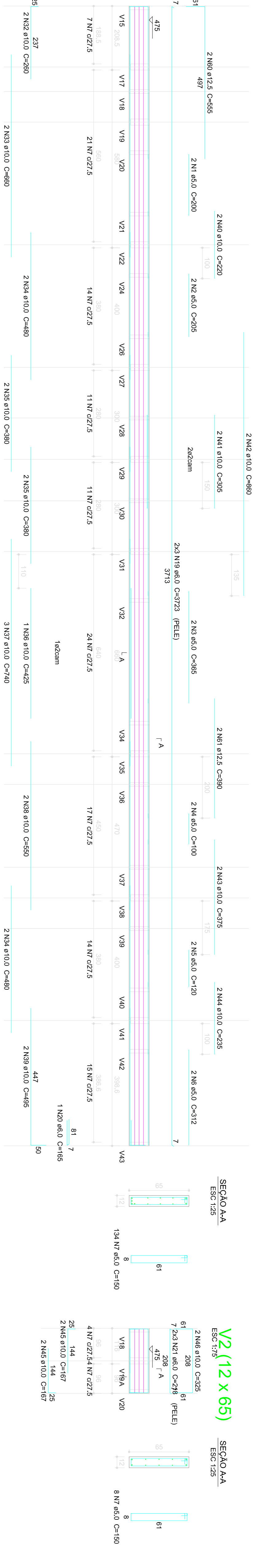


V1 (12 x 65)



Relação do aço

ACO	N	DIAM (mm)	QUANT	C.UANT (cm)	C.TOTAL (cm)
CA50	1	5,0	2	200	400
	3	5,0	2	365	730
	4	5,0	2	100	200
	5	5,0	2	120	240
	6	5,0	2	312	624
	7	5,0	200	150	30000
	7	5,0	37	19	4232
	8	5,0	19	80	960
	18	5,0	12	80	160
	14	5,0	54	100	5400
	15	5,0	48	120	5760
	15	5,0	48	120	5760
	82	5,0	2	95	190
83	5,0	2	259	518	
83	5,0	12	22	264	
86	5,0	47	120	5640	
86	5,0	6	3723	22338	
86	5,0	1	165	165	
20	6,0	1	185	185	
21	6,0	30	218	6540	
21	6,0	21	218	4578	
22	6,0	6	101	606	
24	6,0	2	241	482	
30	8,0	2	187	374	
31	8,0	2	187	374	
31	8,0	2	34	68	
32	8,0	2	34	68	
34	8,0	2	480	960	
34	8,0	2	479	958	
89	8,0	2	94	188	
91	8,0	2	275	550	
91	8,0	2	280	560	
32	10,0	4	280	1120	
32	10,0	4	480	1920	
34	10,0	4	380	1520	
35	10,0	4	425	1700	
36	10,0	3	740	2220	
37	10,0	3	550	1650	
38	10,0	2	225	450	
40	10,0	2	205	410	
41	10,0	2	305	610	
42	10,0	2	860	1720	
43	10,0	2	375	750	
44	10,0	2	235	470	
44	10,0	2	49	98	
45	10,0	22	107	3674	
46	10,0	48	107	5136	
47	10,0	4	232	928	
49	10,0	4	390	1560	
50	10,0	2	227	454	
50	10,0	2	450	900	
51	10,0	2	251	502	
51	10,0	2	151	302	
55	10,0	2	168	336	
56	10,0	4	477	1908	
57	10,0	2	338	676	
58	10,0	1	215	215	
59	10,0	2	616	1232	
60	10,0	2	875	1750	
60	10,0	2	550	1100	
95	10,0	2	555	1110	
12,5	12,5	2	390	780	
12,5	12,5	2	616	1232	
12,5	12,5	1	616	616	
523	12,5	3	523	1569	
98	12,5	3	340	1020	
99	12,5	2	375	750	
270	12,5	1	270	270	
68	16,0	1	150	150	
73	16,0	1	564	564	
74	16,0	2	564	1128	
75	16,0	1	415	415	
75	16,0	4	751	3004	
100	16,0	1	370	370	
100	16,0	2	277	554	
102	16,0	2	277	554	
103	16,0	2	280	560	
104	16,0	2	580	1160	
104	16,0	2	235	470	
105	16,0	4	470	1880	

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (mm)	QUANT + 5%	PESO + 5% (kg)
CA50	8,0	54,1	5	22,4
	10,0	353,6	31	228,8
	12,5	174,0	12	112,0
CA60	5,0	718,5	12	214,1
	6,0	334,1	-	116,3
PESO TOTAL (kg)				77,9
CA50	536,2			
CA60	194,1			

Volume de concreto (C-30) = 7,26 m³
Area de forma = 132,84 m²

Revisões da prancha

Nº	Comentário	Autor	Data
X	XXXXXX	XXXXXX	XXXXXX
X	XXXXXX	XXXXXX	XXXXXX
X	XXXXXX	XXXXXX	XXXXXX

NOTA:
Deve-se ser conferidos os cotos no obra.
Deve-se providenciar as cotas sobre os desenhos.

PROJETO ESTRUTURAL
RBS/ÍNDICE

FELIPE CAVALCANTE GOMES LEMUS - CREA 13292 D CE

PREFERÊNCIA MUNICIPAL DE
VICOSA DO CEARÁ

CONSTRUÇÃO DO VÍCOSA PREV

PROJETO ESTRUTURAL
VICOSA PREV

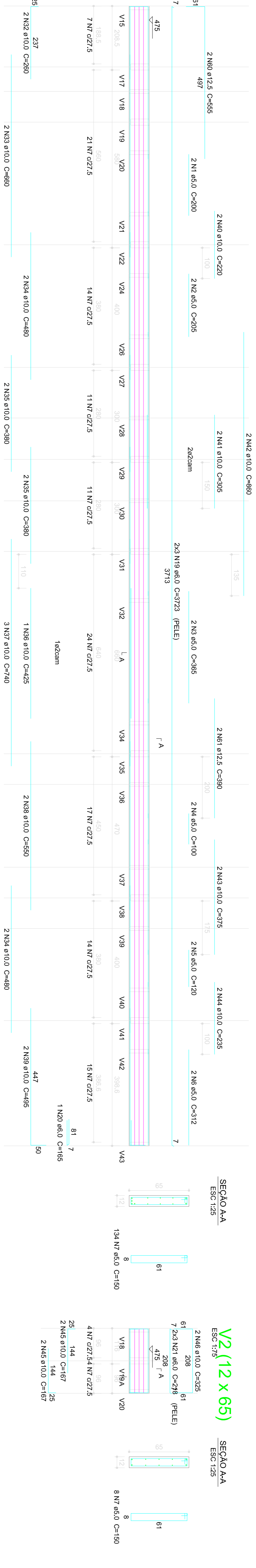
PROJETO DE
PREFEIRA DE VICOSA DO CEARÁ

DATA: MAIO/2017

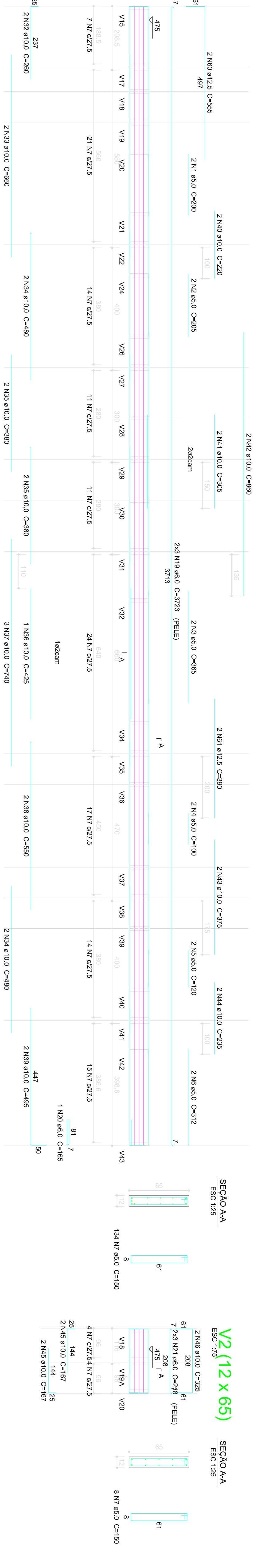
PROFESSOR: RUA PROFESSORA ANA MARIA S/N - VICOSA, CE

PR 10 /24

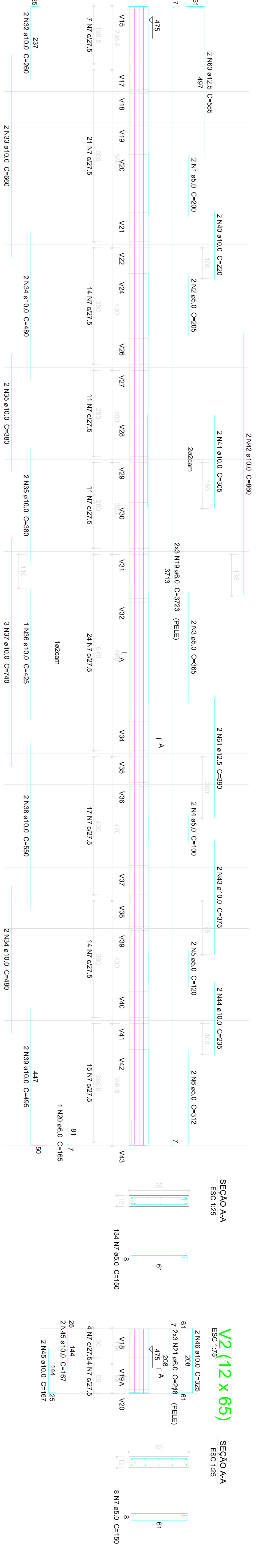
V2 (12 x 65)



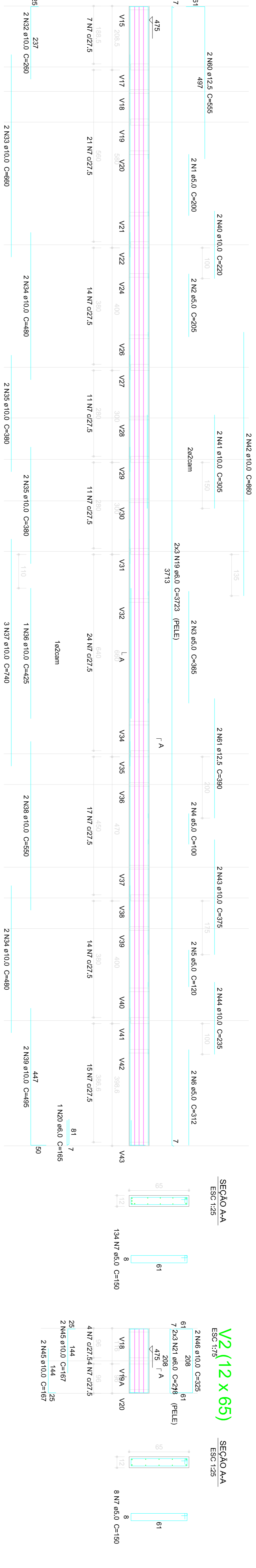
V3 (12 x 65)



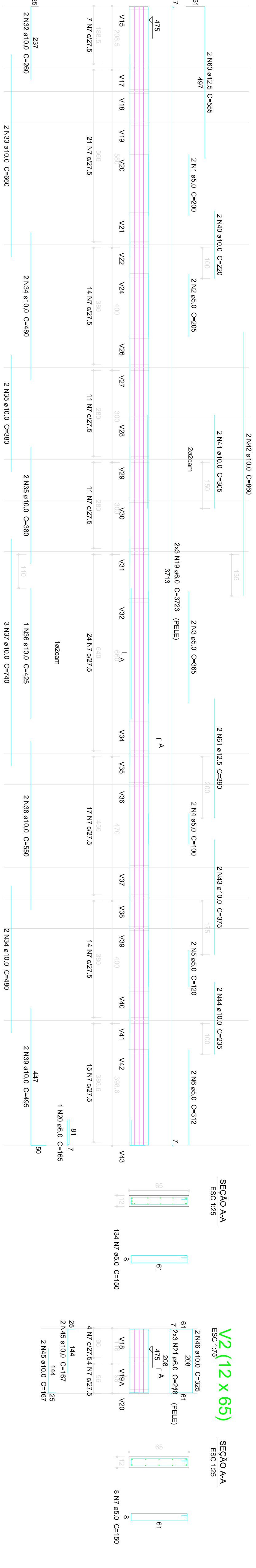
V4 (12 x 65)



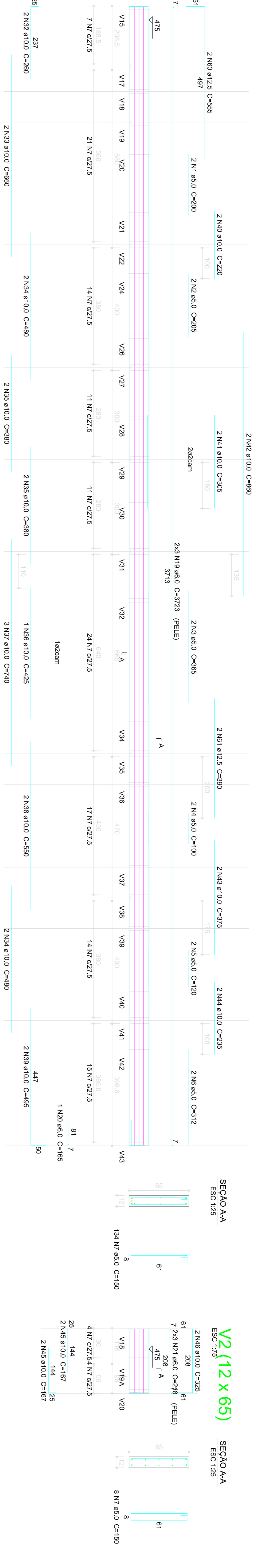
V5 (12 x 65)



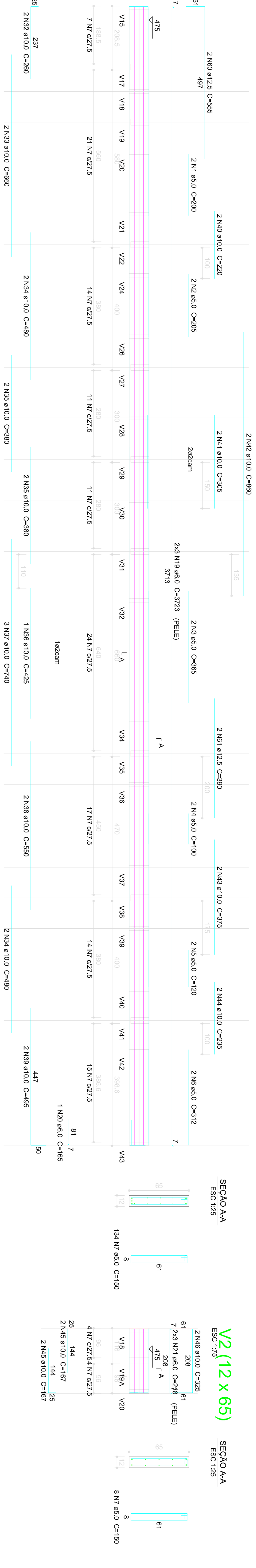
V6 (12 x 65)



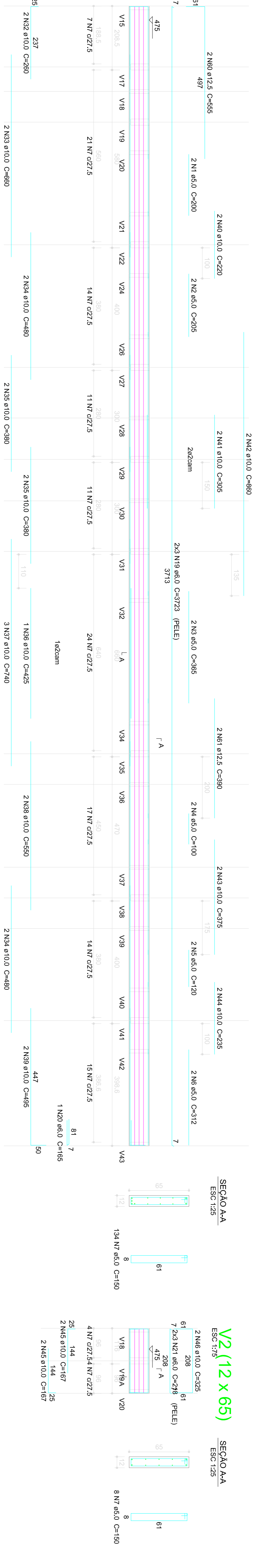
V7 (12 x 65)



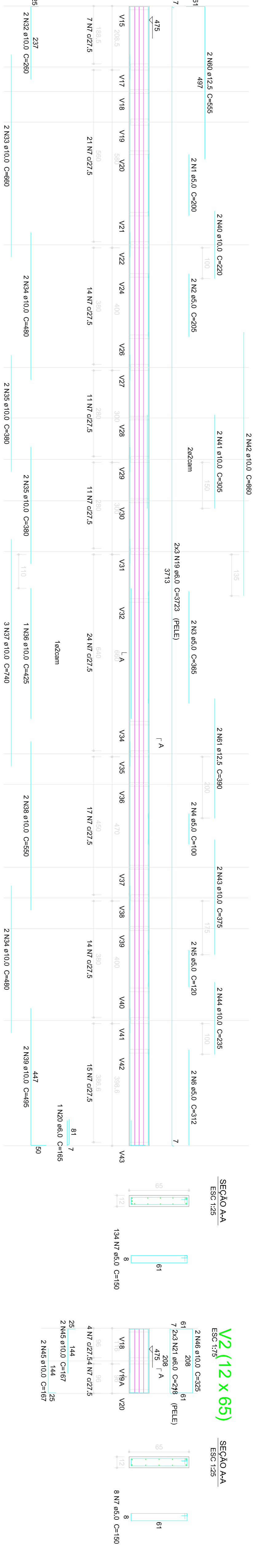
V8 (12 x 65)



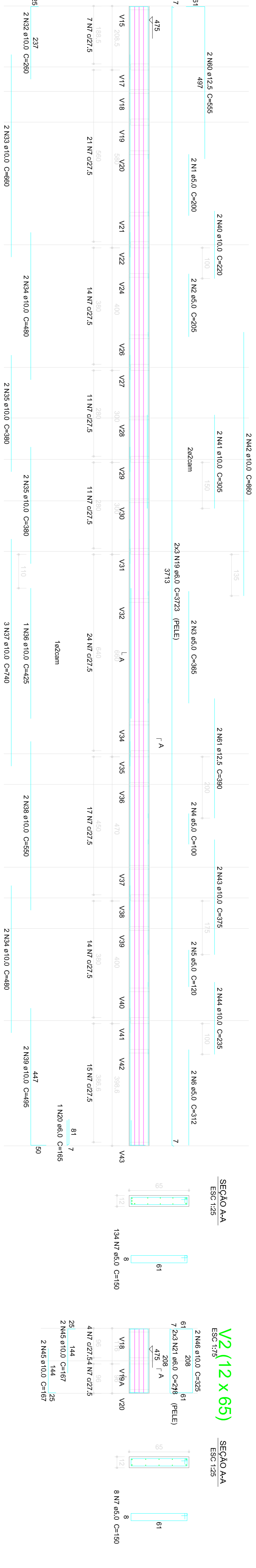
V9 (20 x 40)



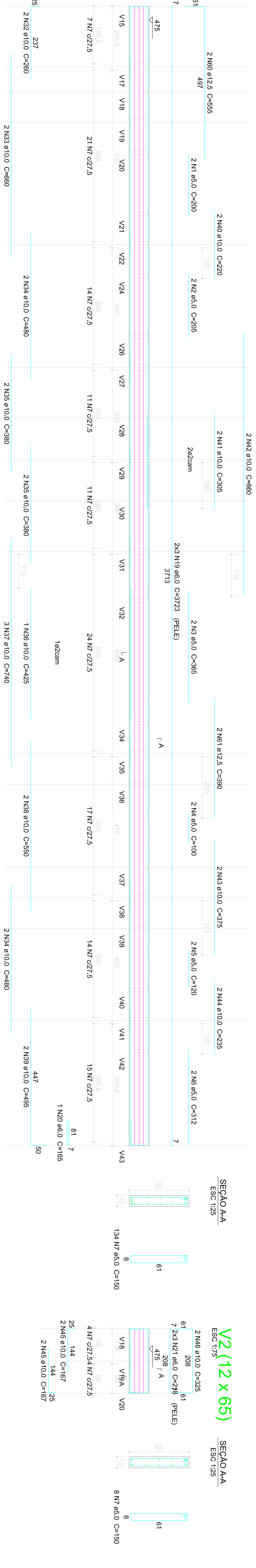
V10 (Var)



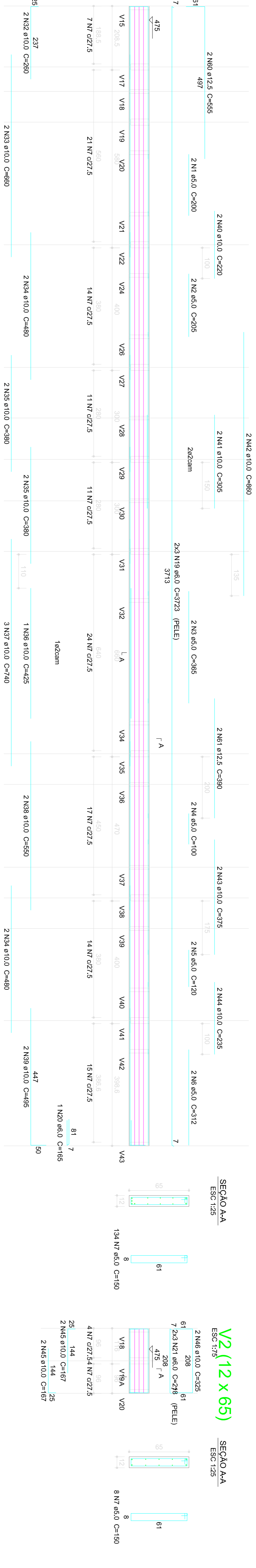
V11 (12 x 30)



V12 (Var)



V13 (12 x 50)



PROJETO ESTRUTURAL
RBS/ÍNDICE

FELIPE CAVALCANTE GOMES LEMUS - CREA 13292 D CE

PREFERÊNCIA MUNICIPAL DE
VICOSA DO CEARÁ

CONSTRUÇÃO DO VÍCOSA PREV

PROJETO ESTRUTURAL
VICOSA PREV

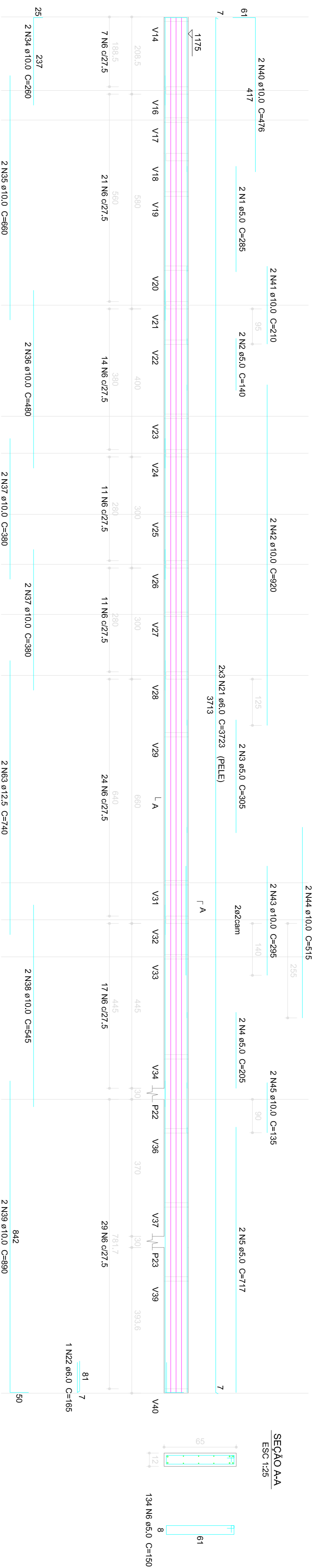
PROJETO DE
PREFEIRA DE VICOSA DO CEARÁ

DATA: MAIO/2017

PROFESSOR: RUA PROFESSORA ANA MARIA S/N - VICOSA, CE

PR 10 /24

V1 (12 x 65)



Relação do aço

ACO	N	DIM	QUANT	CUANT	C.TOTAL (m³)
C550	1	5,0	2	(0,285)	570
	2	14,0	280	3,92	280
	3	5,0	2	0,035	610
	4	5,0	2	0,035	410
	5	5,0	2	0,035	410
	6	5,0	2	0,035	410
	7	5,0	2	0,035	312
	8	5,0	2	0,035	1180
	9	5,0	62	120	7440
	10	5,0	2	197	384
	11	5,0	12	80	360
	12	5,0	2	201	116
	13	5,0	2	488	860
	14	5,0	2	488	938
	15	5,0	89	100	8900
	16	5,0	2	58	118
	17	5,0	4	201	634
	18	5,0	37	158	5772
	19	5,0	3	166	488
	20	5,0	3	3723	22338
	21	6,0	6	218	330
	22	6,0	2	165	330
	23	6,0	30	218	6540
	24	6,0	2	765	1488
	25	6,0	6	343	2058
	26	6,0	6	68	408
	27	6,0	6	683	4098
	28	8,0	4	80	320
	29	8,0	2	241	632
	30	8,0	2	272	696
	31	8,0	2	660	1320
	32	8,0	2	380	760
	33	8,0	2	145	290
	34	10,0	4	280	1040
	35	10,0	4	280	1040
	36	10,0	4	680	1320
	37	10,0	4	380	1520
	38	10,0	4	545	1090
	39	10,0	2	880	1760
	40	10,0	2	476	952
41	10,0	2	210	420	
42	10,0	2	320	640	
43	10,0	2	150	300	
44	10,0	2	515	1030	
45	10,0	2	135	270	
46	10,0	22	167	3674	
47	10,0	10	325	3250	
48	10,0	4	232	728	
49	10,0	4	227	728	
50	10,0	2	227	454	
51	10,0	2	450	900	
52	10,0	2	251	502	
53	10,0	2	151	302	
54	10,0	2	780	1560	
55	10,0	2	177	354	
56	10,0	2	153	306	
57	10,0	2	523	1046	
58	10,0	2	286	572	
59	10,0	4	680	2720	
60	10,0	4	70	280	
61	10,0	4	238	952	
62	10,0	4	238	952	
63	12,5	2	740	1480	
64	12,5	1	305	305	
65	12,5	1	690	1380	
66	12,5	1	431	862	
67	12,5	1	277	554	
68	12,5	2	138	276	
69	16,0	1	280	280	
70	16,0	3	450	1350	
71	16,0	3	751	4506	
72	16,0	1	180	360	
73	16,0	2	385	770	
74	16,0	2	385	770	
75	16,0	2	743	1486	

Resumo do aço

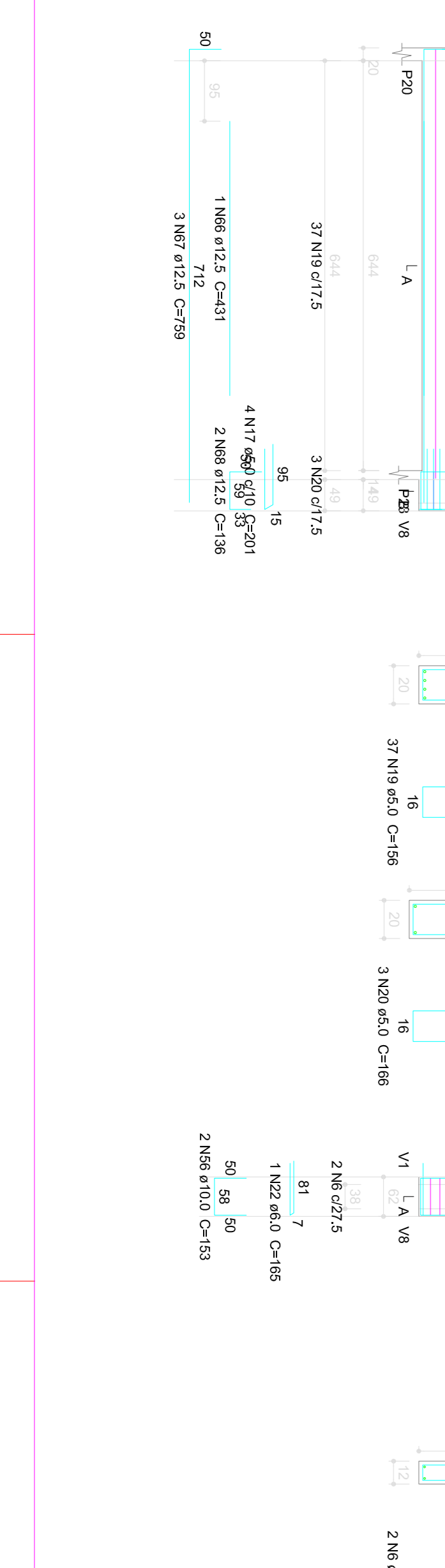
ACO	DIM	COTIZ	QUANT +5%	PESO +5%
C550	8,0	36,8	4	15,2
	10,0	315,3	28	204,1
	12,5	61,5	6	62,2
CAR0	16,0	800,8	9	167
	8,0	374,7	-	187,3
PESO TOTAL		(kg)		873
CAR0	48,5			15,2
CAR0	190,8			15,2
Volume de concreto C=30 = 7,71 m³				
Area de forma = 134,1 m²				

V38 (var)

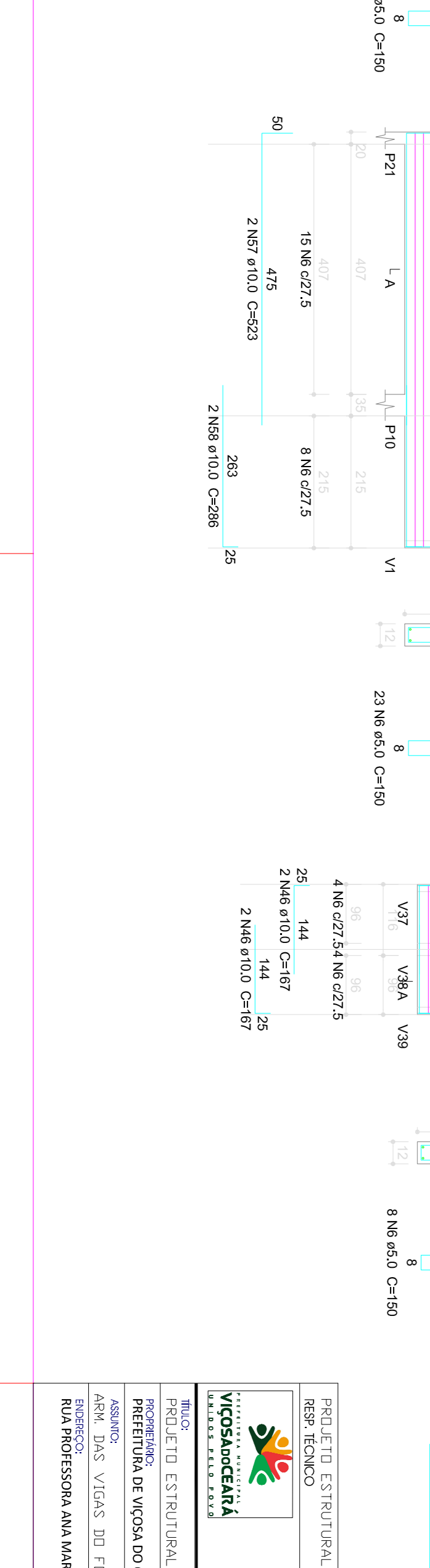
V39 (12 x 65)

V8 (12 x 65)

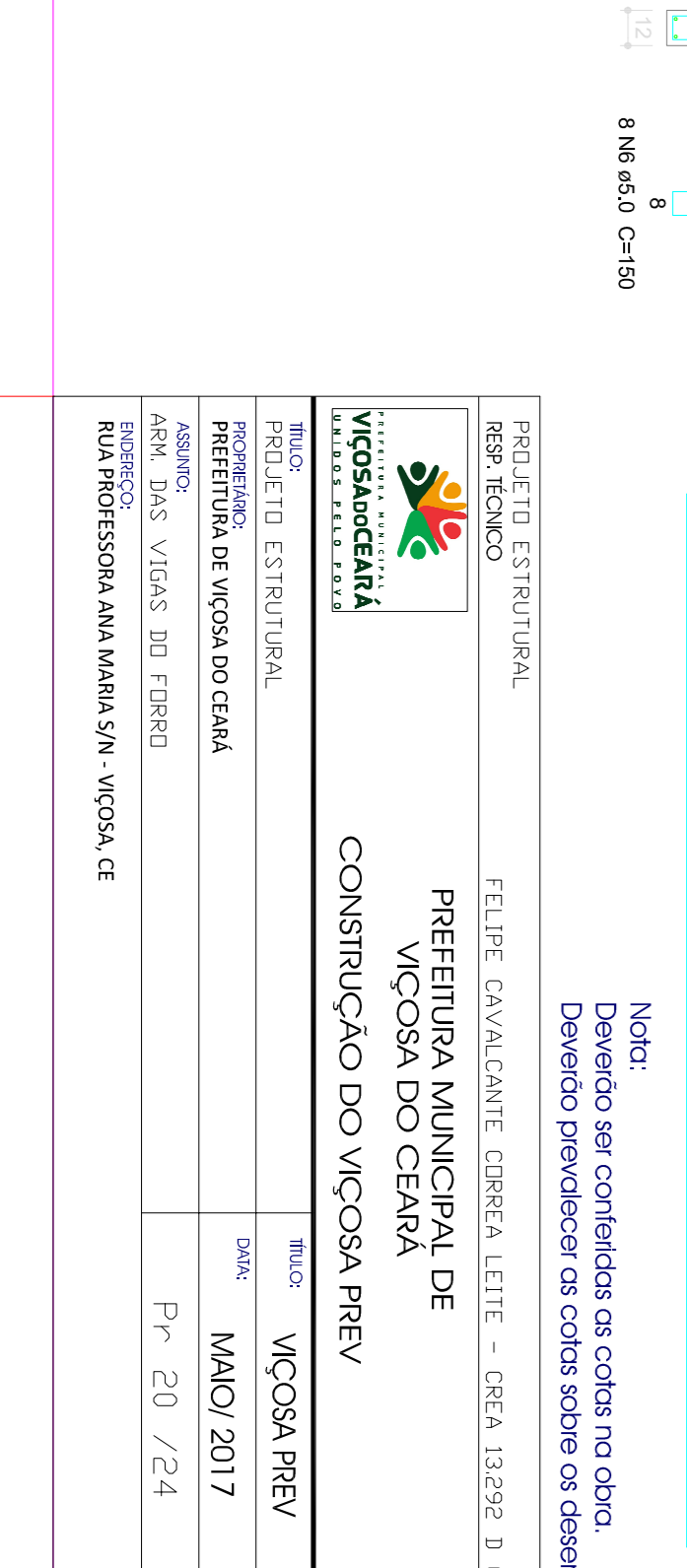
V38 (var)



V39 (12 x 65)



V8 (12 x 65)



Revisões da prancha

Nº	Comentário	Alter	Data
X	XXXXXX		XXXXXX
X	XXXXXX		XXXXXX
X	XXXXXX		XXXXXX
X	XXXXXX		XXXXXX

NOTA:
Deve-se ser conferidos os cortes no obra.
Deve-se providenciar as cotas sobras e desenhos.

PROJETO ESTRUTURAL
R83 - ITCOMBO

FELIPE CAVALCANTE GOMES LEMUS - CREA 13.292 D CE

PREFEITURA MUNICIPAL DE
VICOSA DO CEARÁ

CONSTRUÇÃO DO VÍCOSA PREV

PROPRIETÁRIO: VÍCOSA PREV

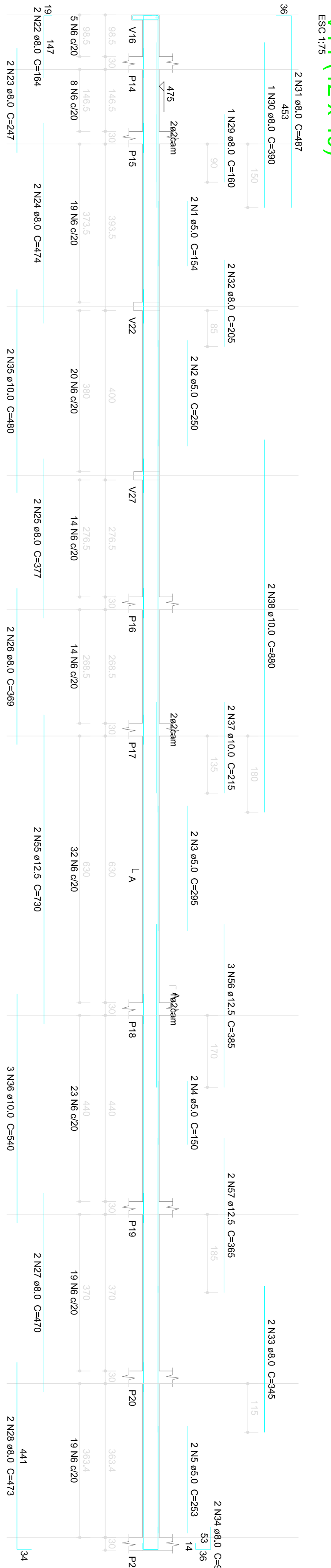
PROJETO DE: MAIO/2017

ASSIN. DAS VIGAS DO FERRO

DATA: Pp 20 /24

RUA PROFESSORA ANA MARIA S/N - VICOSA, CE

V14 (12 x 40)



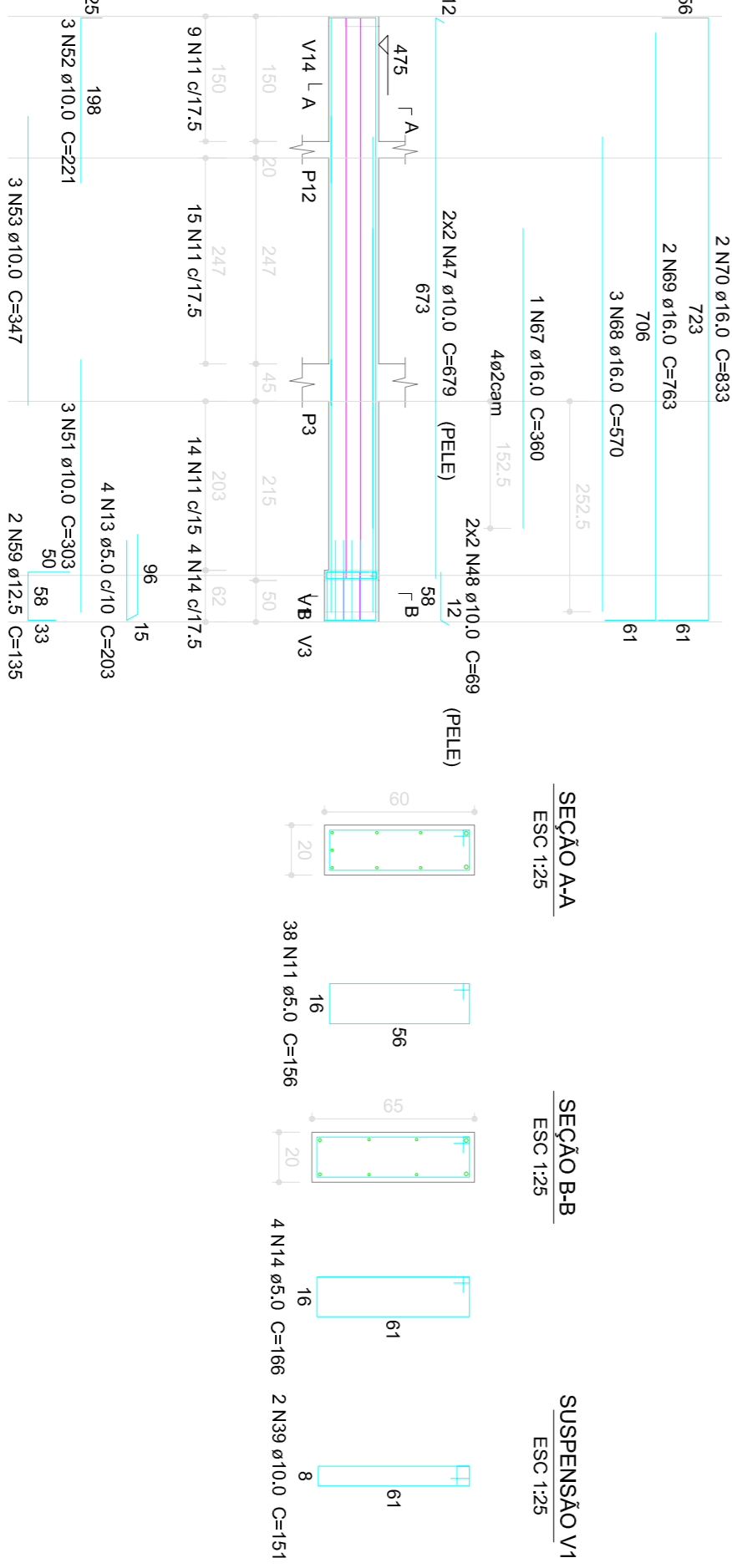
Relação do aço

ACO	N	DIAM (mm)	QUANT	CUMINT (cm³)	C/TOTAL (cm³)	
CA50	1	8,0	2	104	1098	
	2	5,0	2	250	500	
	3	5,0	2	295	590	
	4	5,0	2	150	300	
	5	5,0	2	253	506	
	6	5,0	173	100	1730	
	7	5,0	2	108	216	
	8	5,0	2	108	216	
	9	5,0	33	2	158	4950
	10	5,0	33	2	158	4950
	11	5,0	15	2	75	17940
	12	5,0	8	5	58	1454
	13	5,0	8	5	58	1454
	14	5,0	8	8	76	1828
	15	5,0	8	8	76	1828
	16	5,0	8	4	308	1232
	17	5,0	40	4	308	3200
	18	6,0	6	6	533	3198
	19	6,0	6	6	533	3198
	20	6,0	6	6	189	1008
21	6,0	24	2	164	1632	
22	6,0	2	164	328	328	
23	8,0	2	164	494	494	
24	8,0	2	474	748	748	
25	8,0	2	27	389	778	
26	8,0	2	28	389	778	
27	8,0	2	470	940	940	
28	8,0	2	470	940	940	
29	8,0	2	473	946	946	
30	8,0	1	160	160	160	
31	8,0	1	390	390	390	
32	8,0	2	205	410	410	
33	8,0	2	345	690	690	
34	8,0	2	99	198	198	
35	10,0	3	480	960	960	
36	10,0	3	540	1080	1080	
37	10,0	2	250	500	500	
38	10,0	2	250	500	500	
39	10,0	5	151	755	755	
40	10,0	5	151	755	755	
41	10,0	2	311	622	622	
42	10,0	2	280	560	560	
43	10,0	2	233	466	466	
44	10,0	3	45	135	135	
45	10,0	3	288	864	864	
46	10,0	3	153	459	459	
47	10,0	8	679	5432	5432	
48	10,0	8	69	552	552	
49	10,0	1	185	185	185	
50	10,0	1	185	185	185	
51	10,0	6	303	1818	1818	
52	10,0	3	221	663	663	
53	10,0	3	347	1041	1041	
54	10,0	6	351	2106	2106	
55	12,5	2	730	1460	1460	
56	12,5	2	385	770	770	
57	12,5	2	57	385	770	
58	12,5	2	517	1034	1034	
59	12,5	4	135	540	540	
60	12,5	2	345	690	690	
61	12,5	4	690	2760	2760	
62	16,0	2	415	830	830	
63	16,0	2	415	830	830	
64	16,0	2	772	1544	1544	
65	16,0	2	655	1310	1310	
66	16,0	4	129	516	516	
67	16,0	1	380	380	380	
68	16,0	2	740	1480	1480	
69	16,0	2	740	1480	1480	
70	16,0	2	833	1666	1666	

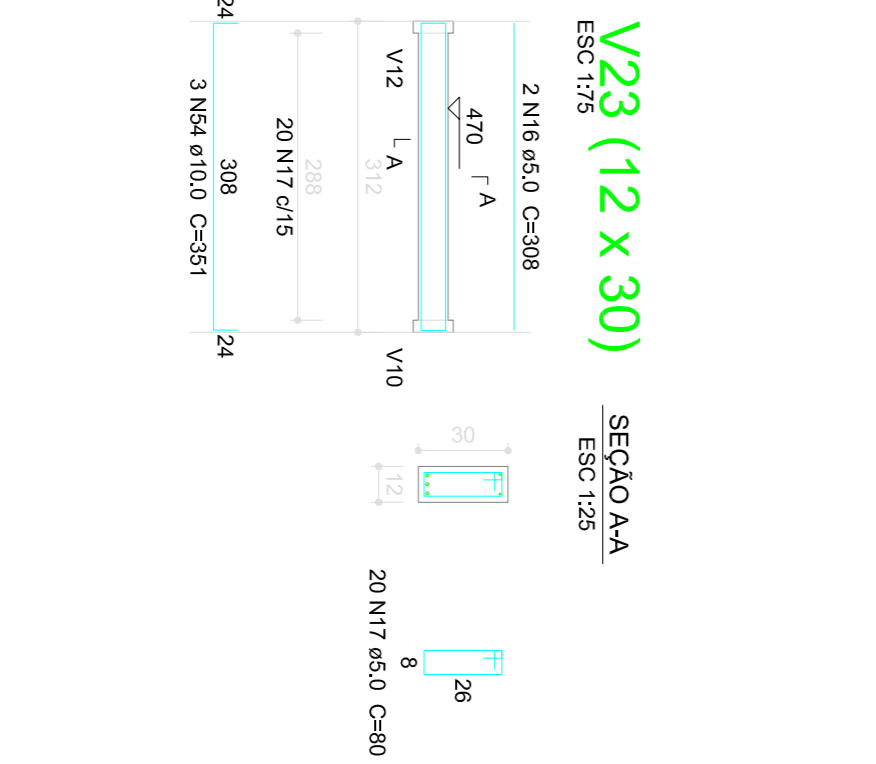
Resumo do aço

ACO	DIAM (mm)	C.TOTAL (cm)	QUANT +5%	PESO +5%
CA50	8,0	79,7	7	33
CA50	10,5	256,4	23	165,9
CA50	12,5	104,6	10	105,7
CA60	16,0	34,7	9	138,8
CA60	6,0	57,6	-	16,7
PESO TOTAL	(kg)			
CA50	461,5			
CA60	100,1			
Volume de concreto (C-30) = 5,26 m³				
Área de forma = 81,11 m²				

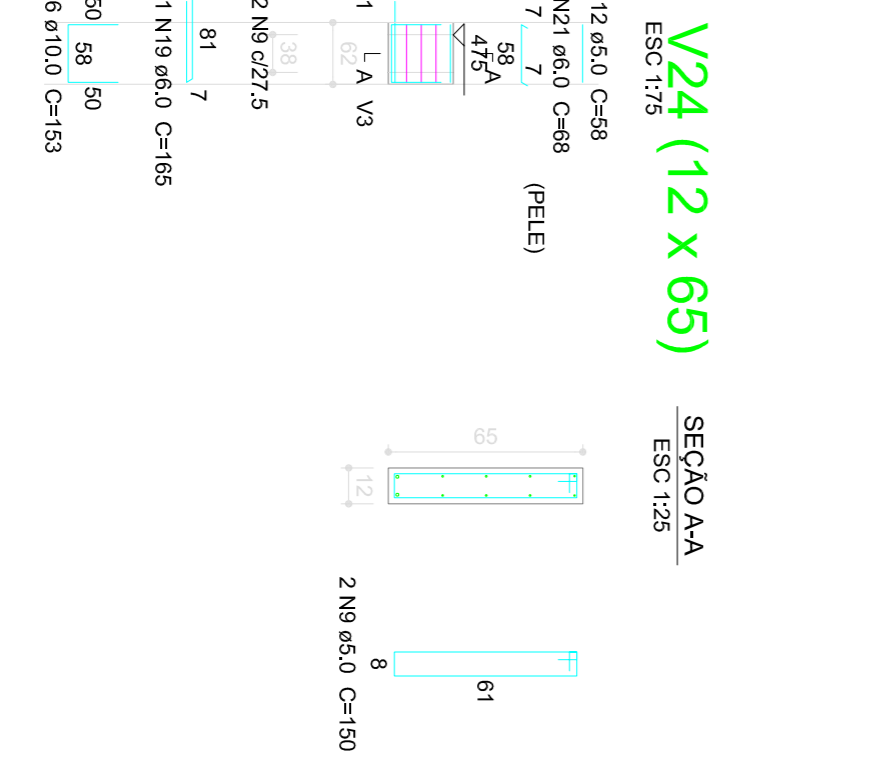
V22 (var)



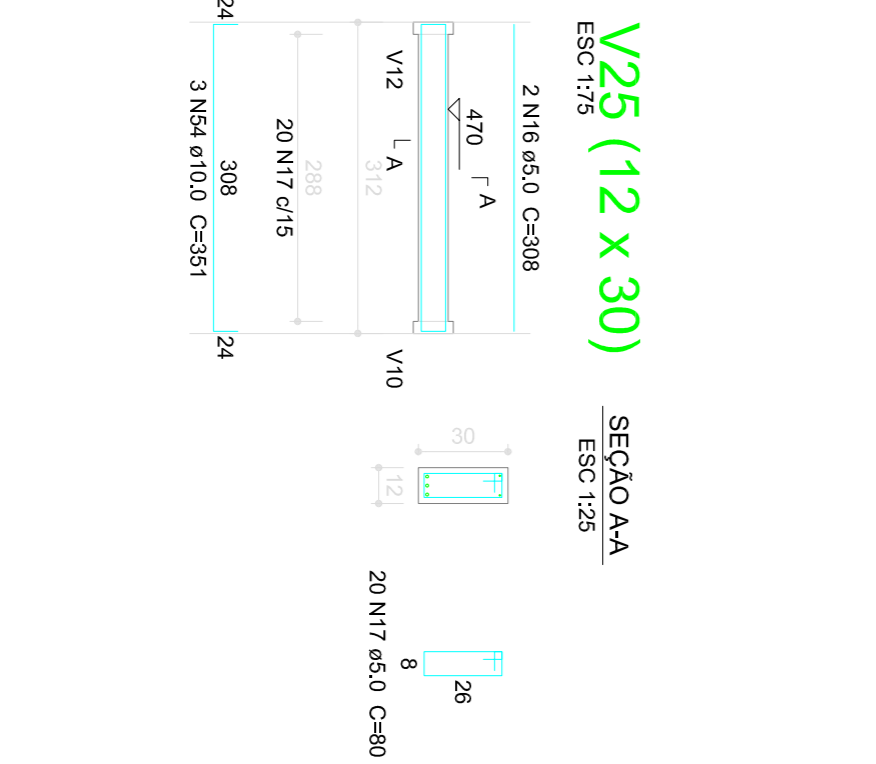
V23 (12 x 30)



V24 (12 x 65)




V25 (12 x 30)



Revisões da prancha

Nº	Comentário	Autor	Data
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX

Nota:
Deve-se ser conferidos os cotos no obra.
Deve-se providenciar as cotas sobre os desenhos.

PROJETO ESTRUTURAL		FELIPE CAVALCANTE GOMES LETTE - CREA 13.292 D CE	
RBS TECNICO			
 VICOS ENGENHARIA RUA PROFESSORA ANA MARIA, S/N - VÍCOSA, CE			
TITULO: PROJETO ESTRUTURAL		TITULO: VÍCOSA PREV	
PROJETADE: PREFEITURA DE VÍCOSA DO CEARÁ		DATA: FEVEREIRO/2017	
ASSINTE: AS VIGAS DO PISO 1		P: 11 / 24	
RESUMO: RUA PROFESSORA ANA MARIA, S/N - VÍCOSA, CE			

Relação do aço

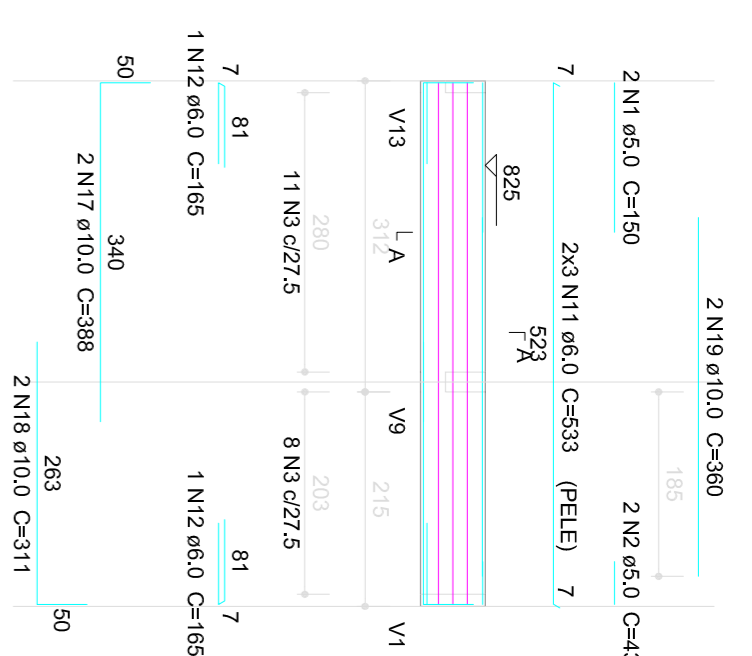
ACO	N	DIAM	QUANT	CUMT	C.TOTAL
		(mm)		(cm³)	(cm³)
C650	1	5,0	2	150	300
	2	5,0	43	86	86
	3	5,0	150	5550	5550
	4	5,0	158	318	318
	5	5,0	132	156	2022
	6	5,0	12	203	2436
	7	5,0	12	186	2154
	8	5,0	13	4	51
	9	5,0	4	51	204
	10	5,0	10	60	600
	11	6,0	16	533	3198
	12	6,0	6	188	1008
13	6,0	38	68	2448	
14	6,0	8,0	4	75	
15	8,0	2	379	758	
16	8,0	2	388	776	
17	10,0	2	380	770	
18	10,0	2	253	506	
19	10,0	2	253	506	
20	10,0	2	253	506	
21	10,0	4	540	2160	
22	10,0	3	343	1029	
23	10,0	3	288	864	
24	10,0	3	288	864	
25	10,0	12	4	530	
26	10,0	4	530	2120	
27	10,0	12	69	828	
28	10,0	3	348	1047	
29	10,0	9	303	2727	
30	10,0	9	303	2727	
31	10,0	6	339	2028	
32	10,0	6	58	232	
33	12,5	6	135	810	
34	16,0	2	390	780	
35	16,0	4	628	2512	
36	16,0	2	446	2052	
37	16,0	3	446	2052	
38	16,0	1	485	485	
39	16,0	2	453	906	
40	16,0	1	575	575	
41	16,0	9	693	6147	
42	16,0	1	310	310	
43	16,0	1	310	310	
44	16,0	2	599	1198	

Resumo do aço

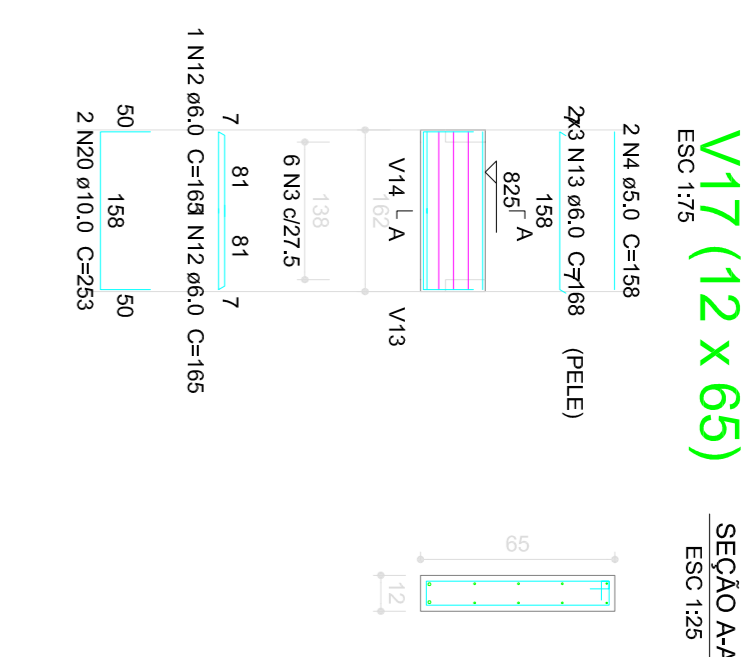
ACO	DIAM	C.TOTAL	QUANT + 5%	PESO + 5%
	(mm)	(m³)	(t)	(kg)
C650	10,0	224,8	20	145,5
	12,5	8,1	1	8,2
	16,0	156,5	14	262,6
C660	5,0	327,1	-	52,9
	6,0	63,1	-	19,4
PESO TOTAL				
C650	420,7			
C660	72,3			

Volume de concreto (C=30) = 3,58 m³
 Área de formas = 47,43 m²

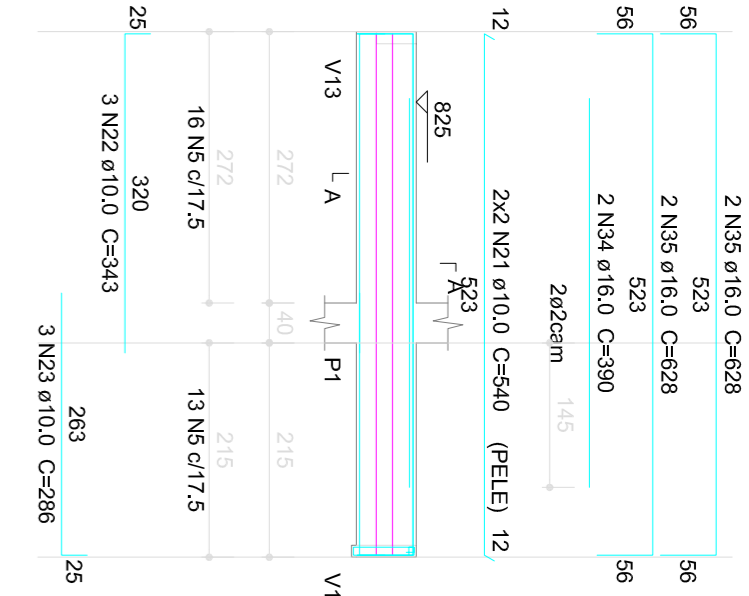
V16 (12 x 65)



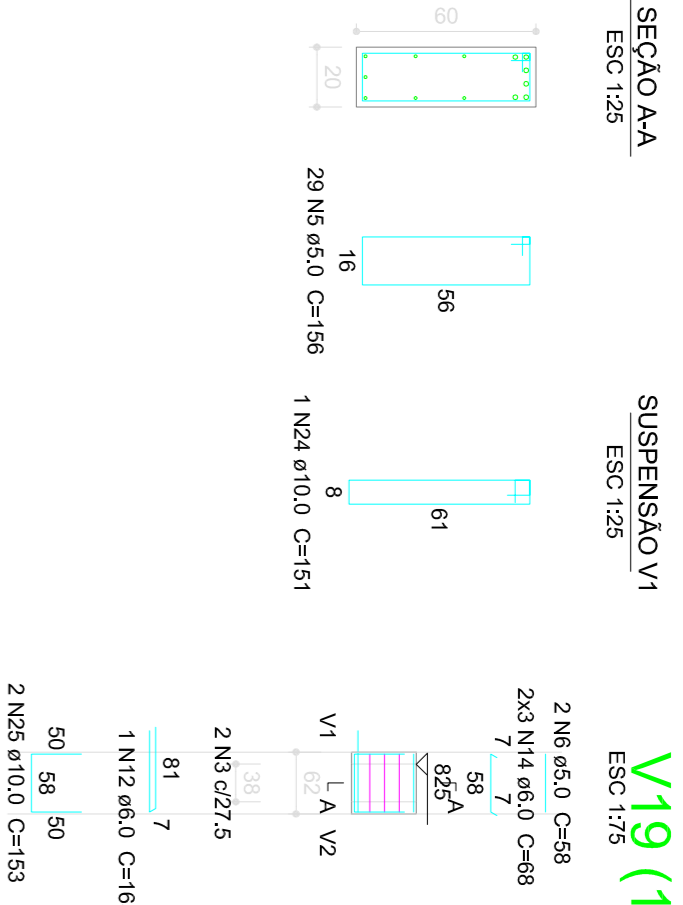
V17 (12 x 65)



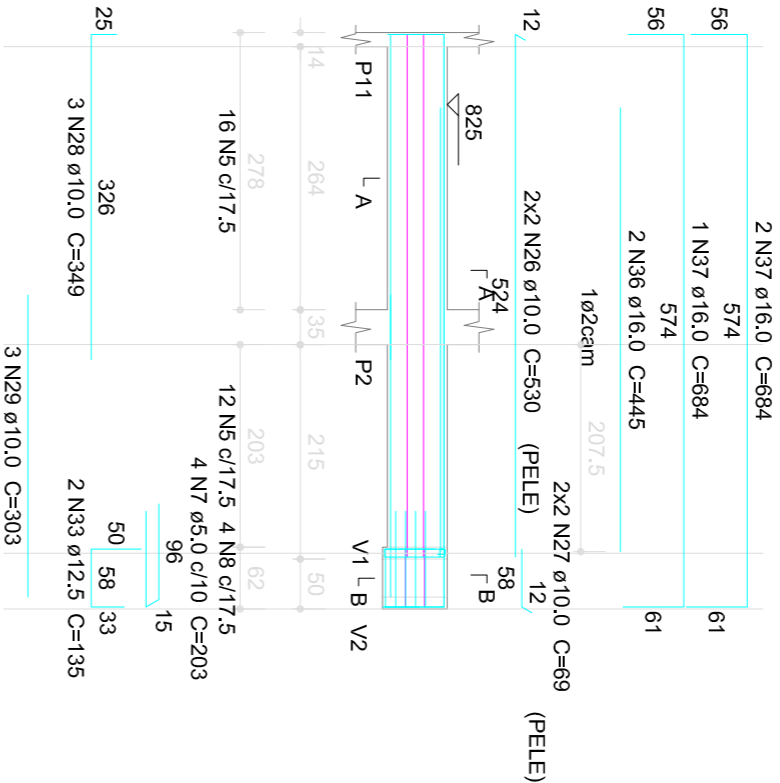
V18 (20 x 60)



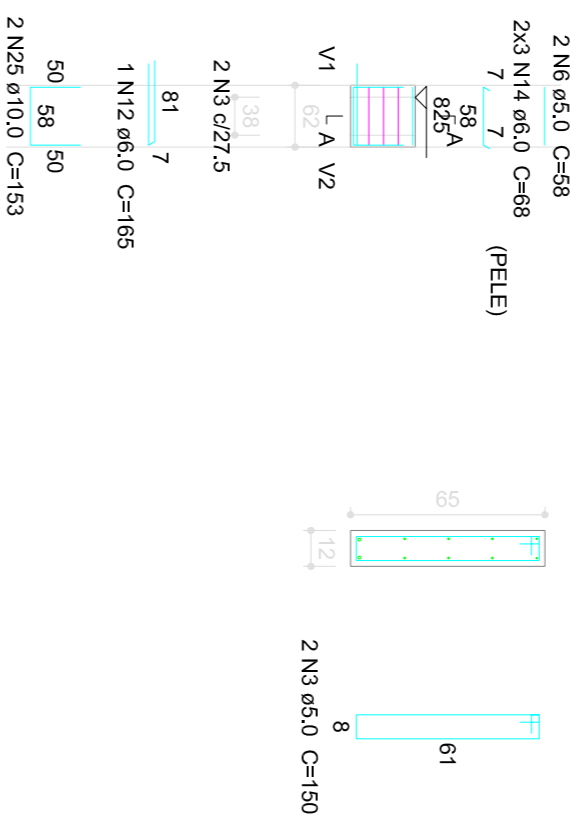
V19 (12 x 65)



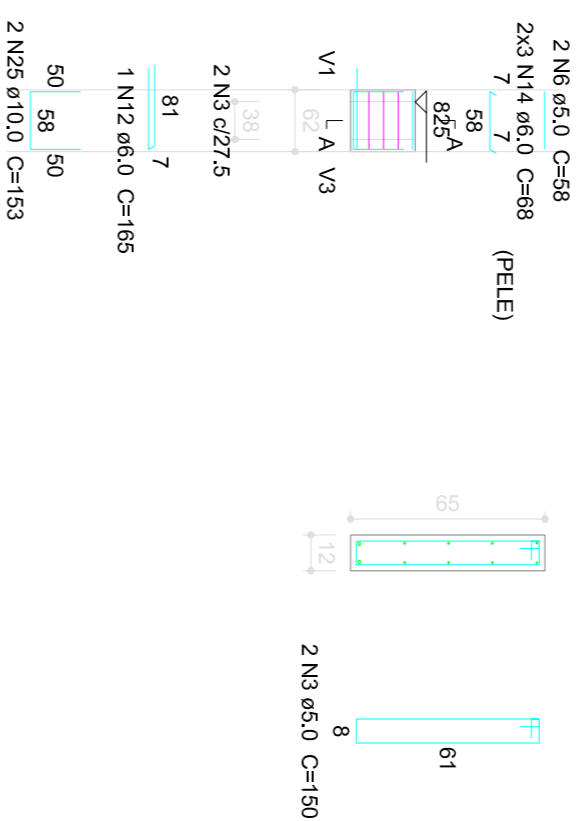
V20 (var)



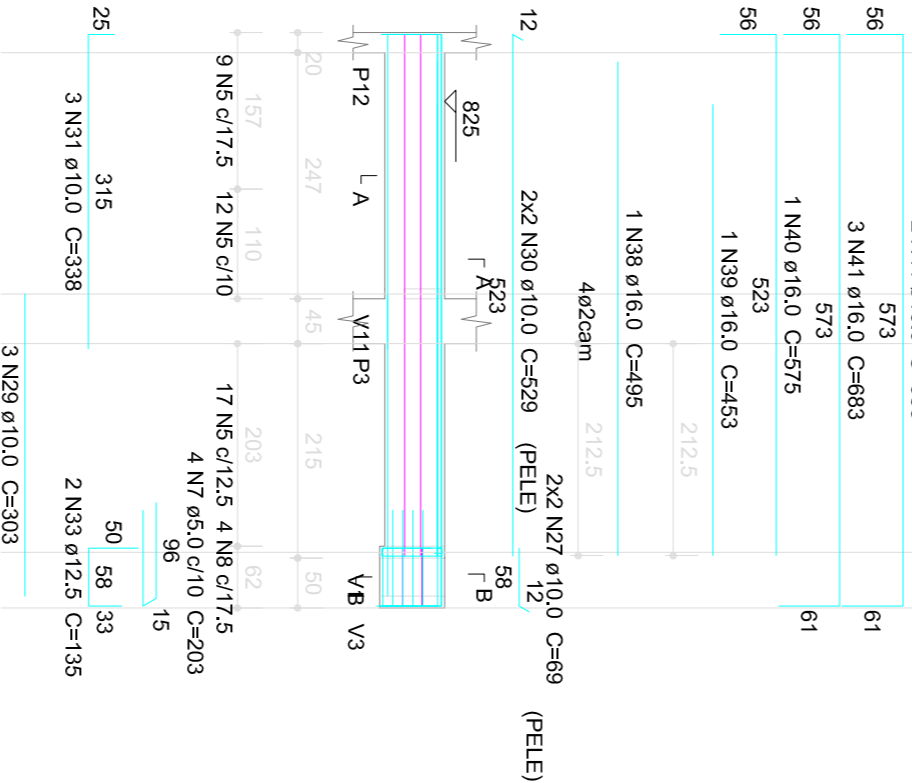
V21 (12 x 65)



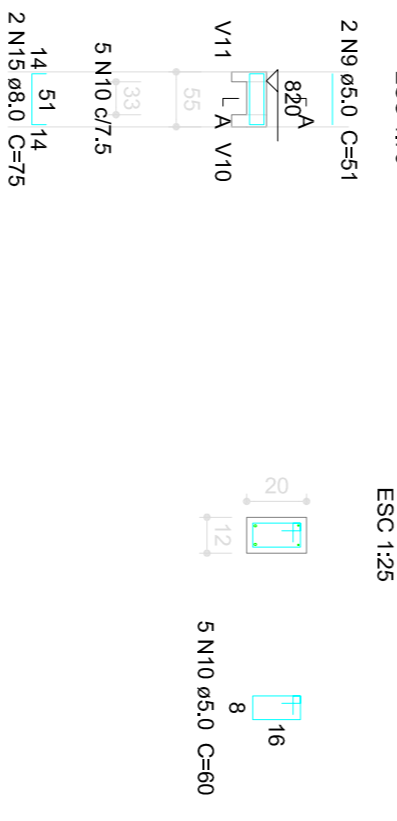
V22 (12 x 65)



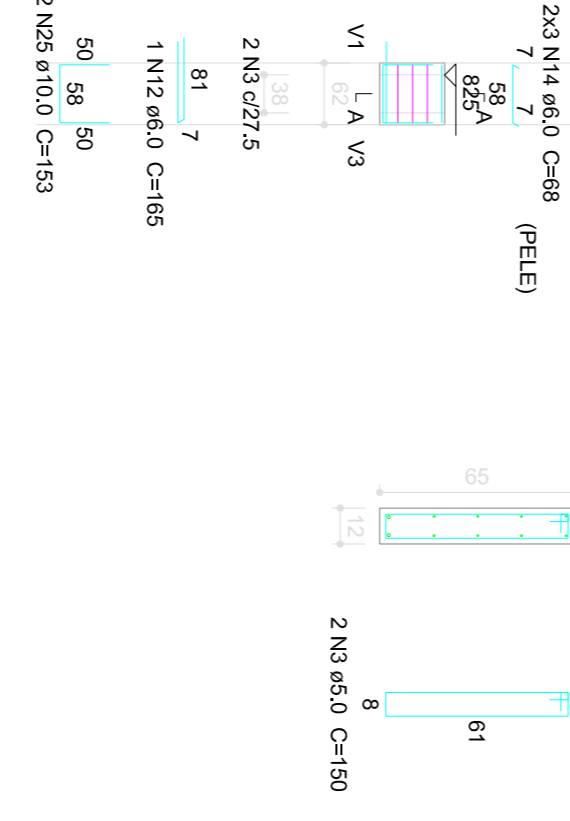
V23 (var)



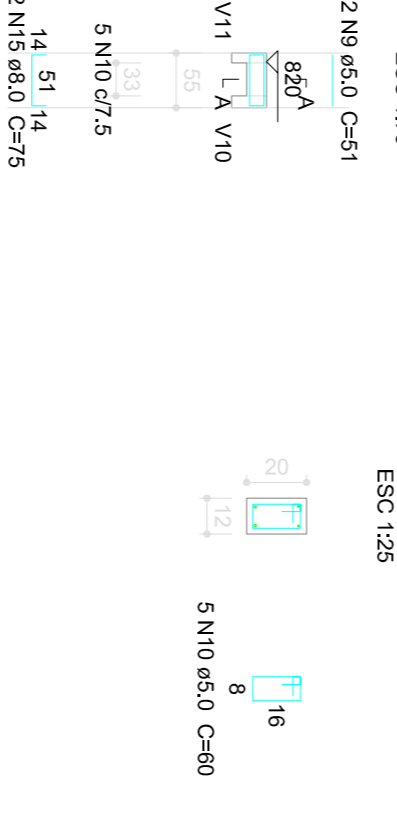
V24 (12 x 20)



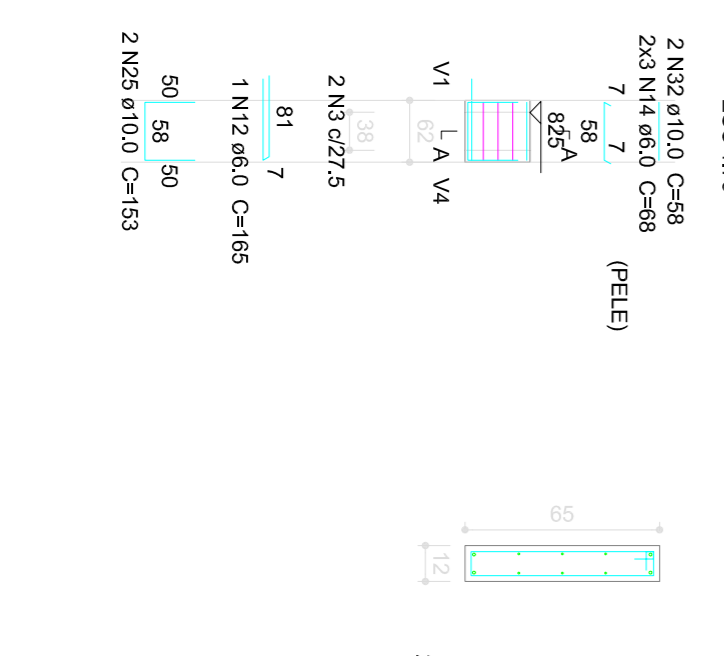
V25 (12 x 65)



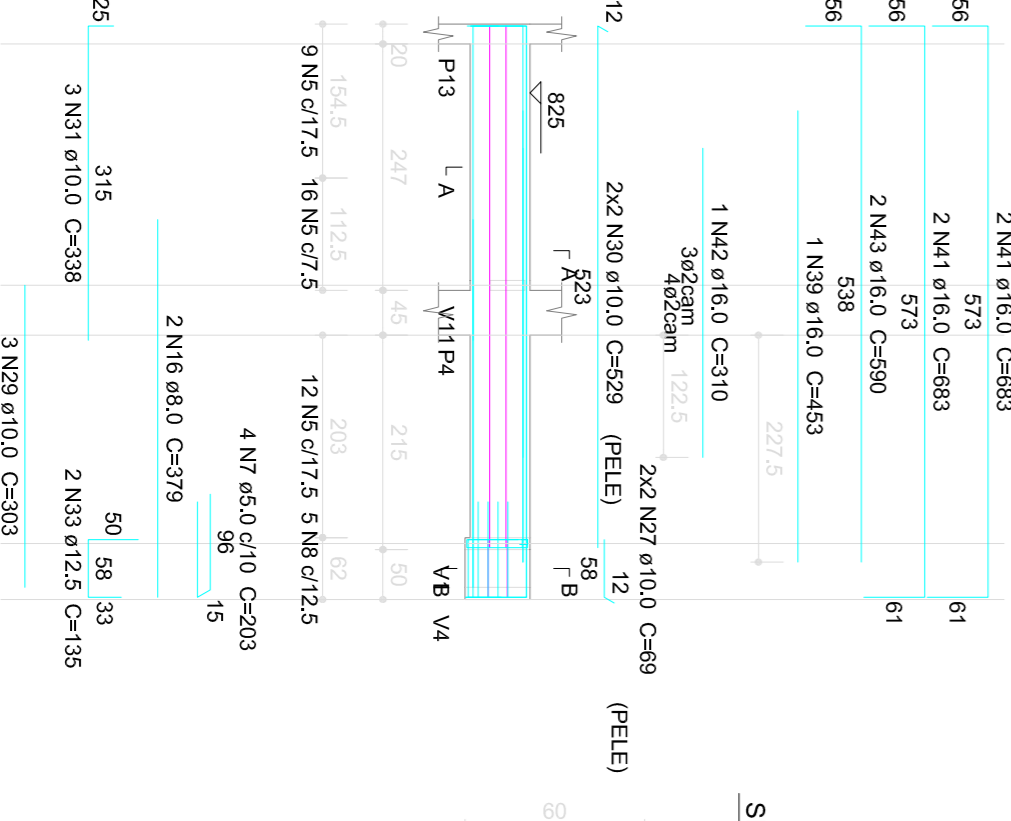
V26 (12 x 20)



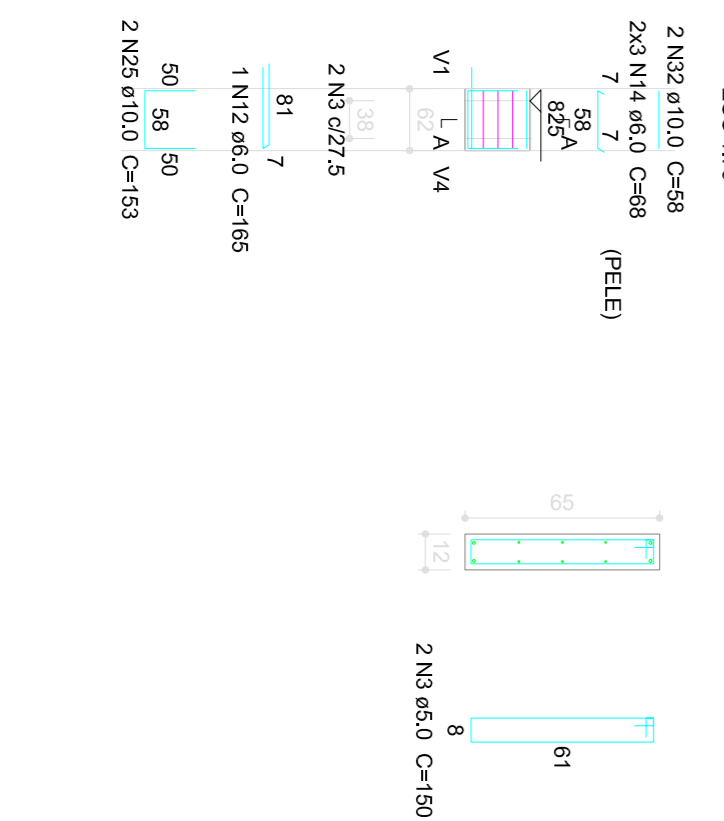
V27 (12 x 65)



V28 (var)



V29 (12 x 65)



Revisões da prancha

Nº	Comentário	Alter	Data
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX

Nota:
 Deve-se ser conferidas as cotas no obra.
 Deve-se providenciar as cotas sobre os desenhos.

PROJETO ESTRUTURAL
 R\$ 1.100,00

FELIPE CAVALCANTE GOMES LETTE – CREA 13.292 - D CE

PROJETO ESTRUTURAL

PREFETURA MUNICIPAL DE VIÇOSA DO CEARA

CONSTRUÇÃO DO VIÇOSA PREV

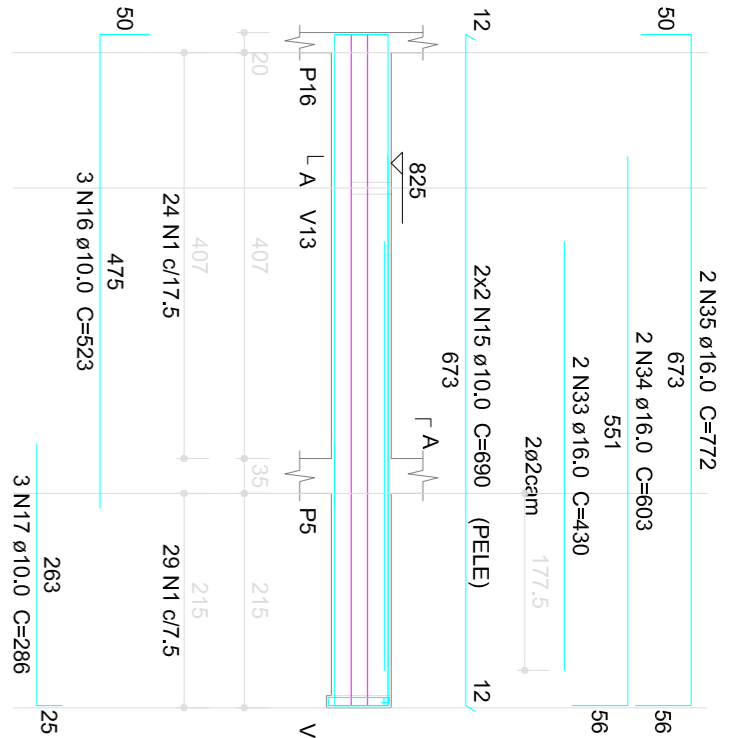
PROJETO ESTRUTURAL

DATA: MAIO/ 2017

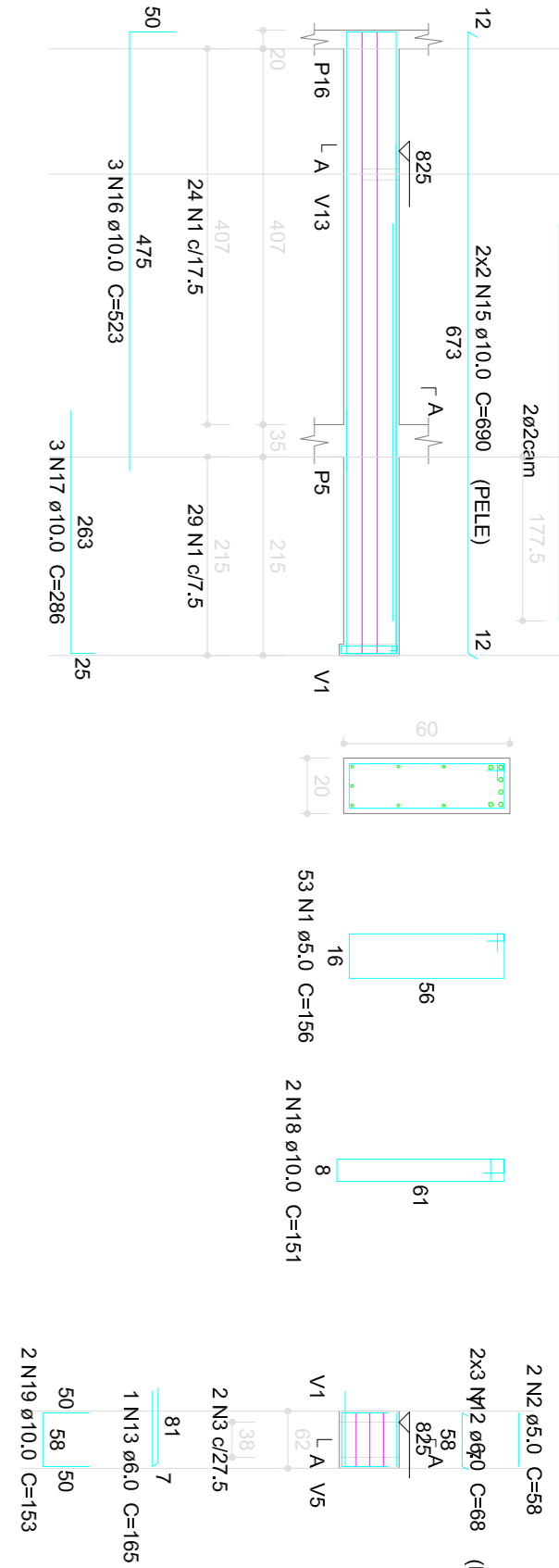
PR: 17 /24

PROFESSOR: RUA PROFESSORA ANA MARIA, S/N - VIÇOSA, CE

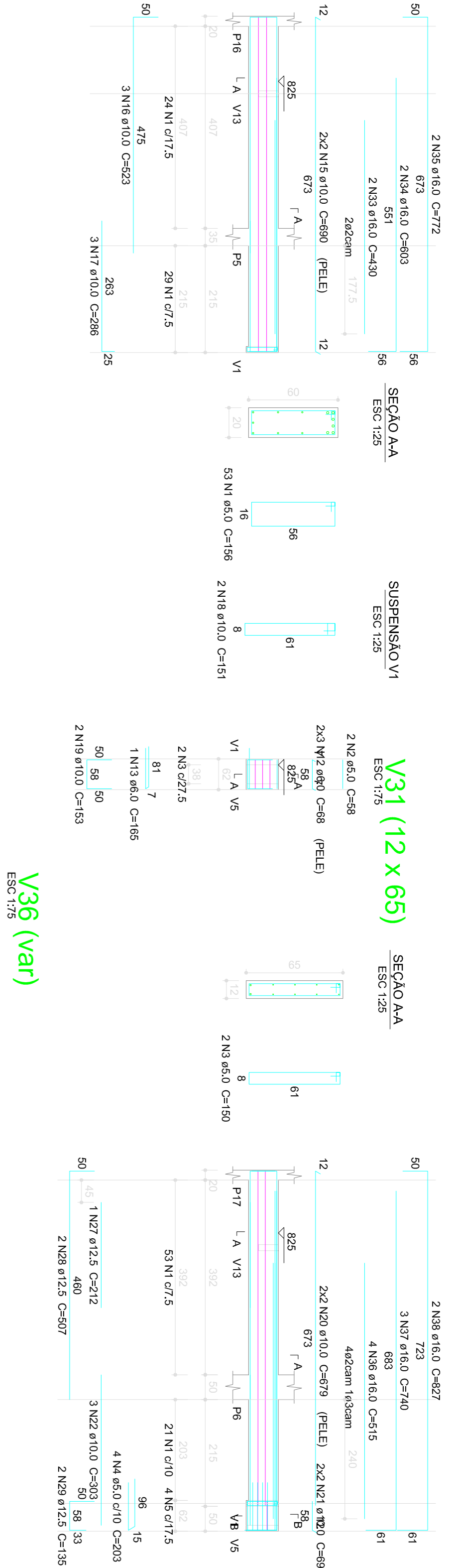
V30 (20 x 60)



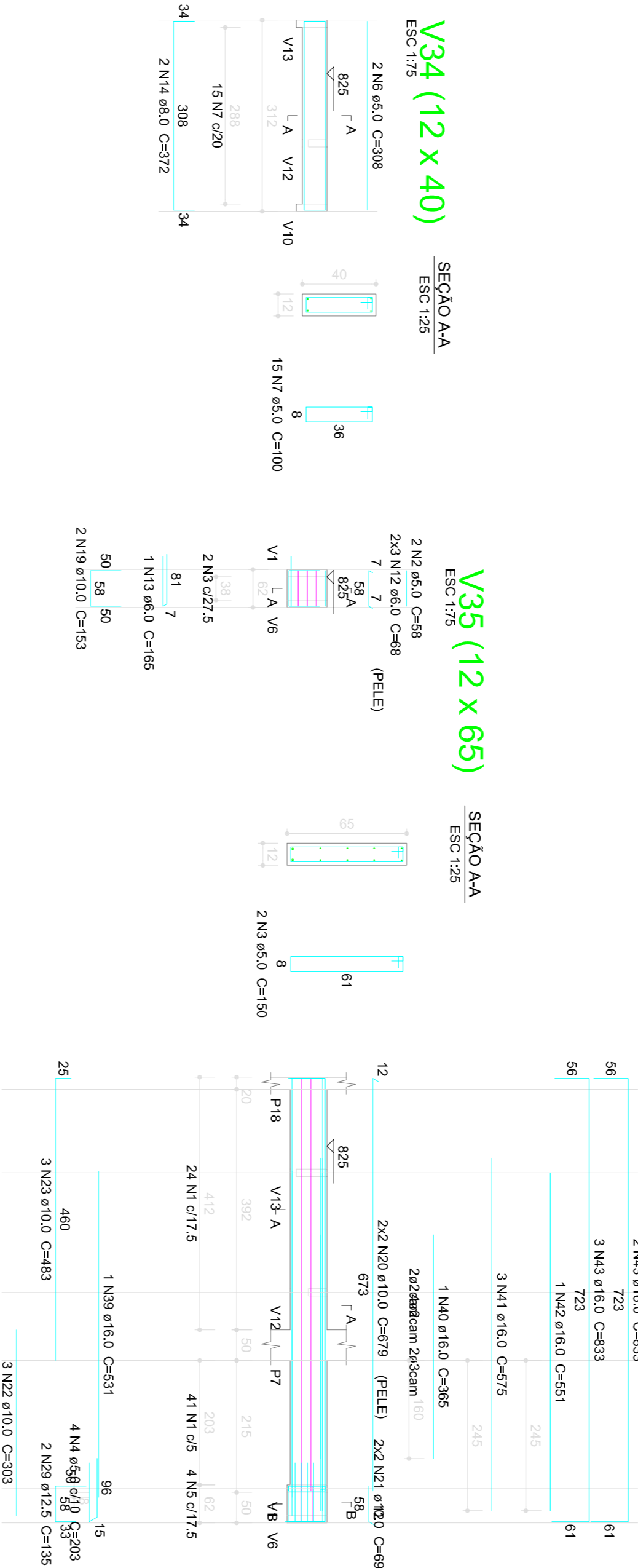
V31 (12 x 65)



V32 (var)



V36 (var)



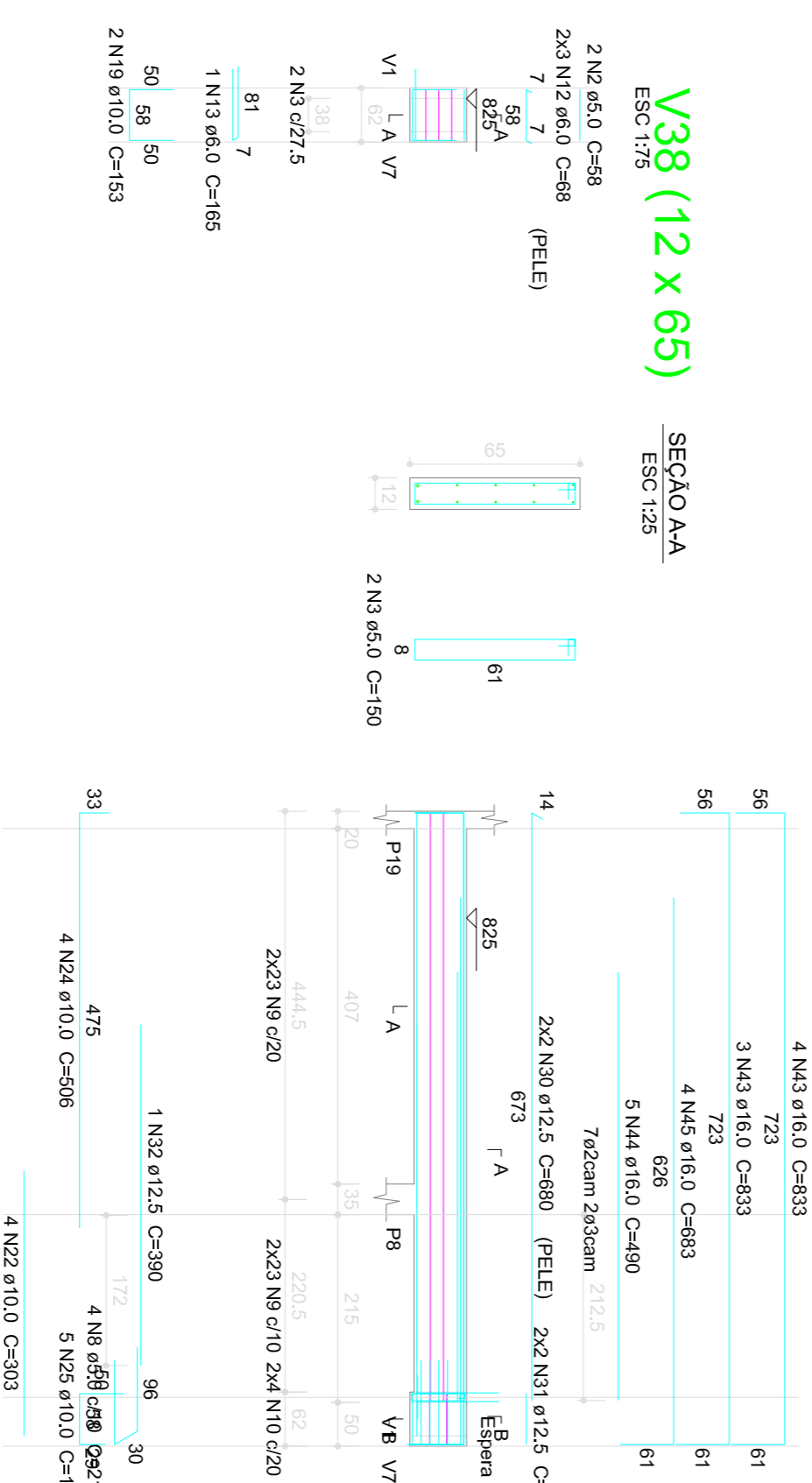
Relação do aço

Viga	N	DIA	QUANT.	CUNTA	C-TOTAL	
CA60	1	5,0	192	(mm)	(mm)	
	2	5,0	14	58	212	
	3	5,0	14	150	2100	
	4	5,0	8	203	1624	
	5	5,0	8	188	1328	
CA60	1	5,0	12	308	1516	
	2	5,0	12	158	790	
	3	5,0	4	218	872	
	4	5,0	92	166	15272	
	5	5,0	8	176	1408	
CA50	1	6,0	42	88	2584	
	2	6,0	4	84	654	
	3	6,0	14	84	1176	
	4	6,0	2	690	2760	
	5	6,0	3	1569	5697	
	6	6,0	3	288	868	
	7	6,0	8	131	728	
	8	6,0	8	679	5432	
	9	6,0	8	69	552	
	10	6,0	10	303	3030	
	11	6,0	10	4	403	1208
	12	6,0	4	483	1449	
	13	6,0	4	306	918	
	14	6,0	8	712	2580	
	15	6,0	2	627	1884	
	16	6,0	2	111	888	
17	6,0	3	212	636		
18	6,0	2	507	1521		
19	6,0	4	135	540		
20	6,0	4	880	2720		
21	6,0	1	386	1158		
22	6,0	2	430	860		
23	6,0	2	603	1206		
24	6,0	2	772	1544		
25	6,0	4	516	1548		
26	6,0	3	831	2493		
27	6,0	2	827	1654		
28	6,0	1	111	888		
29	6,0	1	212	212		
30	6,0	1	1014	1014		
31	6,0	4	336	1344		
32	6,0	1	386	386		
33	6,0	2	403	806		
34	6,0	2	603	1206		
35	6,0	2	772	1544		
36	6,0	4	516	2064		
37	6,0	2	627	1254		
38	6,0	2	827	1654		
39	6,0	1	531	531		
40	6,0	1	531	531		
41	6,0	3	575	1725		
42	6,0	1	1	551		
43	6,0	1	12	633		
44	6,0	4	476	1904		
45	6,0	4	683	2732		

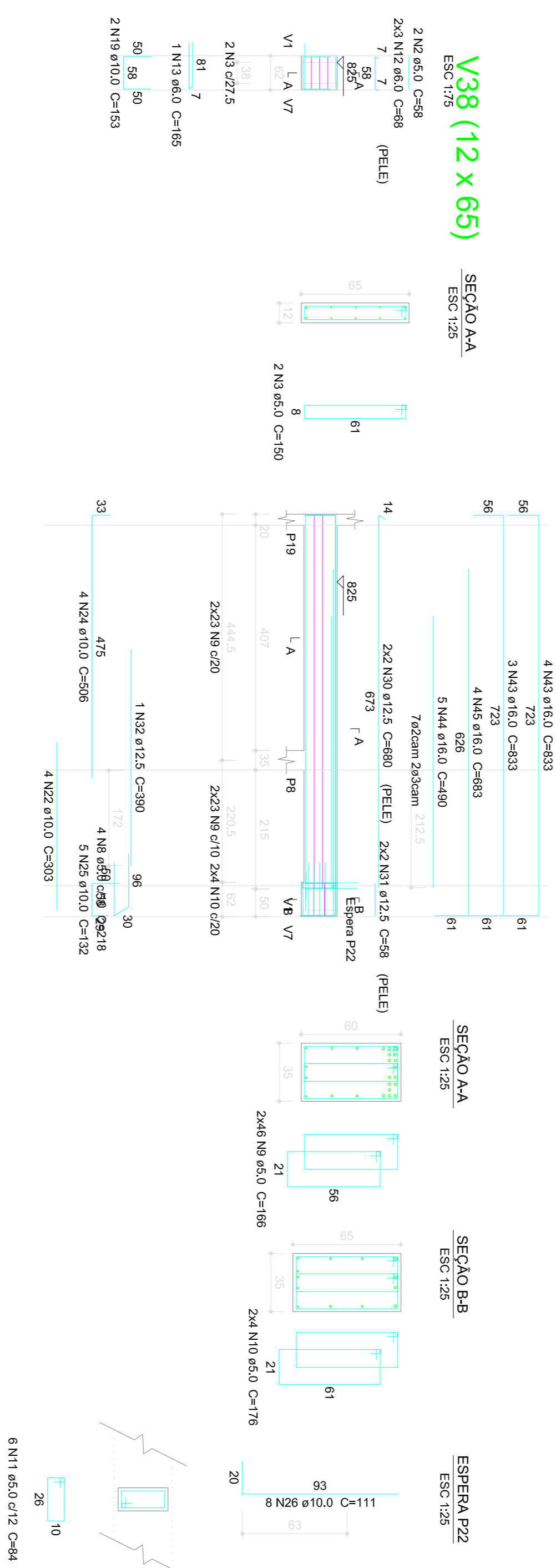
Resumo do aço

ACO	DIA	C.TOTAL	QUANT +5%	PESO +5%
CA60	8,0	7,5	1	3,1
CA60	10,0	225,8	20	146,1
CA60	12,5	51,1	5	51,7
CA60	16,0	219	25	462,3
CA60	20,0	579	3	1158,0
CA60	25,0	40,2	-	9,3
PESO TOTAL				
CA50	683,1			
CA60	100			
Total				
Volume de concreto (C-20) = 4,59 m³				
Área de forma = 50,3 m²				

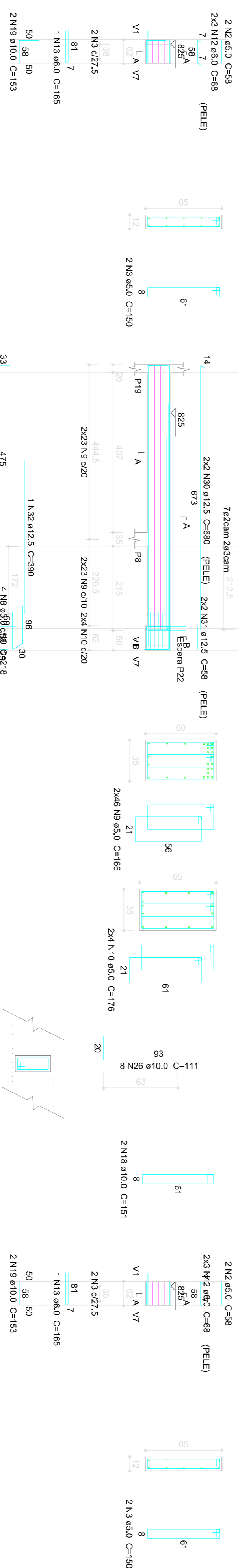
V38 (12 x 65)



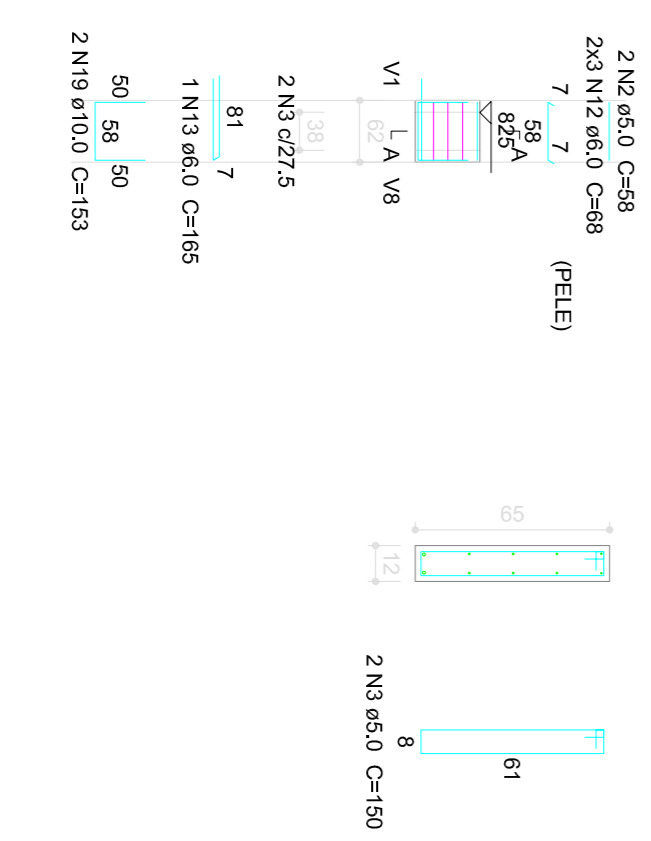
V39 (var)



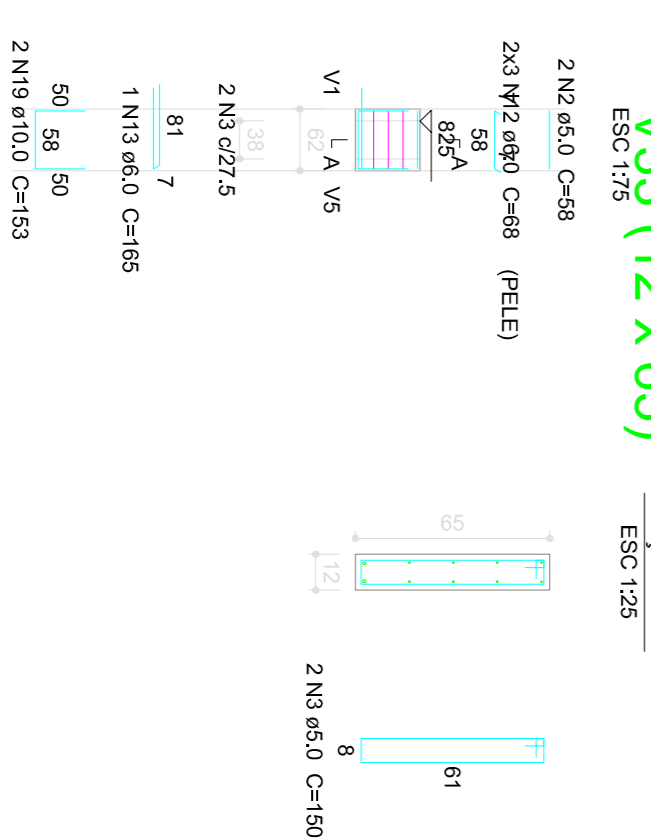
V40 (12 x 65)



V41 (12 x 65)



V33 (12 x 65)



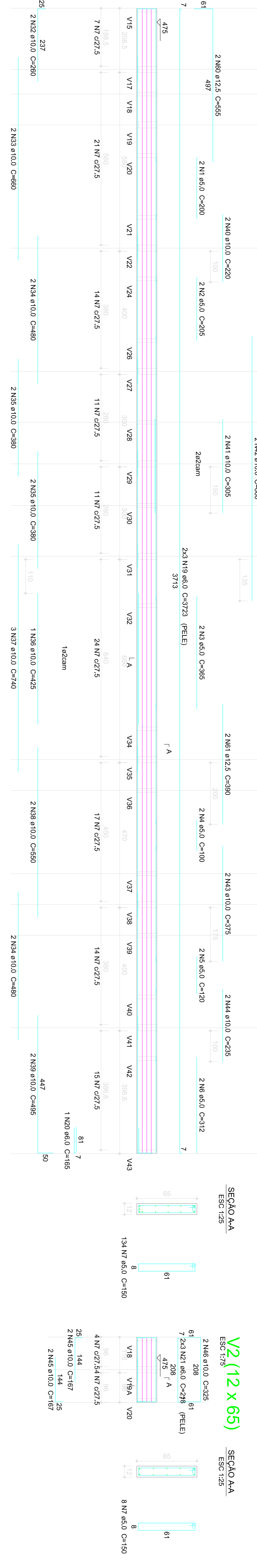
Revisões da prancha

Nº	Comentário	Autor	Data
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX
↔	↔	↔	↔
↔	↔	↔	↔

Nota:
Deverão ser contidas as cotas no obra.
Deverão prevalecer as cotas sobre os desenhos.

TÍTULO	PROJETO ESTRUTURAL	TÍTULO	VICOSA PREV
PROJETO ESTRUTURAL	PROJETO ESTRUTURAL	PROJETO ESTRUTURAL	PROJETO ESTRUTURAL
REVISÃO	REVISÃO	REVISÃO	REVISÃO
PROJETO	PROJETO	PROJETO	PROJETO
ASSINTE	ASSINTE	ASSINTE	ASSINTE
ASSINTE	ASSINTE	ASSINTE	ASSINTE
ASSINTE	ASSINTE	ASSINTE	ASSINTE
ASSINTE	ASSINTE	ASSINTE	ASSINTE
ASSINTE	ASSINTE	ASSINTE	ASSINTE
ASSINTE	ASSINTE	ASSINTE	ASSINTE
ASSINTE	ASSINTE	ASSINTE	ASSINTE
ASSINTE	ASSINTE	ASSINTE	ASSINTE

V1 (12 x 65)
ESC: 175



Relação do aço

AÇO	N	DIAM (mm)	QUANT	CUMINT (cm)	C/TOTAL (cm)
CA50	1	5,0	2	200	400
	3	5,0	2	365	730
	4	5,0	2	100	200
	5	5,0	2	120	240
	6	5,0	2	312	624
	7	5,0	200	150	30000
	8	5,0	37	19	4232
	16	5,0	19	80	860
	17	5,0	12	80	160
	18	5,0	2	80	160
	14	5,0	54	100	5400
	15	5,0	48	120	5760
	11	5,0	2	250	500
	12	5,0	2	250	500
	83	5,0	12	29	118
	50	5,0	22	90	1980
	86	5,0	47	120	5640
	88	5,0	6	3723	22338
	89	5,0	1	165	165
	20	6,0	1	185	185
	19	6,0	6	323	1938
	21	6,0	30	218	6540
	22	6,0	6	241	1446
	23	6,0	6	343	2058
	30	6,0	2	101	606
	32	6,0	2	187	482
	31	6,0	2	374	748
	29	6,0	2	384	768
	25	6,0	2	480	960
	26	6,0	2	479	958
	89	8,0	2	94	376
	91	8,0	2	275	550
	90	8,0	2	280	560
	32	10,0	4	260	1040
	33	10,0	4	480	1920
	34	10,0	4	380	1520
	35	10,0	4	425	1700
	36	10,0	3	740	2220
	37	10,0	3	550	1650
	38	10,0	2	225	450
	39	10,0	2	205	410
	41	10,0	2	305	610
	42	10,0	2	860	1720
	43	10,0	2	375	750
	44	10,0	2	235	470
	44	10,0	2	410	820
	45	10,0	2	107	214
	46	10,0	2	157	314
	47	10,0	4	232	928
	48	10,0	4	390	1560
	49	10,0	2	227	454
	50	10,0	2	450	900
	51	10,0	2	251	502
	51	10,0	2	251	502
	55	10,0	2	168	336
	56	10,0	2	477	954
	57	10,0	2	338	676
	58	10,0	1	215	215
	59	10,0	2	616	1232
	60	10,0	2	780	1560
	35	10,0	2	875	1750
	36	10,0	2	550	1100
	95	10,0	2	555	1110
	125	12,5	1	230	230
	61	12,5	2	460	920
	62	12,5	1	616	616
	96	12,5	1	616	616
	52	12,5	3	523	1569
	98	12,5	3	340	1020
	99	12,5	2	375	750
	12	12,5	1	270	270
	68	15,0	1	270	270
	72	15,0	1	560	560
	73	15,0	2	564	1128
	74	15,0	2	415	830
	75	15,0	1	751	751
	76	15,0	4	3004	12016
	100	16,0	1	370	370
	101	16,0	2	740	1480
	102	16,0	2	277	554
	103	16,0	1	280	280
	104	16,0	2	560	1120
	104	16,0	2	235	470
	105	16,0	4	470	1880

Resumo do aço

AÇO	DIAM (mm)	C/TOTAL (Barra)	QUANT + 5 %	PESO + 5 % (kg)
CA50	8,0	54,1	5	22,4
	10,0	353,6	31	228,8
	12,5	17,0	3	64,8
CA60	5,0	718,5	12	214,1
	6,0	334,1	-	116,3
PESO TOTAL (Kg)				77,9
CA50				536,2
CA60				194,1

Volume de concreto (C=30) = 7,26 m³
Área de forma = 132,24 m²

Revisões da prancha

Nº	Comentário	Autor	Data

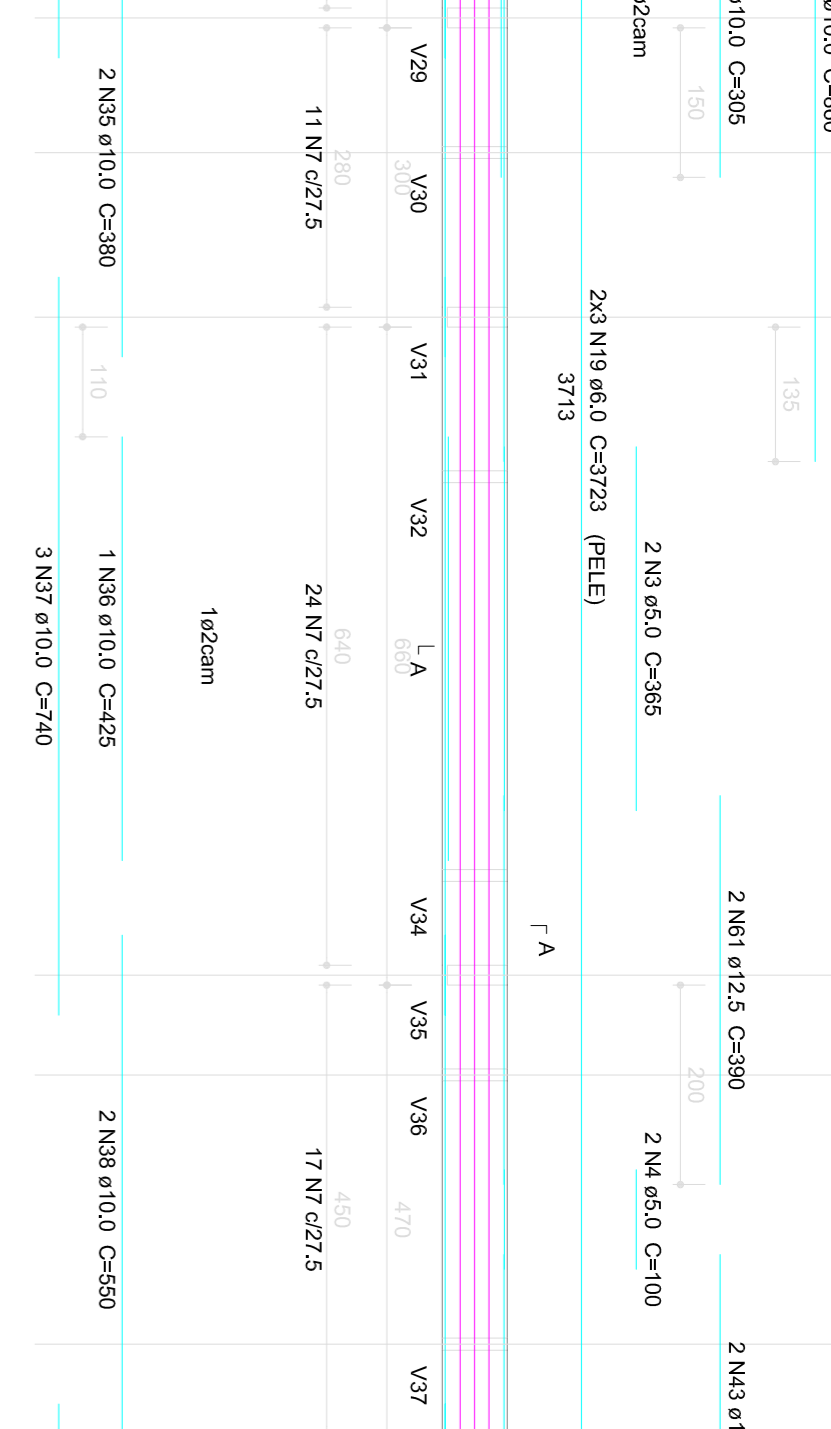
NOTA:
Deverão ser contidos os cortes no topo.
Deverão prevalecer as cotas sobre os desenhos.

PROJETO ESTRUTURAL		FELIPE CAVALCANTE CORREIA LETTE - CREA 13292 D CE	
PREFEITURA MUNICIPAL DE VIÇOSA DO CEARÁ		PREFEITURA MUNICIPAL DE VIÇOSA DO CEARÁ	
CONSTRUÇÃO DO VÍCOSA PREV		CONSTRUÇÃO DO VÍCOSA PREV	
TÍTULO	VIÇOSA PREV	TÍTULO	VIÇOSA PREV
PROJETO DE ESTRUTURAL		DATA	MAIO / 2017
ASSINTECH AS VIGAS DO PISO 1		PR 10 / 24	
RUA PROFESSORA ANA MARIA S/N - VIÇOSA, CE			

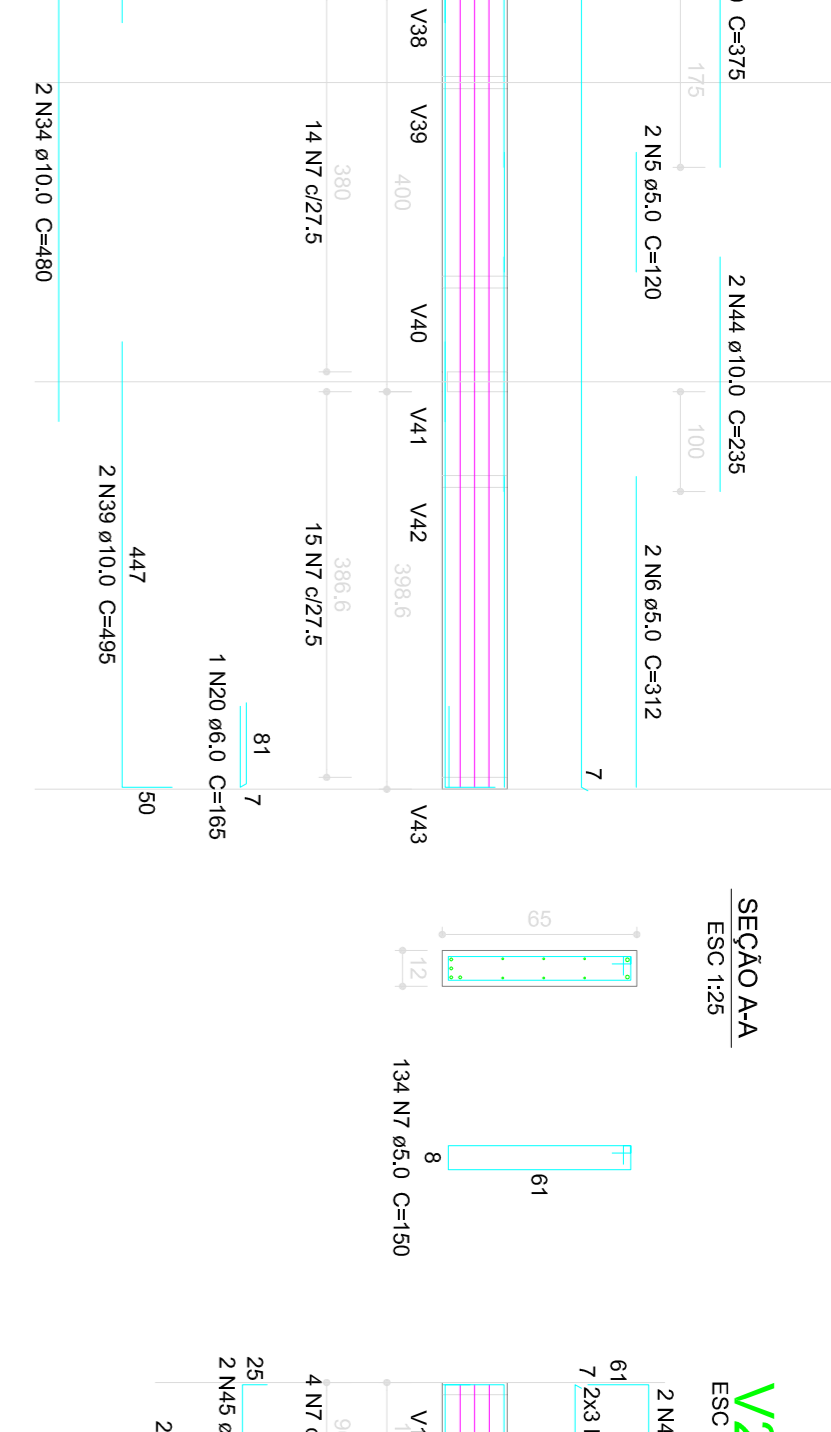
V1 (12 x 30)
ESC: 175



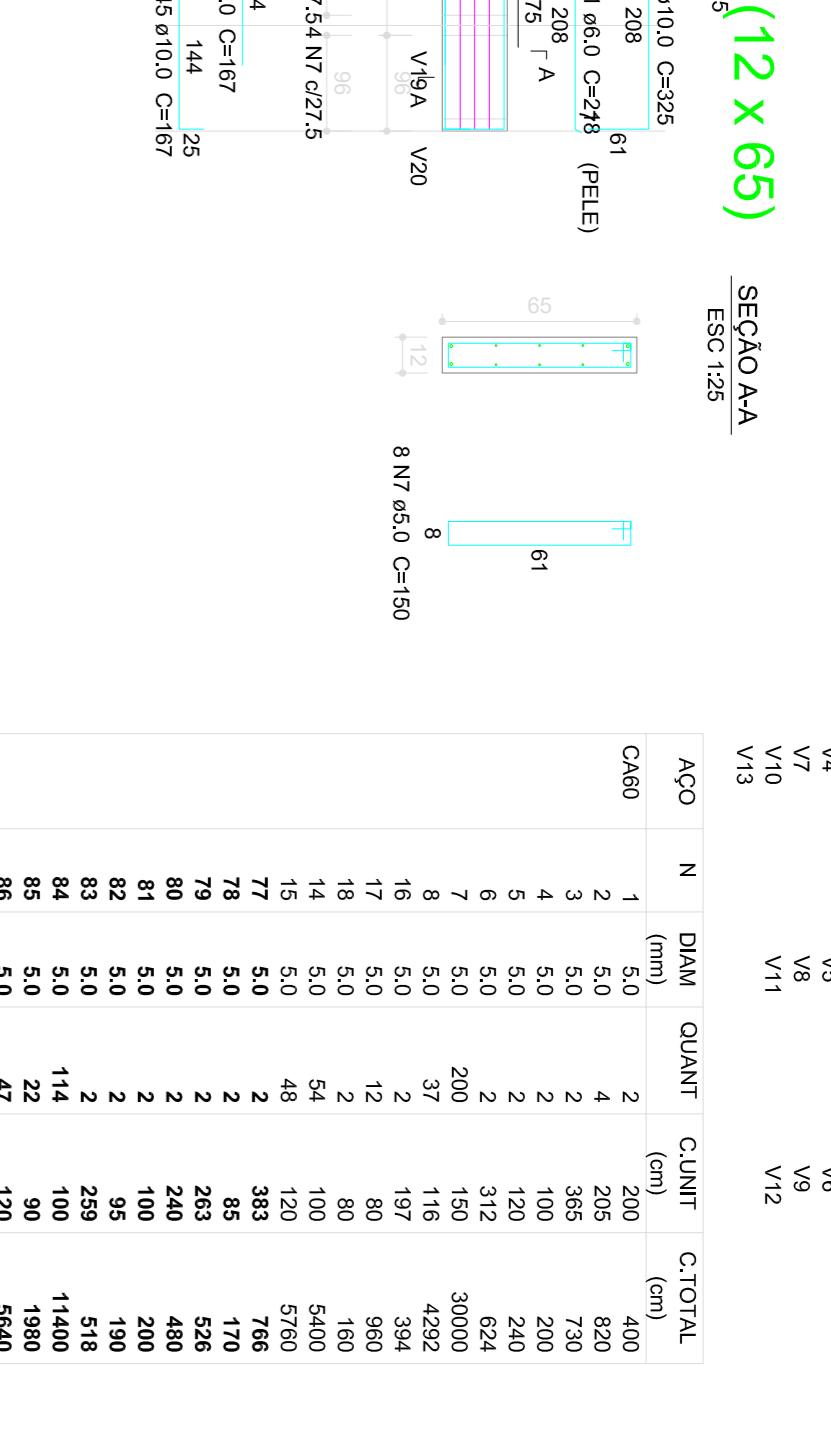
V2 (12 x 65)
ESC: 175



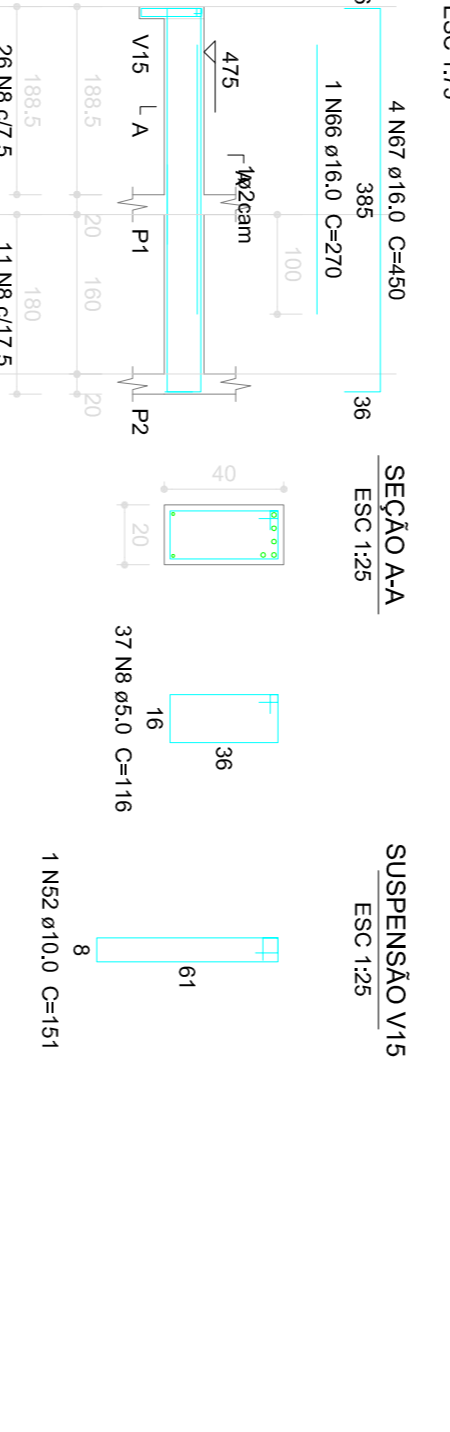
V3 (12 x 65)
ESC: 175



V4 (12 x 65)
ESC: 175



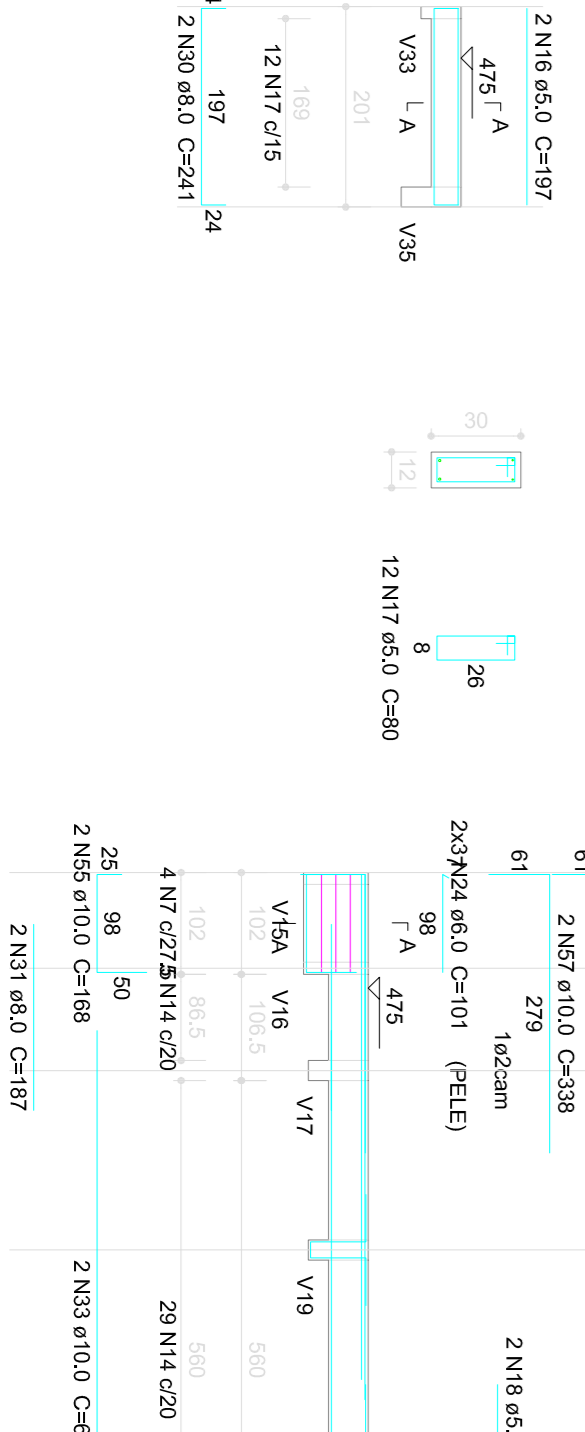
V9 (20 x 40)
ESC: 175



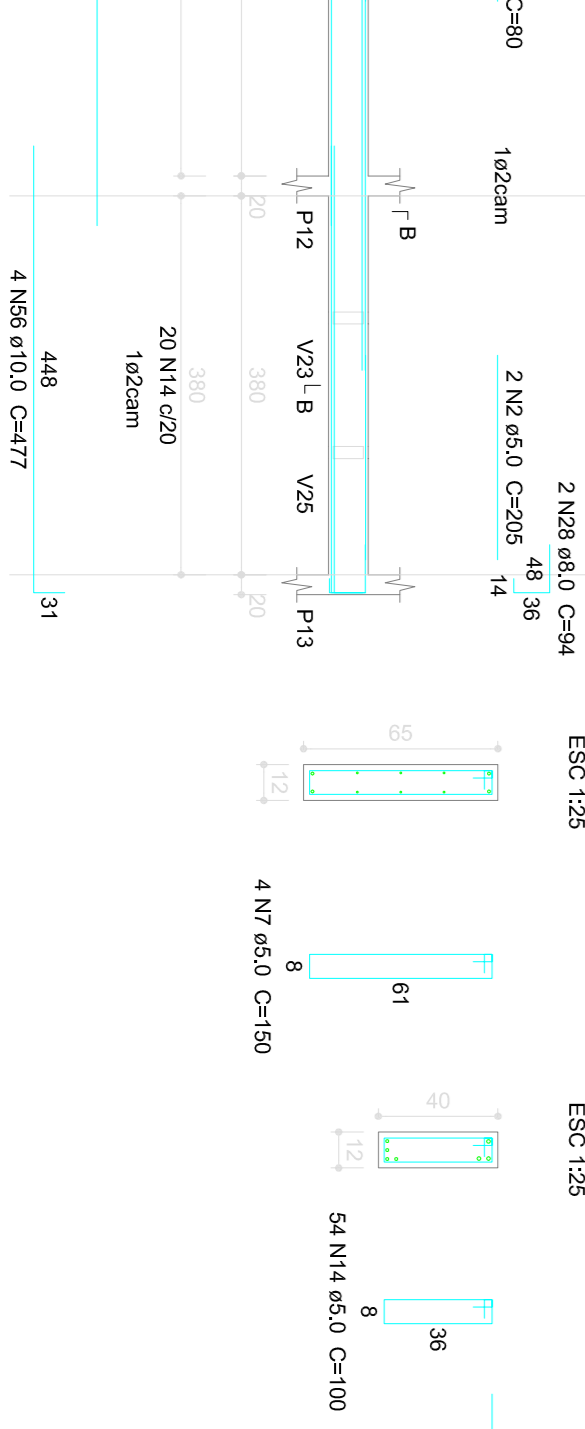
V10 (Var)
ESC: 175



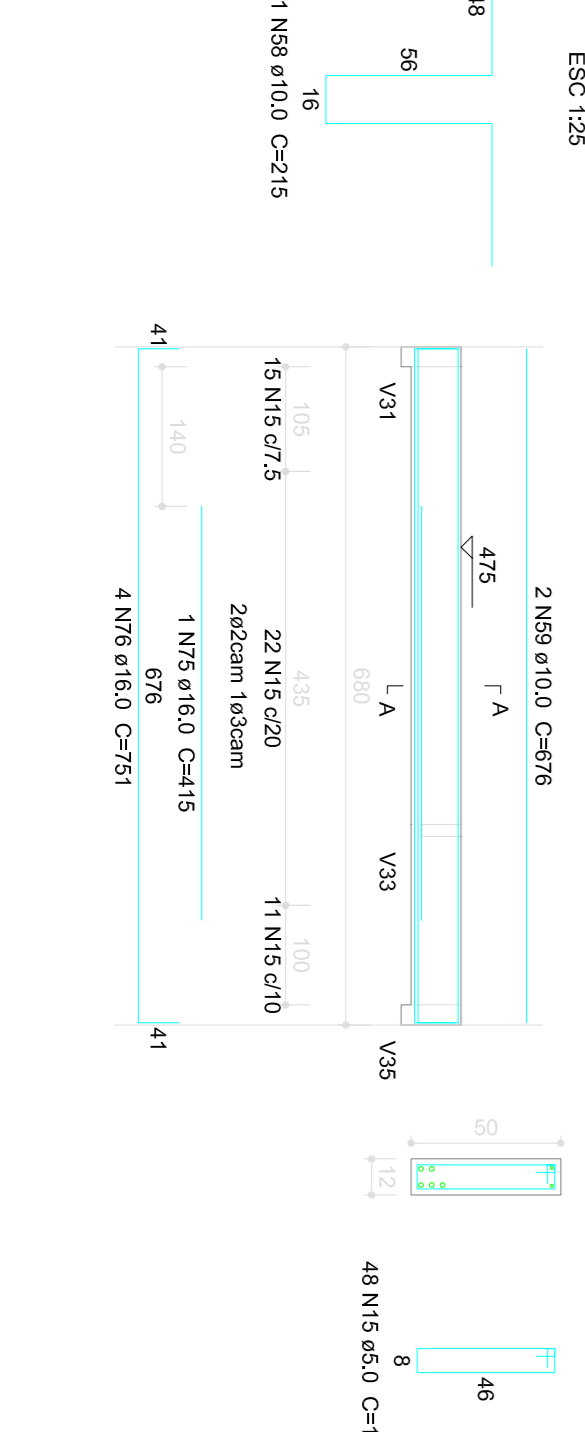
V11 (12 x 30)
ESC: 175



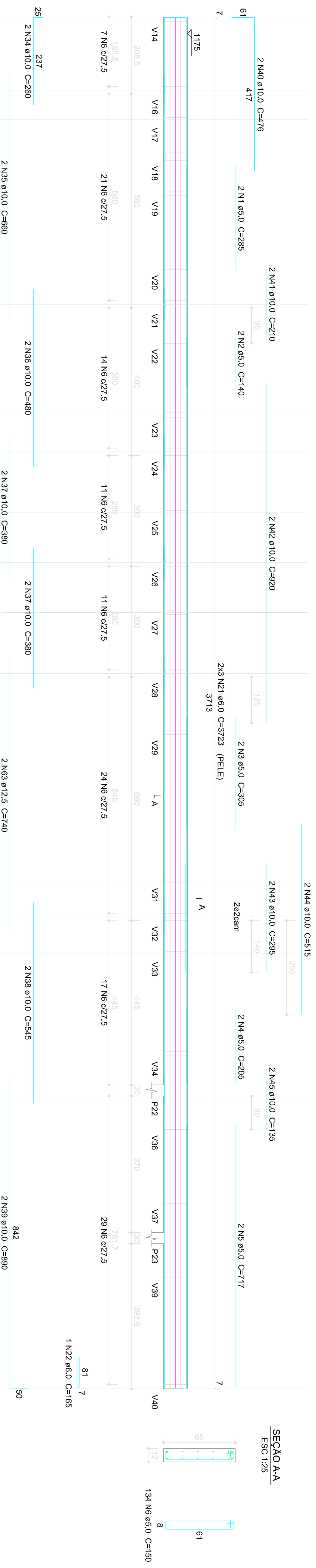
V12 (Var)
ESC: 175



V13 (12 x 50)
ESC: 175



V1 (12 x 65)



Relação do aço

ACO	N	DIM	QUANT	CUMT	C.TOTAL
C650	1	5,0	2	(0,285)	(5m) 570
	2	14,0	280	3920	4490
	3	5,0	2	30,5	610
	4	5,0	2	20,5	410
	5	5,0	2	17,0	3350
	6	5,0	22	116	3132
	7	5,0	27	116	3132
	8	5,0	2	990	1180
	9	5,0	62	120	7440
	10	5,0	2	197	394
	11	5,0	12	80	960
	12	5,0	2	201	402
	13	5,0	2	488	976
	14	5,0	2	488	976
	15	5,0	89	100	8900
	16	5,0	2	58	116
	17	5,0	4	201	604
	18	5,0	37	156	5772
	19	5,0	3	166	498
	20	5,0	3	3723	22338
	21	6,0	6	218	6540
	22	6,0	2	76	152
	23	6,0	30	218	6540
	24	6,0	2	165	330
	25	6,0	6	343	2058
26	6,0	6	68	408	
27	6,0	6	683	4098	
28	8,0	4	80	320	
29	8,0	2	241	622	
30	8,0	2	272	680	
31	8,0	2	660	1320	
32	8,0	2	380	760	
33	8,0	2	145	290	
34	10,0	4	260	1040	
35	10,0	4	260	1040	
36	10,0	4	680	1320	
37	10,0	4	360	1500	
38	10,0	4	545	1090	
39	10,0	2	890	1780	
40	10,0	2	476	952	
41	10,0	2	210	420	
42	10,0	2	320	640	
43	10,0	2	150	300	
44	10,0	2	515	1030	
45	10,0	2	135	270	
46	10,0	22	167	3674	
47	10,0	10	325	3250	
48	10,0	4	232	728	
49	10,0	4	227	728	
50	10,0	2	227	454	
51	10,0	2	450	900	
52	10,0	2	251	502	
53	10,0	2	151	302	
54	10,0	2	780	1560	
55	10,0	2	177	354	
56	10,0	2	153	306	
57	10,0	2	523	1046	
58	10,0	2	286	572	
59	10,0	4	680	2720	
60	10,0	4	70	280	
61	10,0	4	238	952	
62	10,0	4	238	952	
63	12,5	2	740	1480	
64	12,5	1	305	305	
65	12,5	1	690	1380	
66	12,5	1	431	431	
67	12,5	1	277	277	
68	12,5	2	138	276	
69	16,0	1	280	280	
70	16,0	3	450	1350	
71	16,0	3	751	4506	
72	16,0	1	180	360	
73	16,0	2	385	770	
74	16,0	2	385	770	
75	16,0	2	743	1486	

Resumo do aço

ACO	DIM	COTIZ	QUANT +5%	PESO +5%
C650	8,0	36,8	4	15,2
	10,0	315,3	28	204,1
	12,5	61,5	6	62,2
C680	16,0	800,8	9	167
	6,0	874,7	-	1,873
PESO TOTAL				(kg)
C650	488,5			
C680	198,0			
Volume de concreto C=30 = 7,71 m³				
Area de forma = 134,1 m²				

V38 (var)

Revisões da prancha

Nº	Comentário	Alter	Data
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX

NOTA:

Deve-se ser conferidos os cotas no obra.
Deve-se providenciar as cotas sobras e desenhos.

PROJETO ESTRUTURAL
R83-110300

FELIPE CAVALCANTE GOMES LETTE - CREA 13292 D CE

PREFERÊNCIA MUNICIPAL DE
VICOSA DO CEARÁ

CONSTRUÇÃO DO VÍCOSA PREV

PROPRIETÁRIO: VÍCOSA PREV

PROJETO: PROJETO ESTRUTURAL

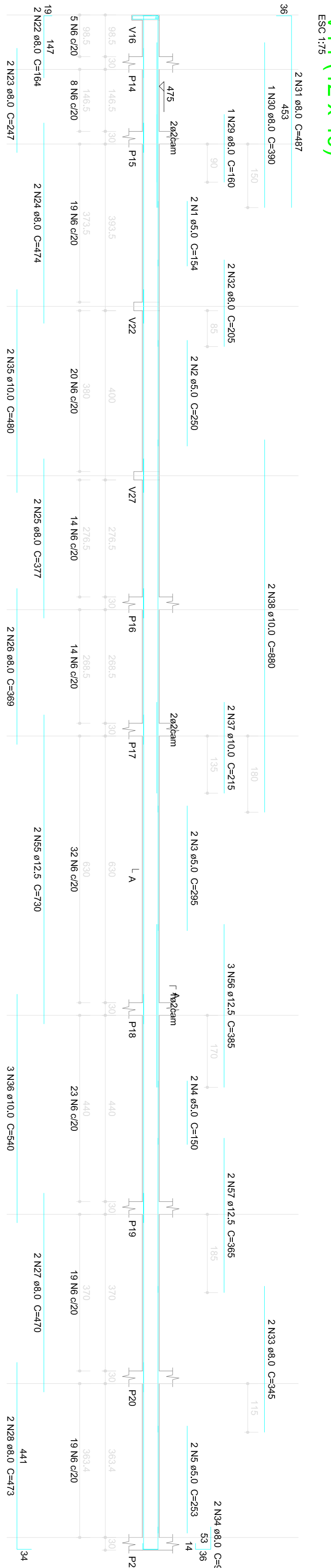
ASSINAR: ANEXO DAS VIGAS DO FERRO

DATA: MAIO/ 2017

PÁG: 20 /24

RUA PROFESSORA ANA MARIA S/N - VICOSA, CE

V14 (12 x 40)



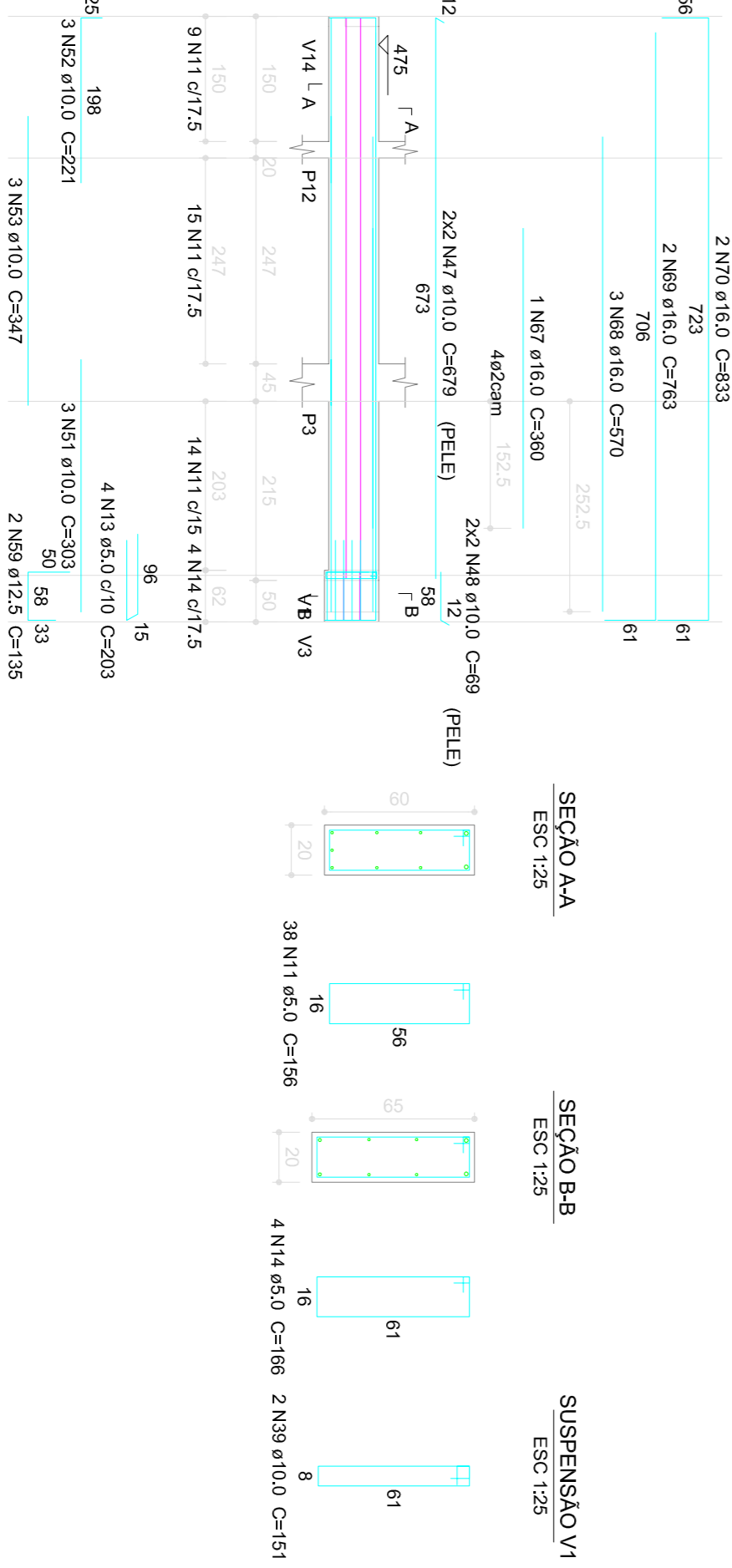
Relação do aço

ACO	N	DIAM (mm)	QUANT	C/UNIT (cm³)	C/TOTAL (cm³)	
CA50	1	8,0	2	14	109	
	2	5,0	2	250	500	
	3	5,0	2	295	590	
	4	5,0	2	150	300	
	5	5,0	2	253	506	
	6	5,0	173	180	1730	
	7	5,0	2	108	216	
	8	5,0	2	108	216	
	9	5,0	33	2	158	4650
	10	5,0	33	2	158	4650
	11	5,0	15	2	158	4650
	12	5,0	8	58	232	17340
	13	5,0	8	58	232	17340
	14	5,0	8	189	1328	1328
	15	5,0	8	189	1328	1328
	16	5,0	8	84	420	420
	17	5,0	40	80	3200	3200
	18	6,0	6	533	3198	3198
	19	6,0	6	189	1008	1008
	20	6,0	6	68	1632	1632
21	6,0	24	2	164	328	
22	22	8,0	2	164	328	
23	23	8,0	2	164	328	
24	24	8,0	2	164	328	
25	24	8,0	2	164	328	
26	28	8,0	2	473	946	
27	27	8,0	2	473	946	
28	28	8,0	2	473	946	
29	28	8,0	2	473	946	
30	30	8,0	1	160	160	
31	30	8,0	1	160	160	
32	32	8,0	2	320	320	
33	33	8,0	2	345	690	
34	34	8,0	2	345	690	
35	35	10,0	2	99	198	
36	35	10,0	3	480	960	
37	35	10,0	2	480	960	
38	35	10,0	2	480	960	
39	38	10,0	2	250	500	
40	40	10,0	5	151	755	
41	40	10,0	2	388	776	
42	42	10,0	2	311	622	
43	42	10,0	2	280	560	
44	43	10,0	2	233	466	
45	45	10,0	3	288	864	
46	46	10,0	3	153	459	
47	47	10,0	8	679	5432	
48	48	10,0	8	69	552	
49	48	10,0	1	185	185	
50	48	10,0	6	389	1854	
51	51	10,0	1	100	100	
52	52	10,0	3	221	663	
53	53	10,0	3	347	1041	
54	54	10,0	6	351	2106	
55	55	12,5	2	730	1460	
56	55	12,5	2	730	1460	
57	57	12,5	2	385	770	
58	58	12,5	2	517	1034	
59	59	12,5	4	135	540	
60	60	12,5	2	345	690	
61	61	12,5	4	690	2760	
62	61	12,5	2	415	830	
63	63	16,0	2	415	830	
64	64	16,0	2	655	1310	
65	65	16,0	2	772	1544	
66	66	16,0	4	129	516	
67	67	16,0	1	380	380	
68	68	16,0	2	740	1480	
69	68	16,0	2	740	1480	
70	70	16,0	2	833	1666	

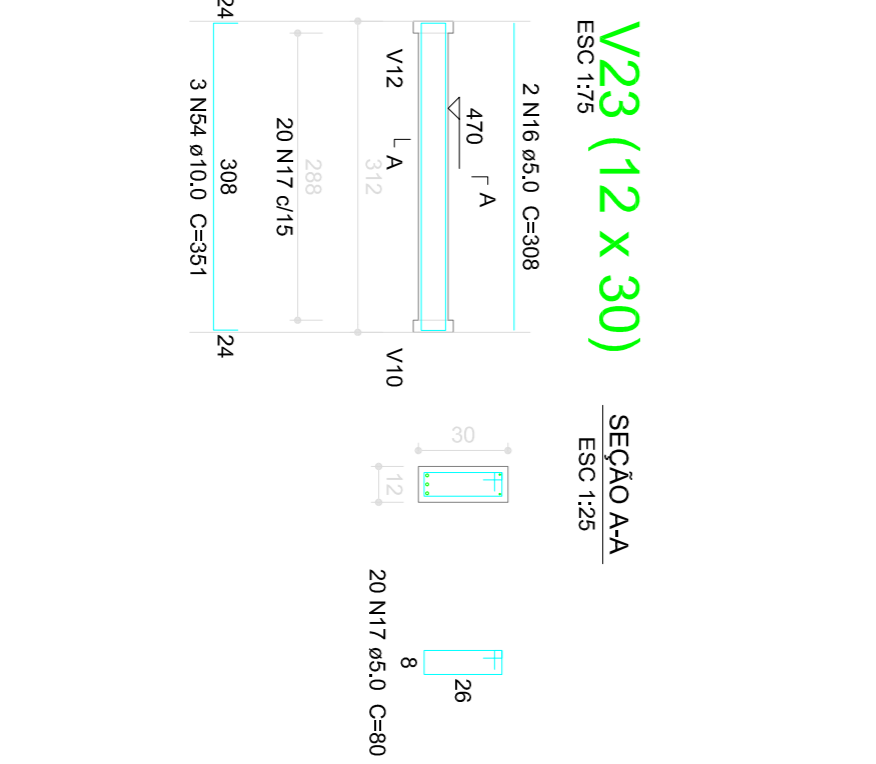
Resumo do aço

ACO	DIAM (mm)	C.TOTAL (m)	QUANT +5%	PESO +5%
CA50	8,0	79,7	7	33
CA50	10,5	256,4	23	165,9
CA50	12,5	104,6	10	105,7
CA60	16,0	34,7	9	138,8
CA60	6,0	57,6	-	16,7
PESO TOTAL	(kg)			
CA50	461,5			
CA60	100,1			
Volume de concreto (C-30) = 5,26 m³				
Área de forma = 81,11 m²				

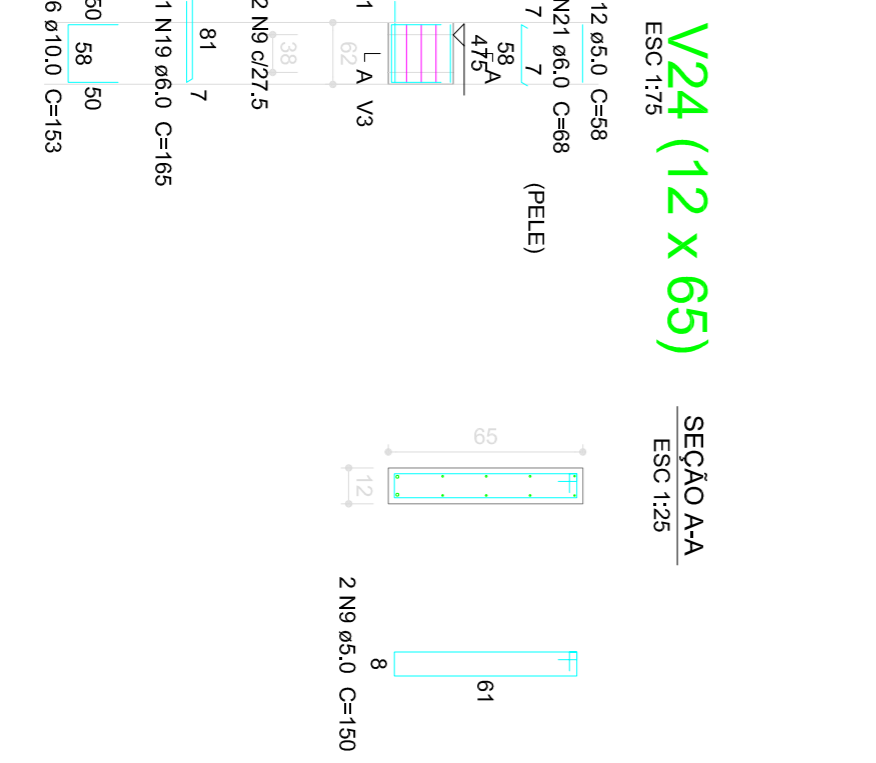
V22 (var)



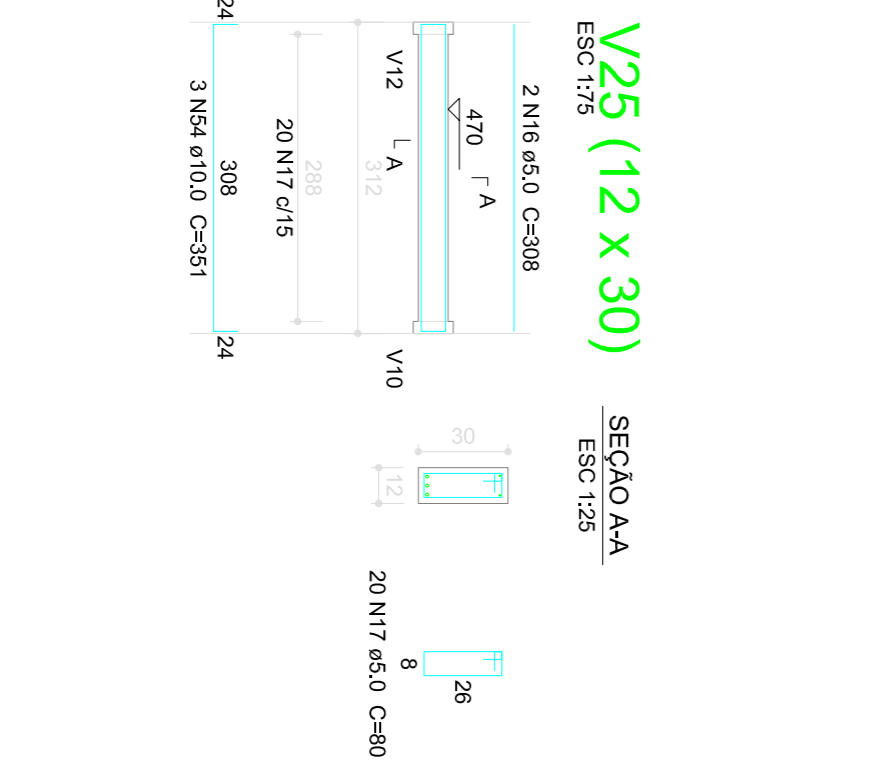
V23 (12 x 30)



V24 (12 x 65)




V25 (12 x 30)



Revisões da prancha

Nº	Comentário	Autor	Data
X	XXXXX	XXXXXX	XXXXXX
X	XXXXX	XXXXXX	XXXXXX
X	XXXXX	XXXXXX	XXXXXX
X	XXXXX	XXXXXX	XXXXXX

Nota:
Deve-se ser conferidos os cotos no obra.
Deve-se providenciar as cotas sobre os desenhos.

PROJETO ESTRUTURAL		FELIPE CAVALCANTE GOMES LETTE - CREA 13.292 D CE	
RBS TECNICO			
 VICOSOSA ENGENHARIA RUA PROFESSORA ANA MARIA S/N - VICOSA, CE			
TITULO		VÍCOSA PREV	
PROJETO ESTRUTURAL			
PROJETO DE VIGAS DO PISO 1			
PROJETO DE VIGAS DO PISO 1			
PROJETO DE VIGAS DO PISO 1			
FEVEREIRO/2017			
P. 11 / 24			

ACO	N	DIAM	QUANT	CUMT	C.TOTAL
C600	1	5,0	2	150	300
	2	5,0	43	86	86
	3	5,0	150	5550	5550
	4	5,0	158	318	318
	5	5,0	132	158	2092
	6	5,0	12	203	2436
	7	5,0	12	186	2158
	8	5,0	13	4	51
	9	5,0	4	51	204
	10	5,0	10	60	600
	11	6,0	16	533	3198
	12	6,0	6	188	1008
	13	6,0	38	68	2448
	14	6,0	4	75	300
	15	8,0	2	319	758
	16	8,0	2	388	776
	17	10,0	2	380	770
	18	10,0	2	253	506
	20	10,0	2	253	506
	21	10,0	4	540	2160
	22	10,0	3	343	1029
	23	10,0	3	288	864
	24	10,0	3	445	1335
	25	10,0	12	4	530
	26	10,0	4	630	2120
	27	10,0	12	69	828
	28	10,0	3	348	1047
	29	10,0	9	303	2727
	30	10,0	6	339	2028
	31	10,0	6	58	232
	32	12,5	6	135	810
	33	12,5	6	135	810
	34	16,0	4	628	2512
	35	16,0	4	628	2512
	36	16,0	2	445	2028
	37	16,0	1	485	485
	38	16,0	2	453	906
	39	16,0	2	453	906
	40	16,0	1	575	575
	41	16,0	9	693	6147
	42	16,0	1	310	310
	43	16,0	1	310	310
	44	16,0	2	599	1198

V16 (12 x 65)



V17 (12 x 65)



V18 (20 x 60)



V19 (12 x 65)



V20 (var)



V21 (12 x 65)



V22 (12 x 65)



V23 (var)



V24 (12 x 20)



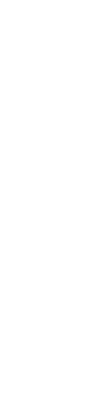
V25 (12 x 65)



V26 (12 x 20)



V27 (12 x 65)



V28 (var)



V29 (12 x 65)



SEÇÃO A-A
ESC 1:25

SEÇÃO A-A
ESC 1:25

SEÇÃO A-A
ESC 1:25

SUSPENSÃO VI
ESC 1:25

SUSPENSÃO VI
ESC 1:25

SUSPENSÃO VI
ESC 1:25

Revisões da prancha

Nº	Comentário	Alter	Data
X	XXXXX	XXXXXX	XXXXXX
X	XXXXX	XXXXXX	XXXXXX
X	XXXXX	XXXXXX	XXXXXX
X	XXXXX	XXXXXX	XXXXXX

Nota:
Deve ser contidos os cotos no otop.
Deve ser providenciada as cotas sobre os desenhos.

PROJETO ESTRUTURAL
R88 - ITCOMBO

FELIPE CAVALCANTE CORREIA LETTE - CREA 13.292 - D - CE

PREFERÊNCIA MUNICIPAL DE
VICOSA DO CEARÁ

CONSTRUÇÃO DO VICOSA PREV

TIPO: PROJETO ESTRUTURAL

PROJETAÇÃO: MAIO/2017

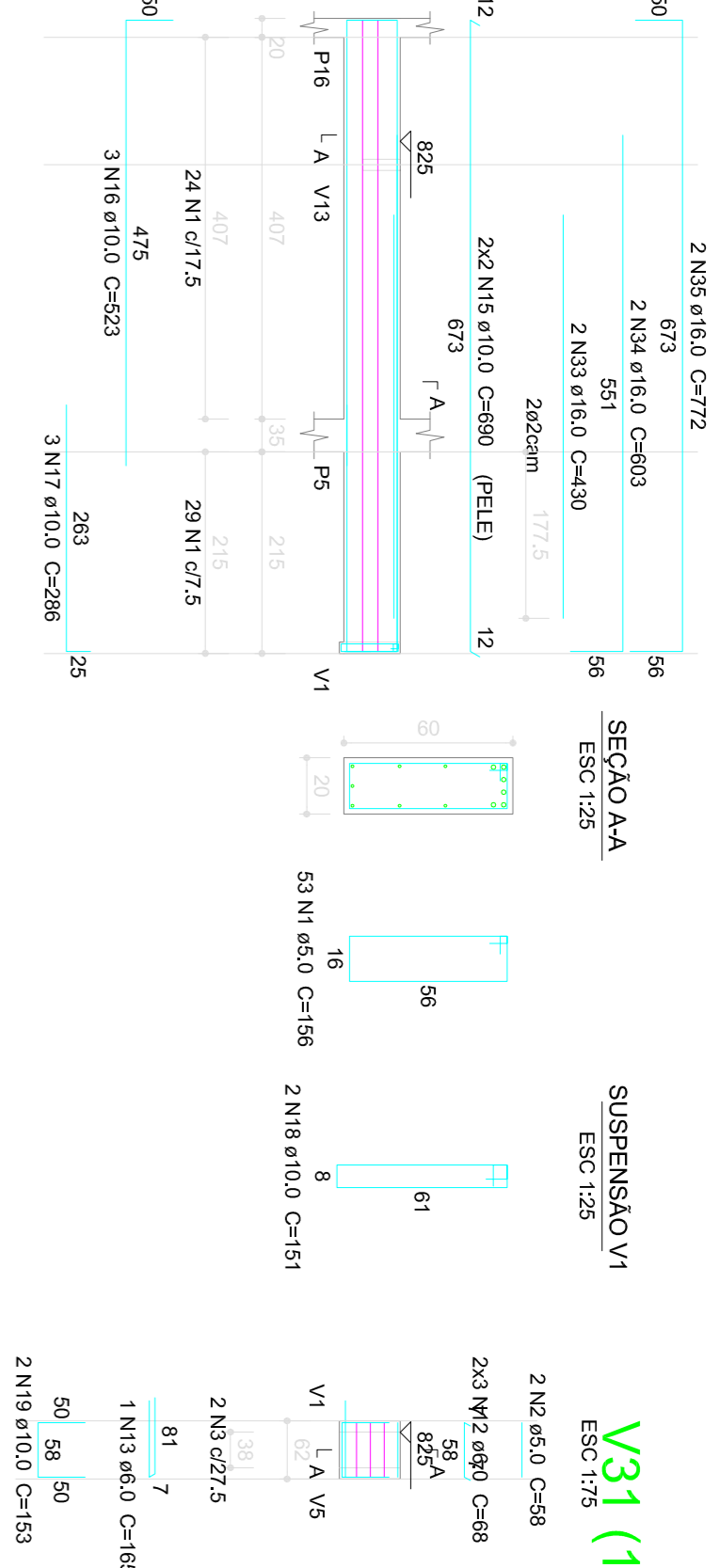
REVISÃO: P. 17 / 24

Resumo do aço

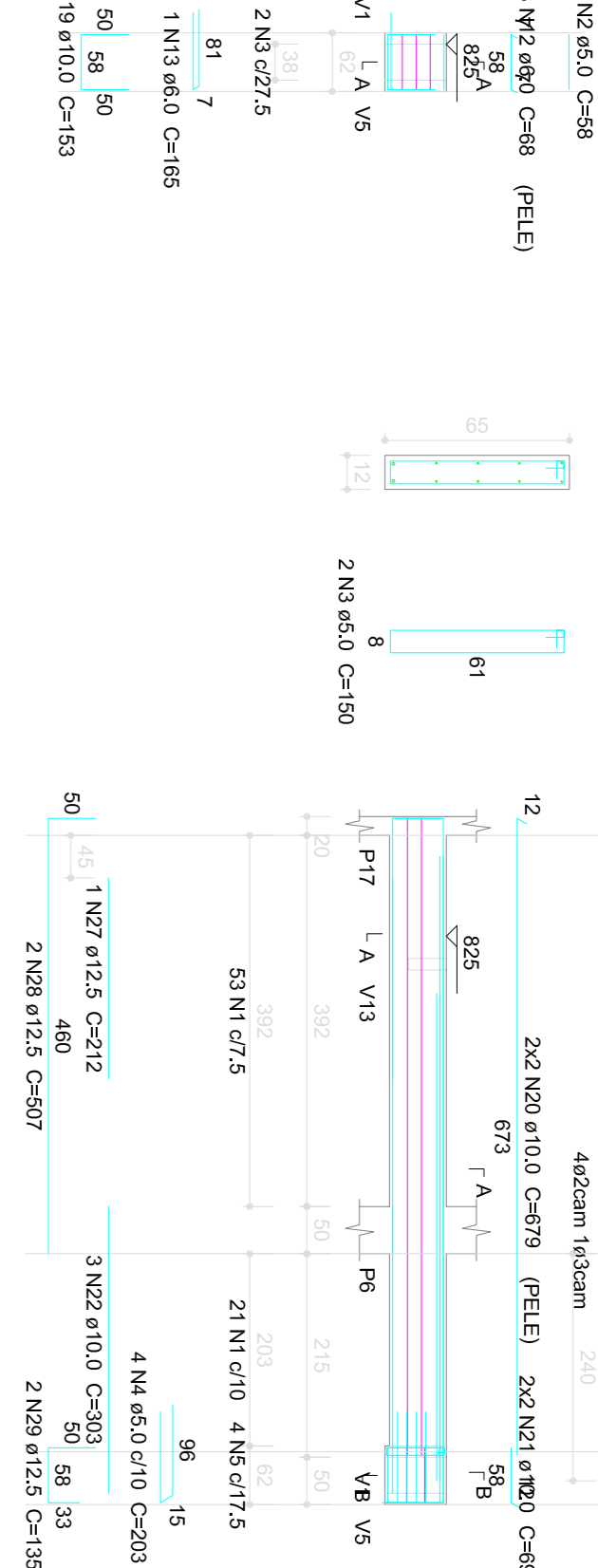
ACO	DIAM	C.TOTAL	QUANT + 5%	PESO + 5%
C650	8,0	10,6	(89)	4,4
	10,0	224,8	20	145,5
	12,5	8,1	1	8,2
	16,0	156,5	14	262,6
	5,0	327,1	-	52,9
	5,0	63,1	-	19,4
PESO TOTAL				
C650	420,7			
C660	72,3			

Volume de concreto (C=30) = 3,58 m³
Área de forma = 47,45 m²

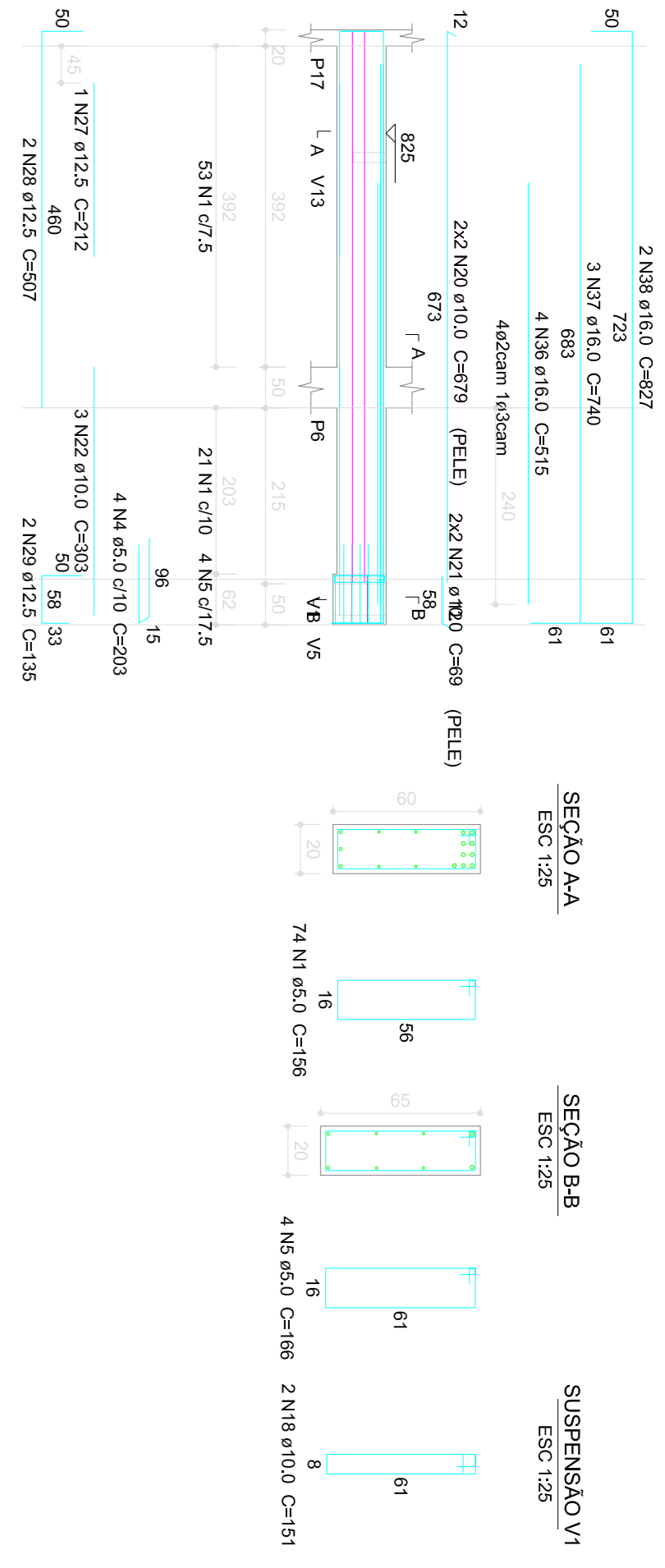
V30 (20 x 60)



V31 (12 x 65)



V32 (var)



Relação do aço

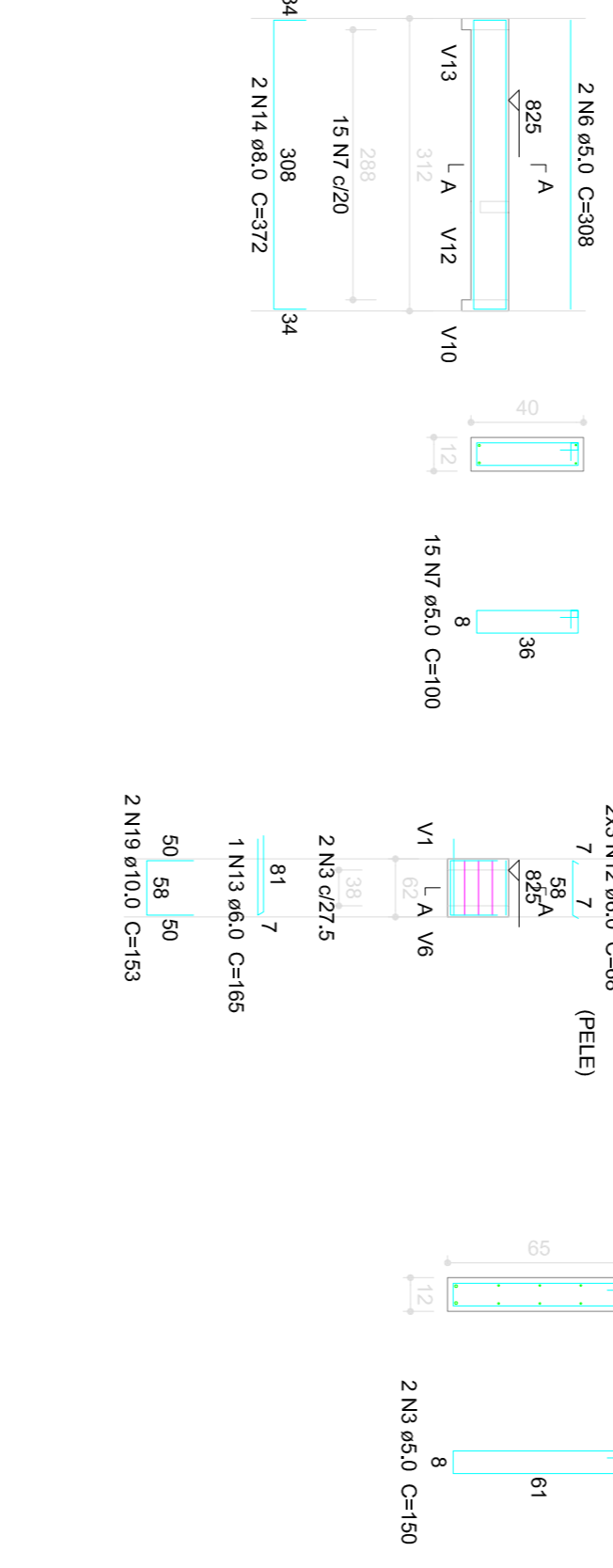
ACO	N	DIA	QUANT	CUMT	C/TOTAL
(mm)		(mm)	(mm)	(mm)	(mm)
C60	1	5,0	192	960	212
	2	5,0	14	70	152
	3	5,0	14	70	152
	4	5,0	8	40	92
	5	5,0	8	40	92
	6	5,0	4	20	46
	7	5,0	4	20	46
	8	5,0	4	20	46
	9	5,0	8	40	92
	10	5,0	8	40	92
	11	5,0	6	30	68
	12	5,0	4	20	46
	13	5,0	4	20	46
	14	8,0	2	16	36
	15	10,0	4	40	92
	16	10,0	3	30	68
	17	10,0	3	30	68
	18	10,0	8	80	182
	19	10,0	8	80	182
	20	10,0	1	10	22
	21	10,0	8	80	182
	22	12,5	10	125	282
	23	10,0	4	40	92
	24	10,0	4	40	92
	25	10,0	8	80	182
	26	10,0	8	80	182
	27	12,5	1	12,5	28
	28	12,5	1	12,5	28
	29	12,5	4	50	112
	30	12,5	4	50	112
	31	12,5	1	12,5	28
	32	12,5	1	12,5	28
	33	16,0	2	32	72
	34	16,0	2	32	72
	35	16,0	2	32	72
	36	16,0	4	64	144
	37	16,0	4	64	144
	38	16,0	2	32	72
	39	16,0	2	32	72
	40	16,0	1	16	36
	41	16,0	1	16	36
	42	16,0	3	48	108
	43	16,0	1	16	36
	44	16,0	4	64	144
	45	16,0	4	64	144
TOTAL				2732	683,1

Resumo do aço

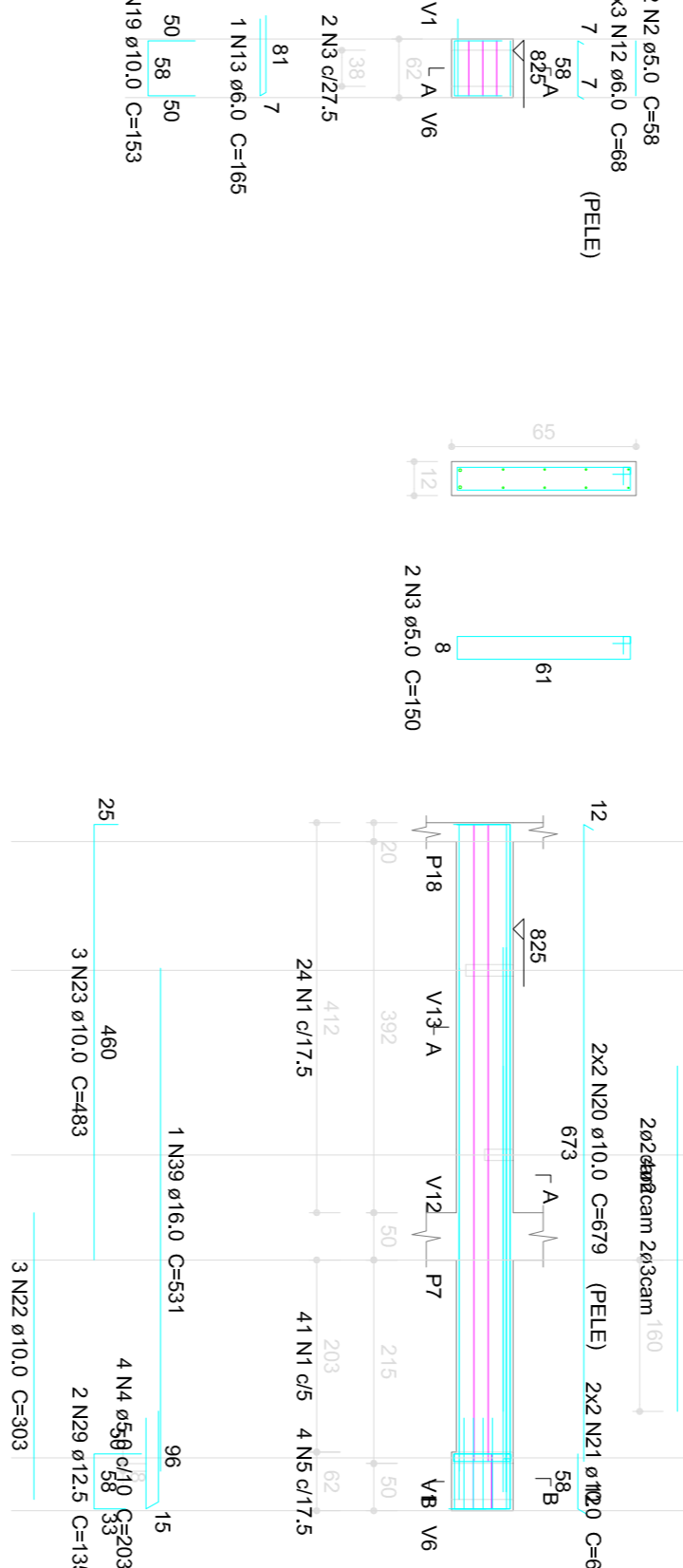
ACO	DIA	C/TOTAL	QUANT +5%	PESO +5%
(mm)	(mm)	(Barras)	(Barras)	(kg)
C60	8,0	7,5	1	3,1
	10,0	225,8	20	146,1
	12,5	51,1	5	51,7
C60	16,0	279	25	462,3
	16,0	570,2	60	993,9
PESO TOTAL				93,3
C60	883,1			
C60	100			

Volume de concreto (C-20) = 4,59 m³
 Área de forma = 50,3 m²

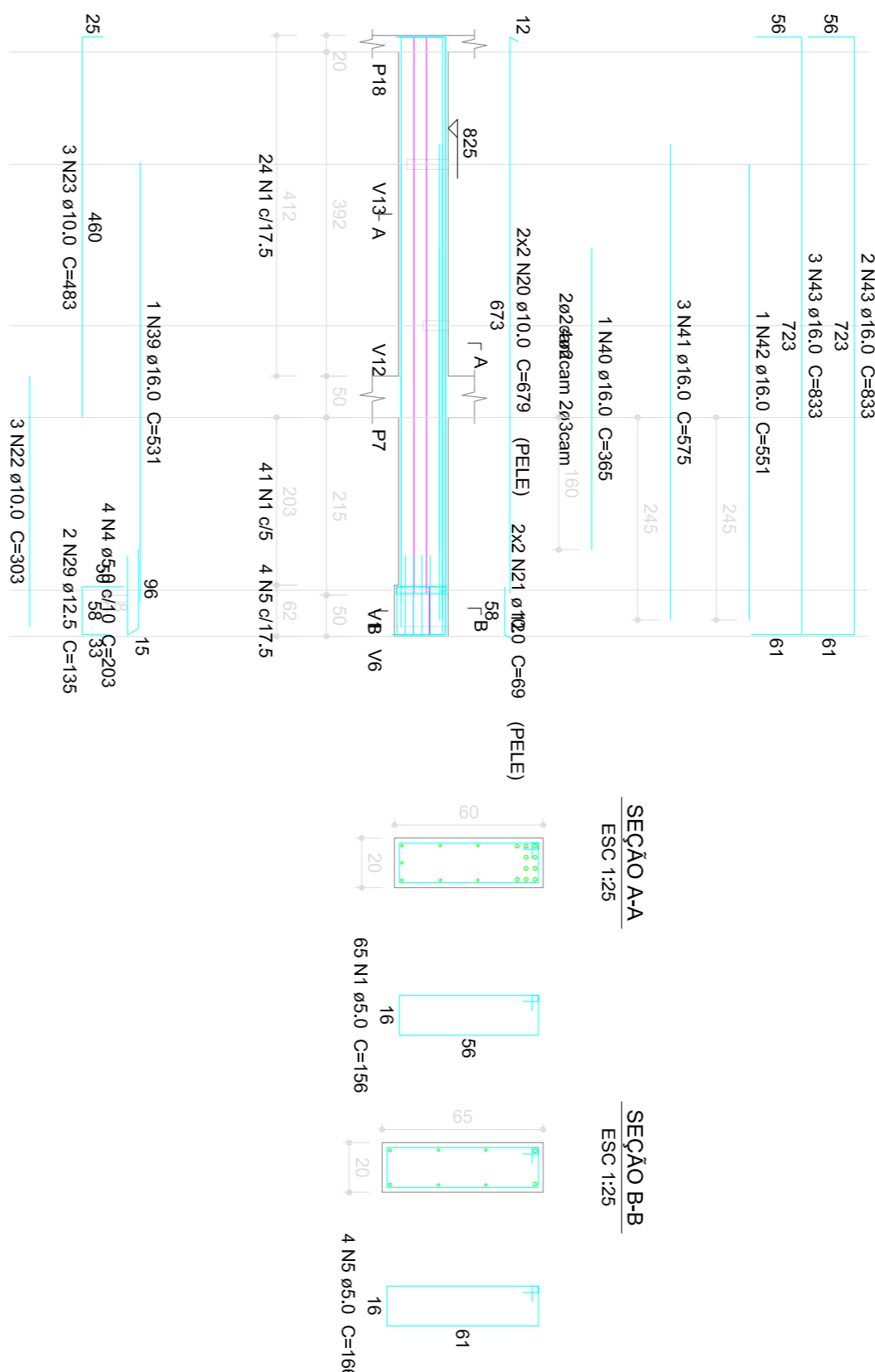
V34 (12 x 40)



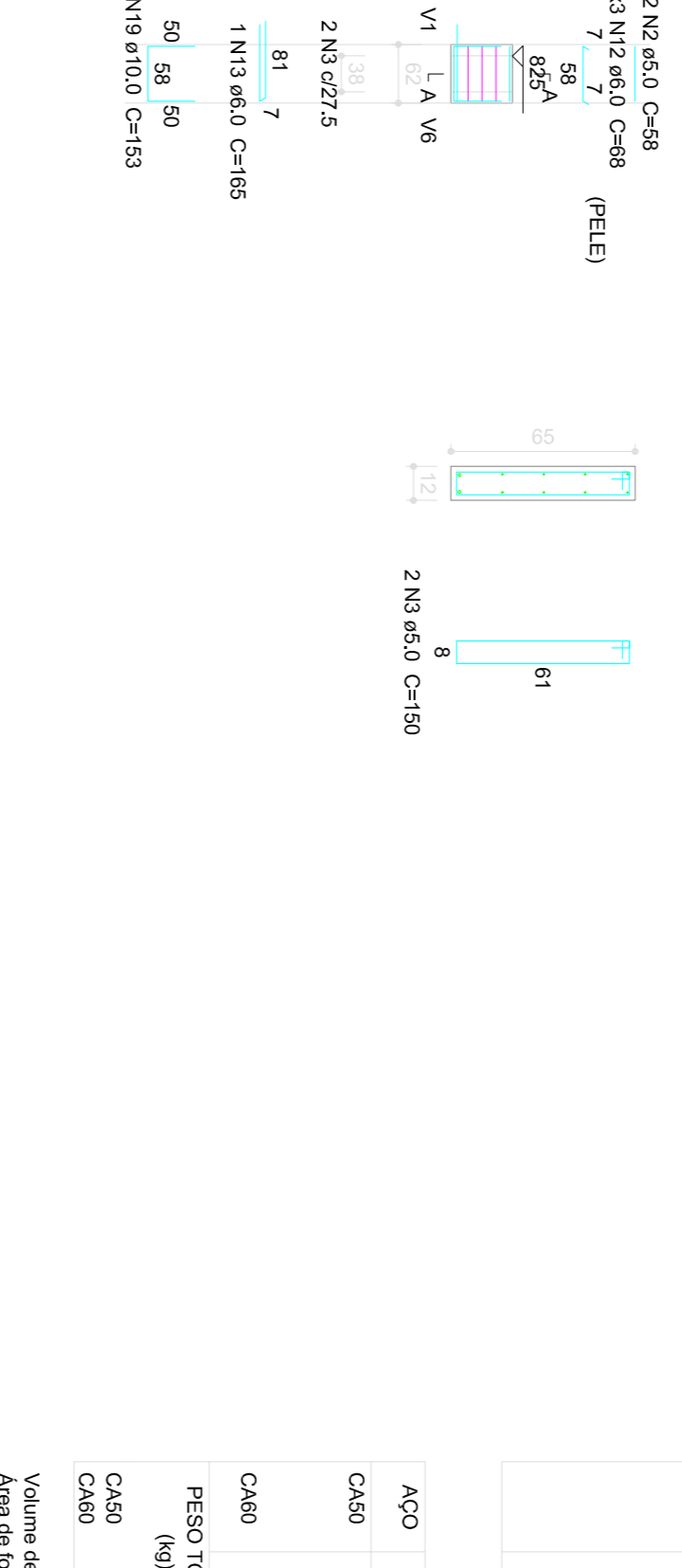
V35 (12 x 65)



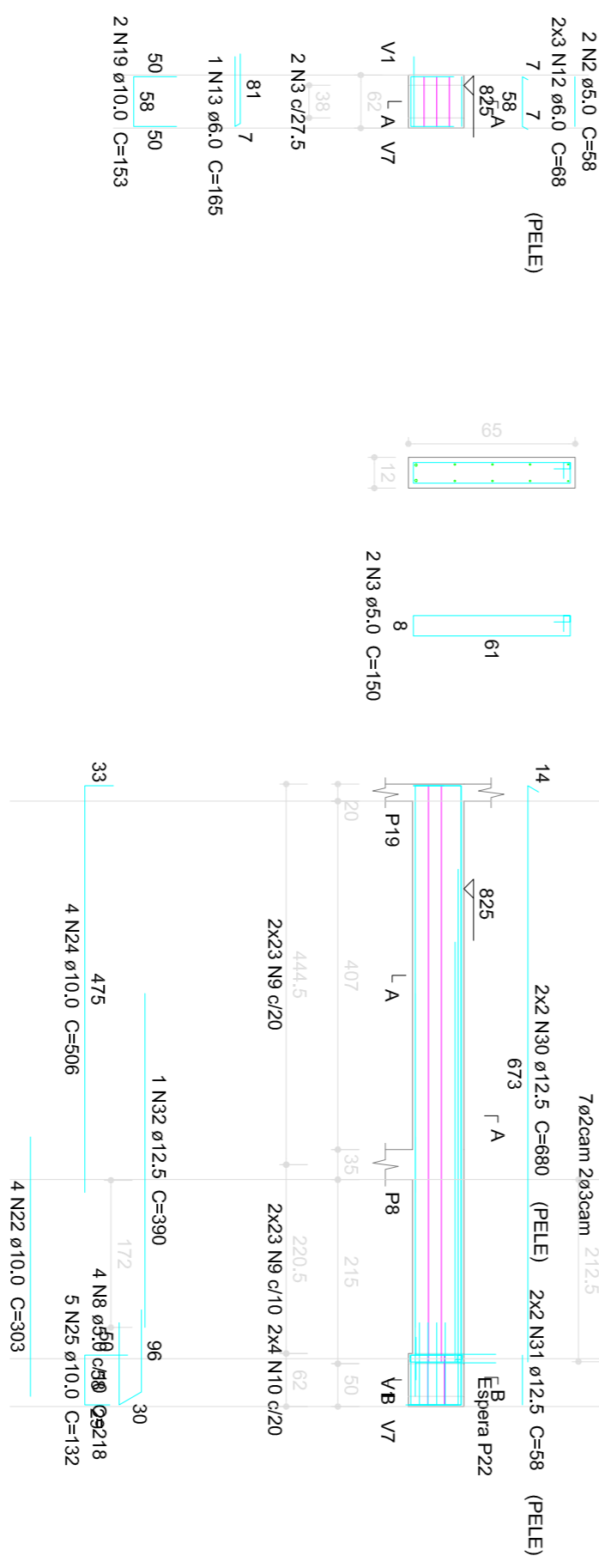
V36 (var)



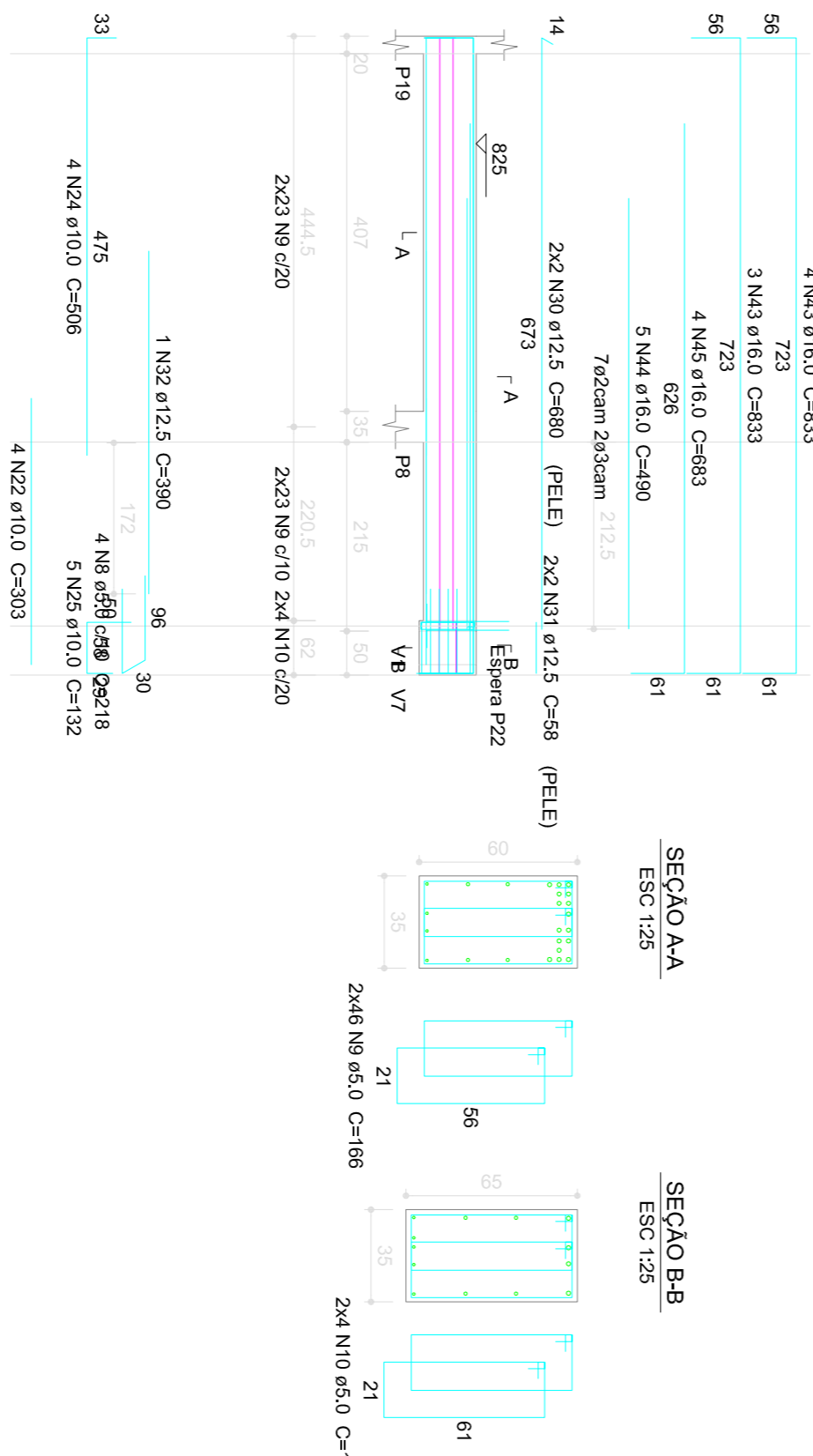
V37 (12 x 65)



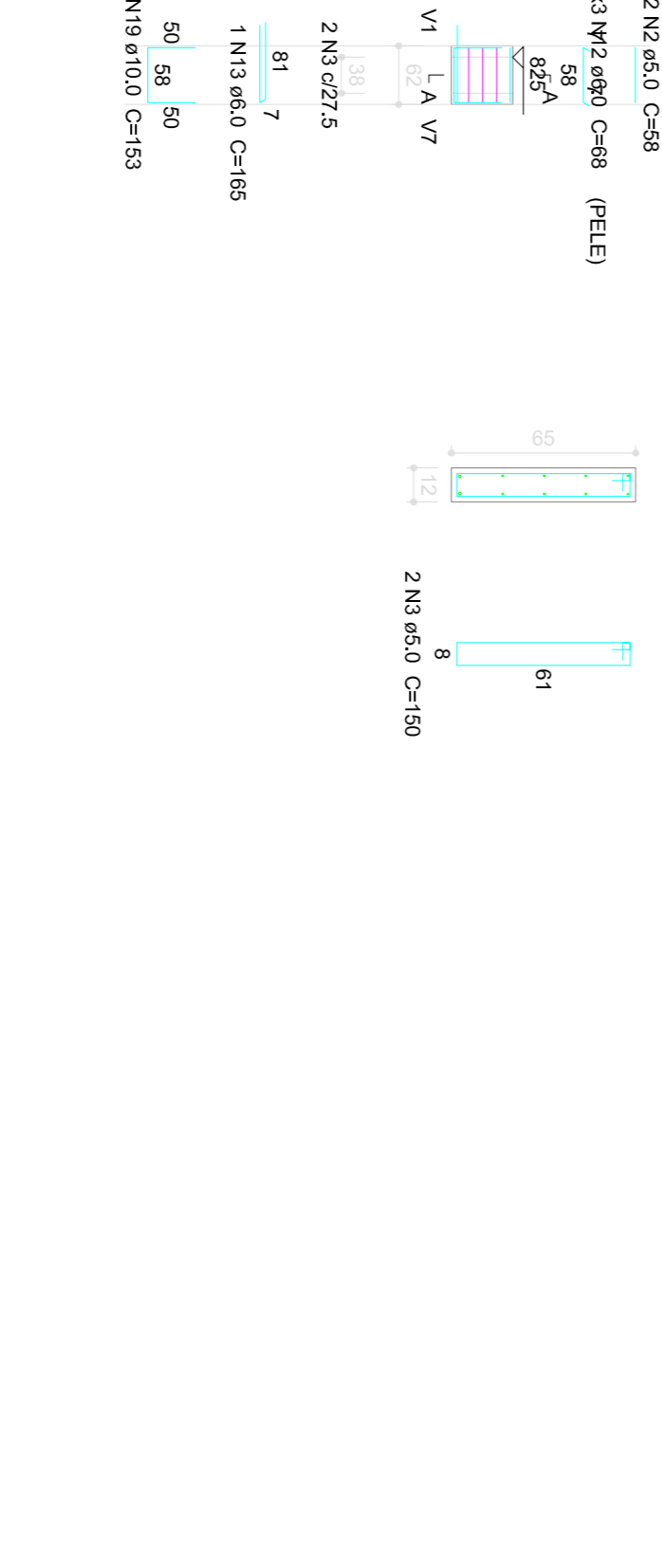
V38 (12 x 65)



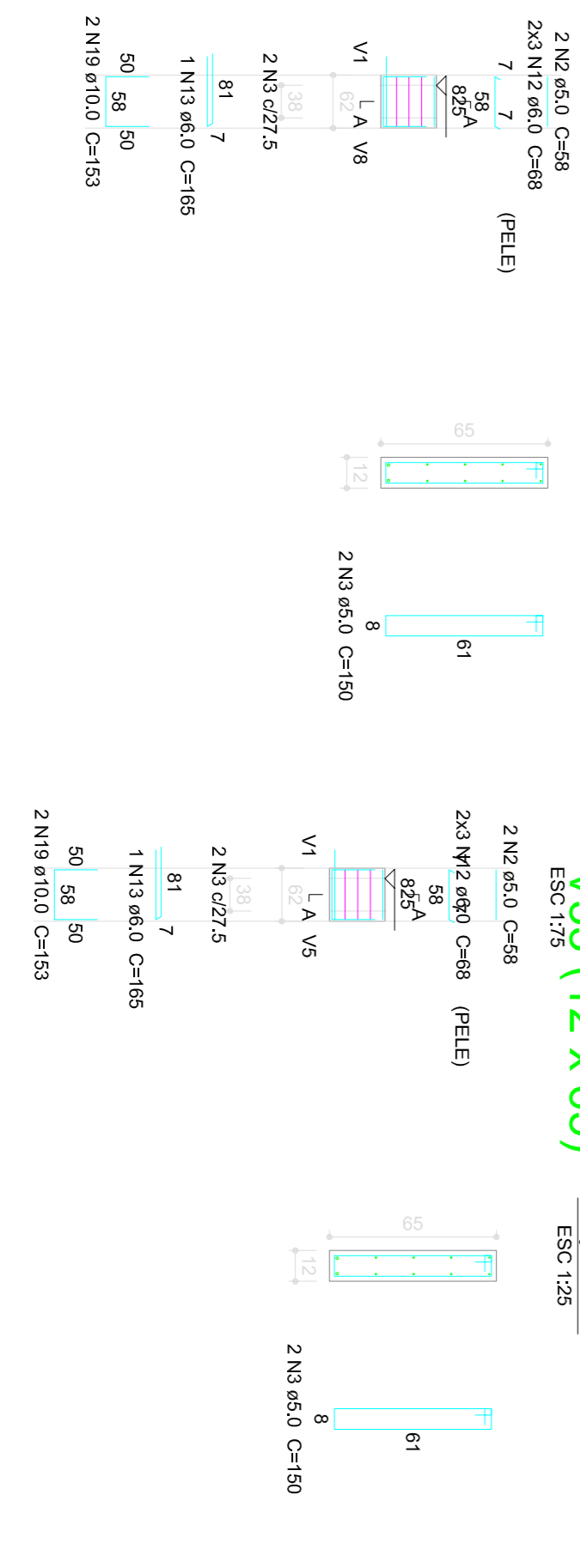
V39 (var)



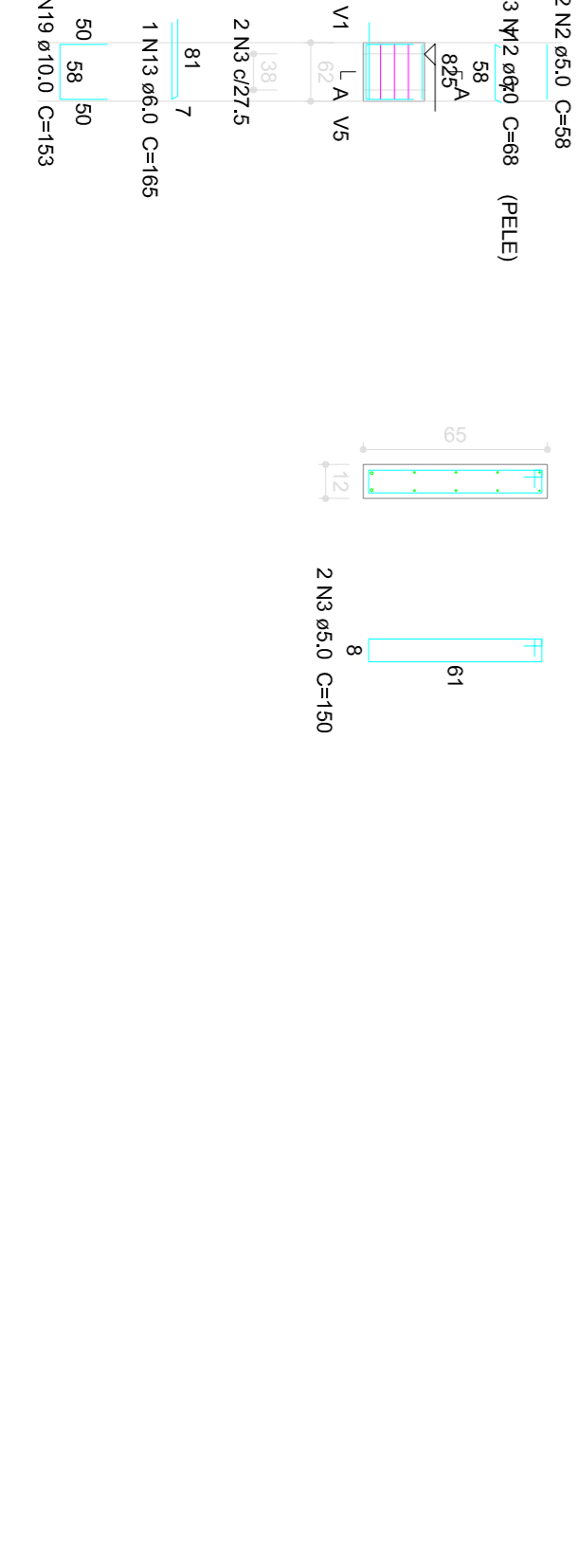
V40 (12 x 65)



V41 (12 x 65)



V33 (12 x 65)



Revisões da prancha

Nº	Comentário	Autor	Data
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX
↔	↔	↔	↔

Nota:
 Deve-se ser conferidos os cotos no obra.
 Deve-se providenciar as cotas sobre os desenhos.

PROJETO ESTRUTURAL		FELIPE CAVALCANTE CORREIA LEITE - CREIA 13.292 - D CE	
RBR - ITCOMBO		VICOSA PREV	
VICOSA PREV		VICOSA PREV	
PROPRIETÁRIO:	ASSINTEC	DATA:	MAIO/ 2017
ARM. DAS VIGAS DO PISO 2	ARM. DAS VIGAS DO PISO 2		Pr 18 /24
RUA PROFESSORA ANA MARIA, S/N - VICOSA, CE			

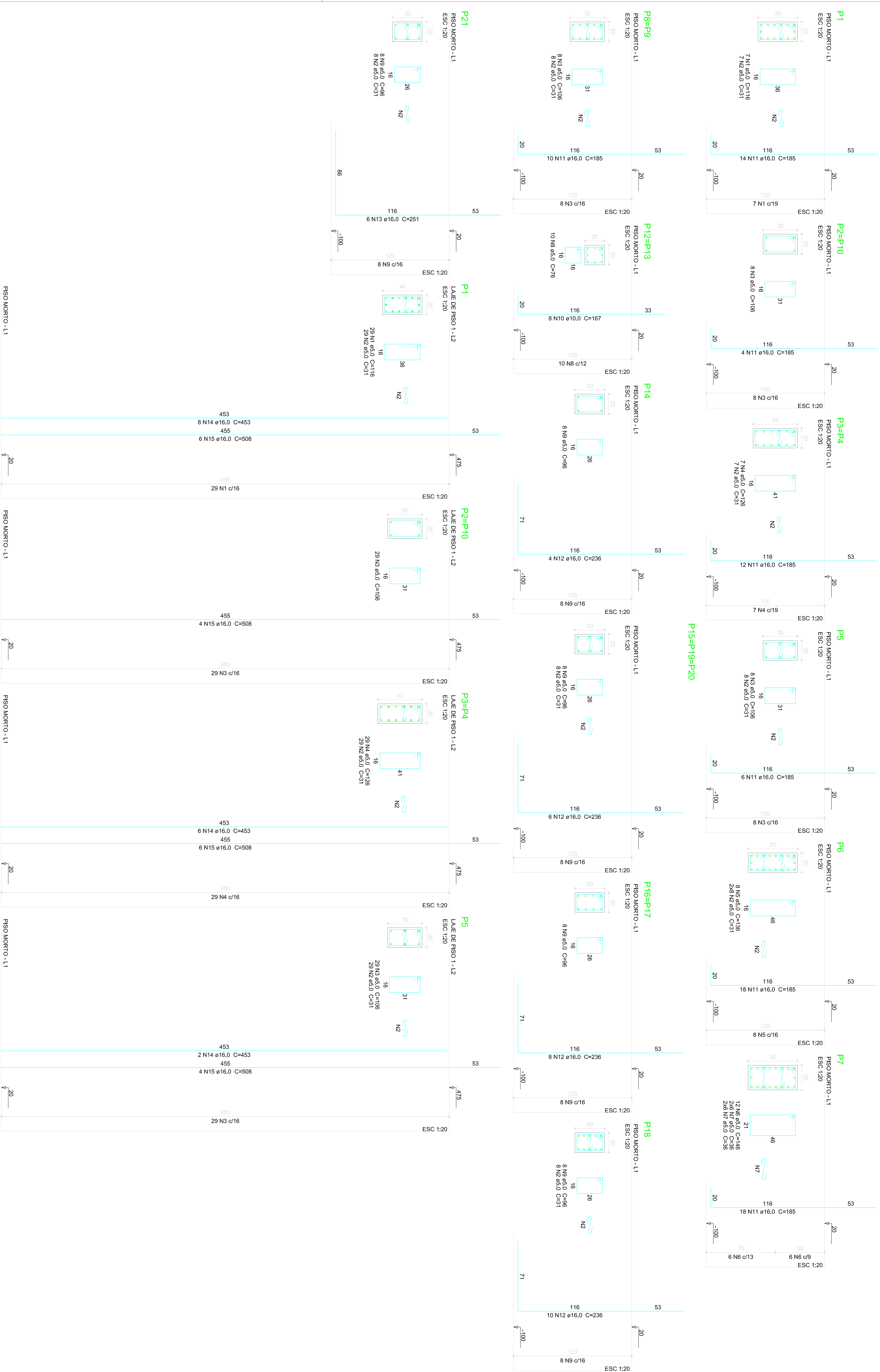
Relação do aço

LAJE DE PISO 1:	P1	2xP2
PISO MORTO:	P1	2xP2
	P2=P10	P5
	P3=P4	P7
	P4	2xP12
	2xP8	2xP15
	2xP16	2xP16
	P21	P18

ACO	N	DIAM (mm)	QUANT	CUMT (cm)	C/TOTAL (cm)
CA60	1	5,0	39	16	627,2
	2	5,0	217	106	6727
	3	5,0	127	106	13462
	4	5,0	72	126	9072
	5	5,0	8	136	1088
	6	5,0	12	148	1752
	7	5,0	24	36	864
	8	5,0	64	96	6144
	9	5,0	167	167	2672
CA50	10	10,0	16	167	19880
	11	18,0	108	185	11328
	12	18,0	48	238	11328
	13	18,0	6	231	1506
	14	18,0	2	43	1506
	15	18,0	30	508	15240

Resumo do aço

ACO	DIAM (mm)	C/TOTAL (m)	QUANT + 5%	PESO + 5%
CA60	10,0	26,8	3	17,3
CA60	18,0	580,2	51	961,5
CA60	5,0	448,1		72,5
PESO TOTAL (kg)				
CA50	978,8			
CA60	72,5			
Volume de concreto (C=20) = 3,81 m³				
Área de forma = 58,47 m²				



Revisões da prancha

Nº	Comentário	Autor	Data
X	XXXXX	XXXXXX	XXXXXX
X	XXXXX	XXXXXX	XXXXXX
X	XXXXX	XXXXXX	XXXXXX
X	XXXXX	XXXXXX	XXXXXX

Nota:
Deveio ser contidos os cotos no obra.
Deveio previdecer as cotas sobre os desenhos.

PROJETO ESTRUTURAL
R89-103000

FELIPE CAVALCANTE CORREIA LETTE - CREA 13292 D CE

PREFETURA MUNICIPAL DE VIÇOSA DO CEARÁ
CONSTRUÇÃO DO VIÇOSA PREV

PROJETISTA: FELIPE CAVALCANTE CORREIA LETTE
ASSISTENTE: ANDRÉ LUIS PILARES
RESERVO: ANDRÉ LUIS PILARES

DATA: MAIO/2017
PR: 03 /24

VIÇOSA PREV

Relação do aço

LAJE DE PISO 1:

P6

2xP9

P7

2xP12

P14

2xP16

P18

3xP19

2xP2

LAJE DE PISO 2:

P1

2xP2

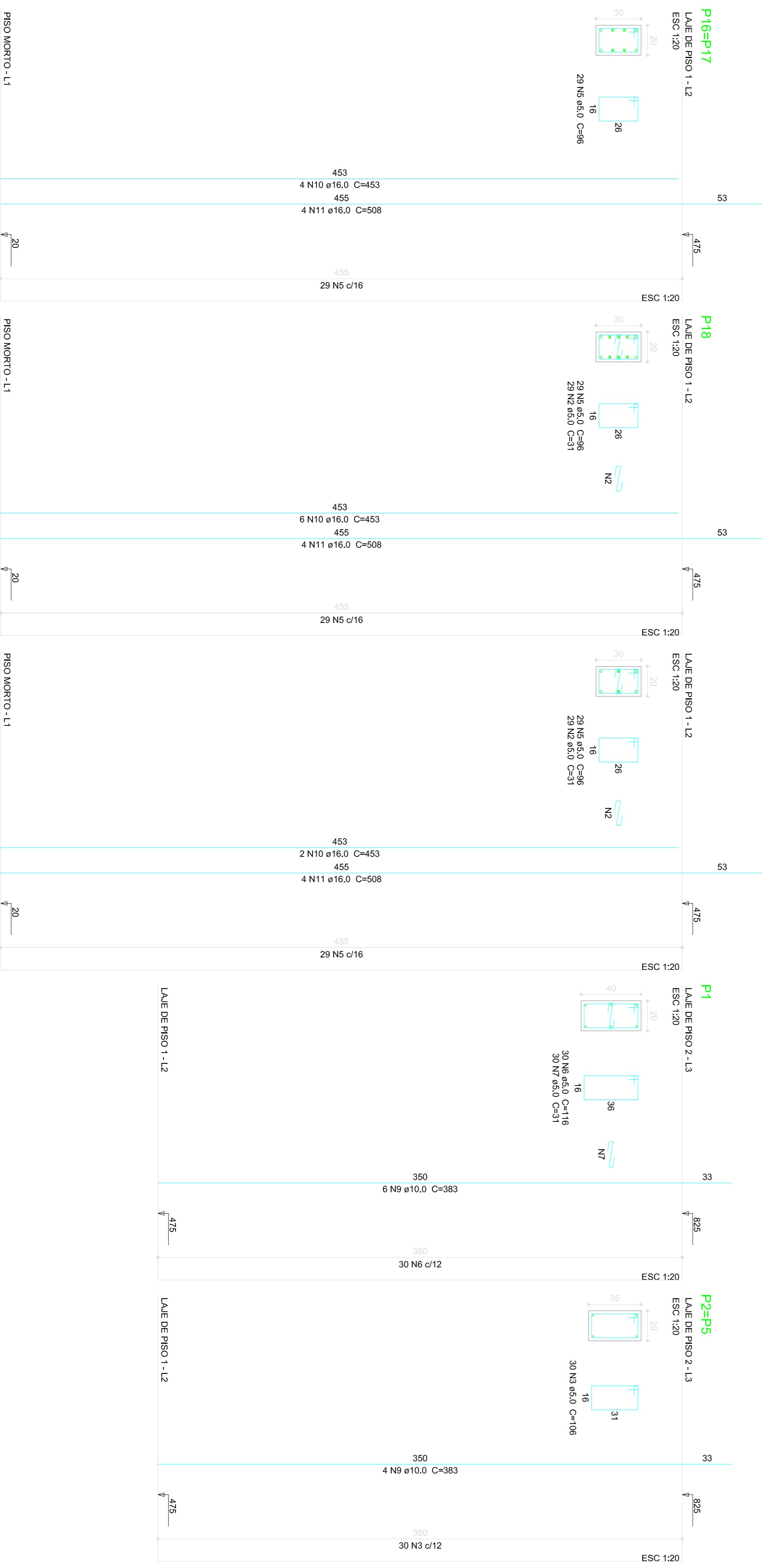
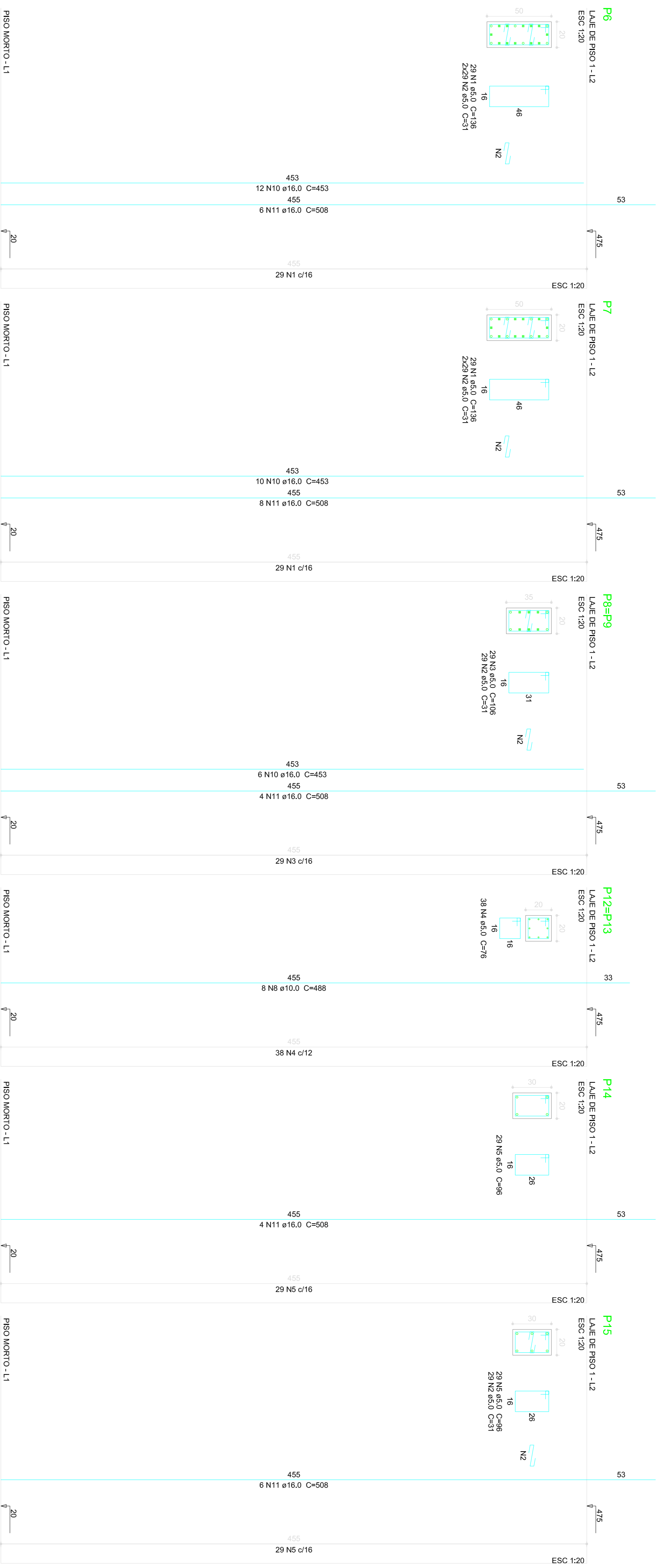
LAJE DE PISO 2:	P1	2xP2	
LAJE DE PISO 2:	P1	2xP2	
AÇO	N	DIAM	QUANT
		(mm)	
CABO	1	5,0	59
	2	5,0	319
	3	5,0	118
	4	5,0	276
	5	5,0	220
	6	5,0	30
	7	5,0	30
	8	10,0	14
	9	10,0	14
	10	16,0	54
	11	16,0	50
			453
			24462
			26449

Resumo do aço

AÇO	DIAM	C.TOTAL	QUANT + 5%	PESO + 5%
	(mm)	(m)	(gramas)	(kg)
CASO	10,0	0,317	12	85,3
CASO	16,0	529,1	47	876,9
CABO	5,0	627,5	-	101,5
PESO TOTAL	(kg)			
CASO	982,1			
CABO	101,5			

Volume de concreto (C=30) = 4,87 m³

Área de forma = 78,33 m²

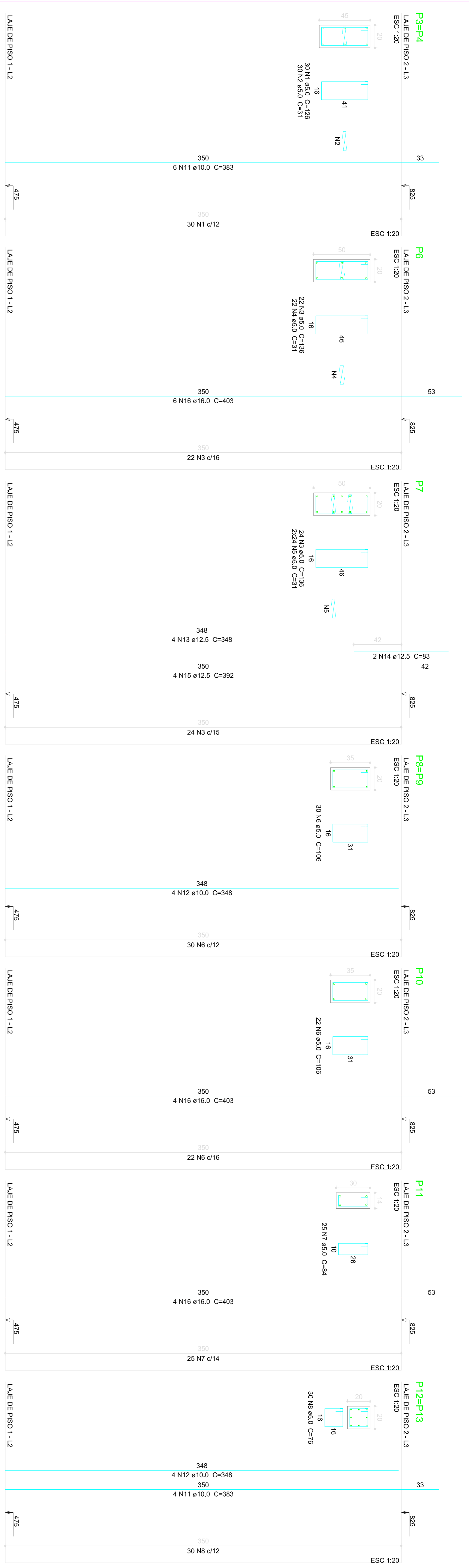


Revisões da prancha

Nº	Comentário	Autor	Data
X	XXXXXX	XXXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX

Nota:
Deverão ser contidas as cotas no obra.
Deverão previdecer as cotas sobre os desenhos.

PROJETO ESTRUTURAL	FELIPE CAVALCANTE GOMBA LETTE - CREA 13.292 D CE
RÉ: TIPOMO	
ALDER ENGENHARIA CIVIL RUA PROFESSORA ANA MARIA S/N - VÍCOSA, CE	
PROJETO ESTRUTURAL	VÍCOSA PREV
PROPRIETÁRIO:	DATA: MAIO/ 2017
PREFEITURA DE VÍCOSA DO CEARÁ	
VÍCOSA DO CEARÁ	
CONSTRUÇÃO DO VÍCOSA PREV	P- 04 /24



Relação do aço

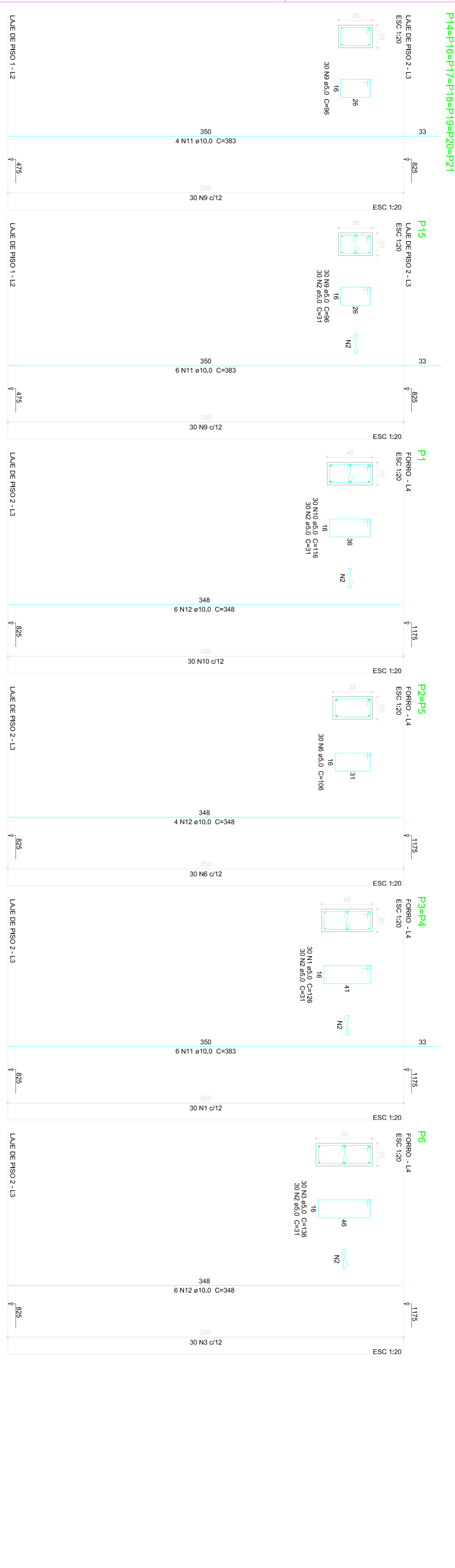
FORRO	P1	2ªP2
LAJE DE PISO 2:	2ªP3	P6
	P7	2ªP8
	P10	P11
	2ªP12	7ªP14
	P15	

ACO	N	DIAM (mm)	QUANT	CUMT (cm)	C.TOTAL (cm)
CA60	1	5,0	120	126	15120
	2	5,0	210	31	6510
	3	5,0	76	136	10320
	4	5,0	276	31	8616
	5	5,0	48	106	5088
	6	5,0	142	106	15052
	7	5,0	25	84	2100
	8	5,0	60	76	4560
	9	5,0	240	56	13440
	10	5,0	240	56	13440
CA50	11	10,0	66	383	25278
	12	10,0	38	348	12528
	13	12,5	4	348	1392
	14	12,5	2	83	166
	15	12,5	4	352	1568
	16	16,0	14	403	5642

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (mm)	QUANT + 5%	PESO + 5% (kg)
CA50	10,0	313	34	244,7
CA50	12,5	313	3	31,6
CA60	16,0	565	5	93,5
PESO TOTAL (kg)	5,0	823,7	-	133,3

CA50 366,9
CA60 133,3
Volume de concreto (C-30) = 5,92 m³
Área de forma = 53,03 m²



Revisões da prancha

Nº	Comentário	Autor	Data
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX

Nota:
Deverão ser contidas as cotas no obra.
Deverão previdecer as cotas sobre os desenhos.

PROJETO ESTRUTURAL
R87-10300

FELIPE CAVALCANTE CORREIA LETTE - CREIA 13.292-D CE

VIÇOSA PREV

PROPRIETÁRIO: VIÇOSA PREV
PROJETO ESTRUTURAL
PREFETURA MUNICIPAL DE VIÇOSA DO CEARA
ASIS/ARQ. DOS PILARES
RUA PROFESSORA ANA MARIA S/N - VIÇOSA, CE

DATA: MAIO/2017
Pr 05 /24

Relação do aço

BARRELETE: 2xP3
FORRO: P7
7xP14
2xP22

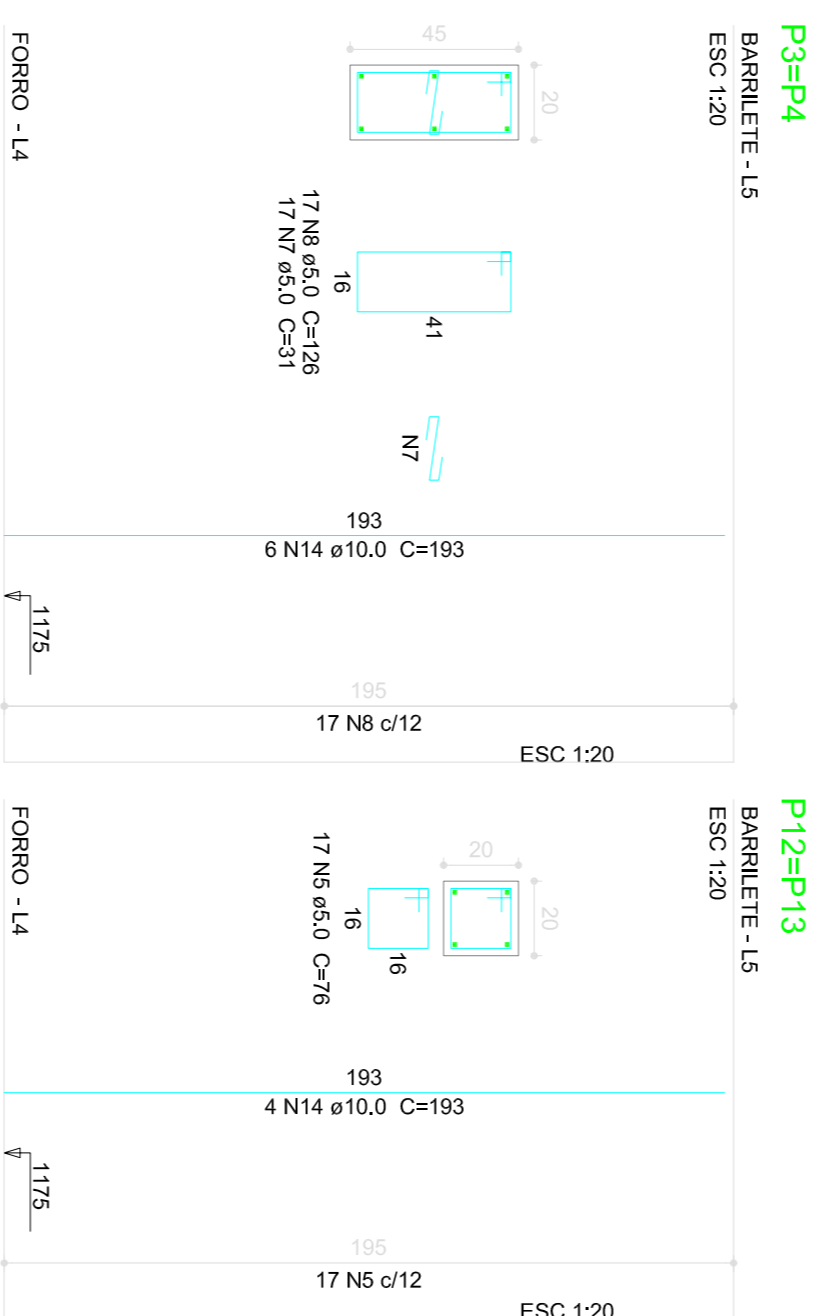
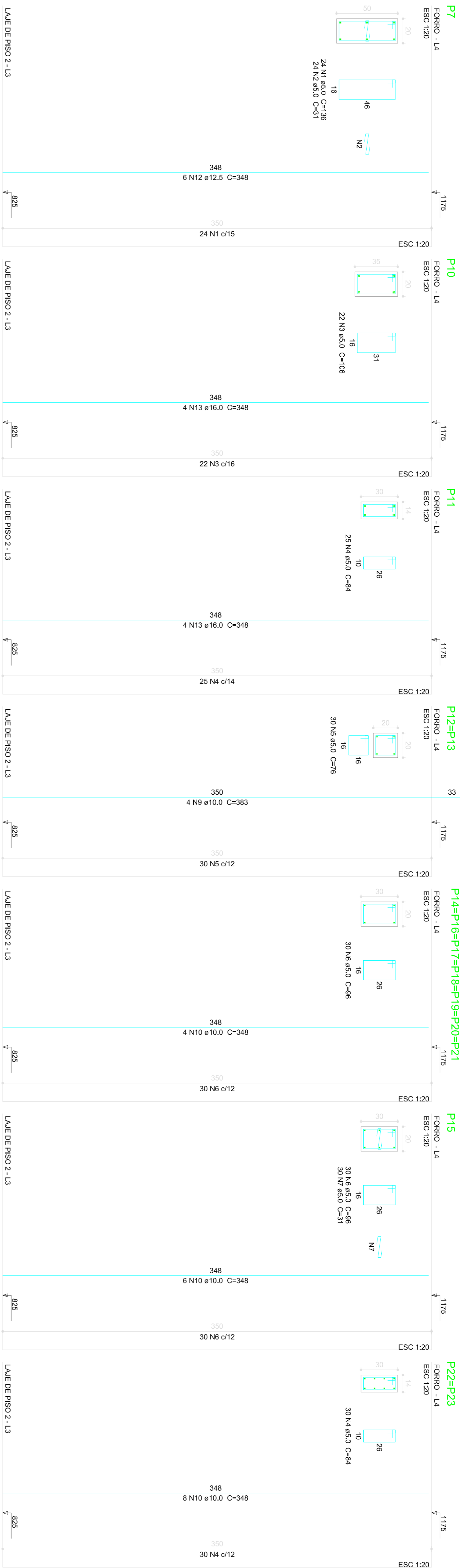
2xP12
P10
2xP12
P15

ACO	N	DIAM (mm)	QUANT	CUMT (cm)	C.TOTAL (kg)
CA60	1	5,0	24	136	3294
	2	5,0	24	31	744
	3	5,0	22	106	2332
	4	5,0	85	84	7140
	5	5,0	34	86	2940
	6	5,0	24	86	2340
	7	5,0	64	31	1994
	8	5,0	34	126	4284
	9	10,0	8	383	3064
	10	10,0	50	348	17400
	11	10,0	20	193	3860
	12	10,0	14	348	3432
	13	16,0	8	348	2784

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (kg)	QUANT (Barras)	PESO + 5% (kg)
CA60	10,0	243,3	22	157,5
CA60	12,5	201,9	2	21,1
CA60	16,0	271,9	3	46,1
PESO TOTAL (kg)	5,0	499,4	-	80,8
CA60	224,7	-	-	-
CA60	80,8	-	-	-

Volume de concreto (C-30) = 3,42 m³
Área do form = 58,82 m²



Revisões da prancha

Nº	Comentário	Autor	Data
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX

Nota:
Deveio ser contidos os cotos no obra.
Deveioa previdecer as cotas sobre os desenhos.

PROJETO ESTRUTURAL
R87-103000

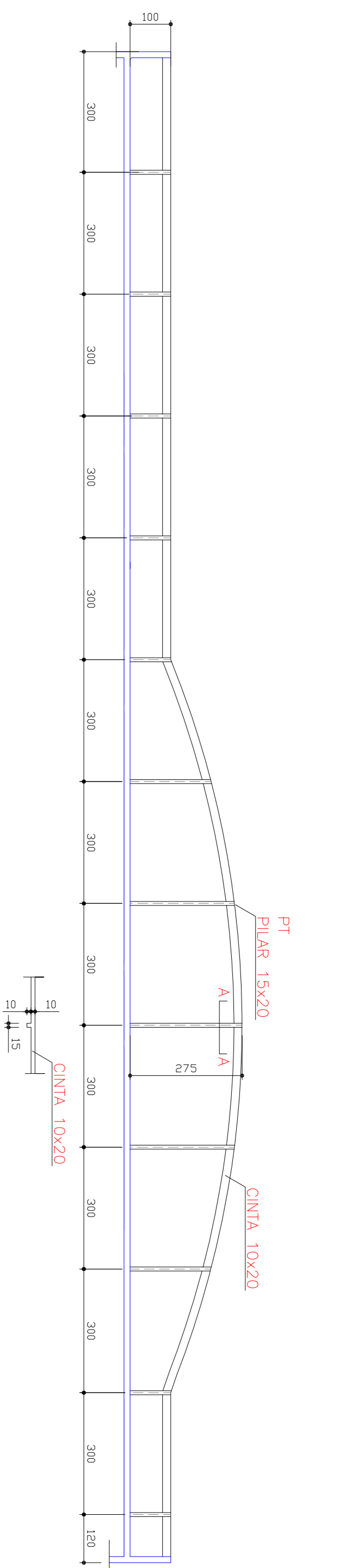
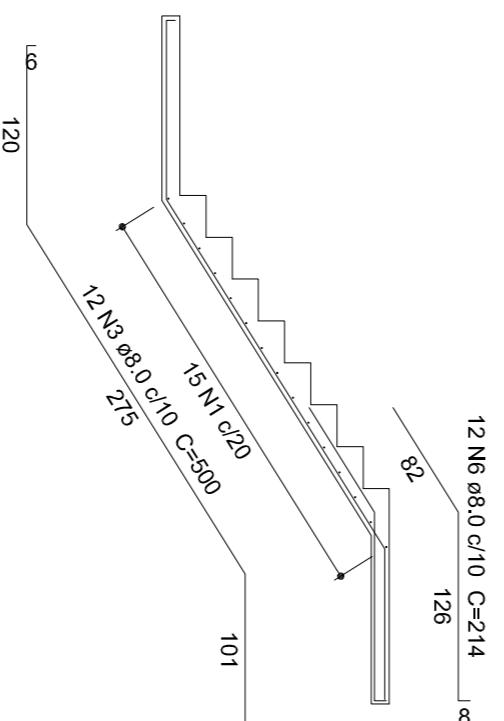
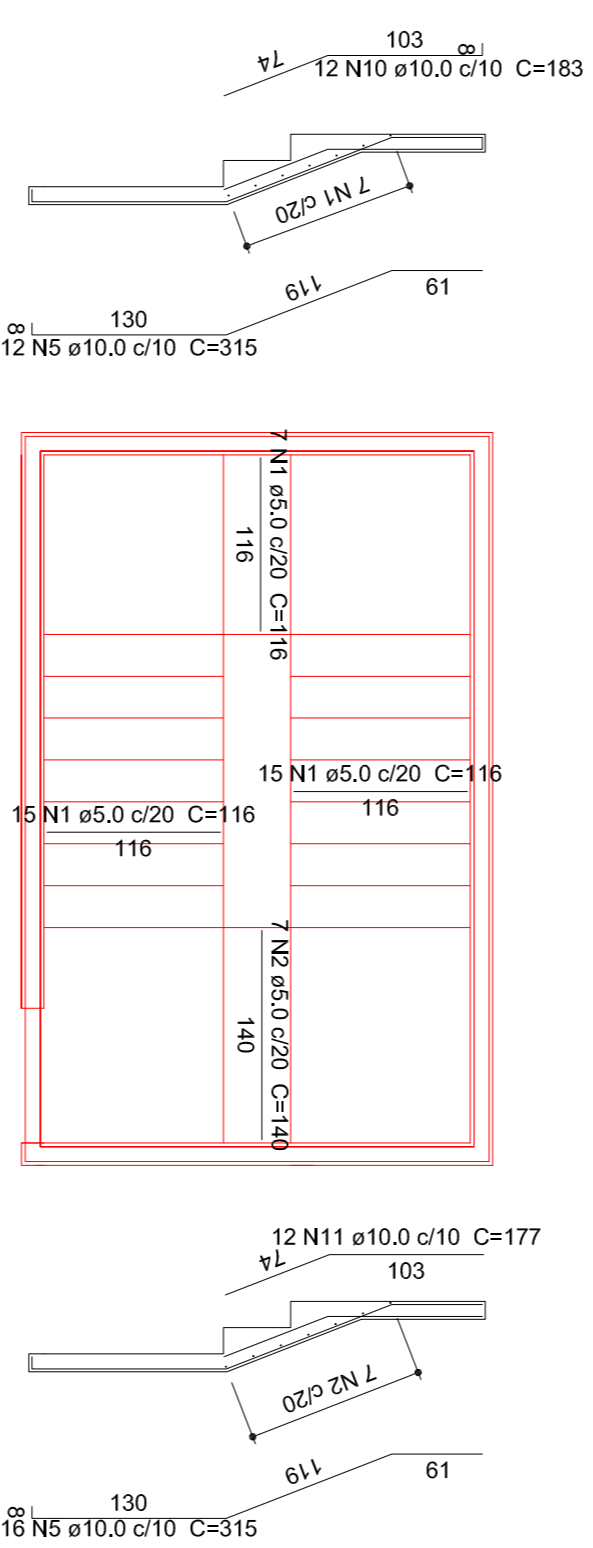
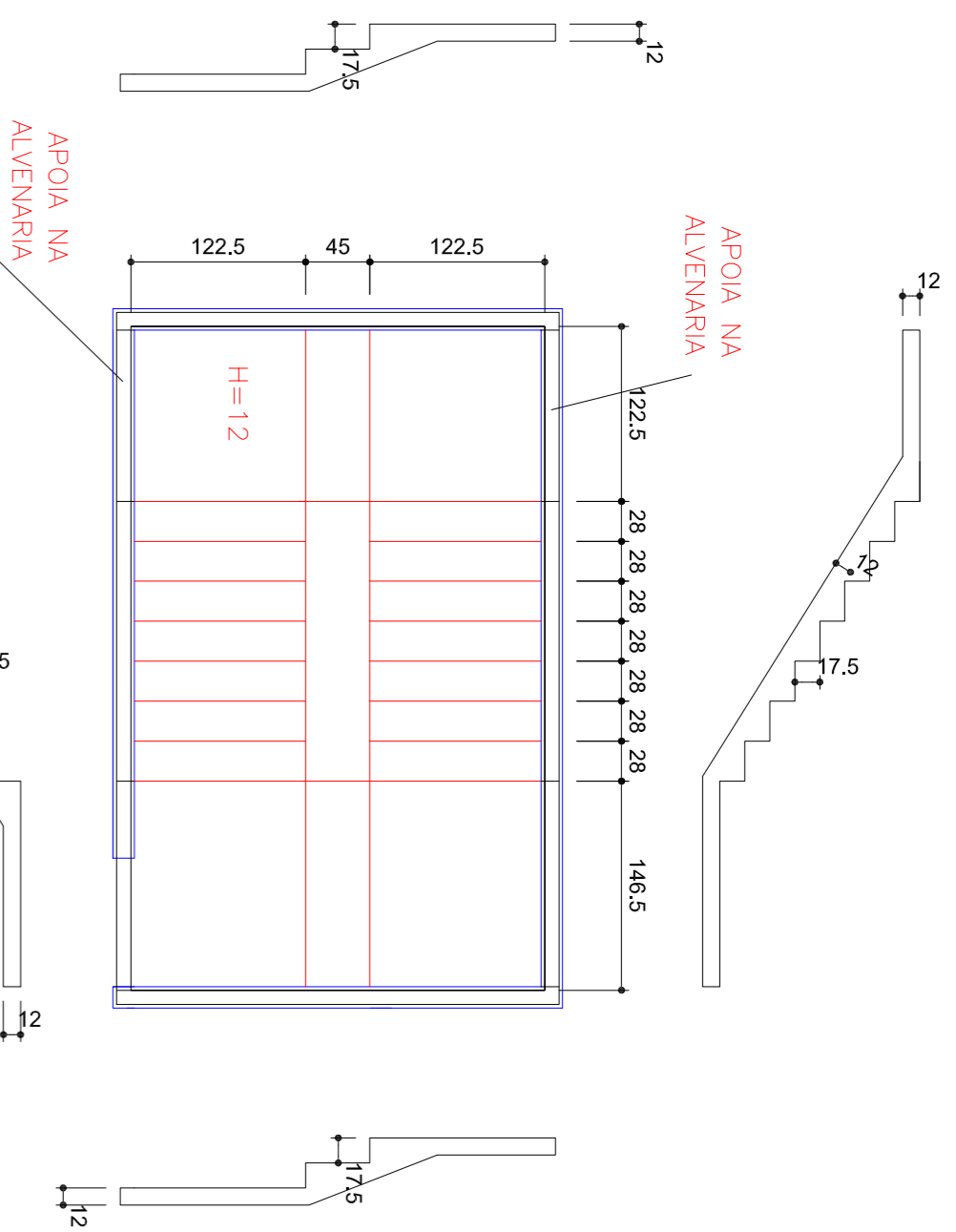
FELIPE CAVALCANTE GOMES LEMTE - CREA 13.292 D CE

PREFETURA MUNICIPAL DE VIÇOSA DO CEARÁ
VICOSA DO CEARÁ
CONSTRUÇÃO DO VIÇOSA PREV

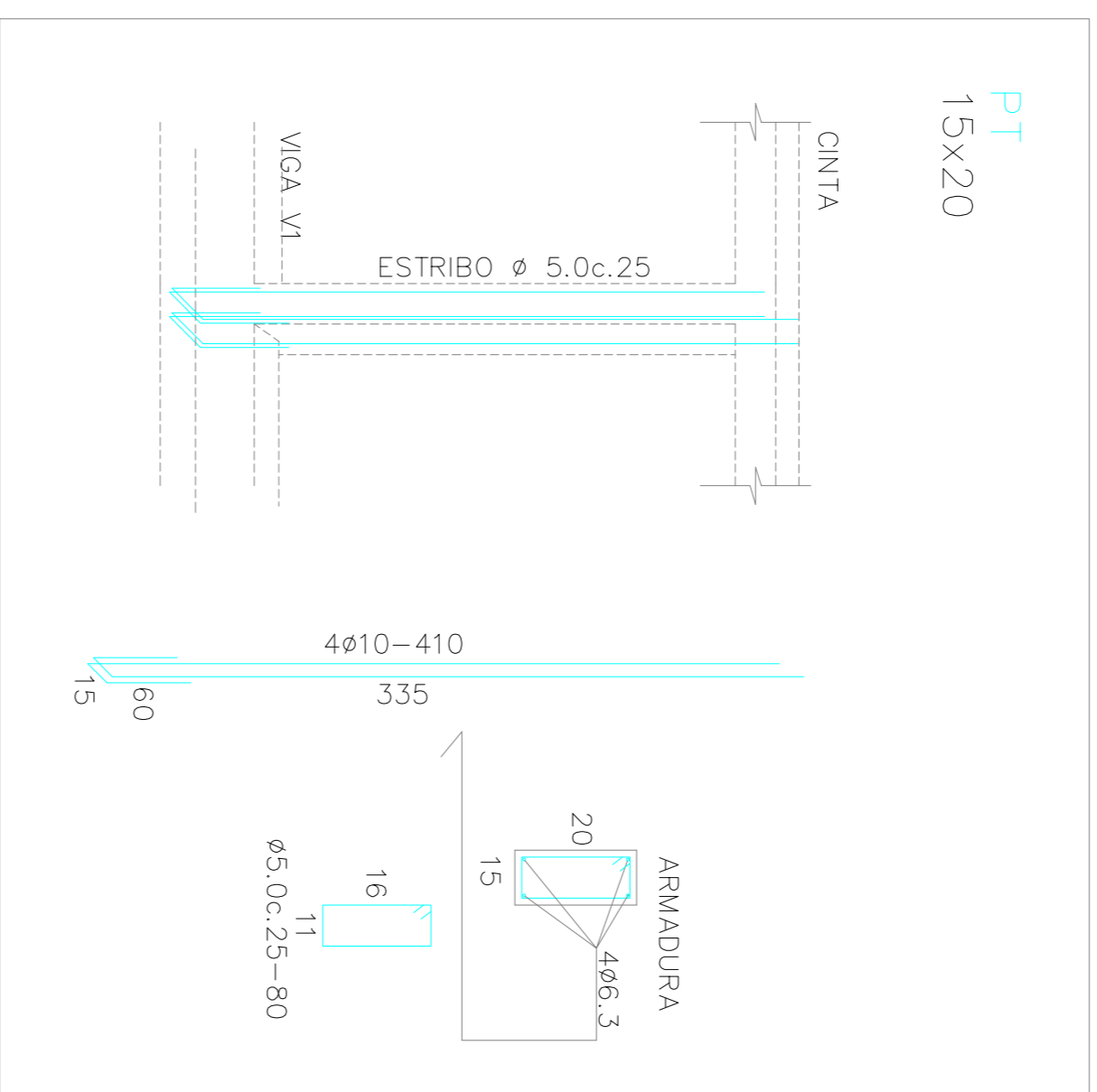
PROJETO ESTRUTURAL
VICOSA PREV

PROJETADE: FELIPE CAVALCANTE GOMES LEMTE
ASSINTE: FELIPE CAVALCANTE GOMES LEMTE
RESPONSO: FELIPE CAVALCANTE GOMES LEMTE

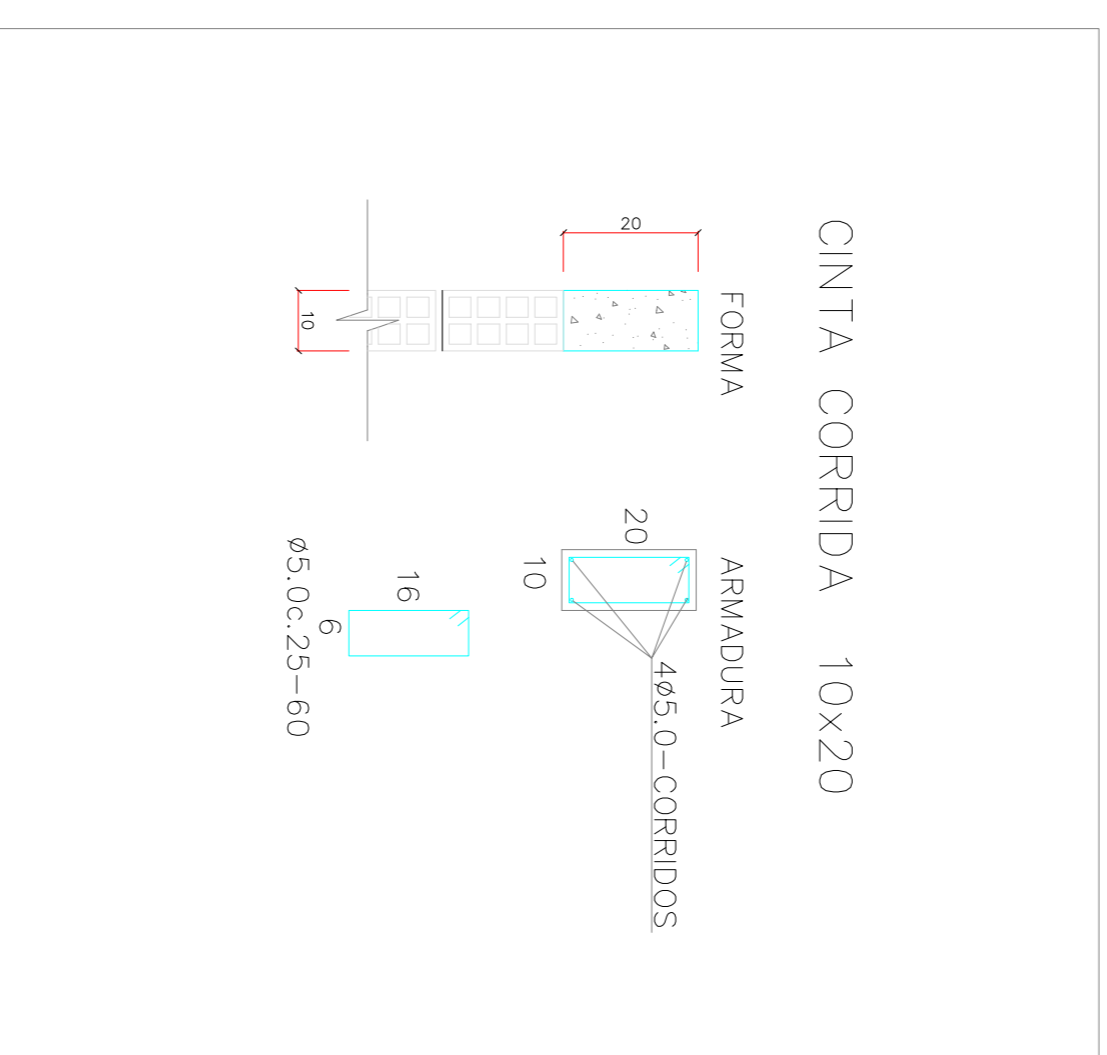
DATA: FEVEREIRO/2017
Pr 06 /24



DETALHE DO PILARETE DE TRAVAMENTO



DETALHE DA CINTA CORRIDA



Relação do aço

ACO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA80	1	5.0	37	16	592
	2	8.0	7	140	980
	3	8.0	12	500	6000
CA50	4	8.0	12	510	6120
	6	8.0	12	214	2568
	7	8.0	12	162	1944
	5	10.0	25	315	8820
CA60	8	10.0	12	152	1824
	11	10.0	12	171	2052

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (m)	QUANT + 5%	PESO + 5%
CA80	5.0	133.4	15	58.0
CA50	10.0	133.4	12	85.1
CA60	5.0	52.8	-	8.5
PESO TOTAL (kg)				145.6
CA80	154			8.3
CA60				

Revisões da prancha

Nº	Comentário	Autor	Data
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX

Nota:
Deverão ser contidos os cotos no obra.
Deverão previdecer as cotas sobre os desenhos.

PROJETO ESTRUTURAL
R88-10300

FELIPE CAVALCANTE CORREIA LEMUS - CREA 13292 D CE

PREFETURA MUNICIPAL DE VIÇOSA DO CEARÁ
VICOSA DO CEARÁ
CONSTRUÇÃO DO VIÇOSA PREV

PROJETO ESTRUTURAL
VICOSA PREV

PROPRIETÁRIO:
PREFETURA DE VIÇOSA DO CEARÁ

PROJETO E ARMAÇADURA DA ESCADA

DATA: MAIO/ 2017

PROFESSOR: RUA PROFESSORA ANA MARIA, S/N - VIÇOSA, CE

DATA: Pr 08 /24