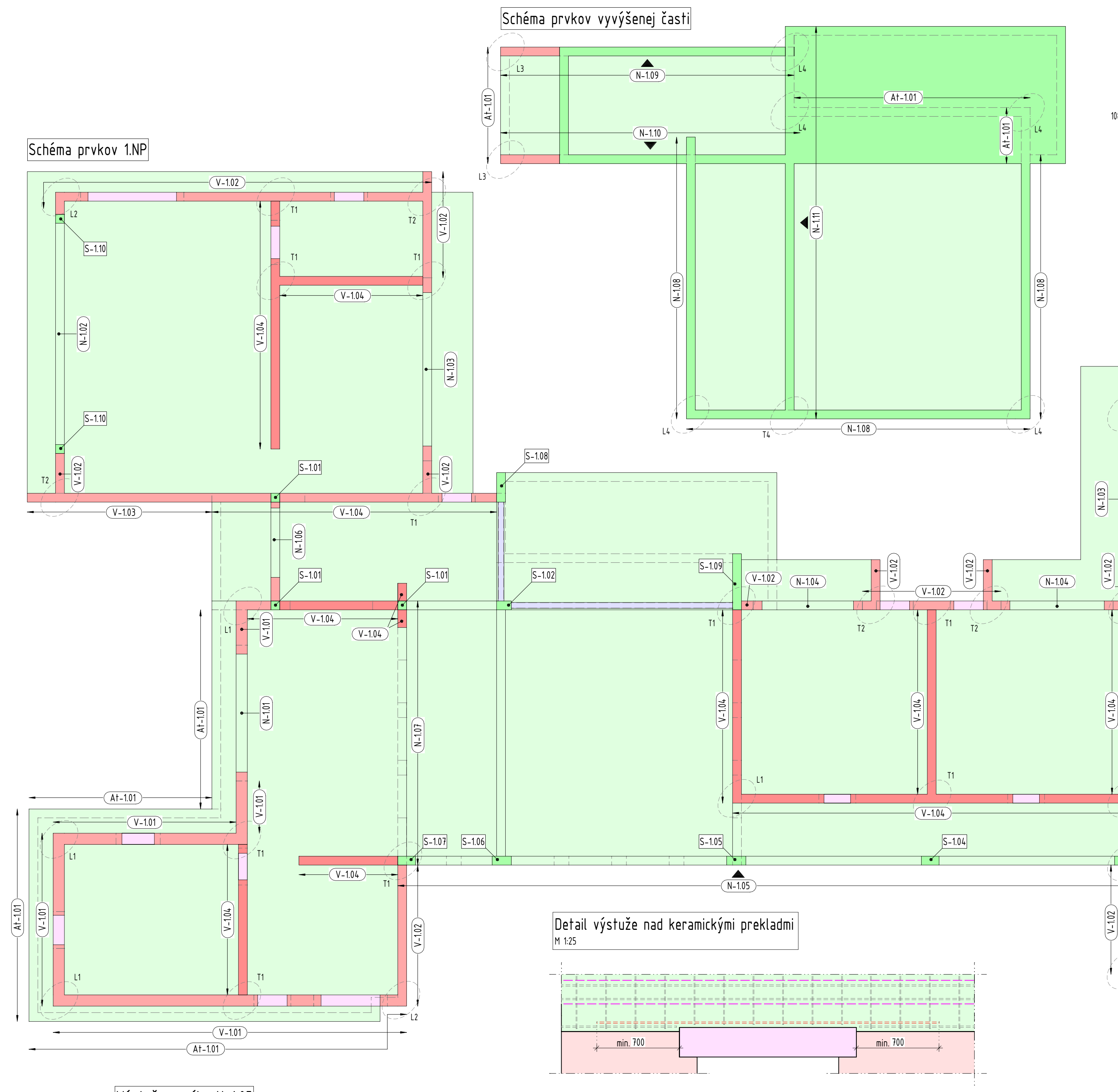
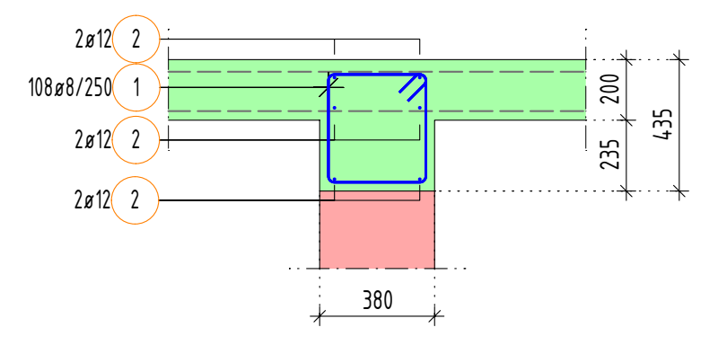
Schéma prvkov vyvýšenej časti

Schéma prvkov 1.NP

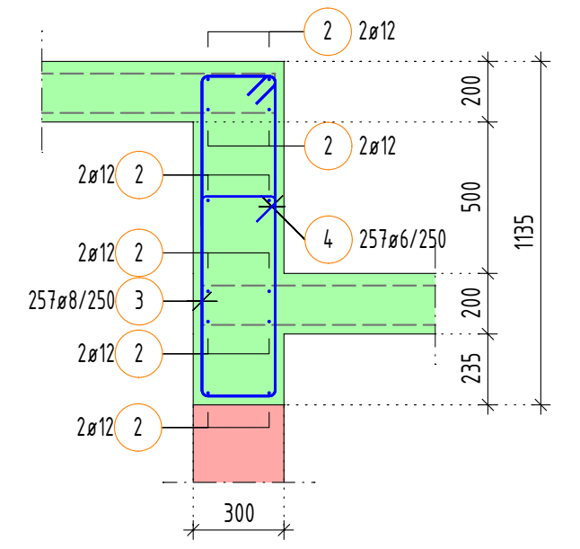

L3
L4
N-1.09
N-1.10
At-1.01
N-1.11
N-1.08
T4
V-1.02
V-1.03
V-1.04
N-1.02
N-1.03
N-1.06
N-1.07
S-1.10
L2
T1
T2
T3
S-1.01
S-1.02
S-1.03
S-1.04
S-1.05
S-1.06
S-1.07
S-1.08
S-1.09
N-1.04
V-1.01
N-1.01
At-1.01
L1
N-1.05
min. 700
min. 700

Detail výstuže nad keramickými prekladmi
M 1:25

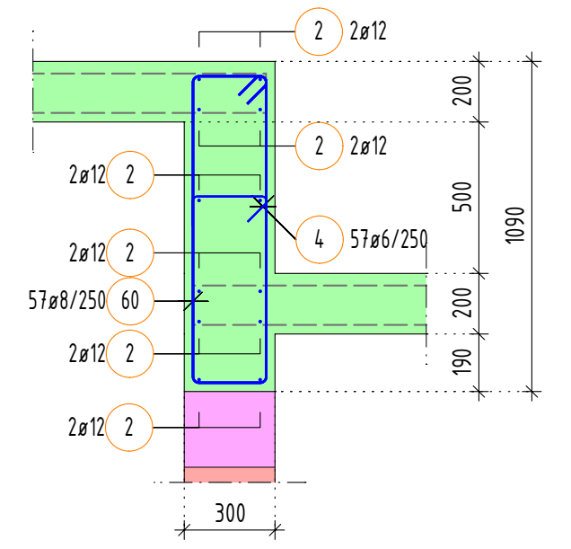
Výstuž venca V-1.01
Dĺžka = 26,95 b.m.
Rez, M1:25, Cnom = 25mm


2ø12 2
108ø8/250 1
2ø12 2
2ø12 2
200
235
435
380

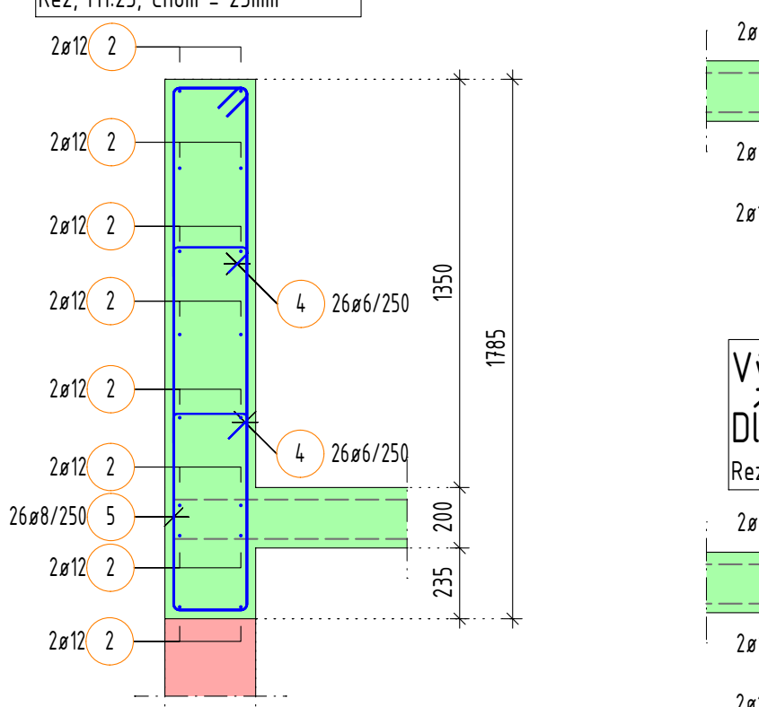
Výstuž venca V-1.02a
Dĺžka = 50,00 b.m.
Rez, M1:25, Cnom = 25mm


2 2ø12
2 2ø12
2ø12 2
4 257ø6/250
2ø12 2
257ø8/250 3
2ø12 2
2ø12 2
200
500
200
235
1135
300

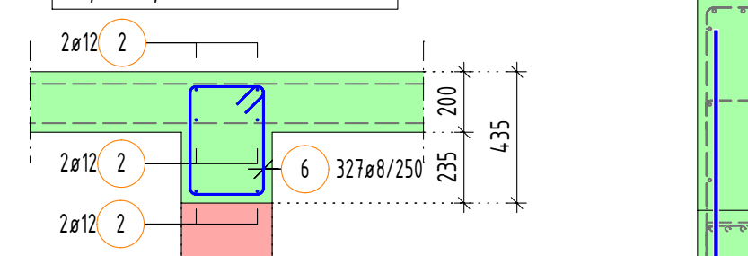
Výstuž venca V-1.02b
Dĺžka = 14,25 b.m.
Rez, M1:25, Cnom = 25mm


2 2ø12
2ø12 2
2 2ø12
2ø12 2
4 57ø6/250
57ø8/250 60
2ø12 2
2ø12 2
200
500
200
190
1090
300

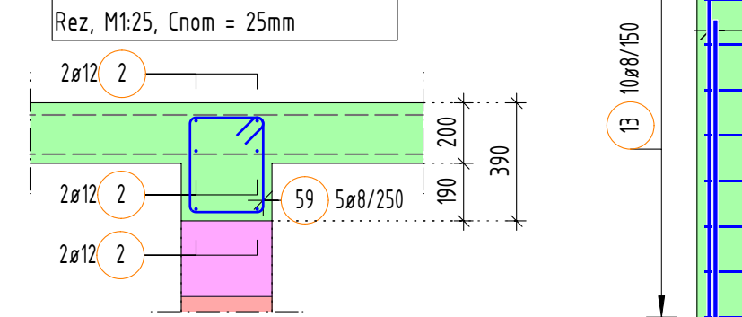
Výstuž venca V-1.03
Dĺžka = 6,25 b.m.
Rez, M1:25, Cnom = 25mm


2ø12 2
2ø12 2
2ø12 2
2ø12 2
4 26ø6/250
2ø12 2
2ø12 2
4 26ø6/250
26ø8/250 5
2ø12 2
2ø12 2
1350
1785
200
235
300

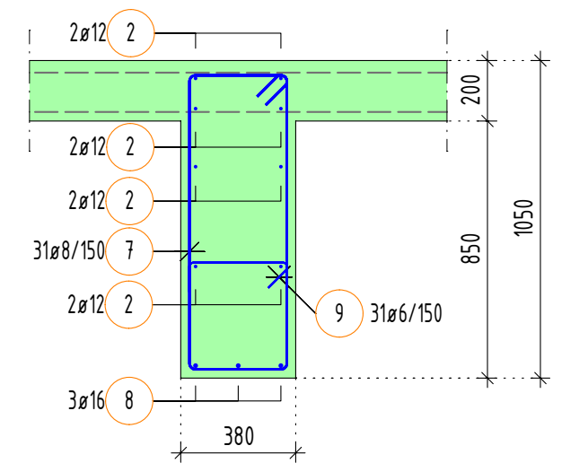
Výstuž venca V-1.04a
Dĺžka = 80,35 b.m.
Rez, M1:25, Cnom = 25mm


2ø12 2
2ø12 2
6 327ø8/250
2ø12 2
200
235
435
300

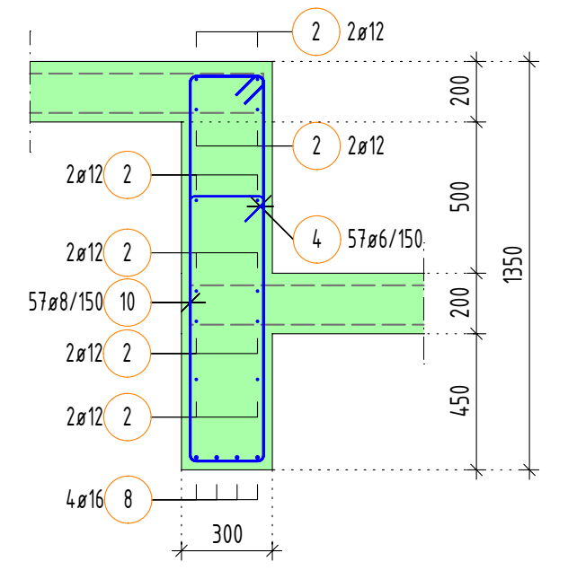
Výstuž venca V-1.04b
Dĺžka = 1,25 b.m.
Rez, M1:25, Cnom = 25mm


2ø12 2
2ø12 2
59 5ø8/250
2ø12 2
200
190
390
300

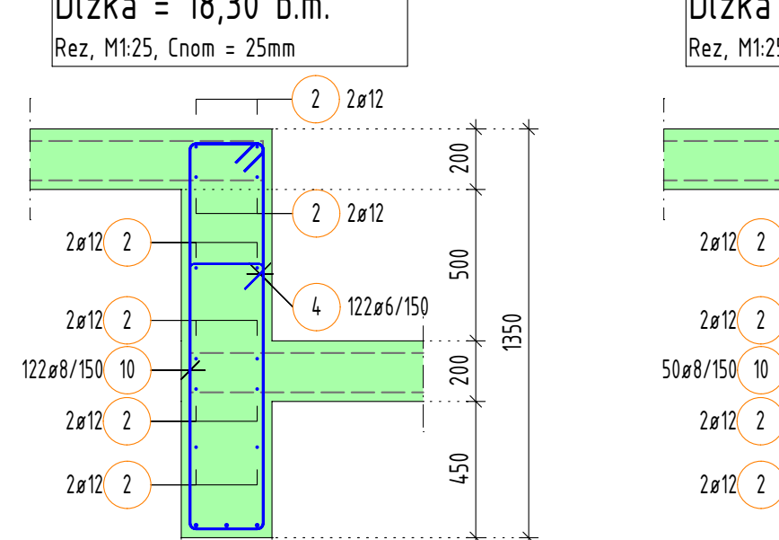
Výstuž nosníka N-1.01
Dĺžka = 4,60 b.m.
Rez, M1:25, Cnom = 25mm


2ø12 2
2ø12 2
2ø12 2
31ø8/150 7
2ø12 2
9 31ø6/150
3ø16 8
200
850
1050
380

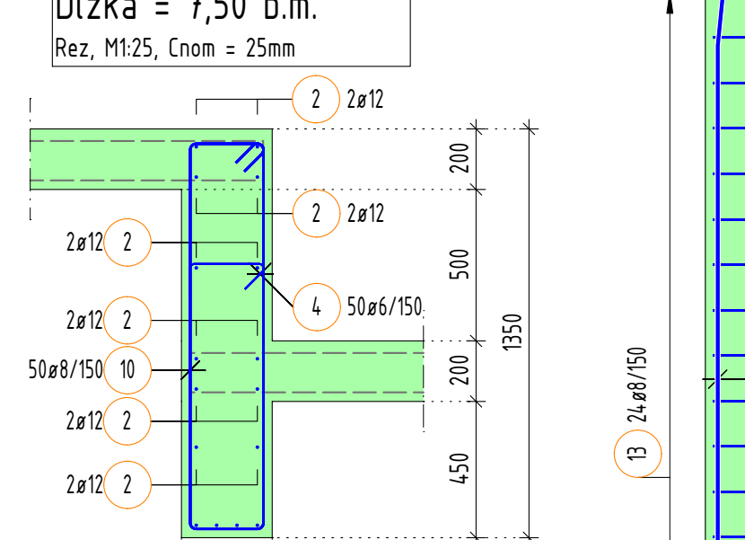
Výstuž nosníka N-1.02
Dĺžka = 8,50 b.m.
Rez, M1:25, Cnom = 25mm


2 2ø12
2ø12 2
2 2ø12
4 57ø6/150
2ø12 2
57ø8/150 10
2ø12 2
2ø12 2
4ø16 8
200
500
200
450
1350
300

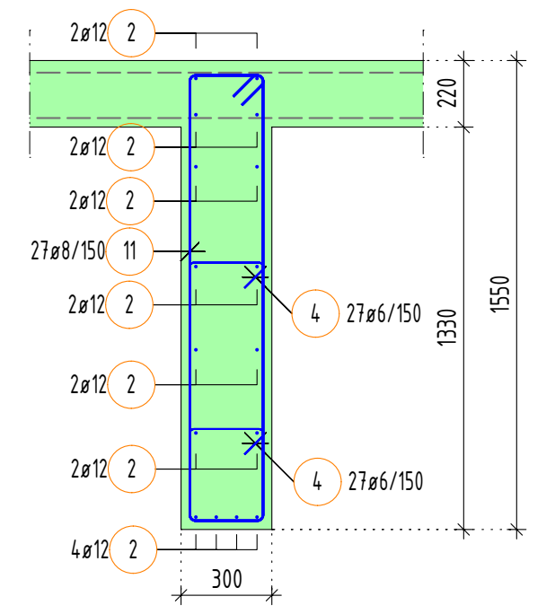
Výstuž nosníka N-1.03
Dĺžka = 18,30 b.m.
Rez, M1:25, Cnom = 25mm


2 2ø12
2ø12 2
2 2ø12
2ø12 2
4 122ø6/150
122ø8/150 10
2ø12 2
2ø12 2
3ø16 8
200
500
200
450
1350
300

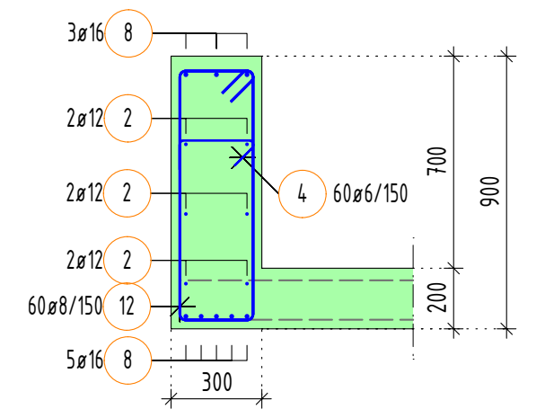
Výstuž nosníka N-1.04
Dĺžka = 7,50 b.m.
Rez, M1:25, Cnom = 25mm


2 2ø12
2ø12 2
2 2ø12
2ø12 2
4 50ø6/150
50ø8/150 10
2ø12 2
2ø12 2
4ø12 2
200
500
200
450
1350
300

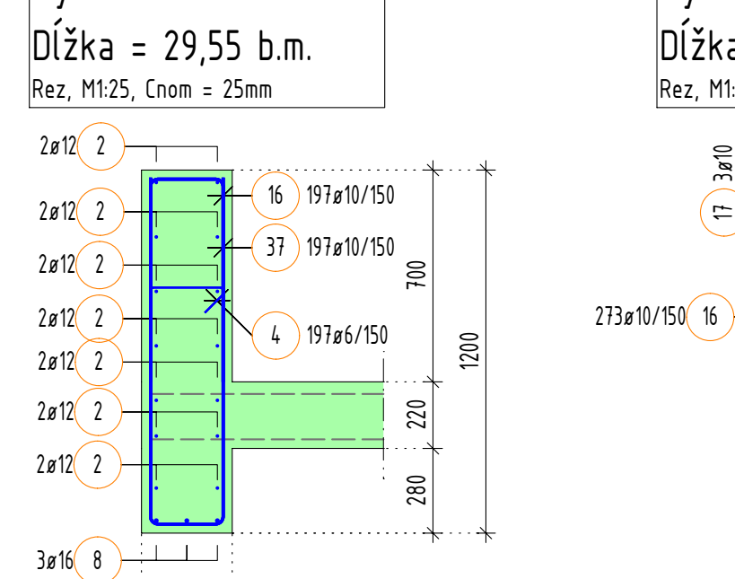
Výstuž nosníka N-1.06
Dĺžka = 3,95 b.m.
Rez, M1:25, Cnom = 25mm


2ø12 2
2ø12 2
2ø12 2
27ø8/150 11
2ø12 2
4 27ø6/150
2ø12 2
2ø12 2
4 27ø6/150
4ø12 2
220
1330
1550
300

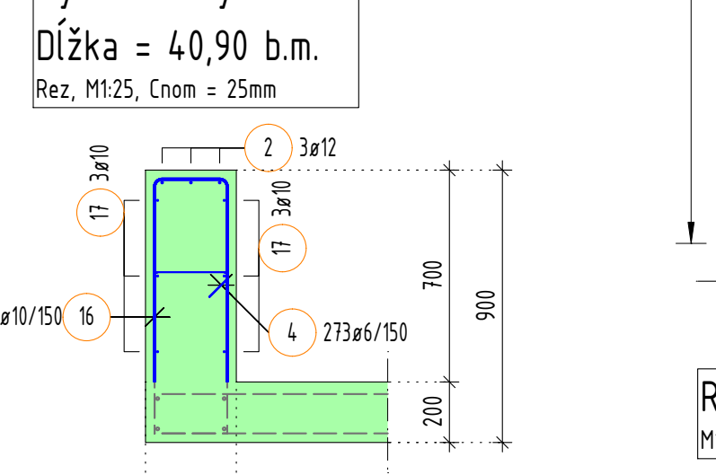
Výstuž nosníka N-1.07
Dĺžka = 8,95 b.m.
Rez, M1:25, Cnom = 25mm


3ø16 8
2ø12 2
2ø12 2
4 60ø6/150
2ø12 2
60ø8/150 12
5ø16 8
700
200
900
300

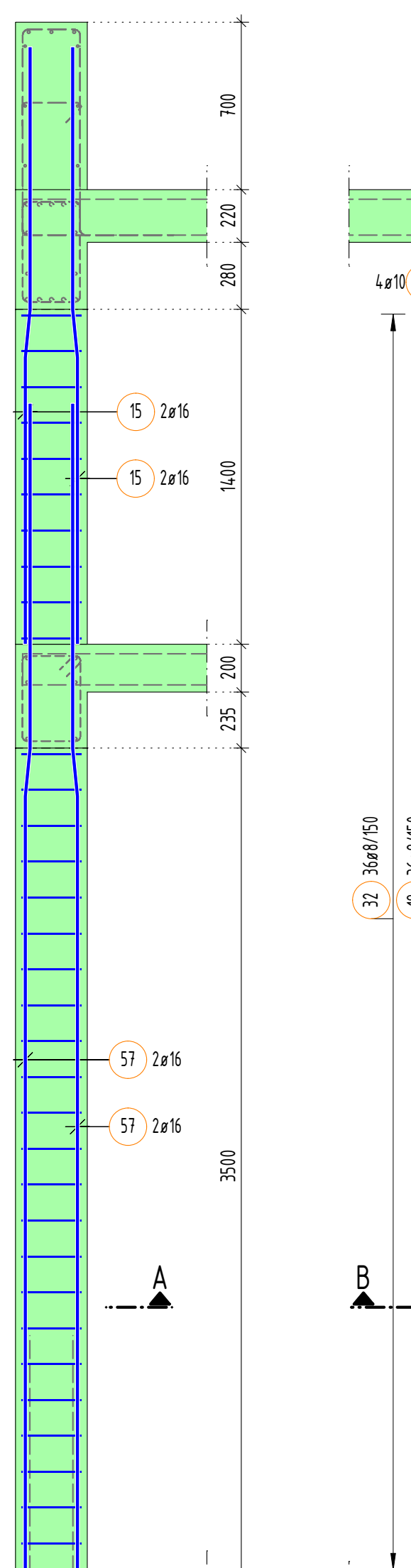
Výstuž nosníka N-1.08
Dĺžka = 29,55 b.m.
Rez, M1:25, Cnom = 25mm


2ø12 2
2ø12 2
16 197ø10/150
37 197ø10/150
2ø12 2
2ø12 2
4 197ø6/150
2ø12 2
2ø12 2
3ø16 8
700
220
280
1200
300

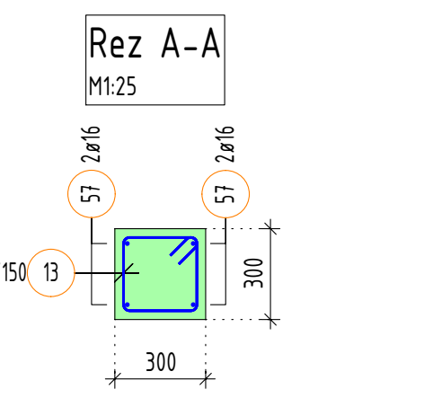
Výstuž atiky At-1.01
Dĺžka = 40,90 b.m.
Rez, M1:25, Cnom = 25mm


2 3ø12
17 3ø10
17 3ø10
273ø10/150 16
4 273ø6/150
700
200
900
300

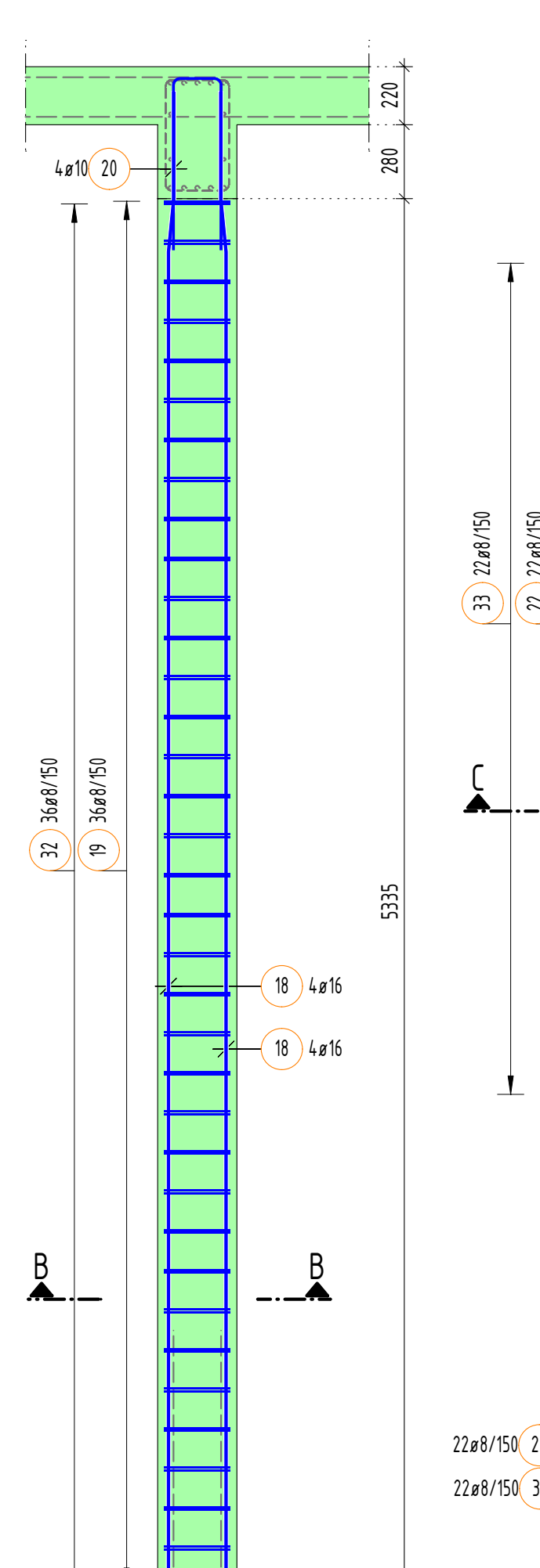
Výstuž stĺpa S-1.01 - 3x
Pohľad, M1:25, Cnom = 25mm


700
220
280
1400
200
235
3500
15 2ø16
15 2ø16
13 10ø8/150
13 24ø8/150
57 2ø16
57 2ø16
A
A
300

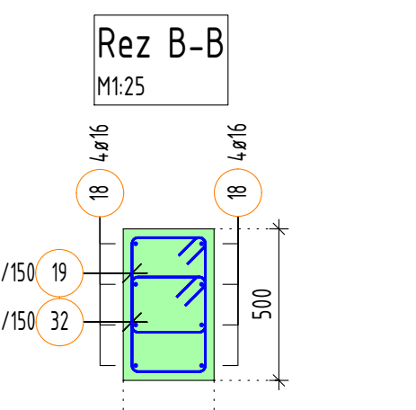
Rez A-A
M1:25


57 2ø16
57 2ø16
24ø8/150 13
300
300

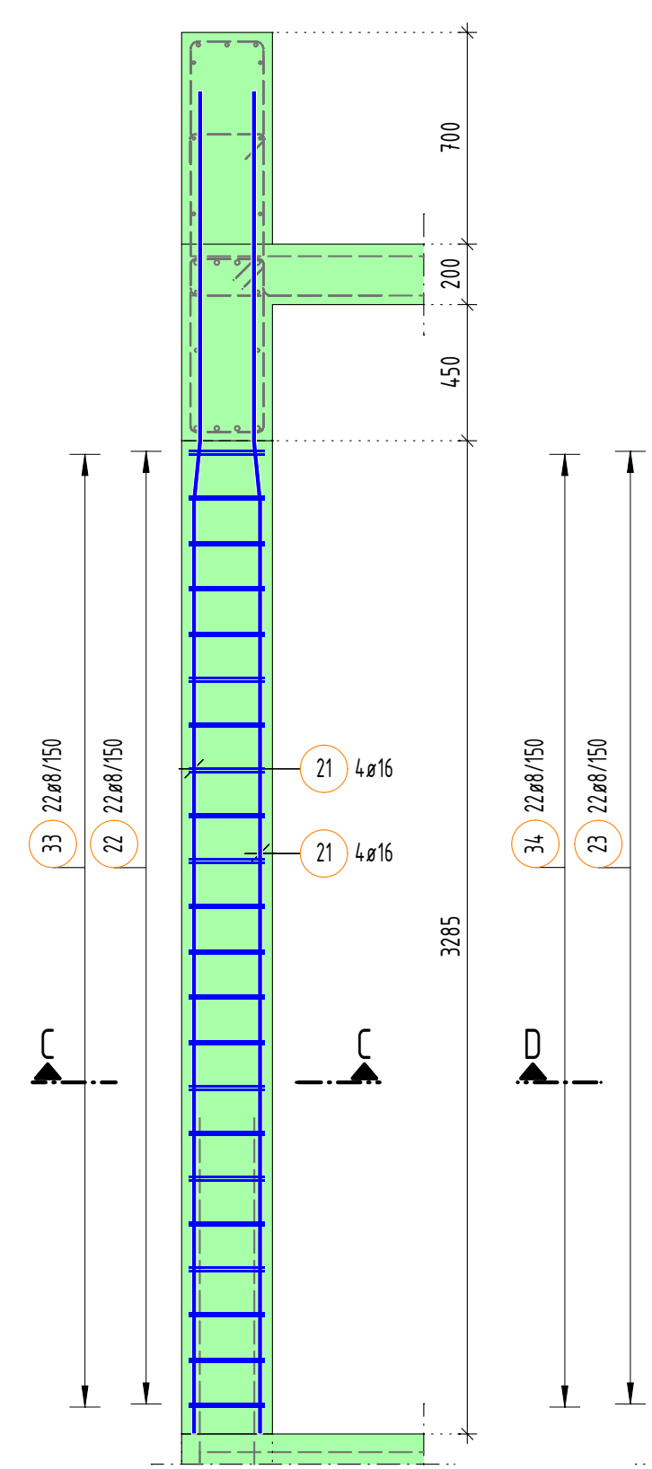
Výstuž stĺpa S-1.02
Pohľad, M1:25, Cnom = 25mm


220
280
5335
4ø10 20
32 36ø8/150
19 36ø8/150
18 4ø16
18 4ø16
B
B
300

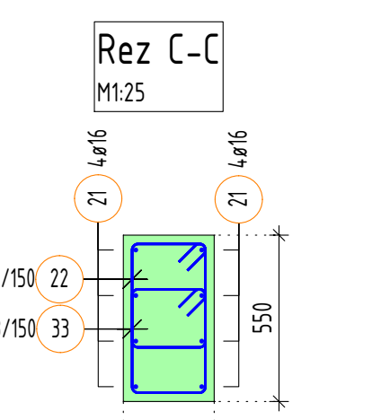
Rez B-B
M1:25


18 4ø16
18 4ø16
36ø8/150 19
36ø8/150 32
500
300

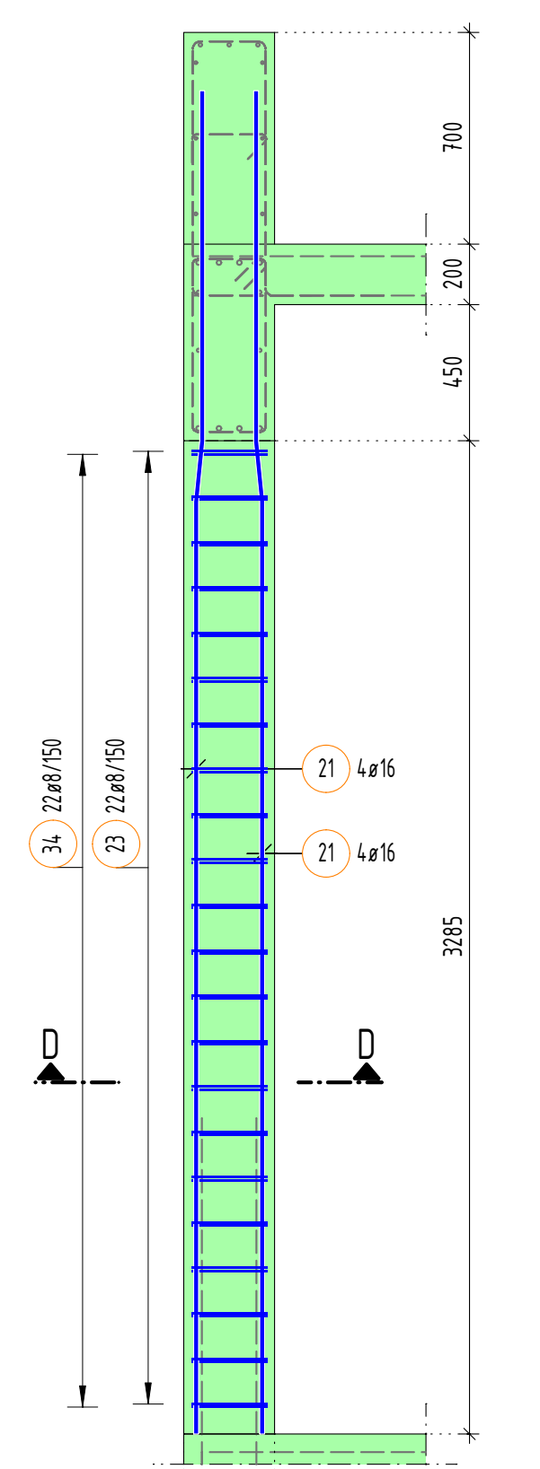
Výstuž stĺpa S-1.03
Pohľad, M1:25, Cnom = 25mm


700
200
450
3285
33 22ø8/150
22 22ø8/150
21 4ø16
21 4ø16
C
C
300

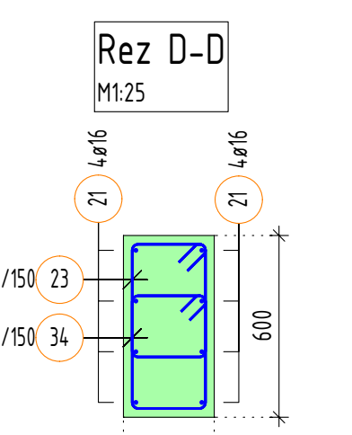
Rez C-C
M1:25


21 4ø16
21 4ø16
22ø8/150 22
22ø8/150 33
550
300

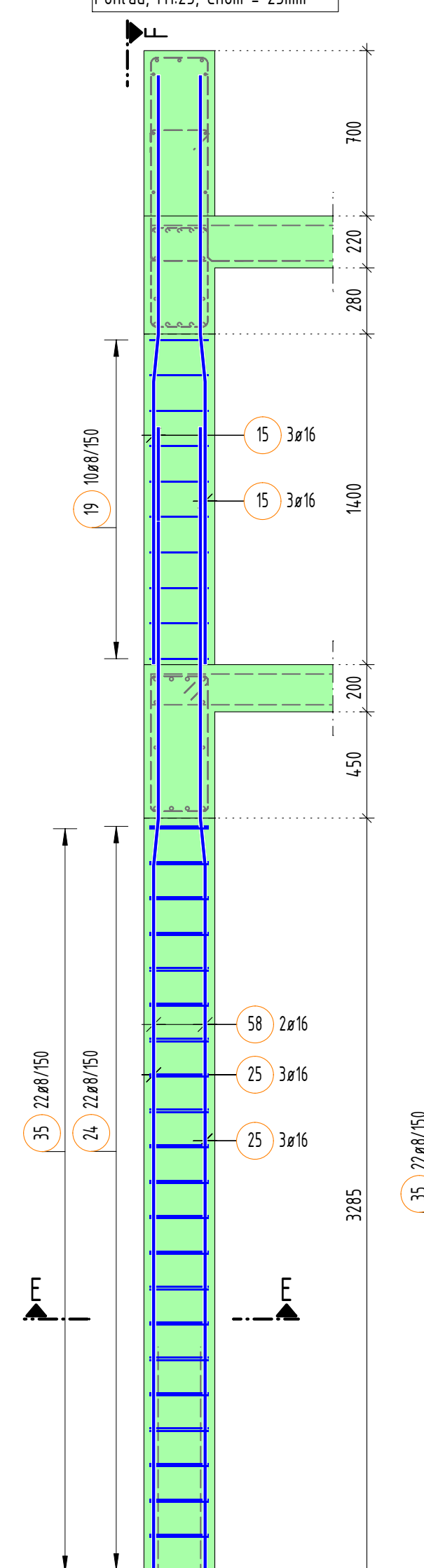
Výstuž stĺpa S-1.04
Pohľad, M1:25, Cnom = 25mm


700
200
450
3285
34 22ø8/150
23 22ø8/150
21 4ø16
21 4ø16
D
D
300

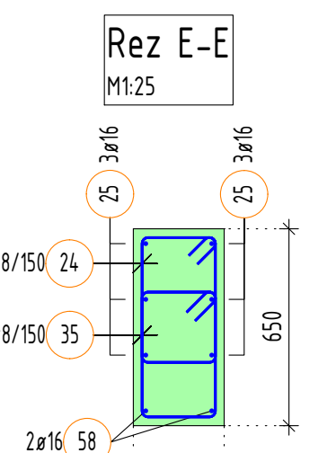
Rez D-D
M1:25


21 4ø16
21 4ø16
22ø8/150 23
22ø8/150 34
600
300

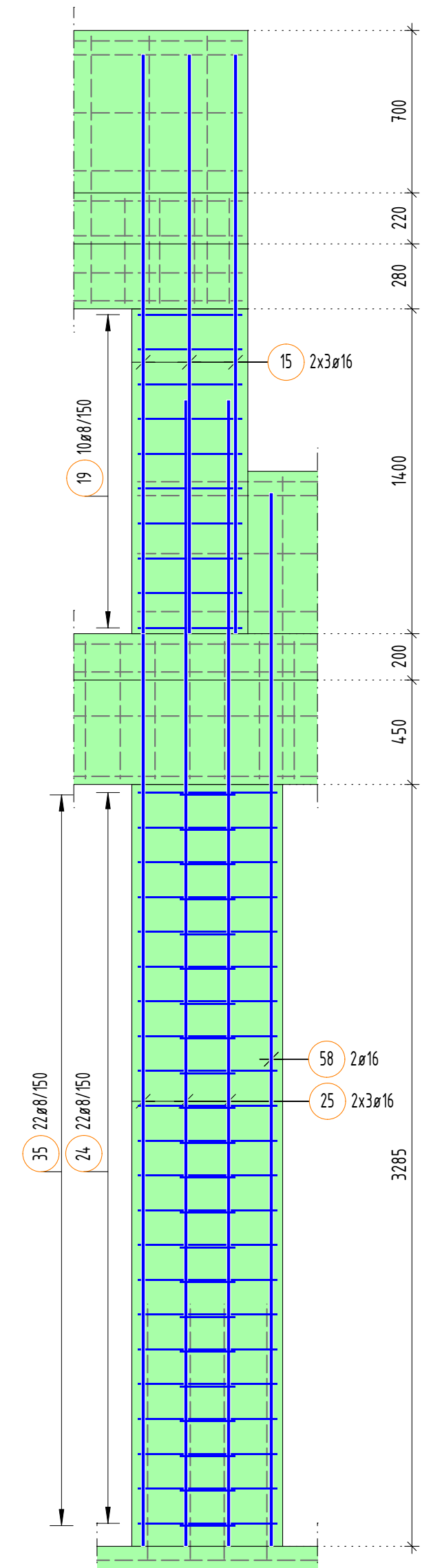
Výstuž stĺpa S-1.05
Pohľad, M1:25, Cnom = 25mm


700
220
280
1400
200
450
3285
19 10ø8/150
15 3ø16
15 3ø16
35 22ø8/150
24 22ø8/150
58 2ø16
25 3ø16
25 3ø16
E
E
300

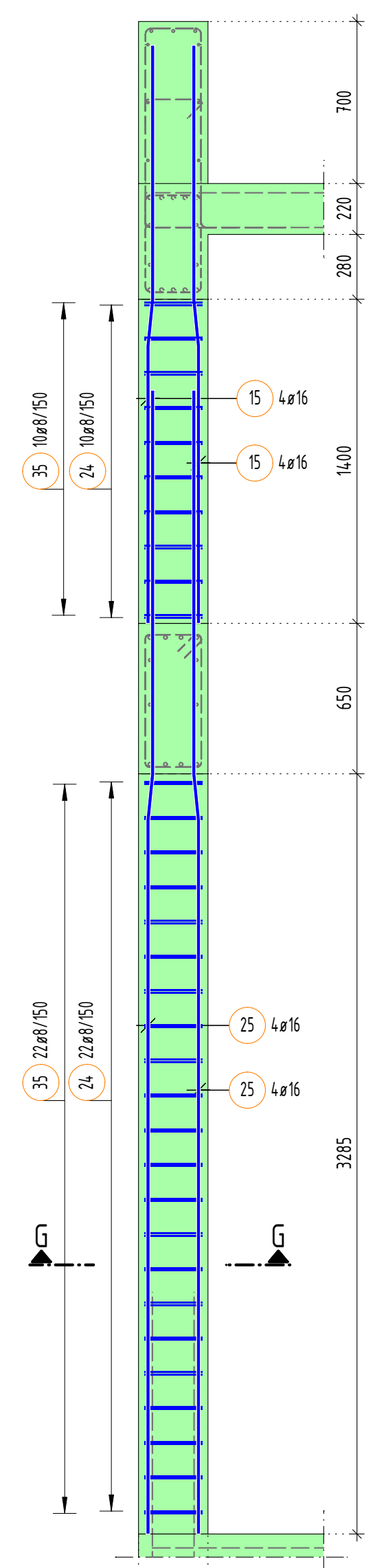
Rez E-E
M1:25


25 3ø16
25 3ø16
22ø8/150 24
22ø8/150 35
2ø16 58
650
300

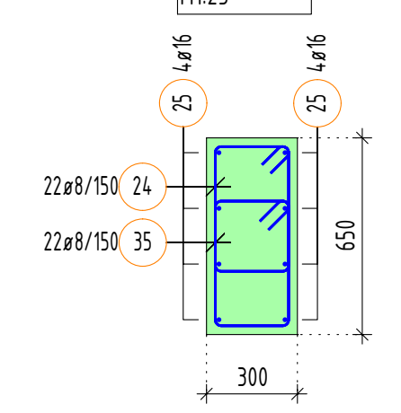
Rez F-F
M1:25


700
220
280
1400
200
450
3285
15 2x3ø16
19 10ø8/150
35 22ø8/150
24 22ø8/150
58 2ø16
25 2x3ø16

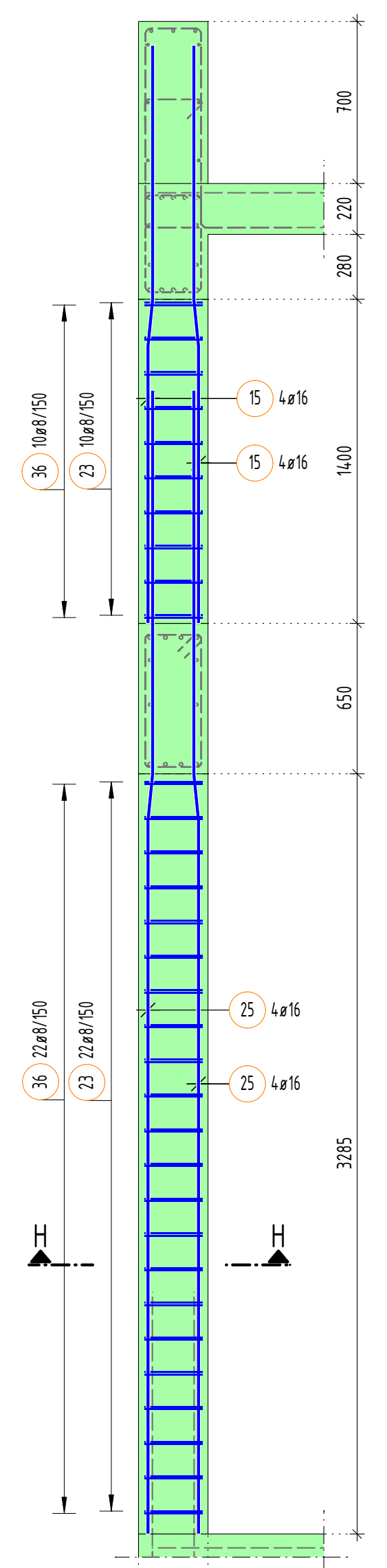
Výstuž stĺpa S-1.06
Pohľad, M1:25, Cnom = 25mm


700
220
280
1400
650
3285
35 10ø8/150
24 10ø8/150
15 4ø16
15 4ø16
35 22ø8/150
24 22ø8/150
25 4ø16
25 4ø16
G
G
300

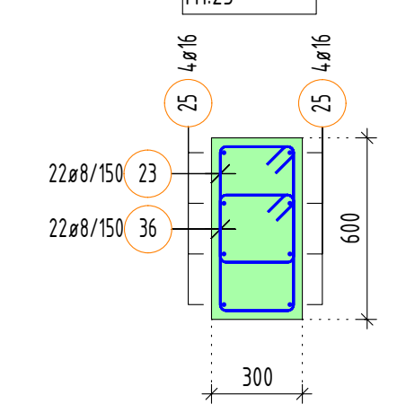
Rez G-G
M1:25


25 4ø16
25 4ø16
22ø8/150 24
22ø8/150 35
650
300

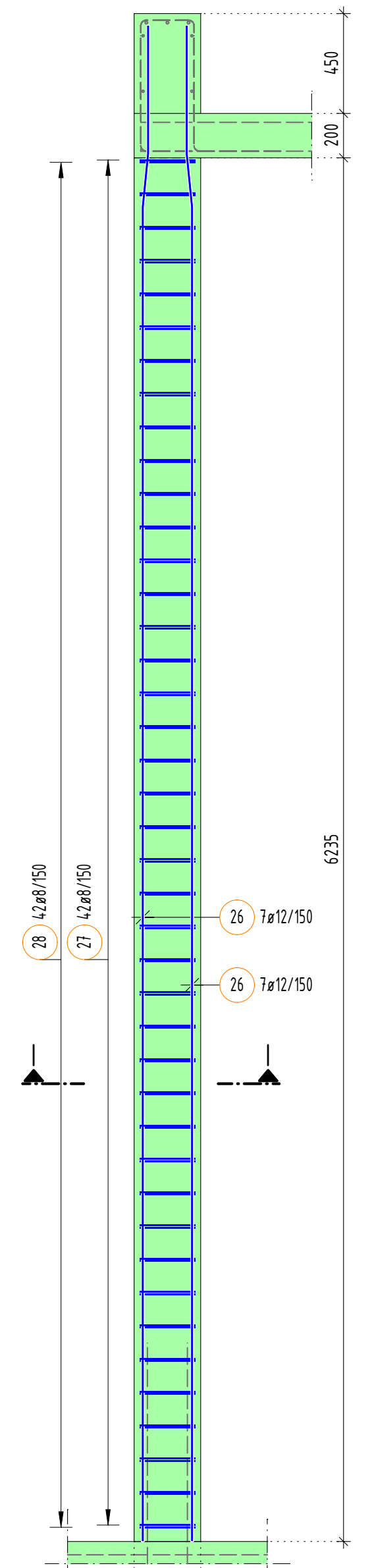
Výstuž stĺpa S-1.07
Pohľad, M1:25, Cnom = 25mm


700
220
280
1400
650
3285
36 10ø8/150
23 10ø8/150
15 4ø16
15 4ø16
36 22ø8/150
23 22ø8/150
25 4ø16
25 4ø16
H
H
300

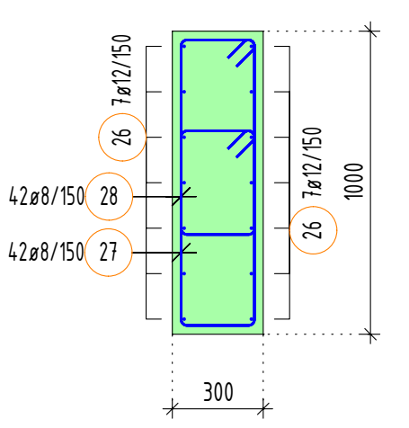
Rez H-H
M1:25


25 4ø16
25 4ø16
22ø8/150 23
22ø8/150 36
600
300

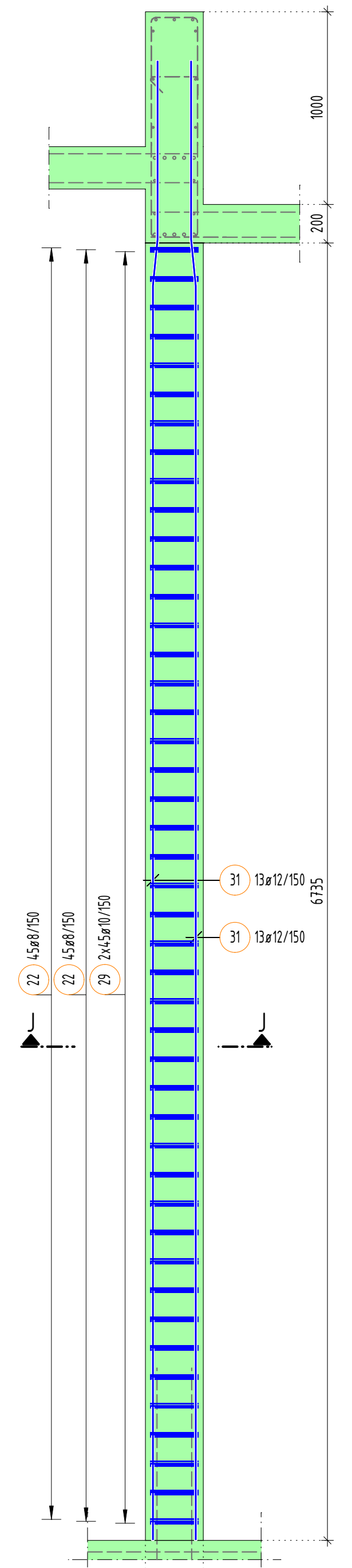
Výstuž stĺpa S-1.08
Pohľad, M1:25, Cnom = 25mm


450
200
6235
28 42ø8/150
27 42ø8/150
26 7ø12/150
26 7ø12/150
I
I
300

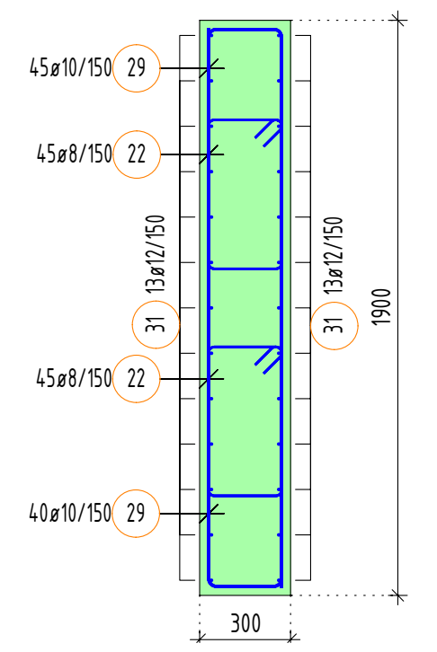
Rez I-I
M1:25


26 7ø12/150
42ø8/150 28
42ø8/150 27
26 7ø12/150
1000
300

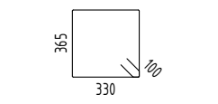
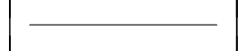
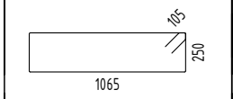
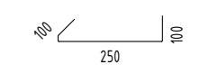
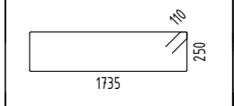
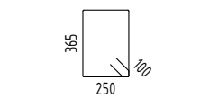
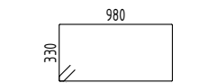
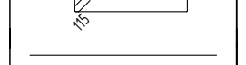
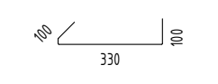
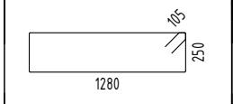
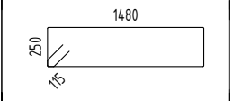
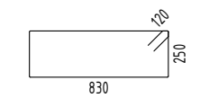
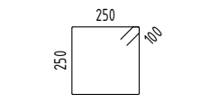
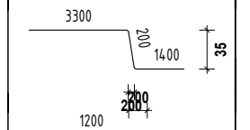
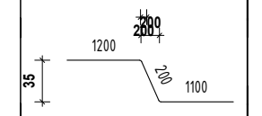
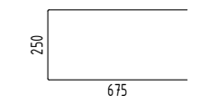
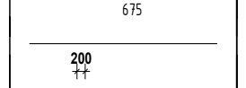
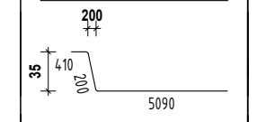
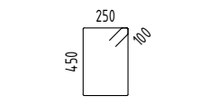
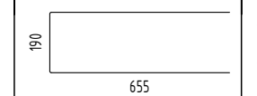
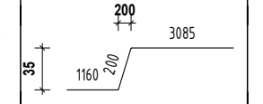
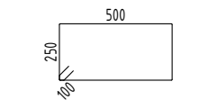
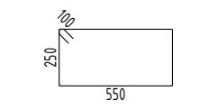
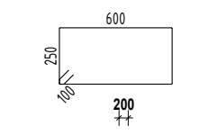
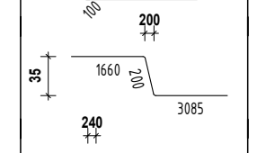
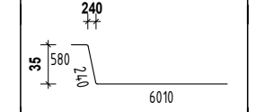
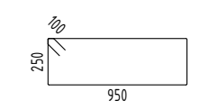
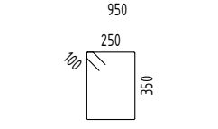
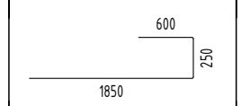
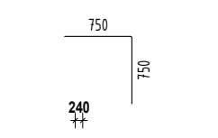
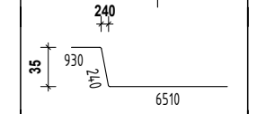
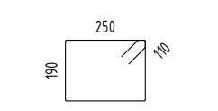
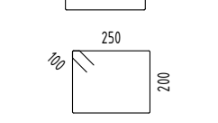
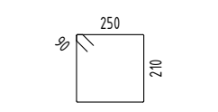
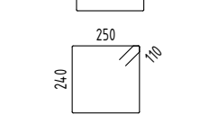
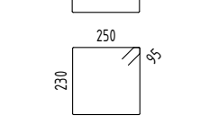
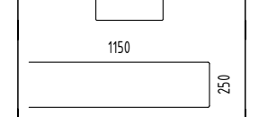
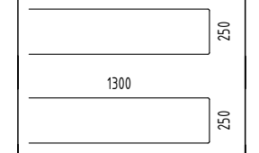
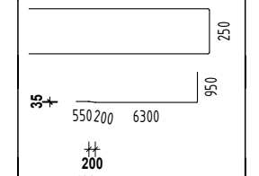
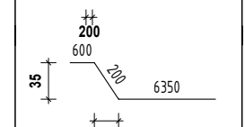
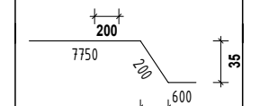
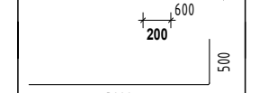
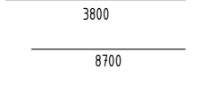
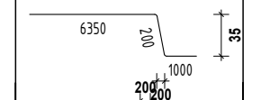
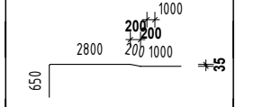
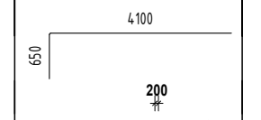
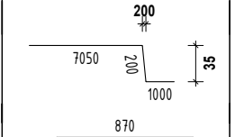
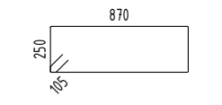
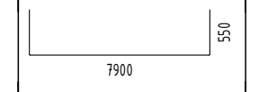
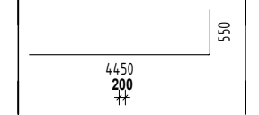
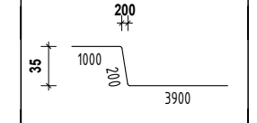
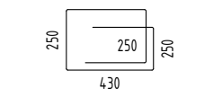
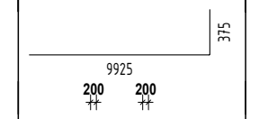
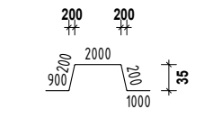
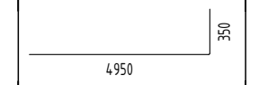
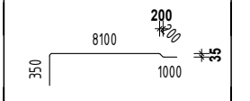
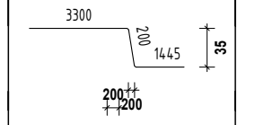
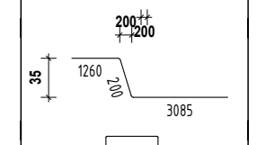
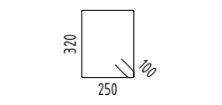
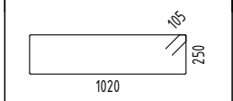
Výstuž stĺpa S-1.09
Pohľad, M1:25, Cnom = 25mm


1000
200
6735
22 45ø8/150
22 45ø8/150
29 2x45ø10/150
31 13ø12/150
31 13ø12/150
J
J
300

Rez J-J
M1:25


45ø10/150 29
45ø8/150 22
31 13ø12/150
31 13ø12/150
45ø8/150 22
40ø10/150 29
1900
300

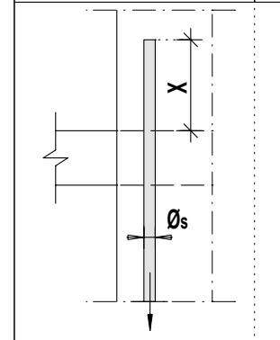
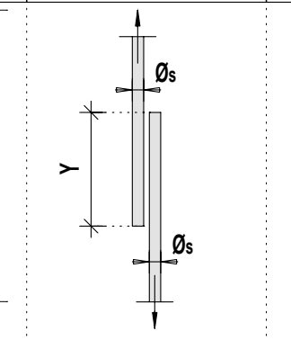
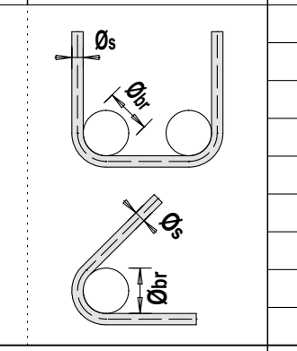
VÝKAZ VÝSTUŽE

Č. pol.	Počet [ks]	Ø [mm]	Dĺžka [mm]	Celková dĺžka [m]	Hmotnosť [kg]	Tvar prútov s popisom (bez mierky)
1	108	8	1590	171.72	67.83	
2	1	12	bm	3813.54	3386.42	
3	257	8	2840	729.88	288.30	
4	1379	6	450	620.55	137.76	
5	26	8	4190	108.94	43.03	
6	327	8	1430	467.61	184.71	
7	31	8	2850	88.35	34.90	
8	1	16	bm	302.40	477.78	
9	31	6	530	16.43	3.65	
10	229	8	3270	748.83	295.79	
11	27	8	3690	99.63	39.35	
12	60	8	2400	144.00	56.88	
13	146	8	1200	175.20	69.20	
14	8	16	4900	39.20	61.94	
15	34	16	2500	85.00	134.30	
16	656	10	1600	1049.60	647.60	
17	1	10	bm	282.21	174.12	
18	8	16	5700	45.60	72.05	
19	46	8	1600	73.60	29.07	
20	4	10	1500	6.00	3.70	
21	24	16	4445	106.68	168.55	
22	112	8	1700	190.40	75.21	
23	54	8	1800	97.20	38.39	
24	137	8	1900	260.30	102.82	
25	22	16	4945	108.79	171.89	
26	14	12	6835	95.69	84.97	
27	42	8	2600	109.20	43.13	
28	42	8	1400	58.80	23.23	
29	85	10	2700	229.50	141.60	
30	407	12	1500	610.50	542.12	
31	26	12	7685	199.81	177.43	
32	36	8	1100	39.60	15.64	
33	22	8	1100	24.20	9.56	
34	22	8	1100	24.20	9.56	
35	54	8	1200	64.80	25.60	
36	32	8	1150	36.80	14.54	
37	295	10	2550	752.25	464.14	
38	88	10	2850	250.80	154.74	
39	4	16	8000	32.00	50.56	
40	4	16	7150	28.60	45.19	
41	4	16	8550	34.20	54.04	
42	4	16	4300	17.20	27.18	
43	4	16	8700	34.80	54.98	
44	4	16	7550	30.20	47.72	
45	4	16	4650	18.60	29.39	
46	4	16	4750	19.00	30.02	
47	4	16	8250	33.00	52.14	
48	16	8	2450	39.20	15.48	
49	4	16	9000	36.00	56.88	
50	4	16	5000	20.00	31.60	
51	7	16	5100	35.70	56.41	
52	88	10	2110	185.68	114.56	
53	5	16	10300	51.50	81.37	
54	4	16	4300	17.20	27.18	
55	5	16	5300	26.50	41.87	
56	5	16	9650	48.25	76.24	
57	4	16	4945	19.78	31.25	
58	2	16	4545	9.09	14.36	
59	5	8	1340	6.70	2.65	
60	57	8	2750	156.75	61.92	

Celková hmotnosť [kg]: 9474.49

Poznámka:
Prúty s dĺžkou vykázanou na bežné metre (bm) sú uvažované s rezervou.

KOTVENIE, STYKOVENIE A OHÝBANIE VÝSTUŽE

Minimálna dĺžka kotvenia	Minimálna dĺžka nosného styku presahom	Vnútorný priemer ohýbania	Øs	X	Y	Øbr
			8 mm	250 mm	500 mm	40 mm
			10 mm	350 mm	550 mm	40 mm
			12 mm	450 mm	670 mm	48 mm
			14 mm	550 mm	830 mm	56 mm
			16 mm	650 mm	980 mm	64 mm
			18 mm	760 mm	1130 mm	126 mm
			20 mm	860 mm	1280 mm	140 mm
			22 mm	980 mm	1470 mm	154 mm
			25 mm	1100 mm	1660 mm	175 mm

LEGENDA MATERIÁLOV

- 🟩 ŽELEZOBETÓN
- 🟩 ŽELEZOBETÓN - DEBNIACE TVÁRNICE
- 🟥 TEHLIARSKE MUROVACIE PRVKY - STREDNÁ PEVNOSŤ V TLAKU
- 🟪 PREFABRIKOVANÉ PRVKY
- 🟦 KONŠTRUKČNÁ OCEĽ
- ⬜ TEPELNÁ IZOLÁCIA (TYP PODĽA PD)

LEGENDA OZNAČENÍ

- HRANICA PRACOVNÉHO ZÁBERU (ZDRSNIŤ POVRCH)
- PRÍDAVNÁ VÝSTUŽ (PRÍLOŽKY)

A ATIKA
PR PREKLAD
P PRIEVLAK
D DOSKA
hv HORNÁ VÝSTUŽ
dv DOLNÁ VÝSTUŽ

POUŽITÉ MATERIÁLY		KRYTIE VÝSTUŽE:	
BETÓN EN 206+A2:		[mm]	POZNÁMKA:
STENY, STĹPY:	C25/30 – XC1 (SK) - Cl 0,4 - D_{max} 16 - S3	25	
VENCE A NOSNÍKY:	C25/30 – XC1 (SK) - Cl 0,4 - D_{max} 16 - S3	25	
STROPNÉ DOSKY:	C25/30 – XC1 (SK) - Cl 0,4 - D_{max} 16 - S3	25 / 25	DOLNÉ / HORNÉ
BETONÁRSKA OCEĽ EN 10080 - B500B			

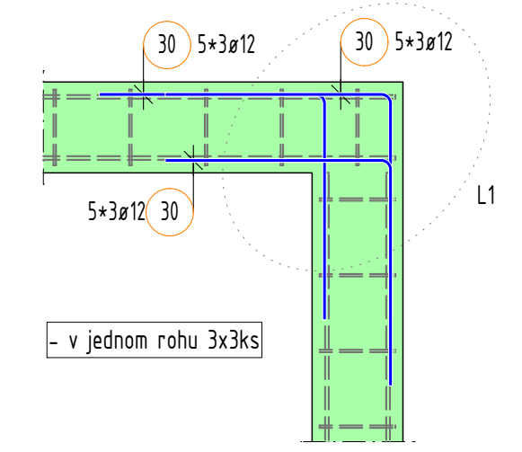
POZNÁMKY

- BETONÁRSKA VÝSTUŽ JE KÓTOVANÁ NA VONKAJŠIU HRANU PRÚTOV
- POZDĹŽNA VÝSTUŽ PRI PRVKOCH NA RV/b.m. JE VYKÁZANÁ S REZERVOU 15%
- VÝSTUŽ PRISPÔSOBIŤ SKUTOČNÝM ROZMEROM DEBNENIA
- V MIESTE PRACOVNEJ ŠKÁRY PLOCHU BETÓNU OČISTIŤ A ZDRSNIŤ
- ZOHĽADNIŤ VÝKRESY: TVARU, ARCHITEKTÚRY, TZB (ZABUDOVANÉ SÚČASTI), ELEKTROINŠTALÁCIE A UZEMNENIA
- VO VÝKRESE NEVYZNAČENÉ STAVEBNÉ ÚPRAVY - PRIERAZY, DRÁŽKY, ATĎ. ZREALIZOVAŤ PODĽA PROJEKTU ZDRAVOTECHNIKA, VYKUROVANIE, ELEKTROINŠTALÁCIE A UZEMNENIE PO KONZULTÁCII SO STATIKOM !
- BETÓNOVÉ KONŠTRUKCIE BETÓNOVAŤ AŽ PO ODSÚHLASENÍ A VYNECHANÍ STAVEBNÝCH ÚPRAV PRE UVEDENÉ PROFESIE
- PRED BETONÁŽOU OSADIŤ PRÍPADNÉ KOTEVNÉ PRVKY PRE HORNÚ STAVBU
- PRI REALIZÁCII JE POTREBNÉ RIADIŤ SA POKYNMI UVEDENÝMI V TECHNICKEJ SPRÁVE
- PRI REALIZÁCII JE POTREBNÉ POSTUPOVAŤ V SÚLADE S PRÍSLUŠNÝMI NORMAMI A DODRŽIAVAŤ TECHNOLOGICKÉ POSTUPY VÝROBCU
- TOLERANCIE PODĽA STN EN 13670, "ZHOTOVOVANIE BETÓNOVÝCH KONŠTRUKCIÍ"
- ZHOTOVITEĽ JE POVINNÝ SKONTROLOVAŤ SKUTOČNÉ ROZMERY NA STAVBE A V PRÍPADE ZISTENÝCH NEZROVNALOSTÍ JE POVINNÝ BEZODKLADNE INFORMOVAŤ ZODPOVEDNÉHO PROJEKTANTA
- AK SA VÝROBOK ZMENÍ, DODÁVATEĽ MUSÍ POSKYTNÚŤ DÔKAZ O ROVNOCENNOSTI A VYTVORIŤ PLÁN NA SCHVÁLENIE ZMENY NA VLASTNÉ NÁKLADY
- NEPLÁNOVANÉ PRACOVNÉ ŠKÁRY A ZMENY V DOKUMENTÁCII KONZULTOVAŤ SO ZODPOVEDNÝM STATIKOM (ŽIADNE SVOJVOĽNÉ ZMENY)
- PROJEKTANT NENESIE ŽIADNU ZODPOVEDNOSŤ ZA ZMENY USKUTOČNENÉ BEZ JEHO PÍSOMNÉHO SÚHLASU

UPOZORNENIE

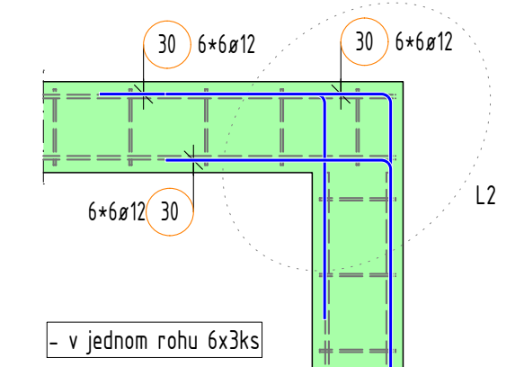
- PROJEKTANT NENESIE ŽIADNU ZODPOVEDNOSŤ ZA ZMENY USKUTOČNENÉ BEZ JEHO PÍSOMNÉHO SÚHLASU
- NEPLÁNOVANÉ ZMENY V DOKUMENTÁCII KONZULTOVAŤ SO ZODPOVEDNÝM STATIKOM - ŽIADNE SVOJVOĽNÉ ZMENY!

Previazanie rohov tvaru L1 - 5 ks


30 5×3ø12
30 5×3ø12
5×3ø12 30
L1

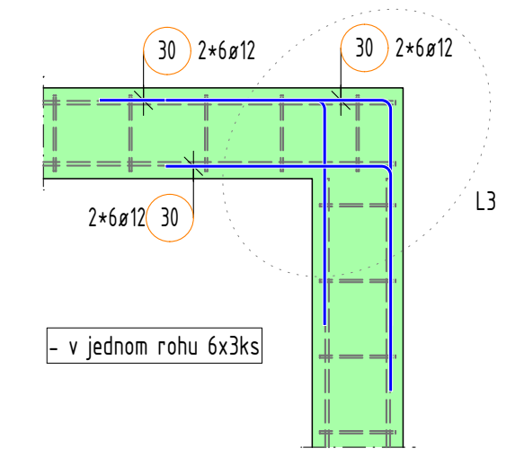
- v jednom rohu 3x3ks

Previazanie rohov tvaru L2 - 6 ks


30 6×6ø12
30 6×6ø12
6×6ø12 30
L2

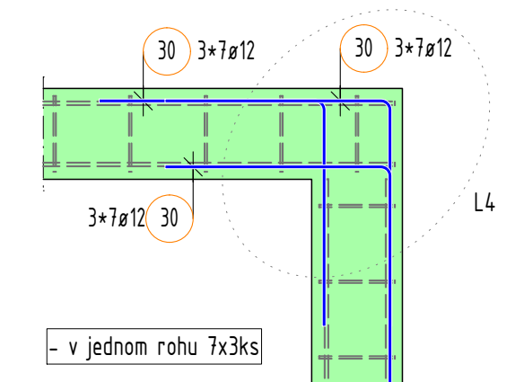
- v jednom rohu 6x3ks

Previazanie rohov tvaru L3 - 2 ks


30 2×6ø12
30 2×6ø12
2×6ø12 30
L3

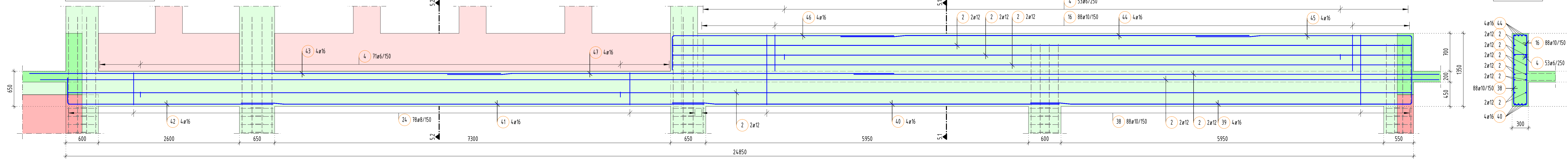
- v jednom rohu 6x3ks

Previazanie rohov tvaru L4 - 3 ks

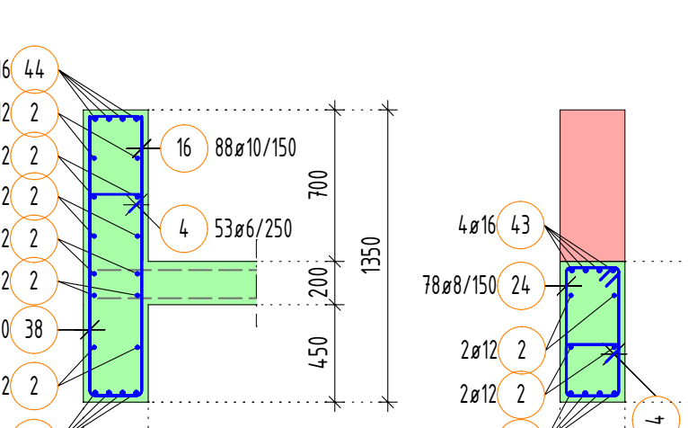

30 3×7ø12
30 3×7ø12
3×7ø12 30
L4

- v jednom rohu 7x3ks

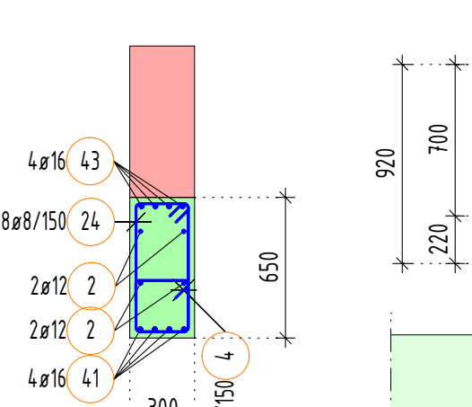
Výstuž nosníka N-1.05
Pohľad, M1:35, Cnom = 25mm


5.2
5.2
5.1
5.1
4 53ø6/250
46 4ø16
2 2ø12
2 2ø12
2 2ø12
16 88ø10/150
44 4ø16
45 4ø16
43 4ø16
4 71ø6/150
47 4ø16
650
42 4ø16
24 78ø8/150
41 4ø16
2 2ø12
40 4ø16
38 88ø10/150
2 2ø12
2 2ø12
39 4ø16
700
200
450
1350
600
2600
650
7300
650
5950
600
5950
550
24850

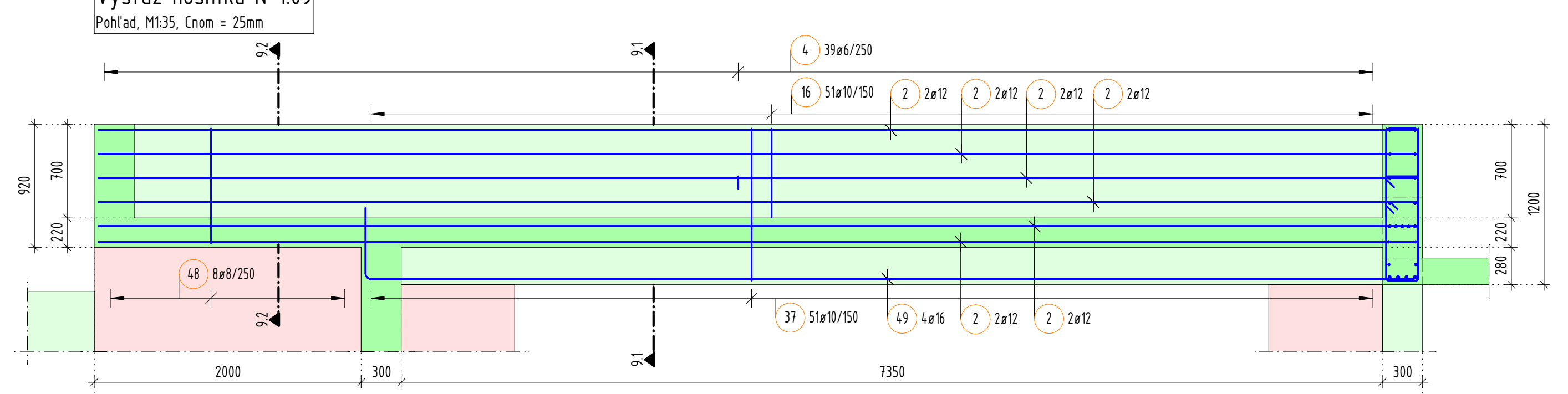
Rez 5.1-5.1
M1:35, Cnom = 25mm


4ø16 44
2ø12 2
2ø12 2
2ø12 2
2ø12 2
2ø12 2
2ø12 2
88ø10/150 38
2ø12 2
4ø16 40
16 88ø10/150
4 53ø6/250
700
200
450
1350
300

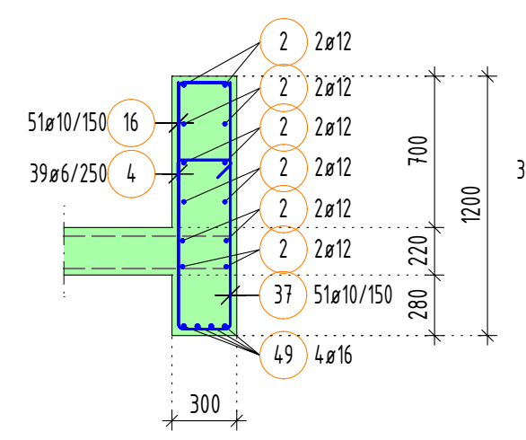
Rez 5.2-5.2
M1:35, Cnom = 25mm


4ø16 43
78ø8/150 24
2ø12 2
2ø12 2
4ø16 41
4
71ø6/150
650
300

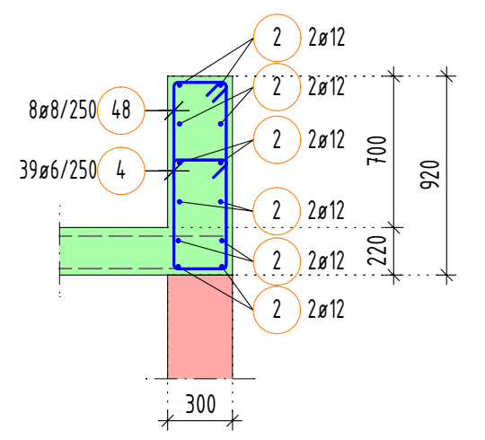
Výstuž nosníka N-1.09
Pohľad, M1:35, Cnom = 25mm


9.2
9.2
9.1
9.1
4 39ø6/250
16 51ø10/150
2 2ø12
2 2ø12
2 2ø12
2 2ø12
920
700
220
48 8ø8/250
37 51ø10/150
49 4ø16
2 2ø12
2 2ø12
700
220
280
1200
2000
300
7350
300
9950

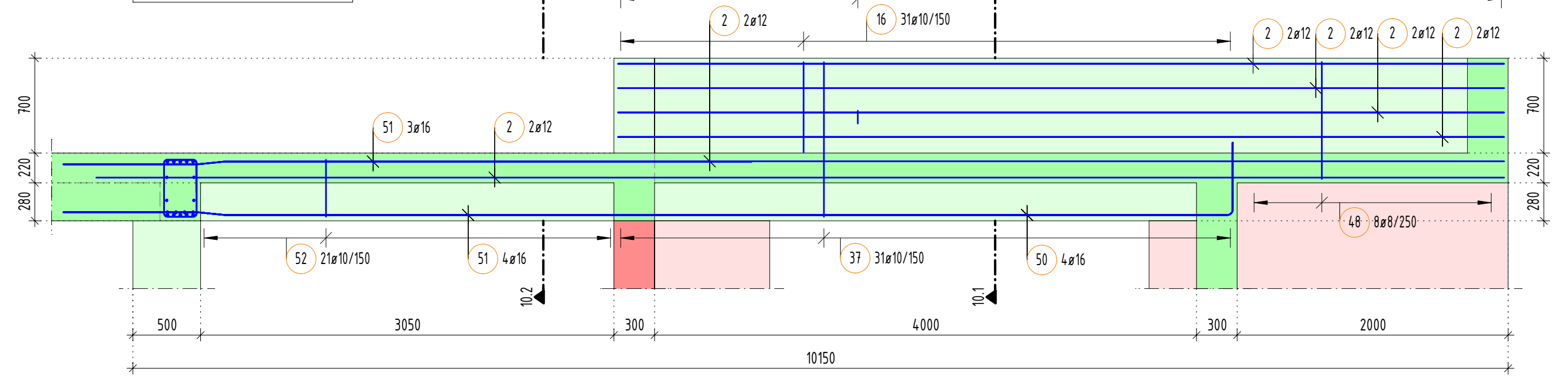
Rez 9.1-9.1
M1:35, Cnom = 25mm


2 2ø12
2 2ø12
2 2ø12
2 2ø12
2 2ø12
2 2ø12
51ø10/150 16
39ø6/250 4
37 51ø10/150
49 4ø16
700
220
280
1200
300

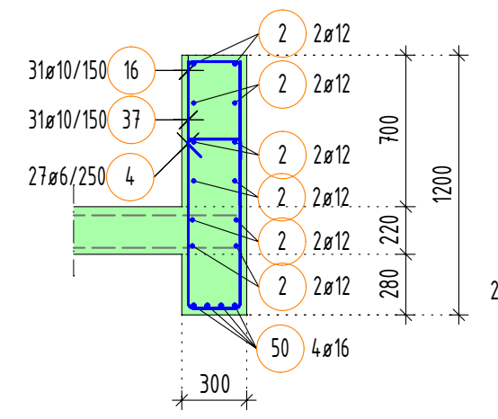
Rez 9.2-9.2
M1:35, Cnom = 25mm


2 2ø12
2 2ø12
2 2ø12
2 2ø12
2 2ø12
2 2ø12
8ø8/250 48
39ø6/250 4
700
220
920
300

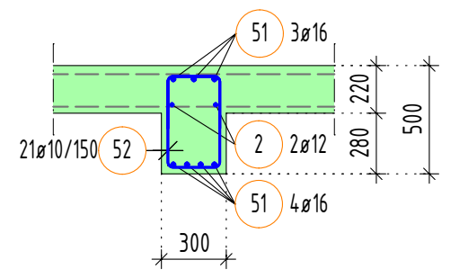
Výstuž nosníka N-1.10
Pohľad, M1:35, Cnom = 25mm


10.2
10.2
10.1
10.1
4 27ø6/250
2 2ø12
16 31ø10/150
2 2ø12
2 2ø12
2 2ø12
2 2ø12
51 3ø16
2 2ø12
700
220
280
52 21ø10/150
51 4ø16
37 31ø10/150
50 4ø16
48 8ø8/250
500
3050
300
4000
300
2000
10150

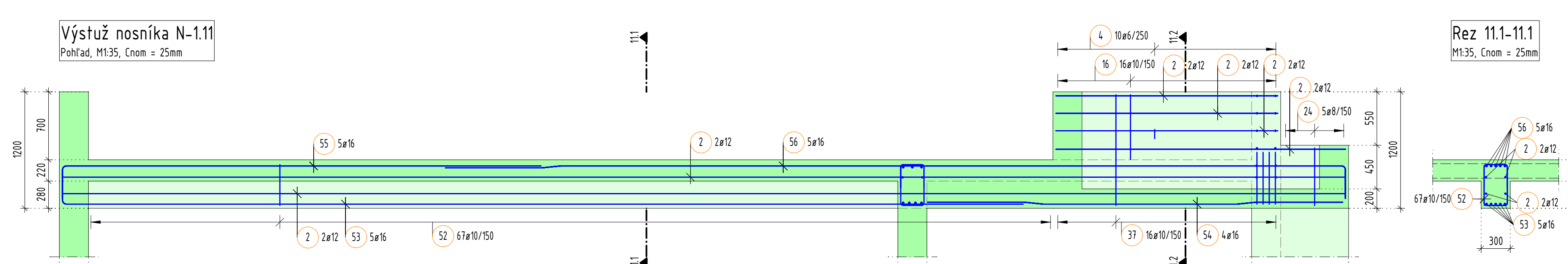
Rez 10.1-10.1
M1:35, Cnom = 25mm


31ø10/150 16
31ø10/150 37
27ø6/250 4
2 2ø12
2 2ø12
2 2ø12
2 2ø12
2 2ø12
2 2ø12
50 4ø16
700
220
280
1200
300

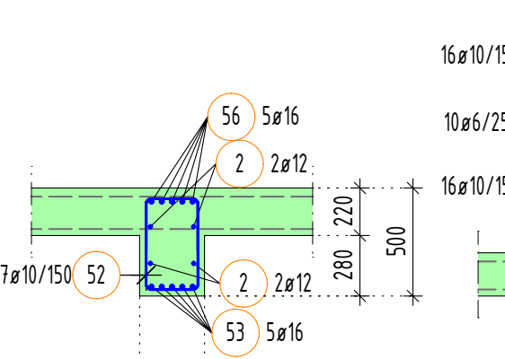
Rez 10.2-10.2
M1:35, Cnom = 25mm


51 3ø16
21ø10/150 52
2 2ø12
51 4ø16
220
280
500
300

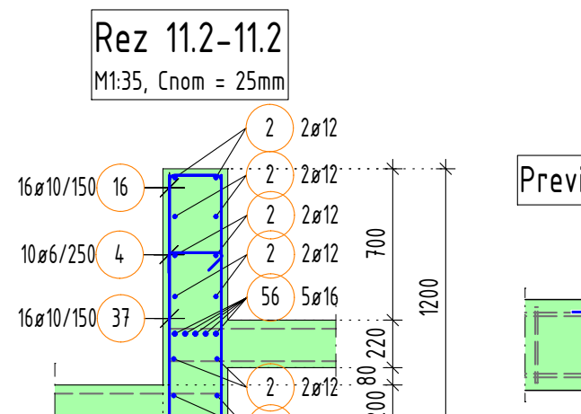
Výstuž nosníka N-1.11
Pohľad, M1:35, Cnom = 25mm


11.1
11.1
11.2
11.2
4 10ø6/250
16 16ø10/150
2 2ø12
2 2ø12
2 2ø12
2 2ø12
24 5ø8/150
55 5ø16
2 2ø12
56 5ø16
700
220
280
1200
550
450
200
2 2ø12
53 5ø16
52 67ø10/150
37 16ø10/150
54 4ø16
300
8350
300
3350
1000
13300

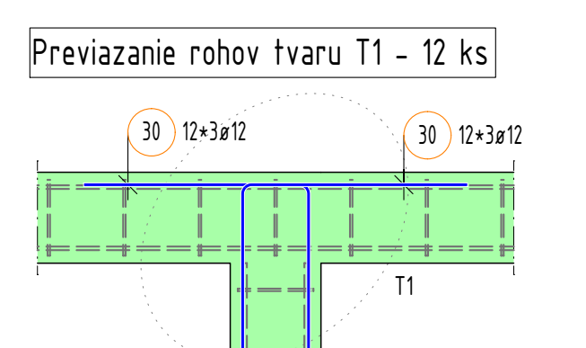
Rez 11.1-11.1
M1:35, Cnom = 25mm


56 5ø16
2 2ø12
67ø10/150 52
2 2ø12
53 5ø16
220
280
500
300

Rez 11.2-11.2
M1:35, Cnom = 25mm

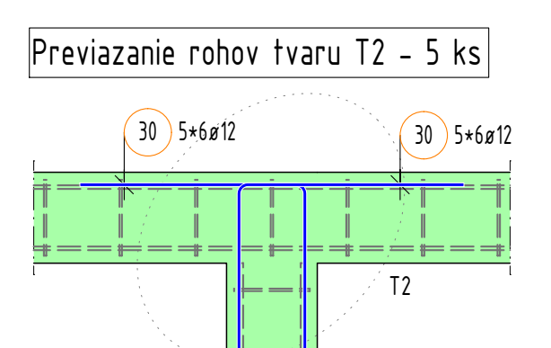

2 2ø12
2 2ø12
2 2ø12
2 2ø12
16ø10/150 16
10ø6/250 4
16ø10/150 37
56 5ø16
2 2ø12
2 2ø12
54 4ø16
700
220
80
200
1200
300

Previazanie rohov tvaru T1 - 12 ks


30 12×3ø12
30 12×3ø12
T1

- v jednom rohu 3x2ks

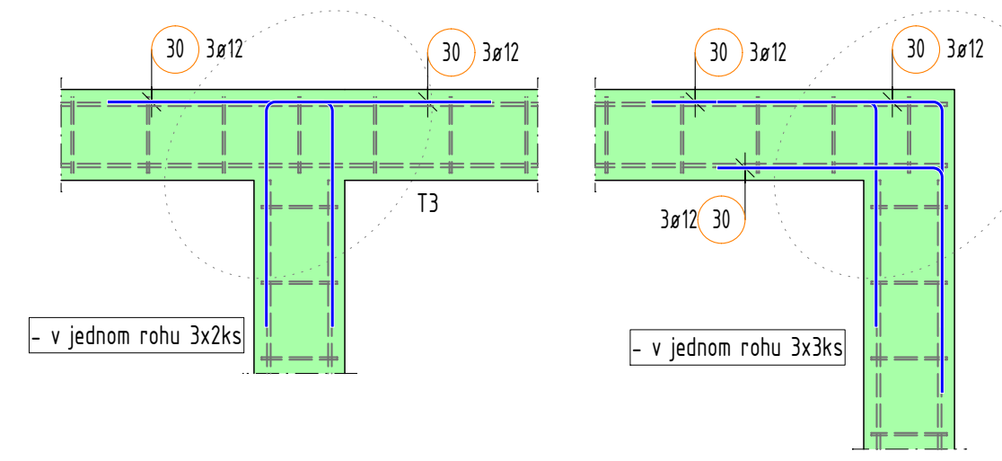
Previazanie rohov tvaru T2 - 5 ks


30 5×6ø12
30 5×6ø12
T2

- v jednom rohu 6x2ks

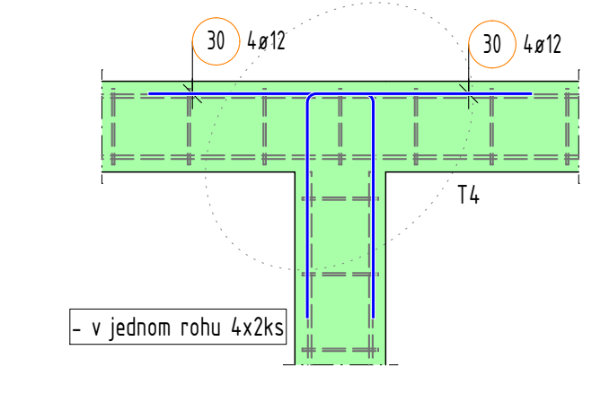
Previazanie rohov tvaru T3 - 1 ks

- po HH stropnej dosky na kóte +3,650
- nad HH stropnej dosky na kóte +3,650


30 3ø12
30 3ø12
T3
30 3ø12
30 3ø12
3ø12 30
T3

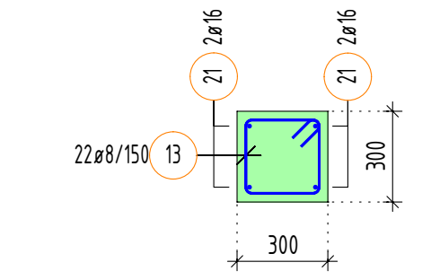
- v jednom rohu 3x2ks
- v jednom rohu 3x3ks

Previazanie rohov tvaru T4 - 1 ks


30 4ø12
30 4ø12
T4

- v jednom rohu 4x2ks

Výstuž stĺpa S-1.10 - 2x
Výška = 3,28m
Pôdorys, M1:25, Cnom = 25mm


21 2ø16
21 2ø16
22ø8/150 13
300
300

BVK-PRO
STATIKA STAVIEB

BVK-PRO, s.r.o.
Senecká cesta 2217/1A, 931 01 Šamorín
info@bvk-pro.com / www.bvk-pro.com
IČO:51211629 / IČDPH:SK2120639158
ZODPOVEDNÝ PROJEKTANT
Ing. Csaba Baji

AKÁKOĽVEK ČASŤ OBSAHU TOHOTO DOKUMENTU JE AUTORSKÝM VLASTNÍCTVOM FIRMY BVK-PRO, s.r.o. A SMIE BYŤ POUŽITÁ ALEBO ĎALEJ REPRODUKOVANÁ LEN S PÍSOMNÝM SÚHLASOM AUTORA.

VYPRACOVAL
Ing. Zoltán Grello

KONTROLOVAL
Ing. Peter Hobot

GENERÁLNY PROJEKTANT
Z_archdizajn a TZB s.r.o.

PROJEKT
RODINNÝ DOM
obec: Senec
okres: Senec

SO.01 Rodinný dom
NADMORSKÁ VÝŠKA: ± 0,000 = 126,800 m.n.m.
kat.úz.: Senec
p.č.: 5493/14, -/15

INVESTOR
Vladimír Lipták
Ľudovíta Fullu 46, 851 05 Bratislava

Č. ZÁKAZKY	STAV. OBJEKT	STUPEŇ PD	Č. VÝKRESU	REVÍZIA	DÁTUM VYDANIA	MIERKA	JAZYK	PARÉ
25-0070	SO.01	PSV	V-02	R0	13. 10. 2026	As ind.	SK	

NÁZOV DOKUMENTU
VÝSTUŽ PRVKOV 1.NP

PROFESIA
STATIKA

Č. VÝKR.
V-02

REVÍZIA
R0

V/Š = 594 / 1890 (1.12m2)

Allplan 2025