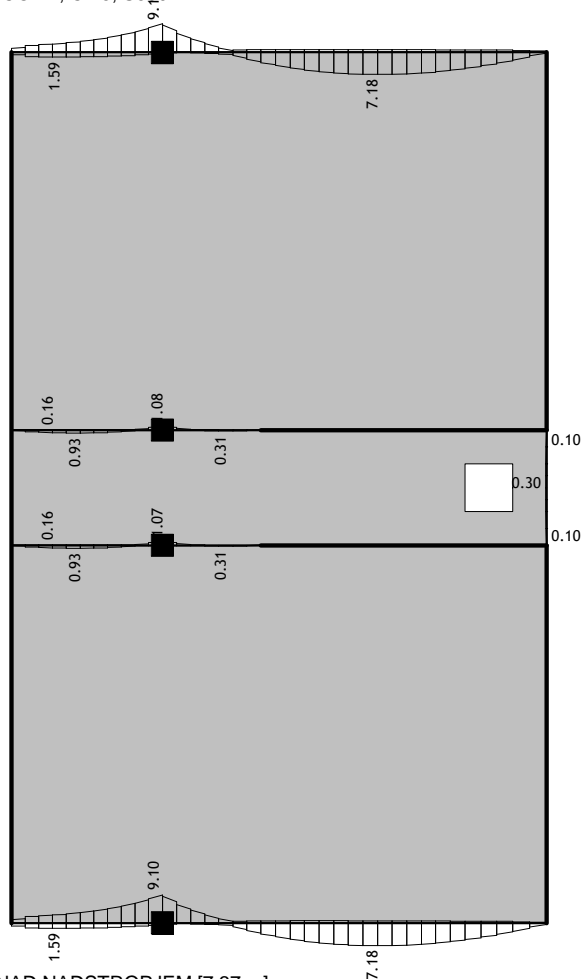


Nivo: NAD NADSTROPJEM [7.37 m]
Aa - sp.cona - Smer 2 - max Aa2,s= 10.06 cm2/m
Merodajna obtežba: Kompletna shema
EUROCODE, C 25, S500H, a=2.00 cm



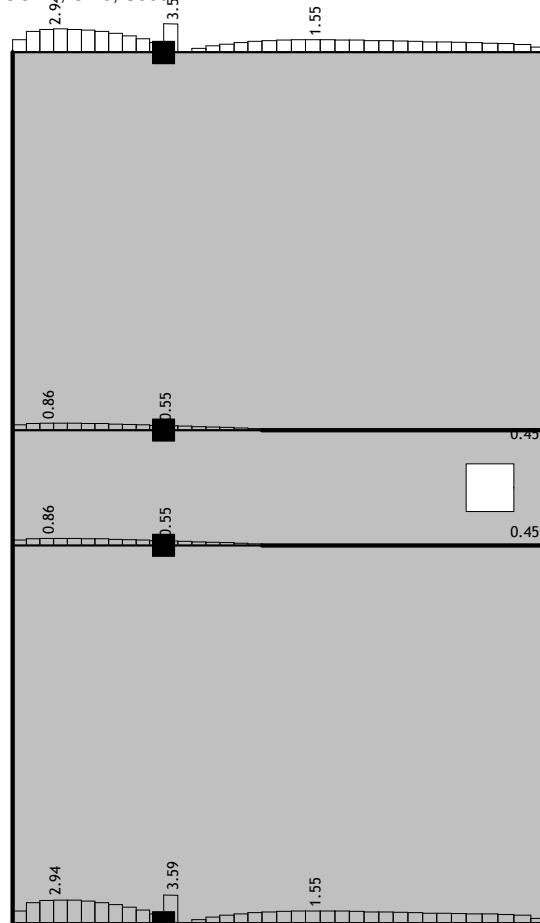
Nivo: NAD NADSTROPJEM [7.37 m]
Aa - zg.cona - Smer 2 - max Aa2,z= -4.31 cm2/m

Merodajna optežba: Kompletna shema
EUROCODE, C 25, S500H

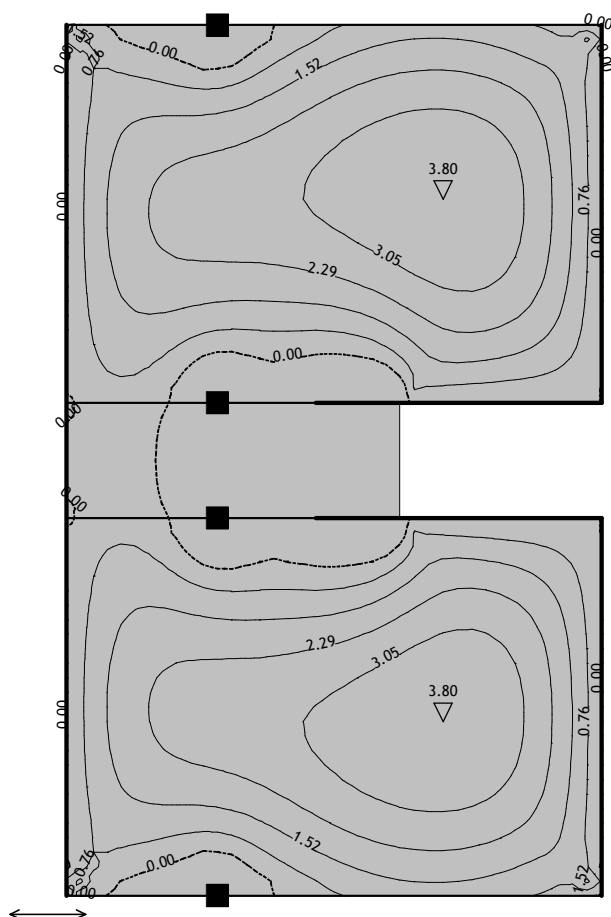


Nivo: NAD NADSTROPJEM [7.37 m]
Armatura v gredah: max $A_{a2}/A_{a1}=9.10 \text{ cm}^2$
Merodajna optežba: Kompletna shema
EUROCODE, C 25, S500H, $a=2.00 \text{ cm}$

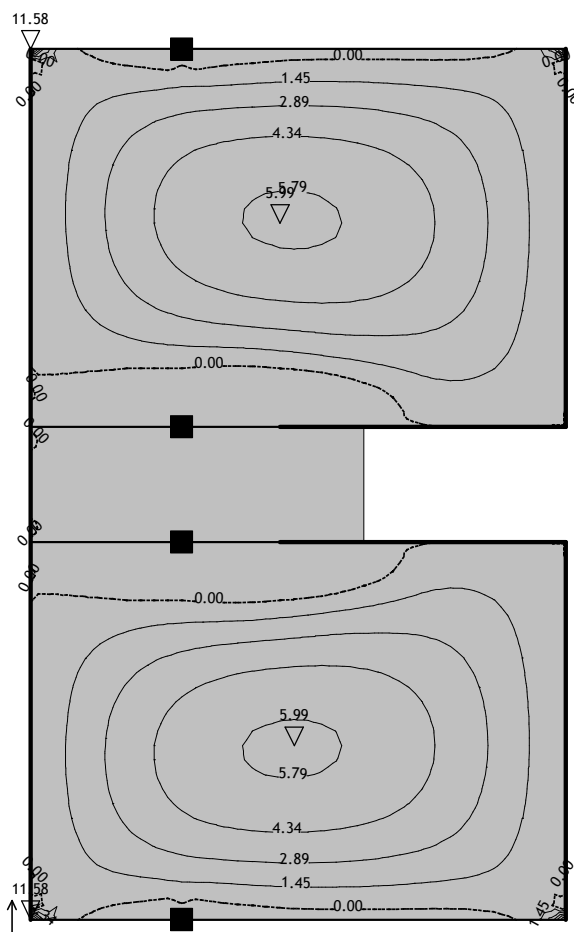
Merodajna optežba: Kompletna shema
EUROCODE, C 25, S500H



Nivo: NAD NADSTROPJEM [7.37 m]
Armatura v gredah: max $A_{a,sl}=3.59 \text{ cm}^2$
Merodajna optežba: Kompletna shema
EUROCODE, C 25, S500H, $a=2.00 \text{ cm}$

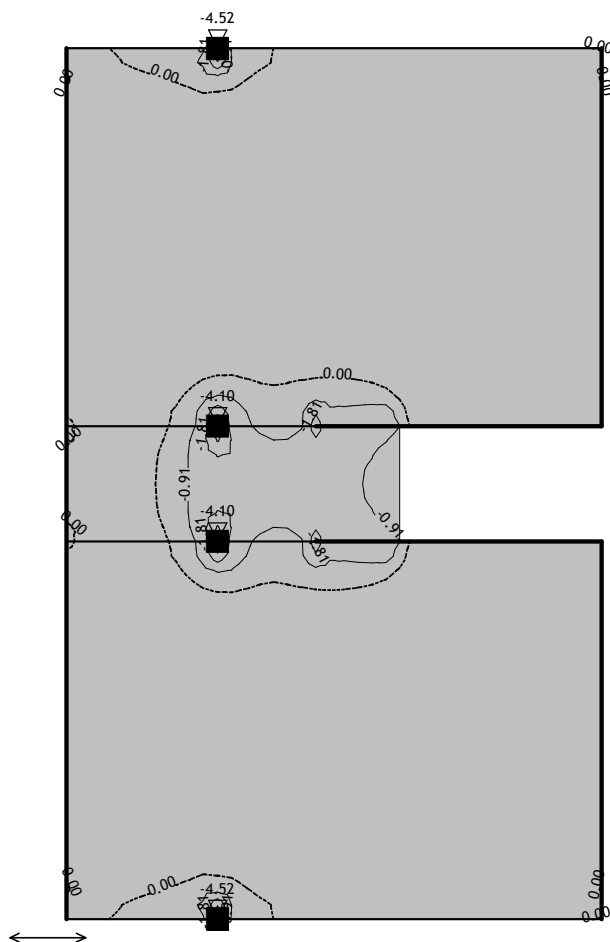


Nivo: NAD PRITLIČJEM [3.65 m]
 $A_a - \text{sp.cona} - \text{Smer 1} - \text{max } A_{a1,s}=3.80 \text{ cm}^2/\text{m}$

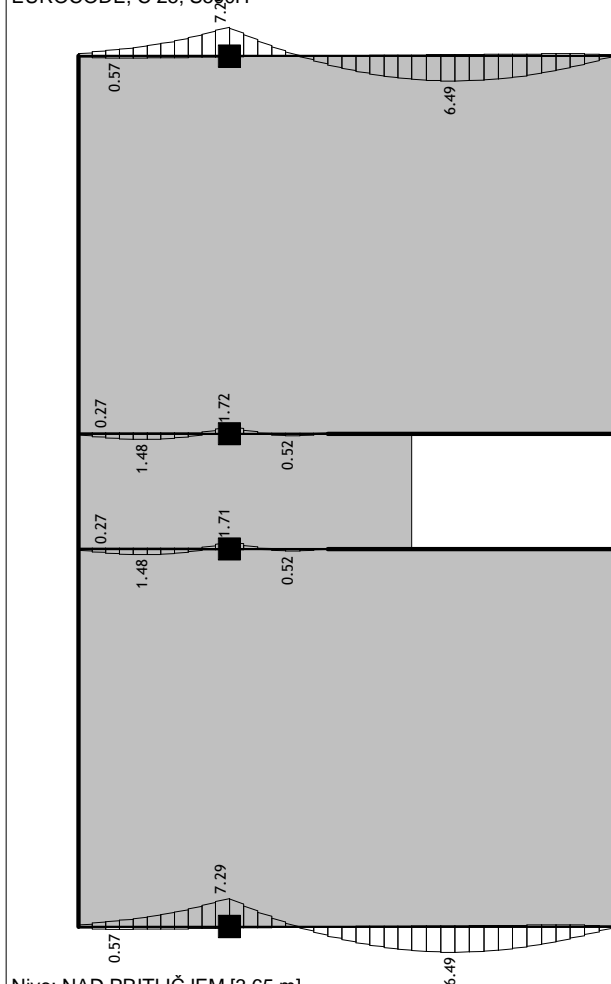


Nivo: NAD PRITLIČJEM [3.65 m]
 $A_a - \text{sp.cona} - \text{Smer 2} - \text{max } A_{a2,s}=11.58 \text{ cm}^2/\text{m}$

Merodajna obtežba: Kompletna shema
EUROCODE, C 25, S500H, a=2.00 cm

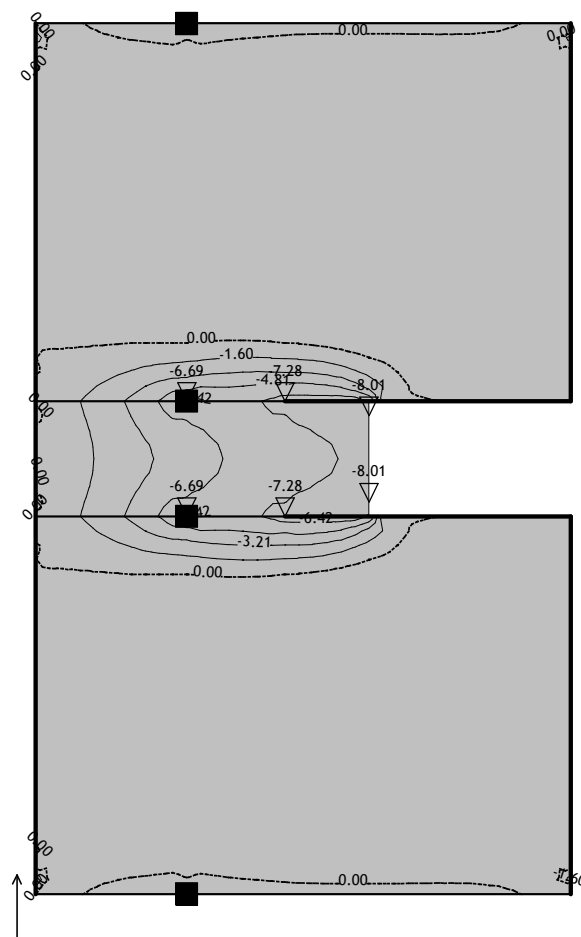


Nivo: NAD PRITLIČJEM [3.65 m]
Aa - zg.cona - Smer 1 - max Aa1,z= -4.52 cm²/m
Merodajna obtežba: Kompletna shema
EUROCODE, C 25, S500H

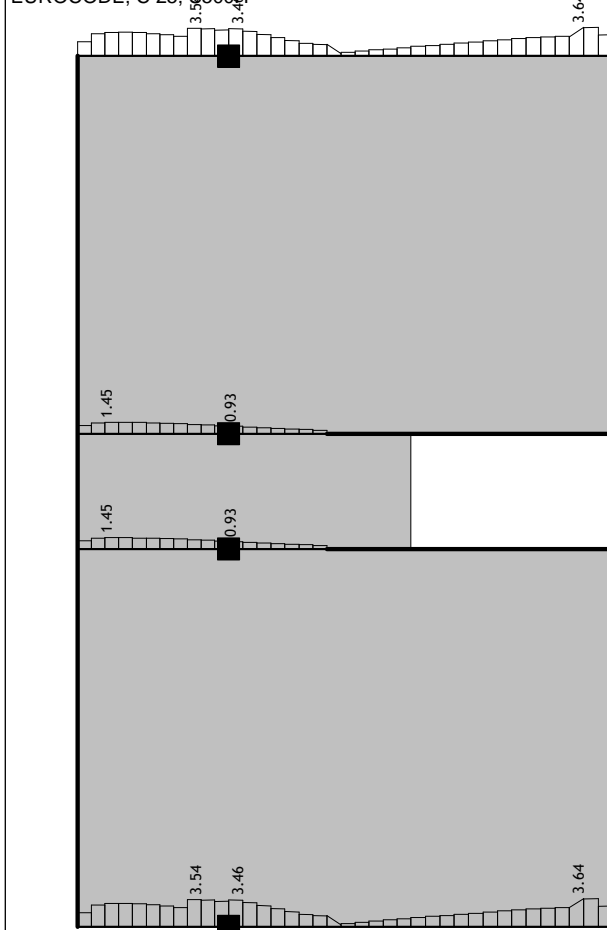


Nivo: NAD PRITLIČJEM [3.65 m]
Armatura v gredah: max Aa2/Aa1= 7.29 cm²

Merodajna obtežba: Kompletna shema
EUROCODE, C 25, S500H, a=2.00 cm

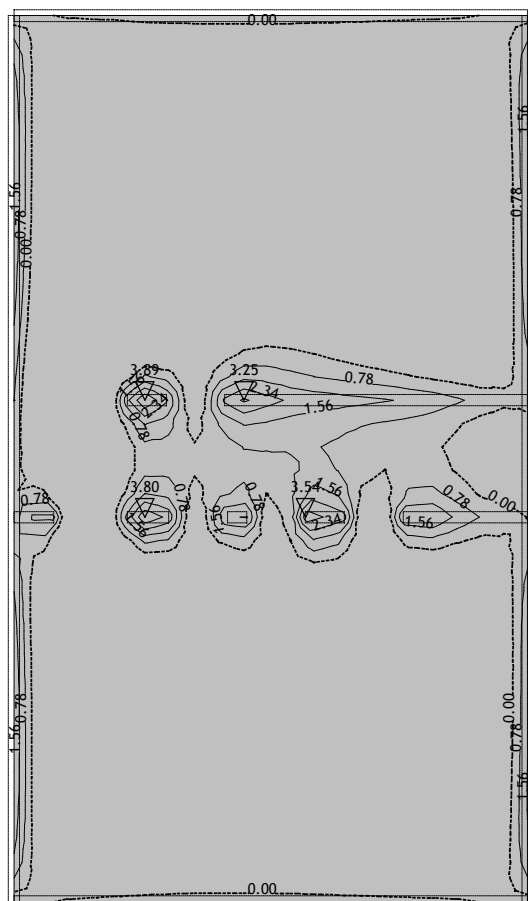


Nivo: NAD PRITLIČJEM [3.65 m]
Aa - zg.cona - Smer 2 - max Aa2,z= -8.01 cm²/m
Merodajna obtežba: Kompletna shema
EUROCODE, C 25, S500H



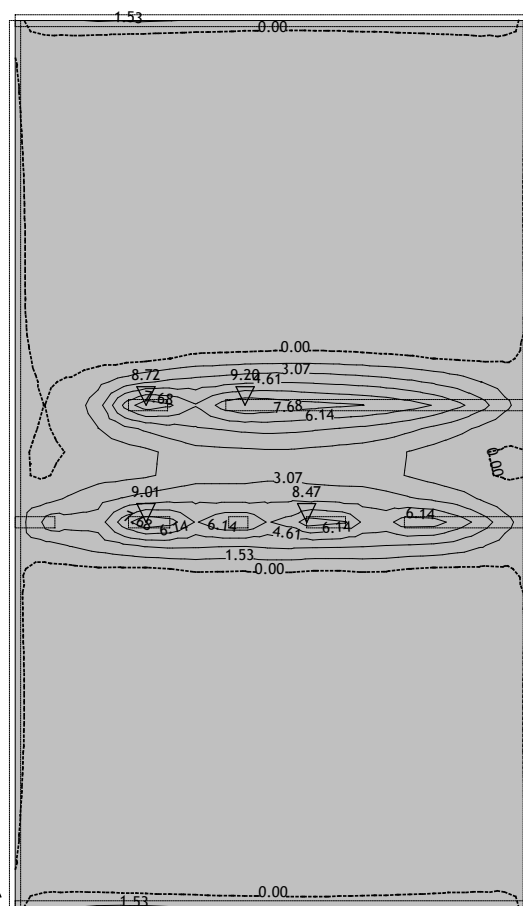
Nivo: NAD PRITLIČJEM [3.65 m]
Armatura v gredah: max Aa,st= 3.64 cm²

Merodajna obtežba: Kompletna shema
EUROCODE, C 25, S500H, a=2.00 cm

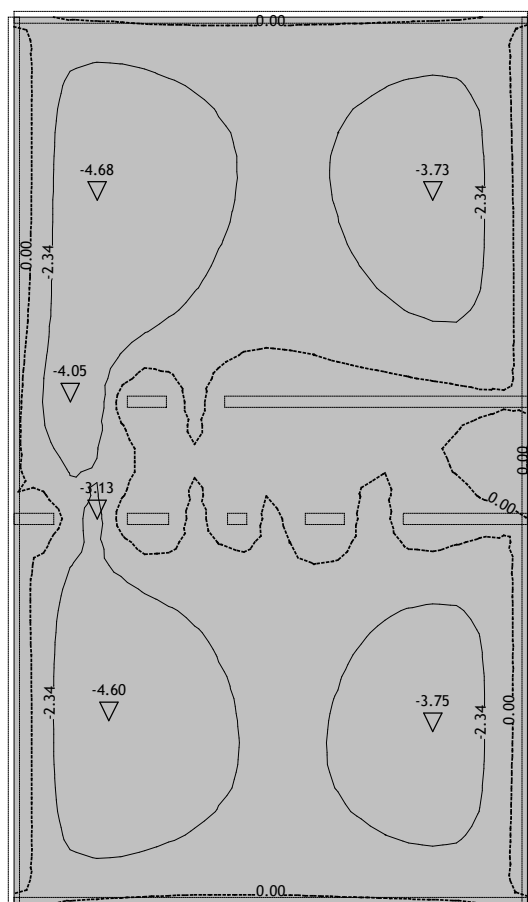


Nivo: TEMELJNA PLOŠČA [-4.02 m]
Aa - sp.cona - Smer 1 - max Aa1,s= 3.89 cm²/m
Merodajna obtežba: Kompletna shema
EUROCODE, C 25, S500H, a=2.00 cm

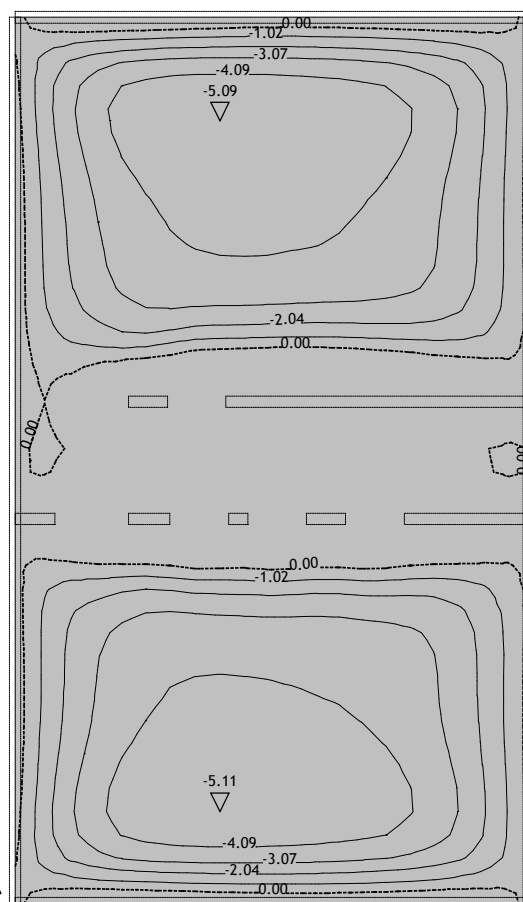
Merodajna obtežba: Kompletna shema
EUROCODE, C 25, S500H, a=2.00 cm



Nivo: TEMELJNA PLOŠČA [-4.02 m]
Aa - sp.cona - Smer 2 - max Aa2,s= 9.20 cm²/m
Merodajna obtežba: Kompletna shema
EUROCODE, C 25, S500H, a=2.00 cm

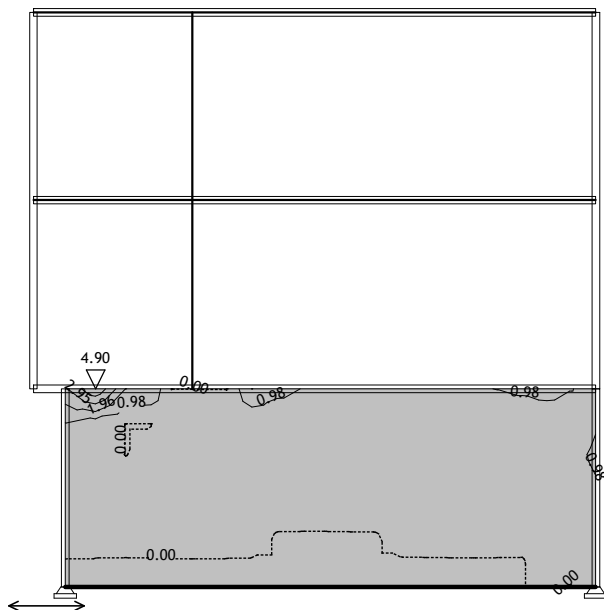


Nivo: TEMELJNA PLOŠČA [-4.02 m]
Aa - zg.cona - Smer 1 - max Aa1,z= -4.68 cm²/m



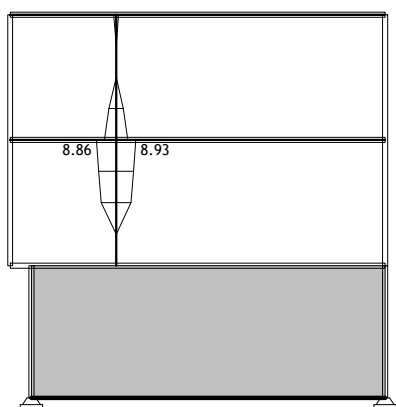
Nivo: TEMELJNA PLOŠČA [-4.02 m]
Aa - zg.cona - Smer 2 - max Aa2,z= -5.11 cm²/m

Merodajna obtežba: Kompletna shema
EUROCODE, C 25, S500H, a=2.00 cm



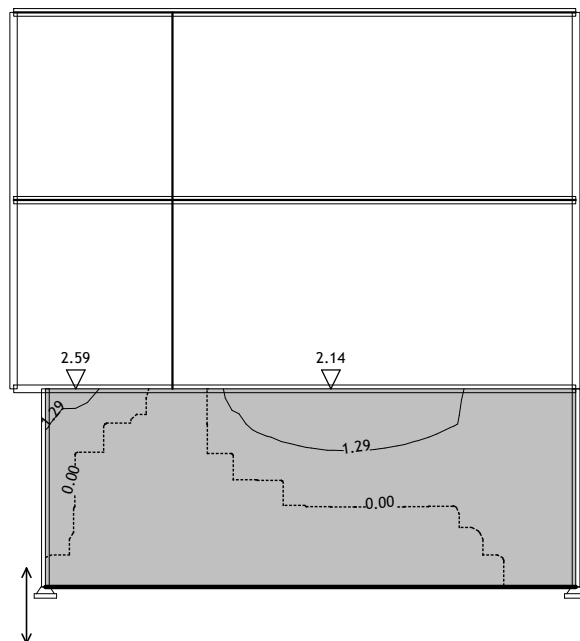
Okvir: H_1
Aa - sp.cona - Smer 1 - max Aa1,s= 4.90 cm2/m

Merodajna obtežba: Kompletna shema
EUROCODE, C 25, S500H



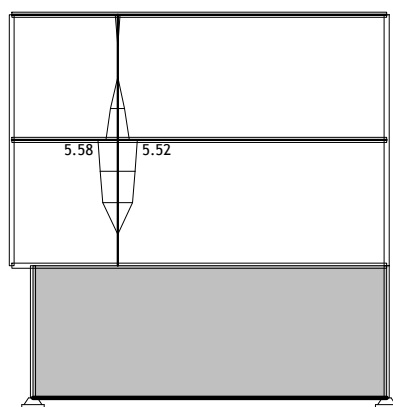
Okvir: H_1
Armatura v gredah: max Aa2/Aa1= 8.93 cm2

Merodajna obtežba: Kompletna shema
EUROCODE, C 25, S500H, a=2.00 cm



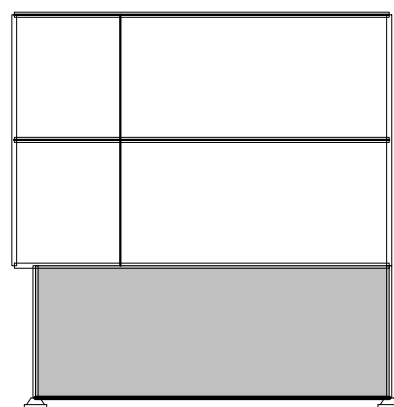
Okvir: H_1
Aa - sp.cona - Smer 2 - max Aa2,s= 2.59 cm2/m

Merodajna obtežba: Kompletna shema
EUROCODE, C 25, S500H



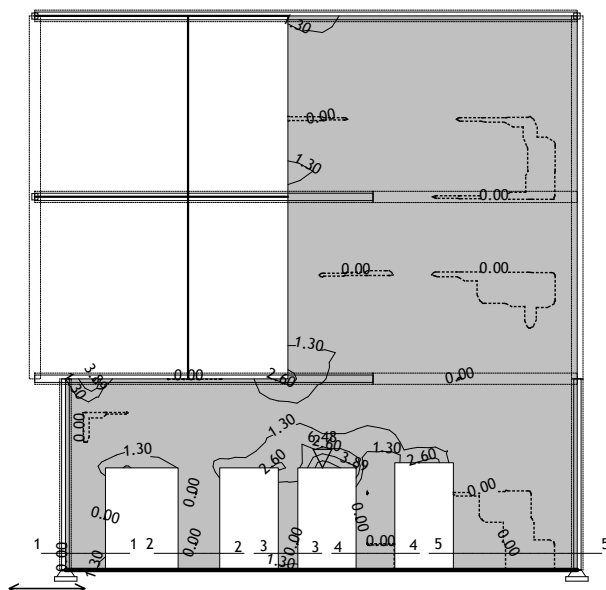
Okvir: H_1
Armatura v gredah: max Aa3/Aa4= 5.58 cm2

Merodajna obtežba: Kompletna shema
EUROCODE, C 25, S500H



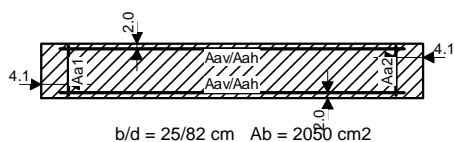
Okvir: H_1
Armatura v gredah: max Aa,st= 4.59 cm2

Merodajna optežba: Kompletna shema
EUROCODE, C 25, S500H, a=2.00 cm

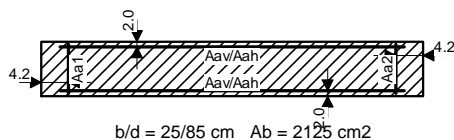


Okvir: H_2
Aa - sp.cona - Smer 1 - max Aa1,s= 6.48 cm²/m

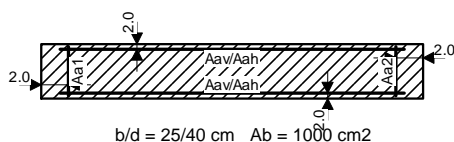
Prerez 1 - 1
EUROCODE
C 25
Vogalna armatura S500H
Vzdolžna armatura S500H
Kompletna optežna shema



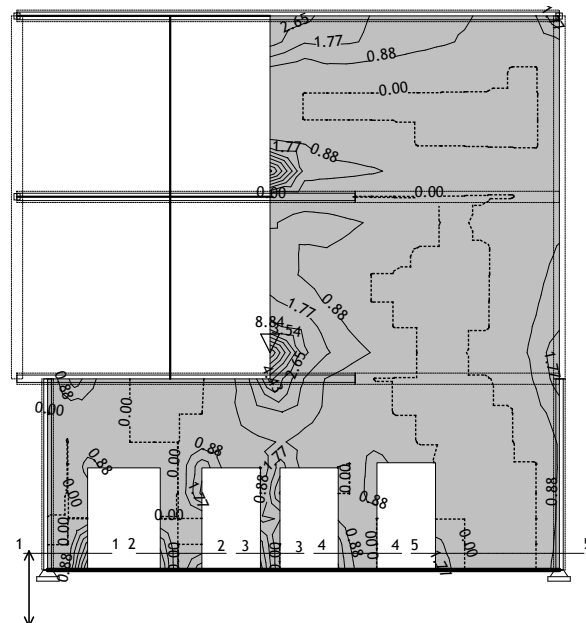
Prerez 2 - 2
EUROCODE
C 25
Vogalna armatura S500H
Vzdolžna armatura S500H
Kompletna optežna shema



Prerez 3 - 3
EUROCODE
C 25
Vogalna armatura S500H
Vzdolžna armatura S500H
Kompletna optežna shema



Merodajna optežba: Kompletna shema
EUROCODE, C 25, S500H, a=2.00 cm



Okvir: H_2
Aa - sp.cona - Smer 2 - max Aa2,s= 8.84 cm²/m

Merodajna kombinacija za upogib:
I+0.30xII-1.00xIII(2)
Merodajna kombinacija za strig:
I+0.30xII-1.00xIII(2)
Mu = -39.98 kNm
Nu = 14.82 kN
Tu = 141.85 kN

$\epsilon_b/\epsilon_a = -1.592/25.000 \text{ ‰}$
Aa1 = 0.00 cm² (min:3.07)
Aa2 = 0.00 cm² (min:3.07)
Aav = $\pm 1.83 \text{ cm}^2/\text{m}$ (min: ± 1.88)
Aah = $\pm 2.19 \text{ cm}^2/\text{m}$ (min: ± 2.50)

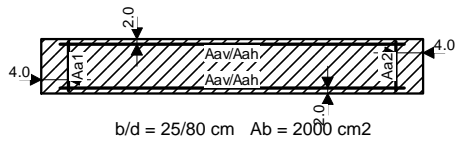
Merodajna kombinacija za upogib:
I+III(2)
Merodajna kombinacija za strig:
I+0.30xII-1.00xIII(2)
Mu = 41.25 kNm
Nu = -77.42 kN
Tu = 111.14 kN

$\epsilon_b/\epsilon_a = -1.592/25.000 \text{ ‰}$
Aa1 = 0.00 cm² (min:3.19)
Aa2 = 0.00 cm² (min:3.19)
Aav = $\pm 0.36 \text{ cm}^2/\text{m}$ (min: ± 1.88)
Aah = $\pm 1.65 \text{ cm}^2/\text{m}$ (min: ± 2.50)

Merodajna kombinacija za upogib:
I+III(2)
Merodajna kombinacija za strig:
I+0.30xII-1.00xIII(2)
Mu = 6.29 kNm
Nu = 15.83 kN
Tu = 16.98 kN

$\epsilon_b/\epsilon_a = -1.230/25.000 \text{ ‰}$
Aa1 = 0.00 cm² (min:1.50)
Aa2 = 0.00 cm² (min:1.50)
Aav = $\pm 1.55 \text{ cm}^2/\text{m}$ (min: ± 1.88)
Aah = $\pm 0.54 \text{ cm}^2/\text{m}$ (min: ± 2.50)

Prerez 4 - 4
EUROCODE
C 25
Vogalna armatura S500H
Vzdolžna armatura S500H
Kompletna obtežna shema

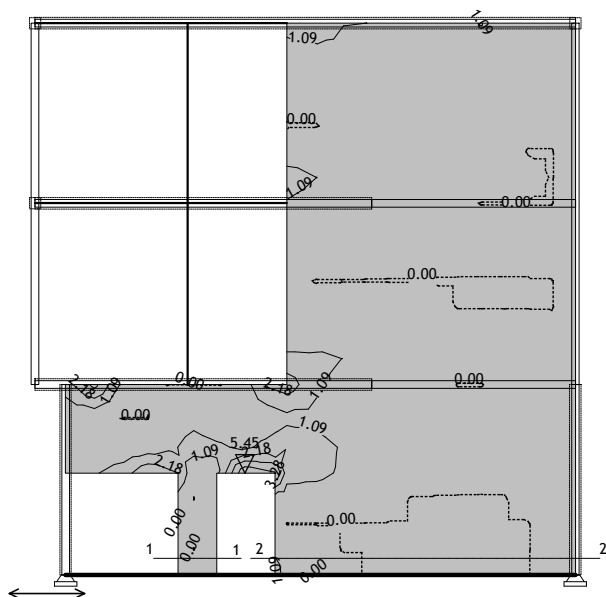


Merodajna kombinacija za upogib: I+III(2)
Merodajna kombinacija za strig: I+0.30II+III(2)
Mu = 26.73 kNm
Nu = -31.24 kN
Tu = -27.79 kN

 $\epsilon_b/\epsilon_a = -1.302/25.000 \%$
Aa1 = 0.00 cm2 (min:3.00)
Aa2 = 0.00 cm2 (min:3.00)
Aav = ±0.61 cm2/m (min:±1.88)
Aah = ±0.44 cm2/m (min:±2.50)

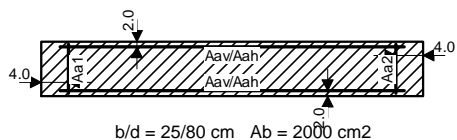
<p>Merodajna obtežba: Kompletna shema EUROCODE, C 25, S500H</p> <p>Okvir: H_2 Armatura v gredah: max Aa2/Aa1= 2.44 cm2</p>	<p>Merodajna obtežba: Kompletna shema EUROCODE, C 25, S500H</p> <p>Okvir: H_2 Armatura v gredah: max Aa3/Aa4= 1.53 cm2</p>	<p>Merodajna obtežba: Kompletna shema EUROCODE, C 25, S500H</p> <p>Okvir: H_2 Armatura v gredah: max Aa,st= 0.76 cm2</p>
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Merodajna obtežba: Kompletna shema
EUROCODE, C 25, S500H, a=2.00 cm



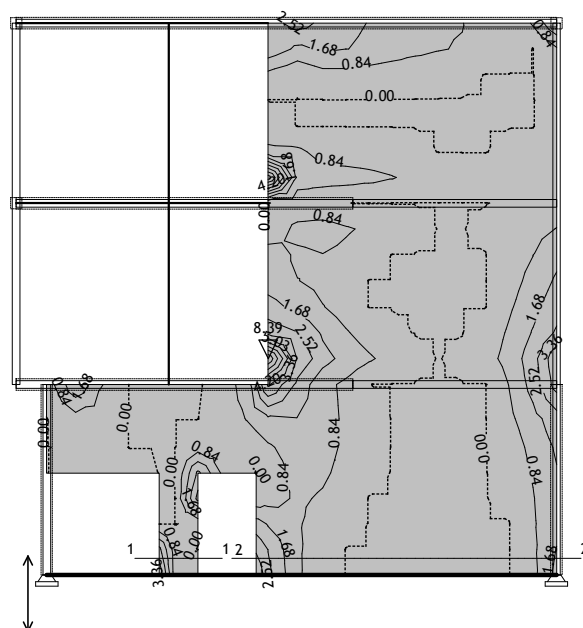
Okvir: H_3
Aa - sp.cona - Smer 1 - max Aa1,s= 5.45 cm²/m

Prerez 1 - 1
EUROCODE
C 25
Vogalna armatura S500H
Vzdolžna armatura S500H
Kompletna obtežna shema



b/d = 25/80 cm Ab = 2000 cm²

Merodajna obtežba: Kompletna shema
EUROCODE, C 25, S500H, a=2.00 cm



Okvir: H_3
Aa - sp.cona - Smer 2 - max Aa2,s= 8.39 cm²/m

Merodajna kombinacija za upogib:

I+III(2)

Merodajna kombinacija za strig:

I+0.30xII-1.00xIII(2)

Mu = 33.06 kNm

Nu = -32.10 kN

Tu = 78.42 kN

$\epsilon_b/\epsilon_a = -1.477/25.000 \%$

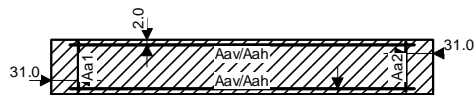
Aa1 = 0.00 cm² (min:3.00)

Aa2 = 0.00 cm² (min:3.00)

Aav = ±0.86 cm²/m (min:±1.88)

Aah = ±1.24 cm²/m (min:±2.50)

Prerez 2 - 2
EUROCODE
C 25
Vogalna armatura S500H
Vzdolžna armatura S500H
Kompletna obtežna shema



b/d = 25/620 cm Ab = 15500 cm²

Merodajna kombinacija za upogib: I+III(2)

Merodajna kombinacija za strig: I+0.30xII+III(2)

Mu = 1547.38 kNm

Nu = -499.95 kN

Tu = -525.17 kN

$\epsilon_b/\epsilon_a = -1.287/25.000 \%$

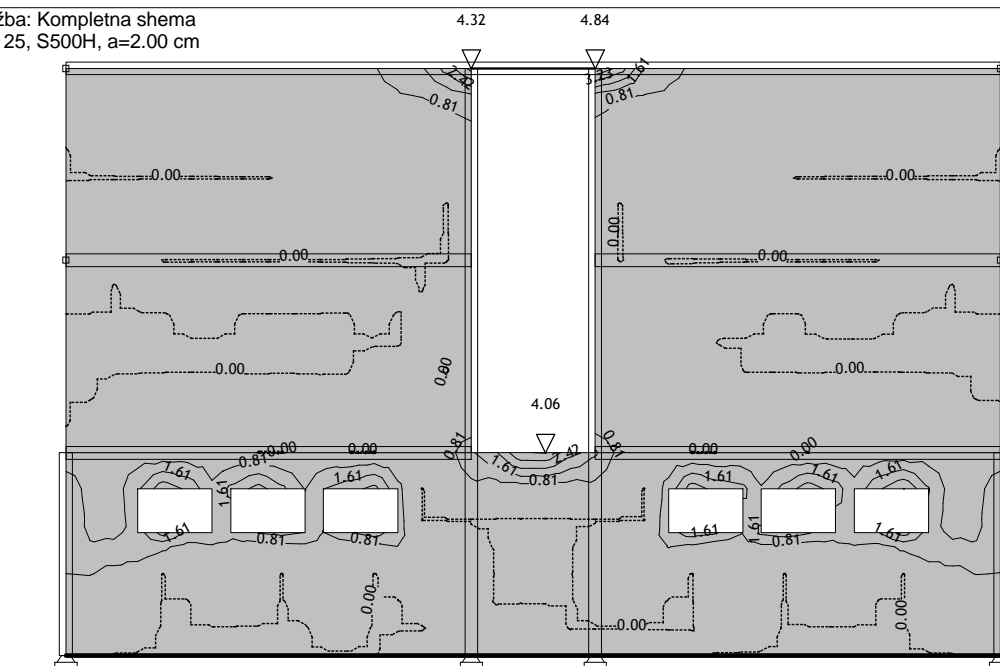
Aa1 = 0.00 cm² (min:23.25)

Aa2 = 0.00 cm² (min:23.25)

Aav = ±0.04 cm²/m (min:±1.88)

Aah = ±1.07 cm²/m (min:±2.50)

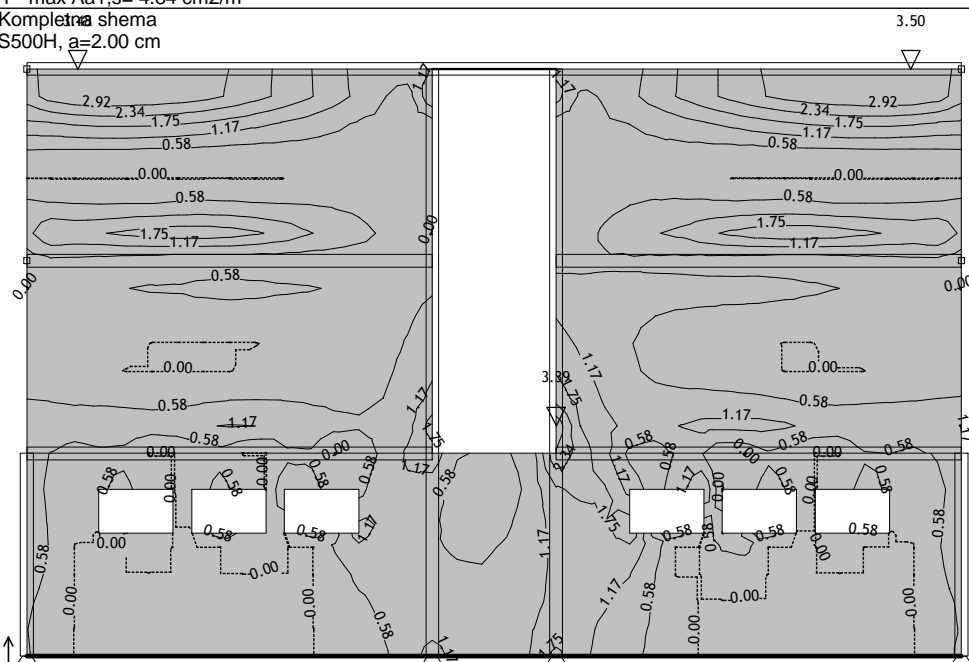
Merodajna obtežba: Kompletna shema
EUROCODE, C 25, S500H, a=2.00 cm



Okvir: V_3

Aa - sp.cona - Smer 1 - max Aa1,s= 4.84 cm²/m

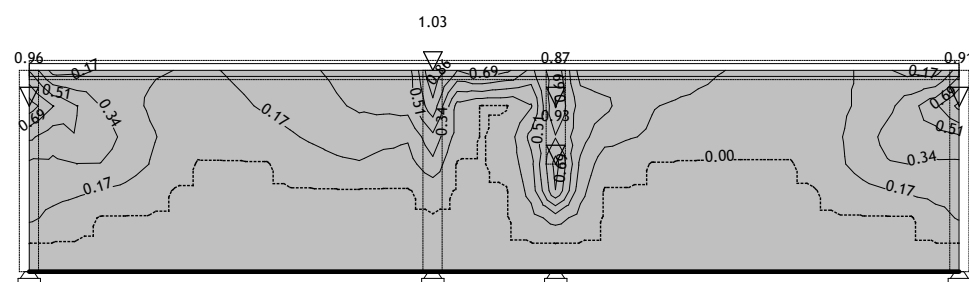
Merodajna obtežba: Kompletna shema
EUROCODE, C 25, S500H, a=2.00 cm



Okvir: V_3

Aa - sp.cona - Smer 2 - max Aa2,s= 3.50 cm²/m

Merodajna obtežba: Kompletna shema
EUROCODE, C 25, S500H, a=2.00 cm



Okvir: V_2

Aa - sp.cona - Smer 1 - max Aa1,s= 1.03 cm²/m

