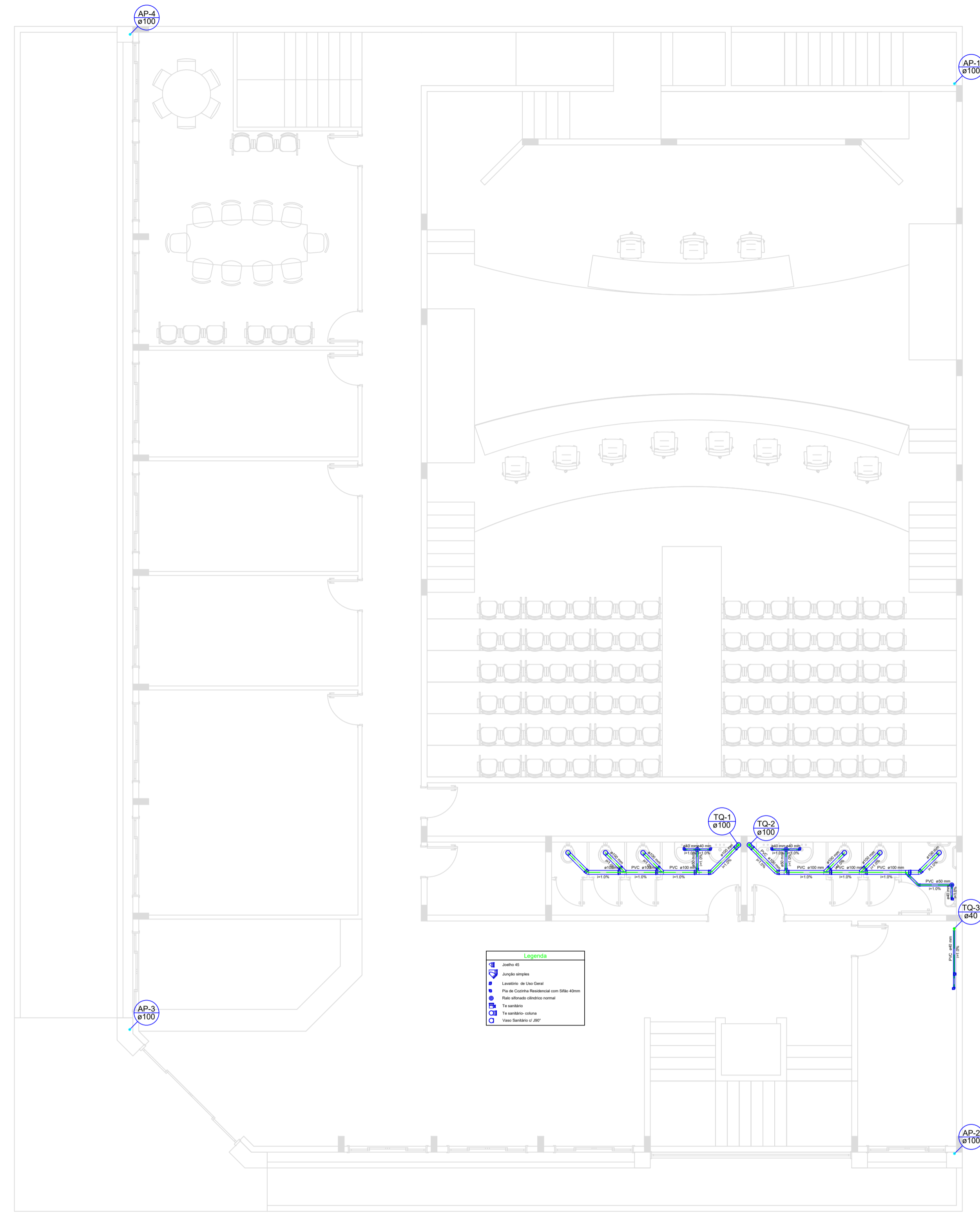
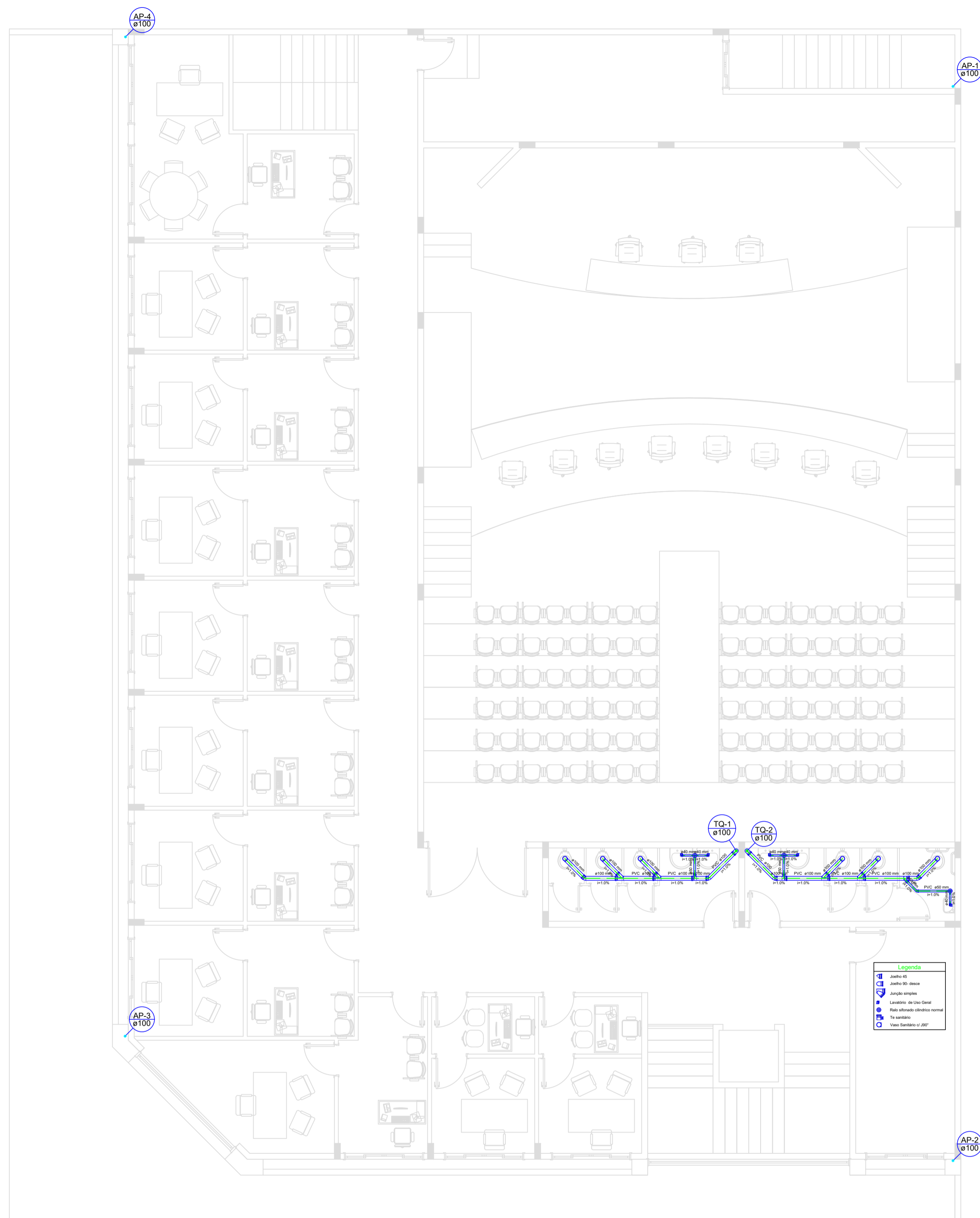


Esgoto Subsolo
escala 1:50

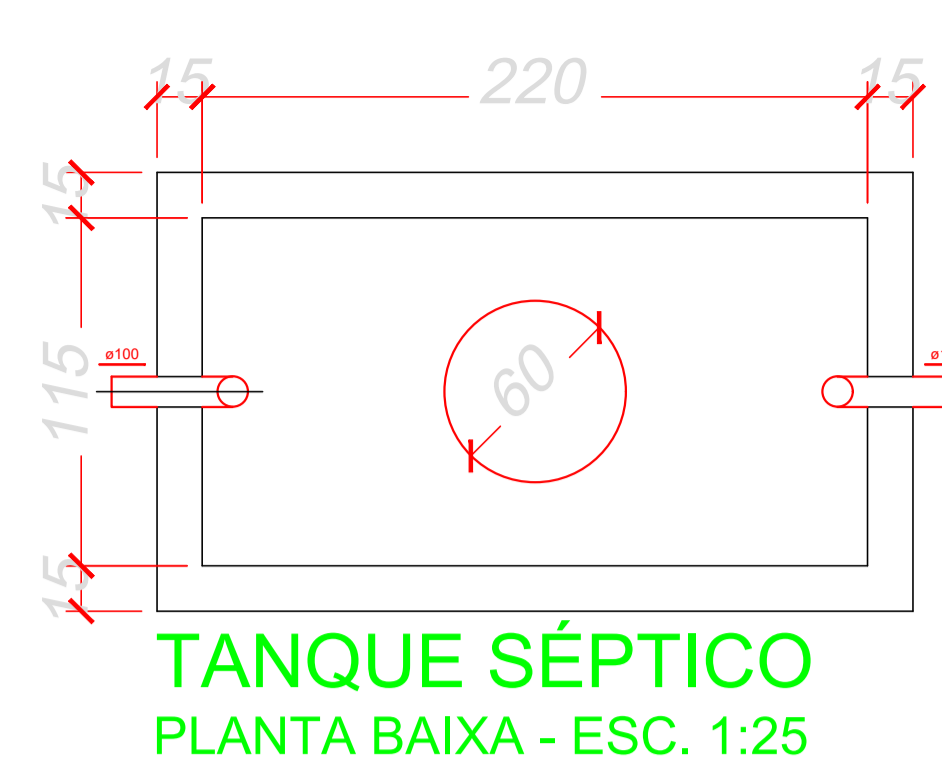


ESGOTO TERREO
escala 1:50

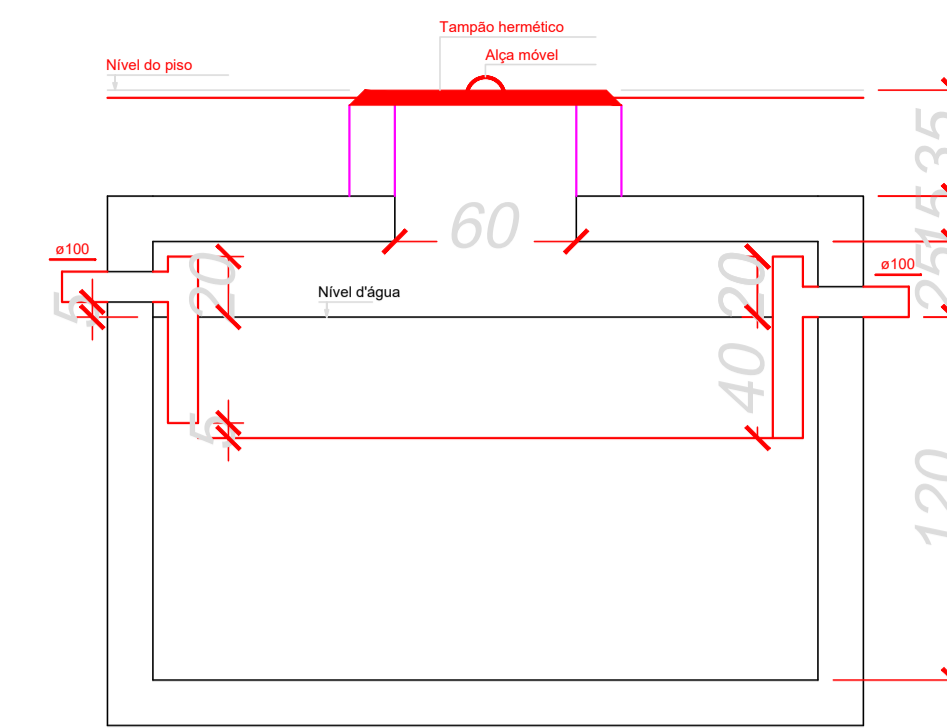
CLIENTE		MUNICÍPIO DE CORREIA PINTO CNPJ 75.438.855/0001-45	
RESP. TÉCNICO	DIEFERSON BRANGER-00897449932	Assinado de forma digital por DIEFERSON BRANGER-00897449932 Dados: 2021.11.18 08:51:25 -03'00'	
PROJETO			
PROJETO SANITARIO			
CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.		DESENHO	CONF.
		MARCOS B.	
		DATA	
DISCRIMINAÇÃO DO DESENHO		ESCALA	APROV. ARC.
PLANTA BAIXA SUBSOLO, PLANTA BAIXA PAVTO TERREO.		INDICADAS	
		PRANCHA	
		SANIT. 01/02	



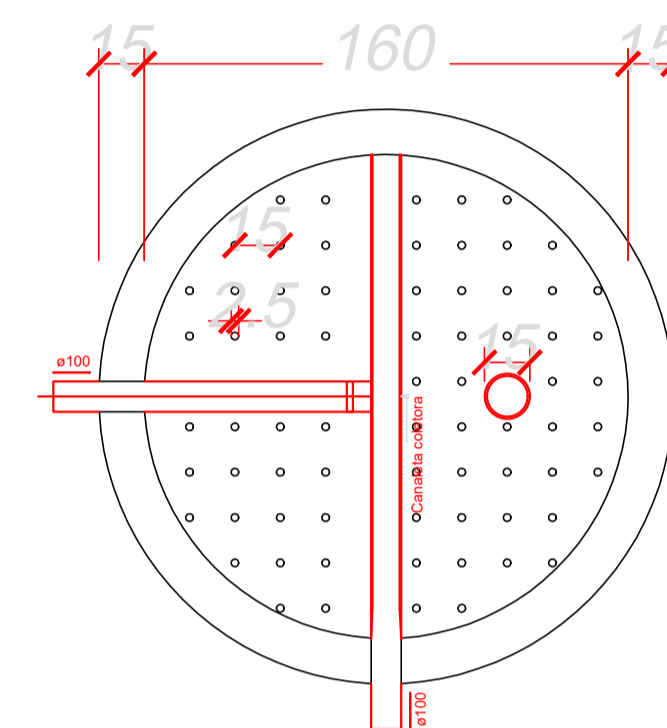
ESGOTO 1 PAVTO
escala 1:50



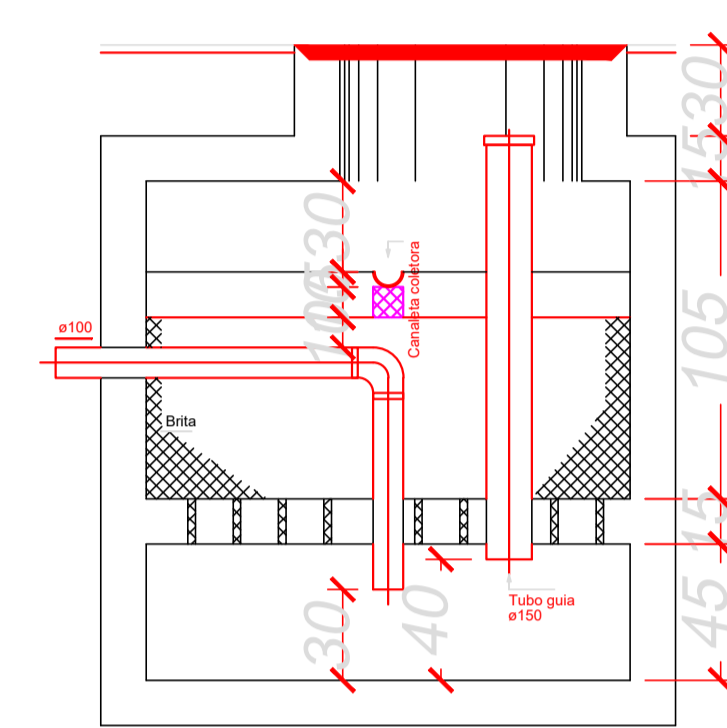
TANQUE SÉPTICO
PLANTA BAIXA - ESC. 1:25



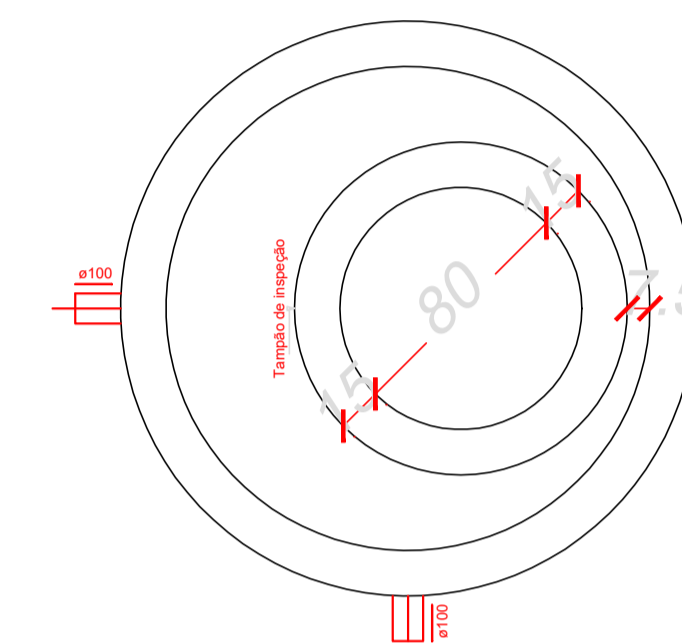
TANQUE SÉPTICO
CORTE - ESC. 1:25



FILTRO ANAERÓBIO
PLANTA BAIXA - ESC. 1:25



FILTRO ANAERÓBIO
CORTE - ESC. 1:25



FILTRO ANAERÓBIO
PLANTA BAIXA - ESC. 1:25

MEMÓRIA DE CÁLCULO

Pavimento Subsolo

Tanque séptico TS1 (Subsolo)

Habituação:

Tipo de habitação	Número de contribuintes (N)	Contribuição diária de despejos (Litros/pessoa.dia)	Contribuição total (Litros/dia)
Edifício público ou comercial	30	50	1500
Total			1500

Tipo de habitação	Contribuição diária de lodo fresco (Litros/pessoa.dia)	Contribuição total de lodo fresco (Litros/dia)
Edifício público ou comercial	0.2	6
Total		6

Dados Adicionais:

Tempo de detenção de despejos (dias)	Intervalo entre Limpezas (anos)	Temperatura média do mês mais frio (°C)	Taxa de acumulação de lodo (dias)
1	1	15	65

Dimensões:

Volume útil calculado (m³)	Volume útil efetivo (m³)	Formato do filtro	Largura (m)	Comprimento (m)	Profundidade útil (m)	Número de câmaras
2.89	3.036	Prismático	1.15	2.2	1.2	Camara única

Filtro anaeróbico FA1 (Subsolo)

Habituação:

Tipo de habitação	Número de contribuintes (N)	Contribuição diária de despejos (Litros/pessoa.dia)	Contribuição total (Litros/dia)
Edifício público ou comercial	30	50	1500
Total			1500

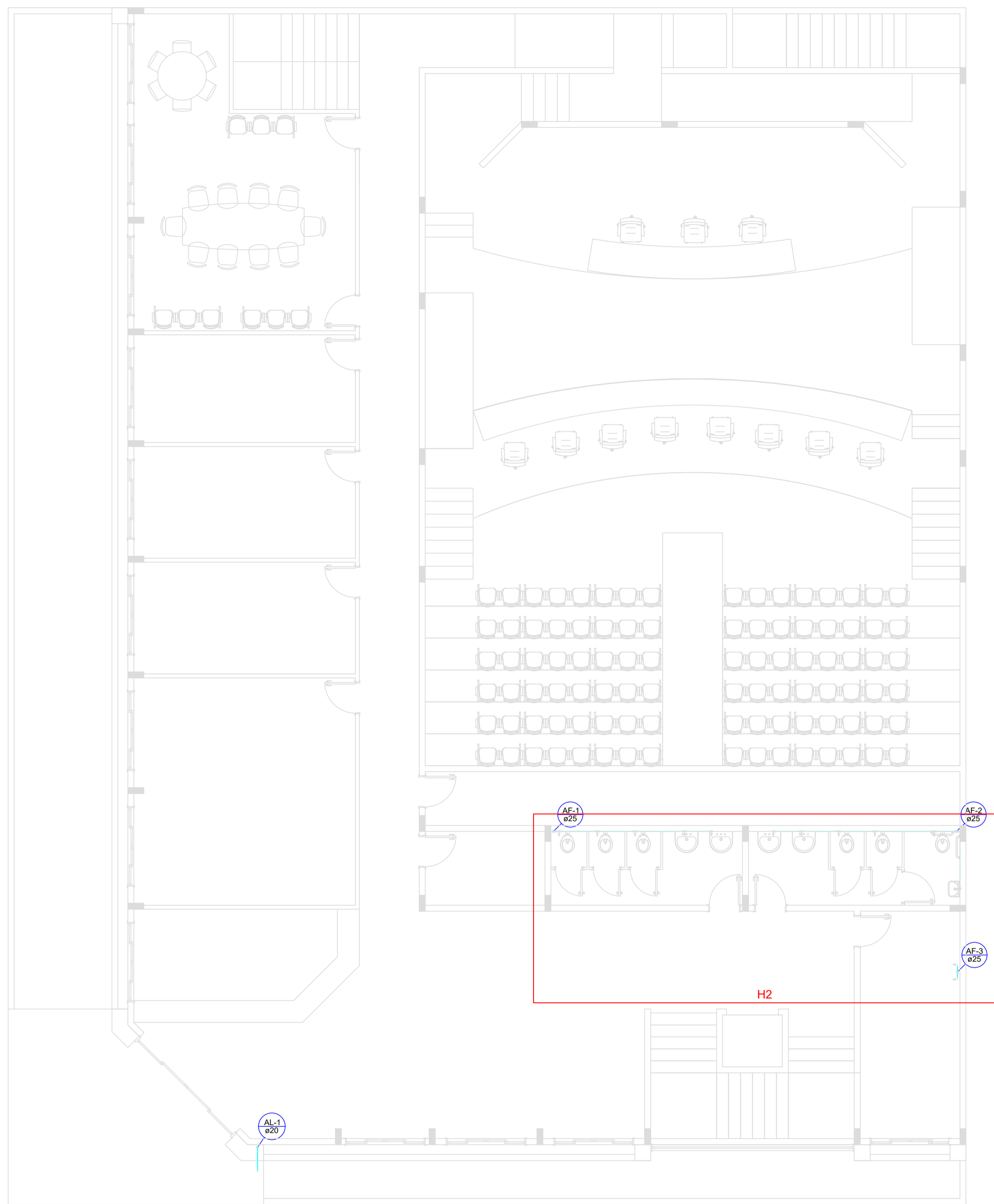
Dados Adicionais:

Temperatura do mês mais frio: 15°C
Tempo de detenção hidráulica: 1 dias

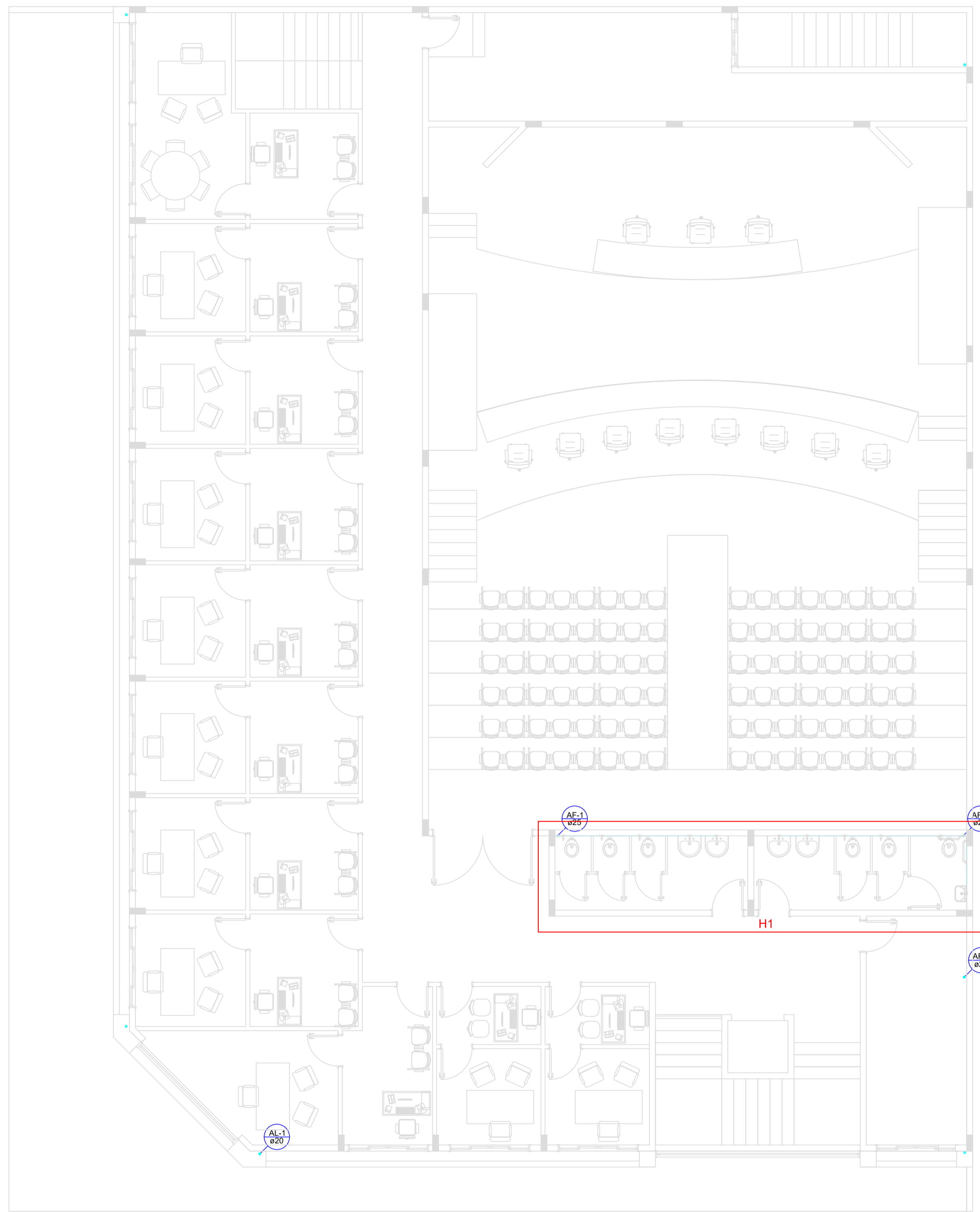
Dimensões:

Volume útil calculado (m³)	Volume útil efetivo (m³)	Formato do filtro	Diâmetro (m)	Altura total do leito (m)	Altura do fundo falso (m)	Altura do vão livre (m)	Altura da calha (m)
2.4	2.41274	Circular	1.6	1.2	0.6	0.3	0.05

CLIENTE		MUNICÍPIO DE CORREIA PINTO CNPJ 15.438.855/0001-45	
RESP. TÉCNICO	DIEFERSON BRANGER	Assinado de forma digital por DIEFERSON BRANGER/0097449932 Dados: 2021.11.18 08:52:19 -03'00'	
PROJETO			
CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.			
DISCRIMINAÇÃO DO DESENHO		DESENHO	CONF.
PLANTA BAIXA I PAVTO E DETALHES		MARCOS B.	
PRANCHA		ESCALA	APROV. ARC.
		SANIT. 02/02	

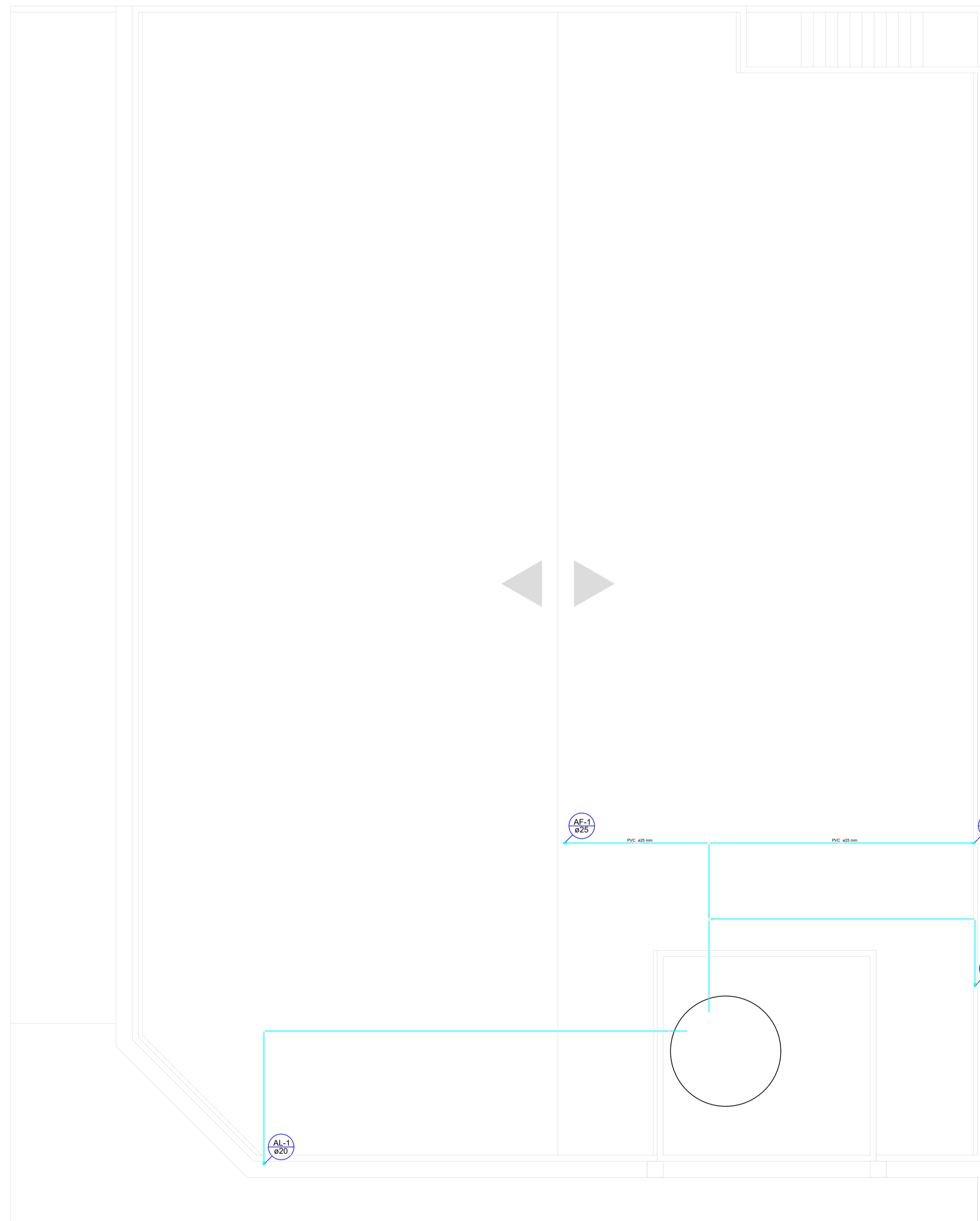


PLANTA BAIXA TERREO
escala 1:50



PLANTA BAIXA 1PAVTO
escala 1:50

CLIENTE		MUNICÍPIO DE CORREIA PINTO CNPJ 79.438.855/0001-49	
RESP. TÉCNICO	DIEFERSON BRANGER:00897449932	Assinado de forma digital por DIEFERSON BRANGER:00897449932 Dados: 2023.11.18 08:52:59 -03'00'	
			
PROJETO			
PROJETO HIDRAULICO			
CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.		DESENHO	CONF.
		MARCOS B.	
		DATA	
DISCRIMINAÇÃO DO DESENHO		ESCALA	APROV. ARC.
PLANTA BAIXA SUBSOLO, PLANTA BAIXA PAVTO TERREO.		INDICADAS	
		PRANCHA	
		HIDRO. 01/04	

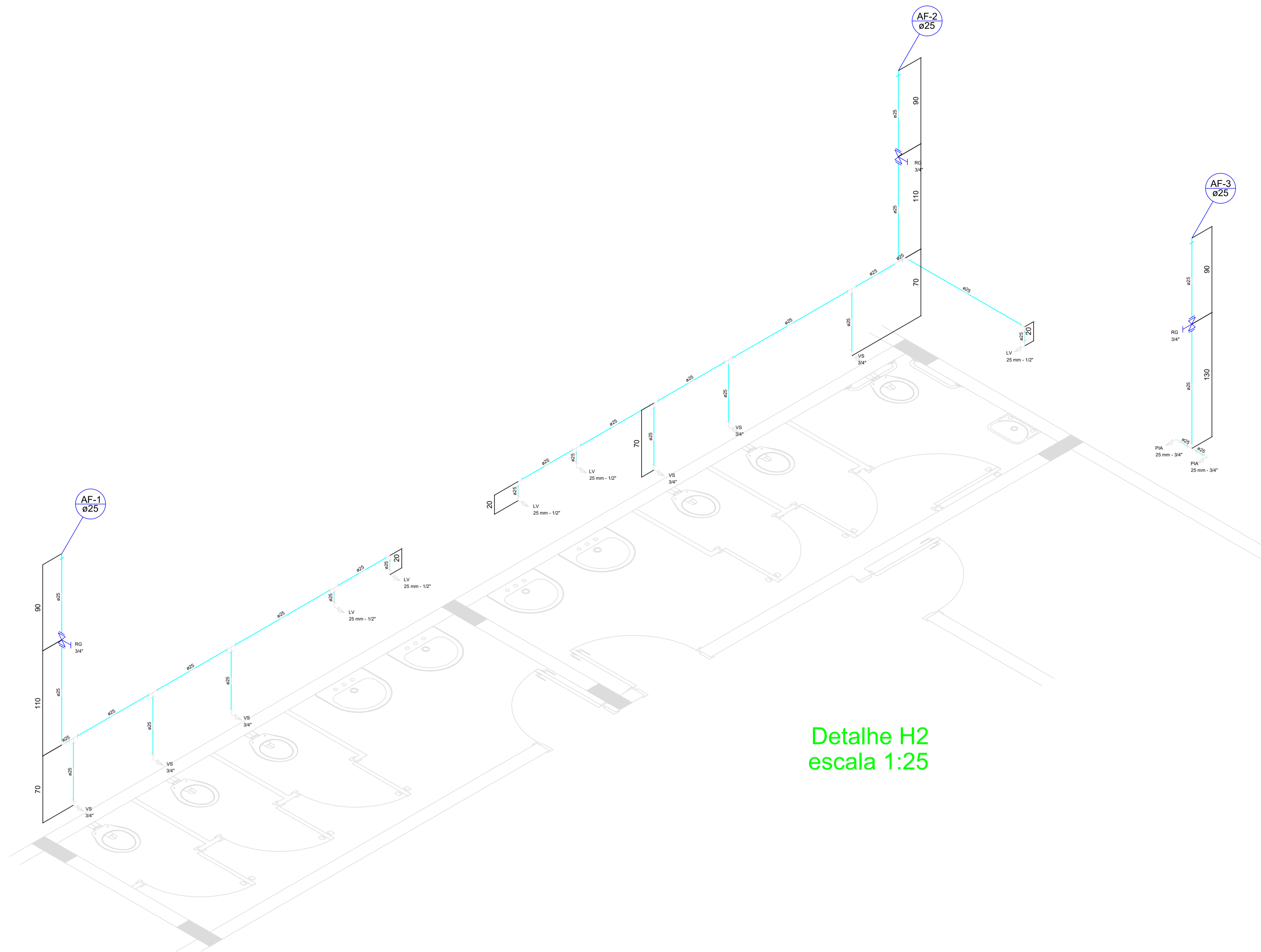


PLANTA BAIXA COBERTURA
escala 1:50



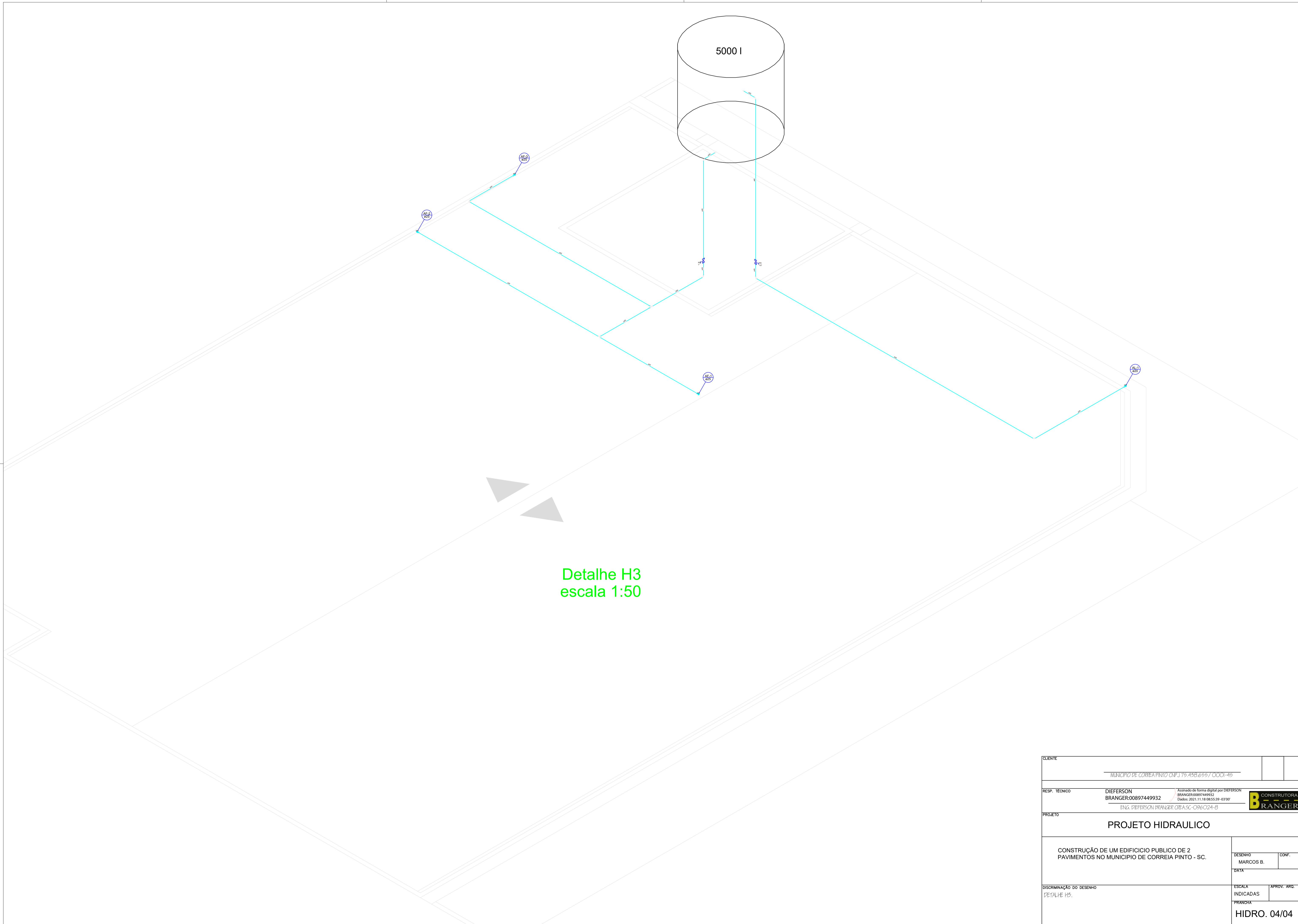
Detalhe H1
escala 1:25

CLIENTE		MUNICÍPIO DE CORREIA PINTO CNPJ 75.435.855/0001-45	
RESP. TÉCNICO	DIEFERSON BRANGER:00897449932	Assinado de forma digital por DIEFERSON BRANGER:00897449932 Dados: 2021.11.18 08:53:47 -03'00'	
PROJETO			
CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.			
DISCRIMINAÇÃO DO DESENHO		ESCALA	APROV. ARG.
PLANTA BAIXA COBERTURA DETALHE H1		INDICADAS	PRANCHA
		HIDRO. 02/04	



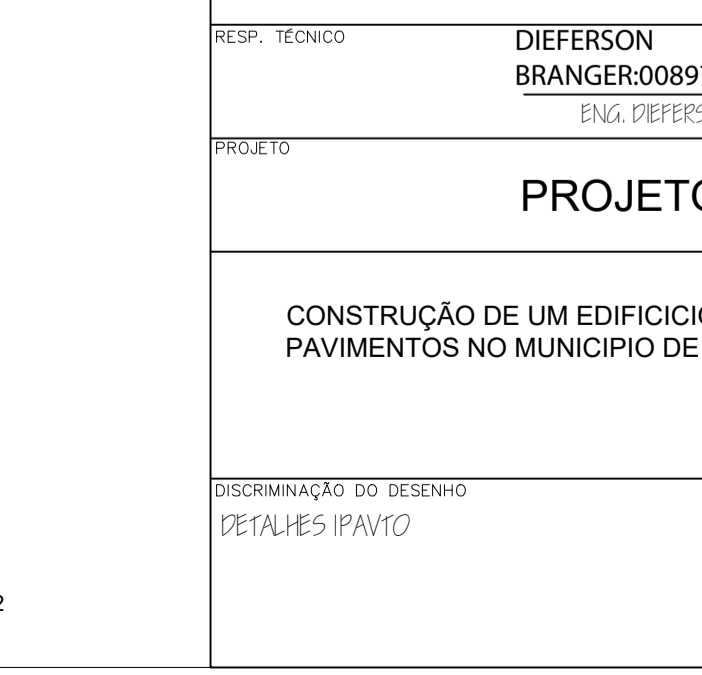
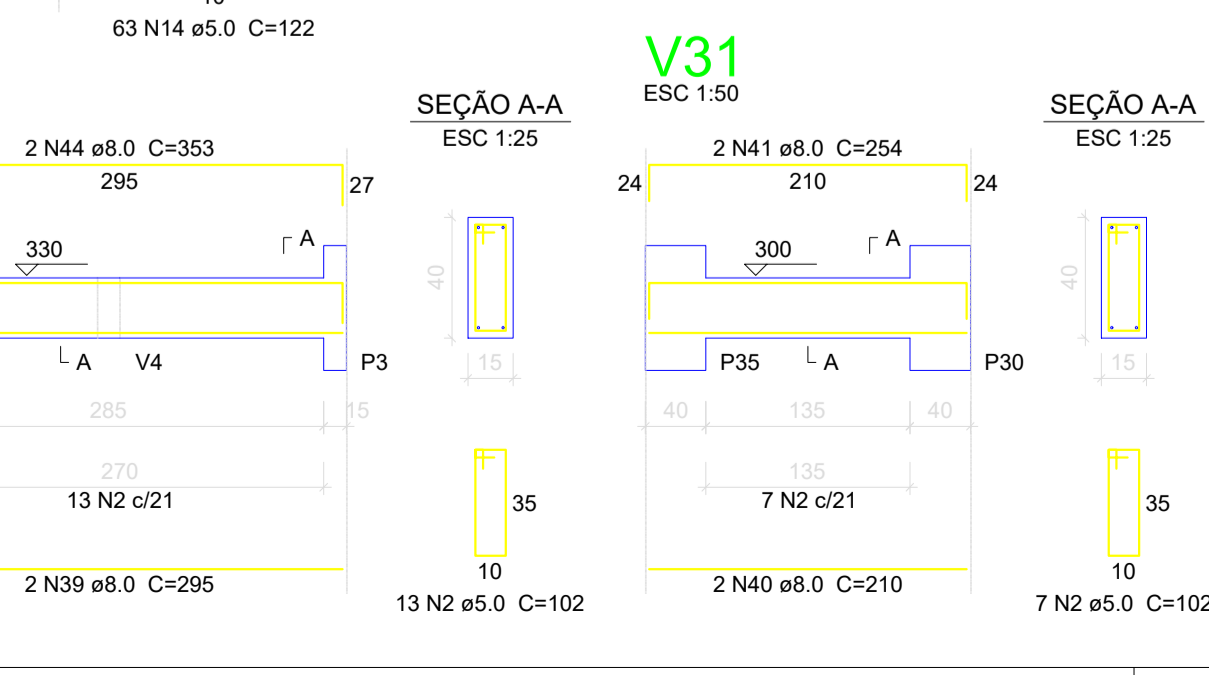
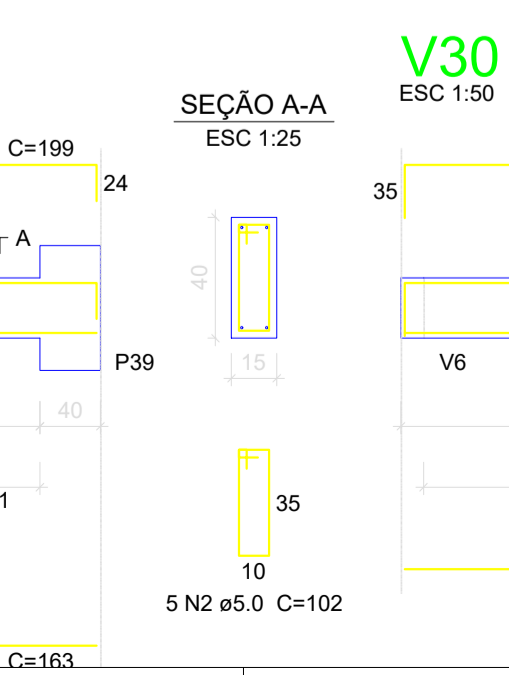
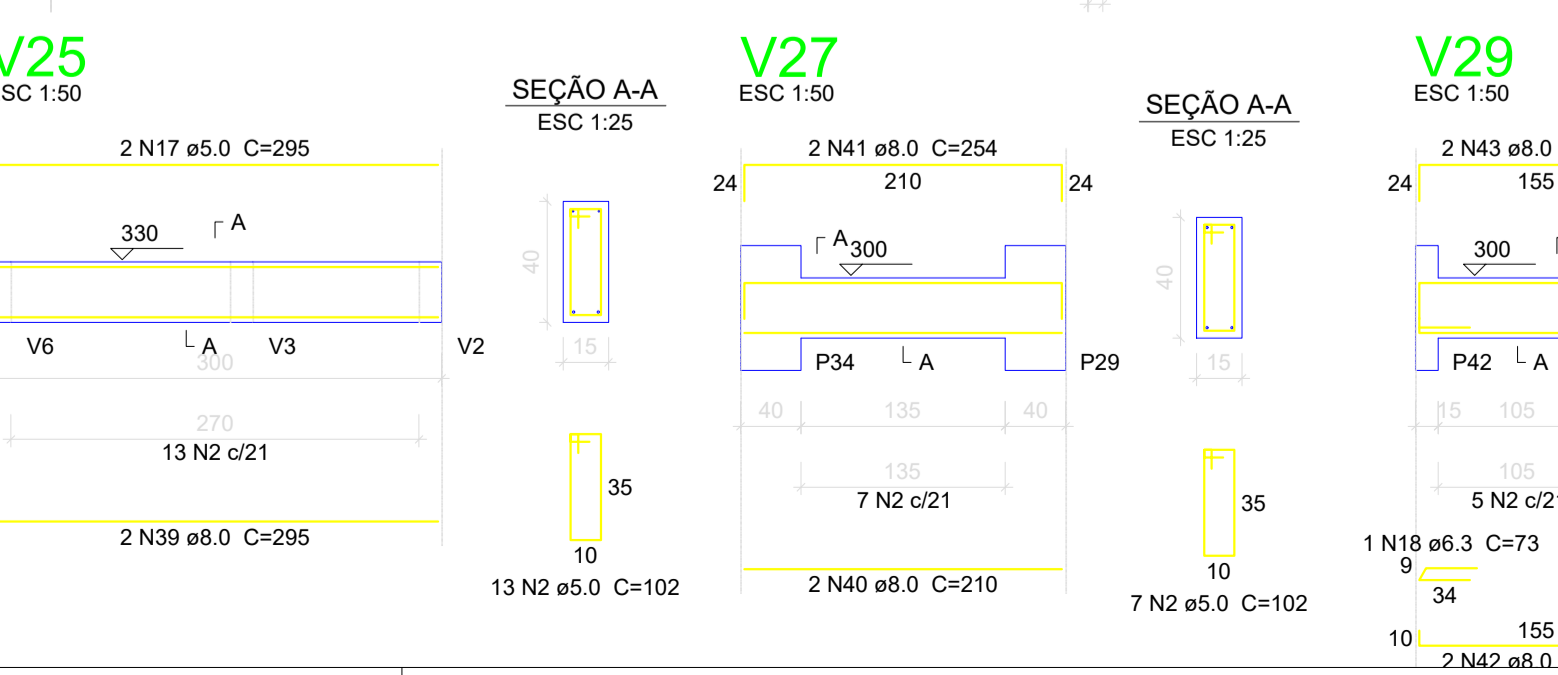
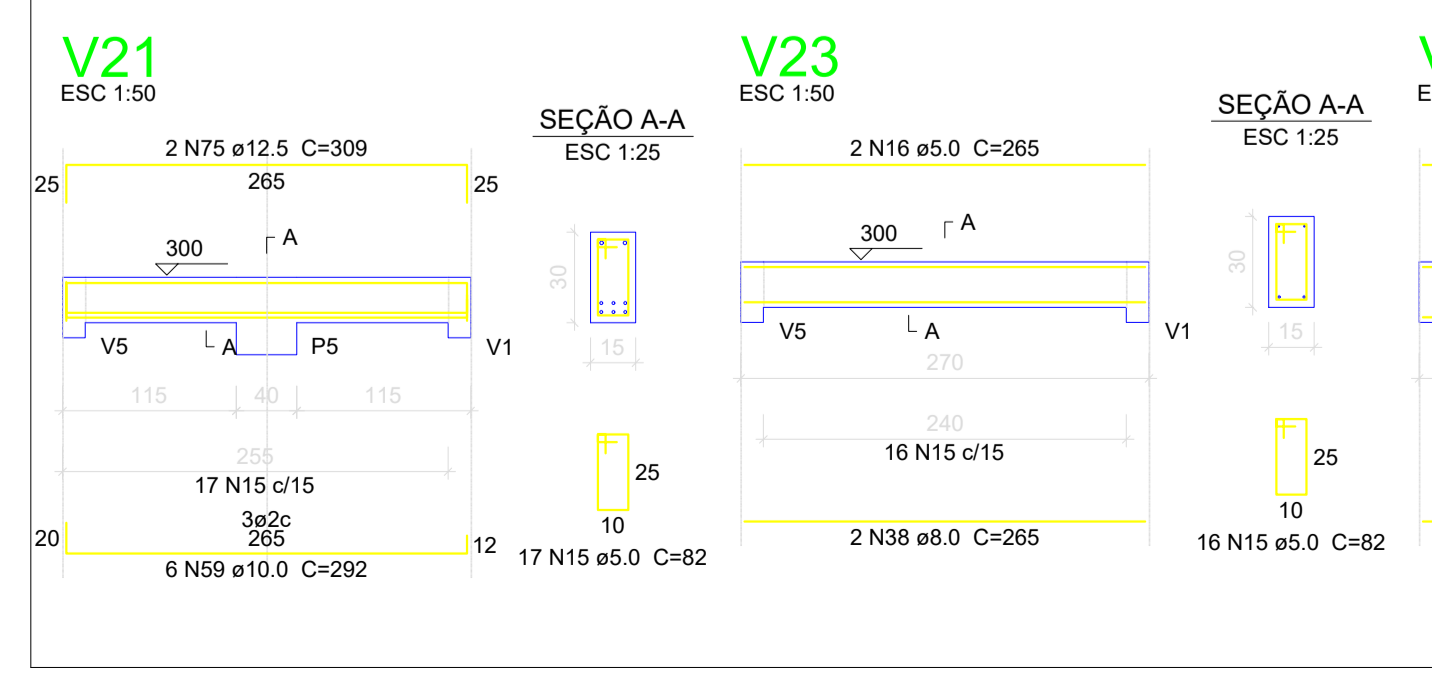
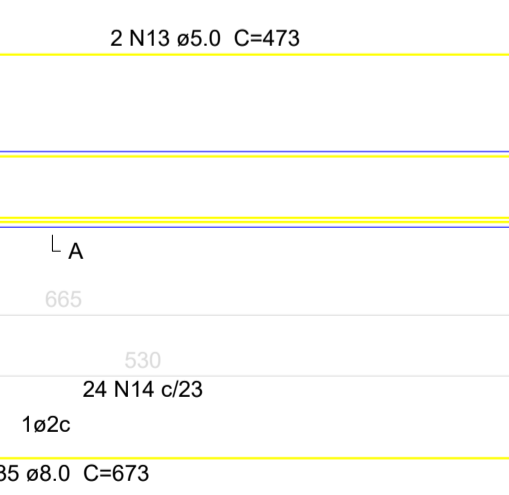
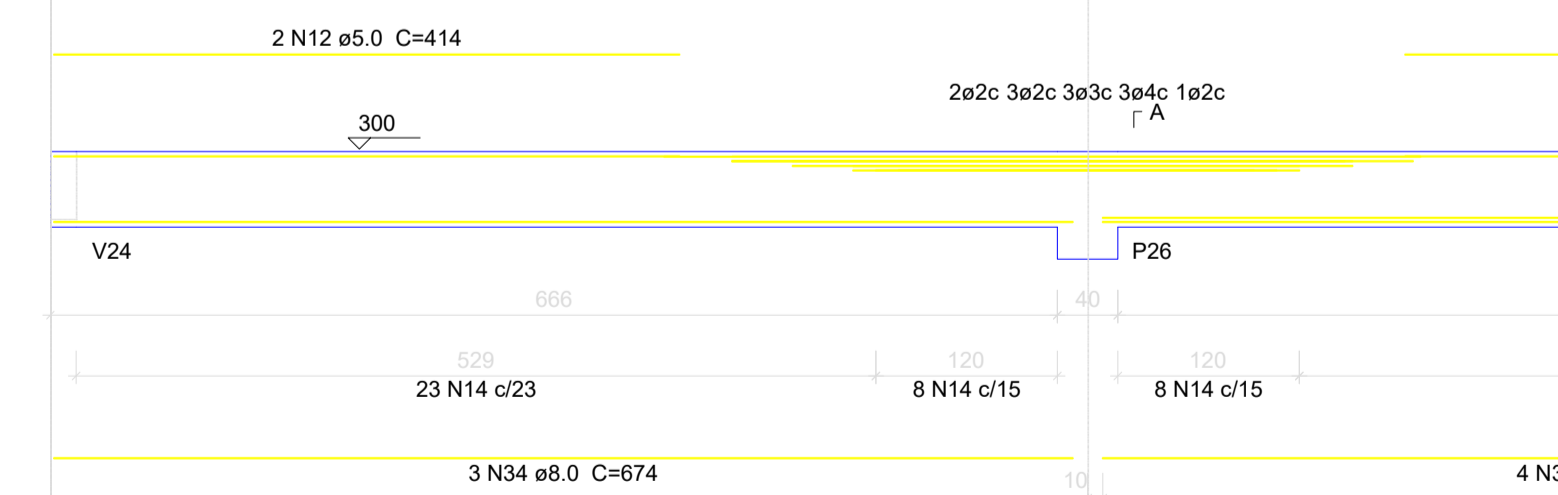
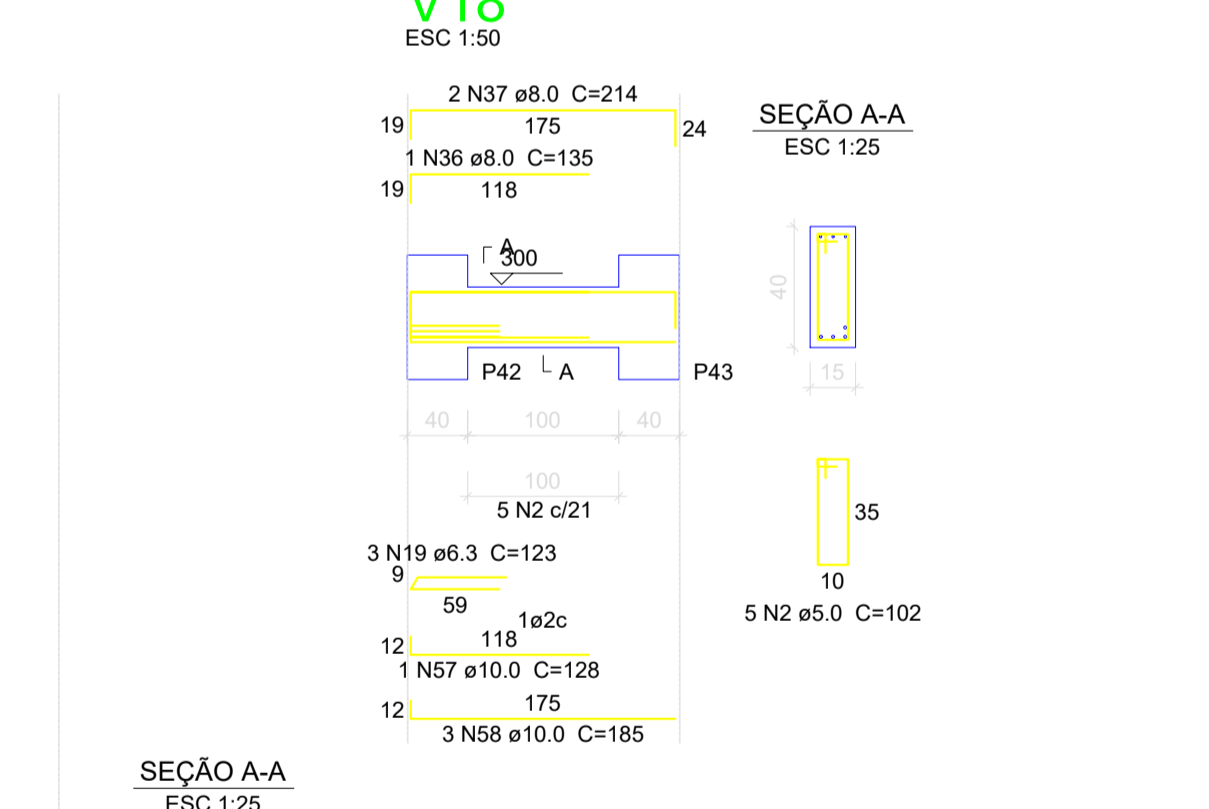
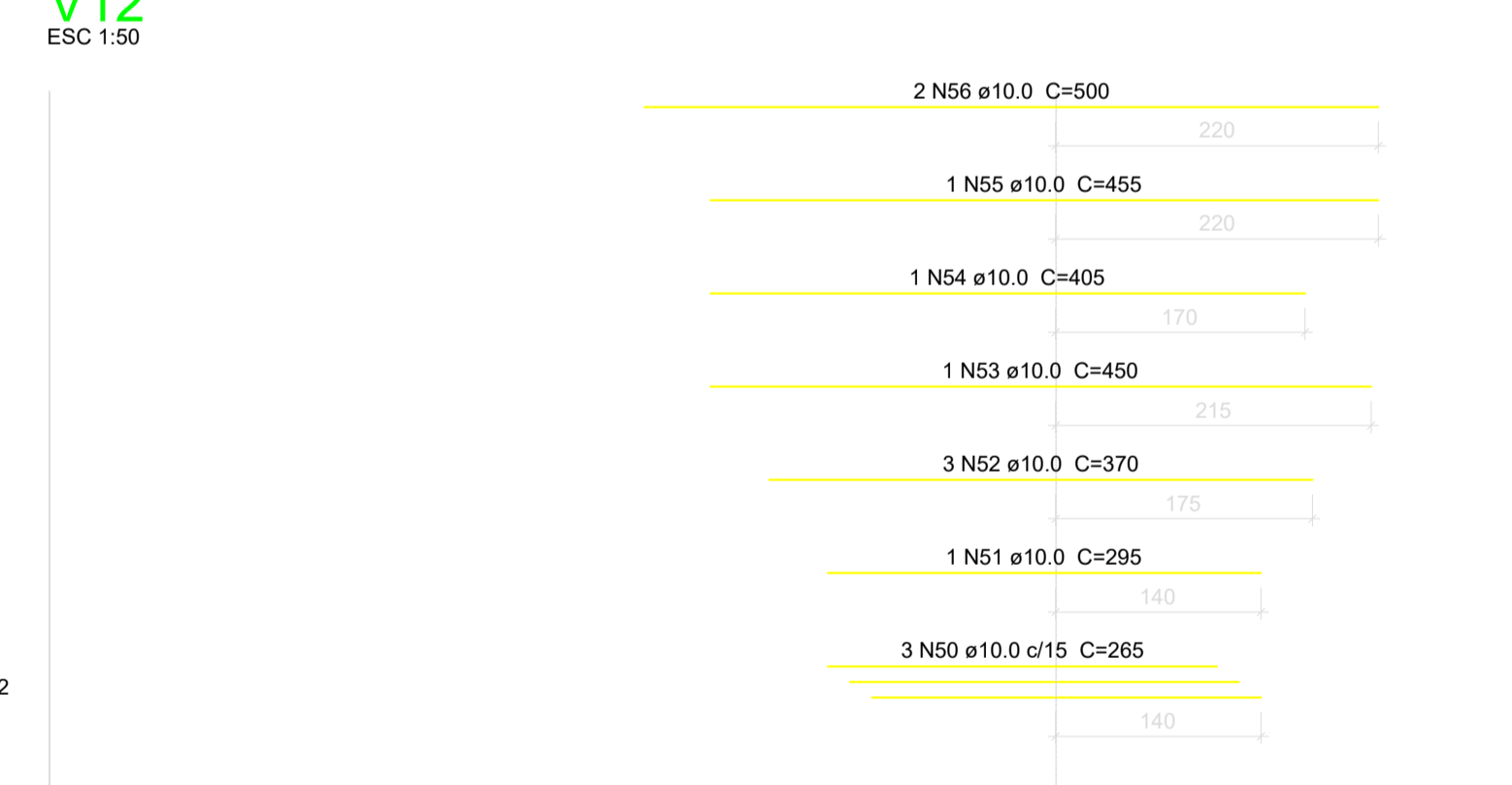
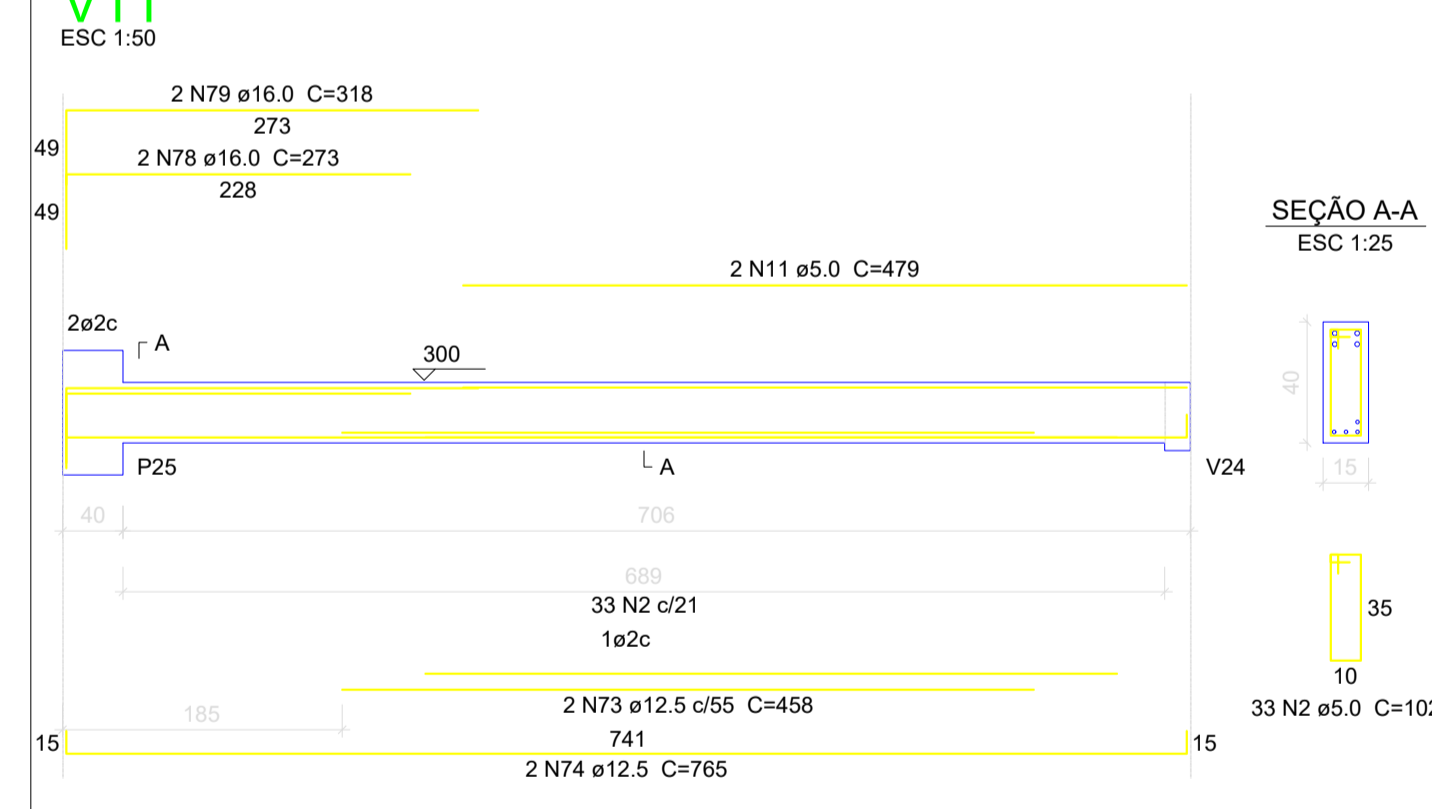
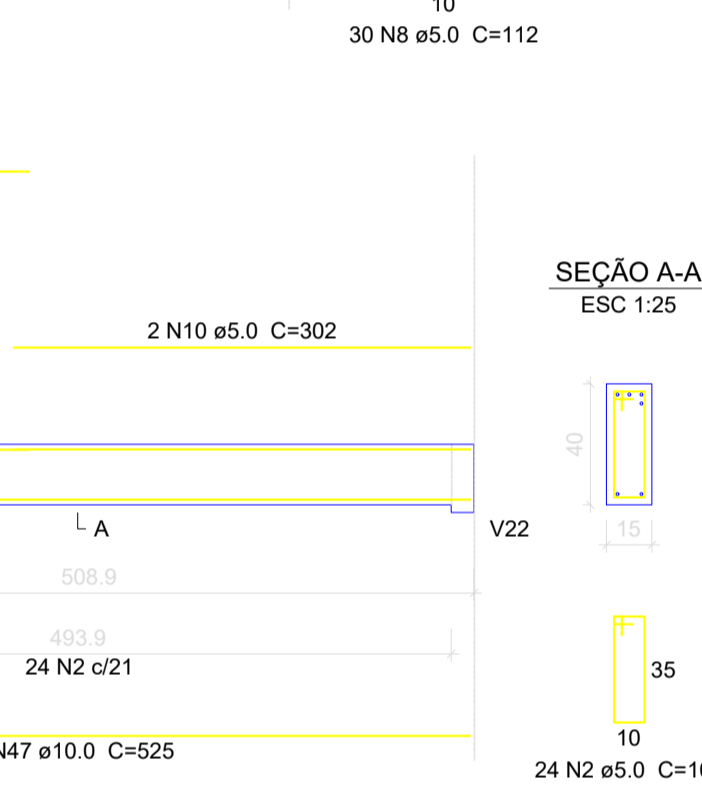
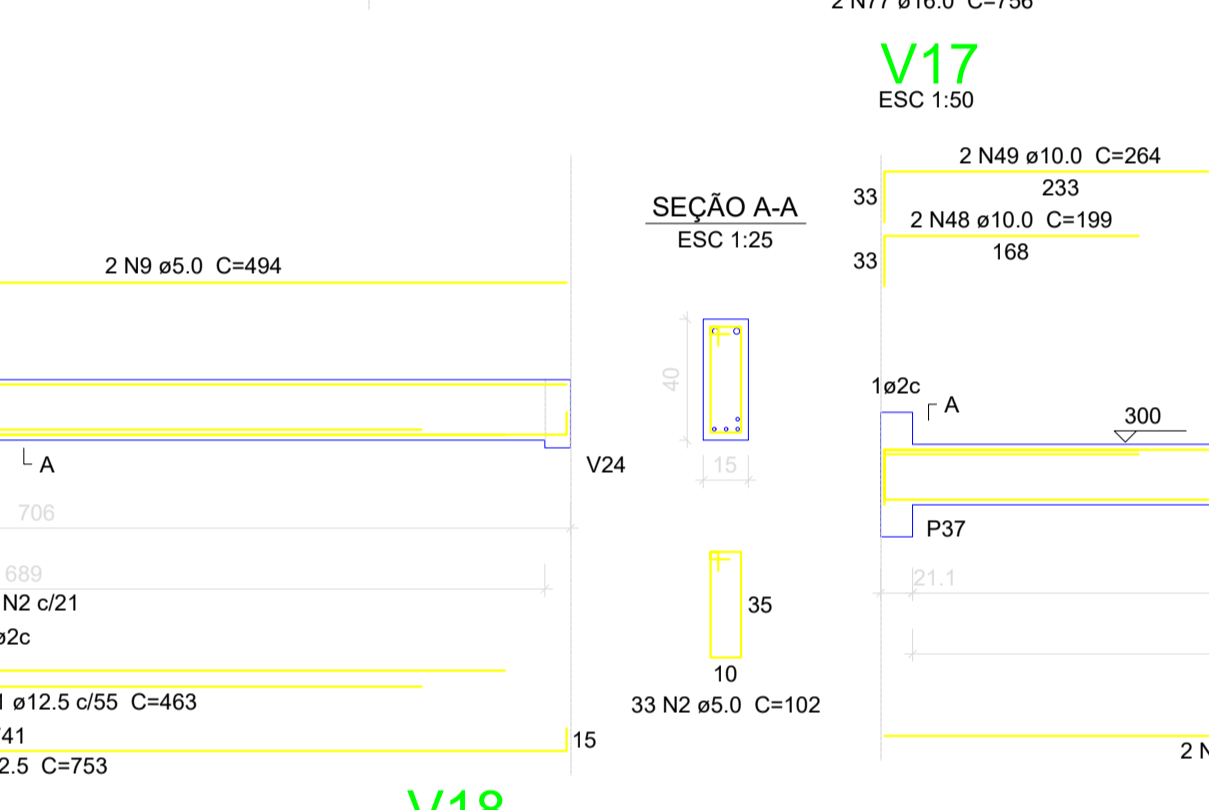
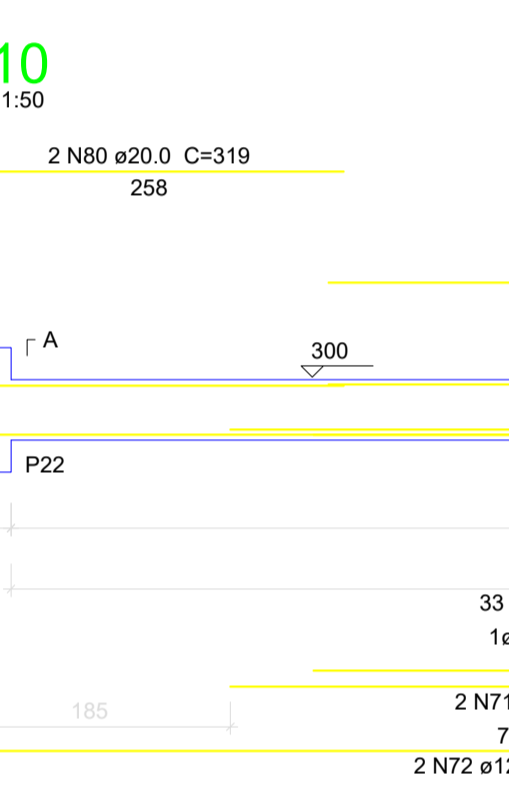
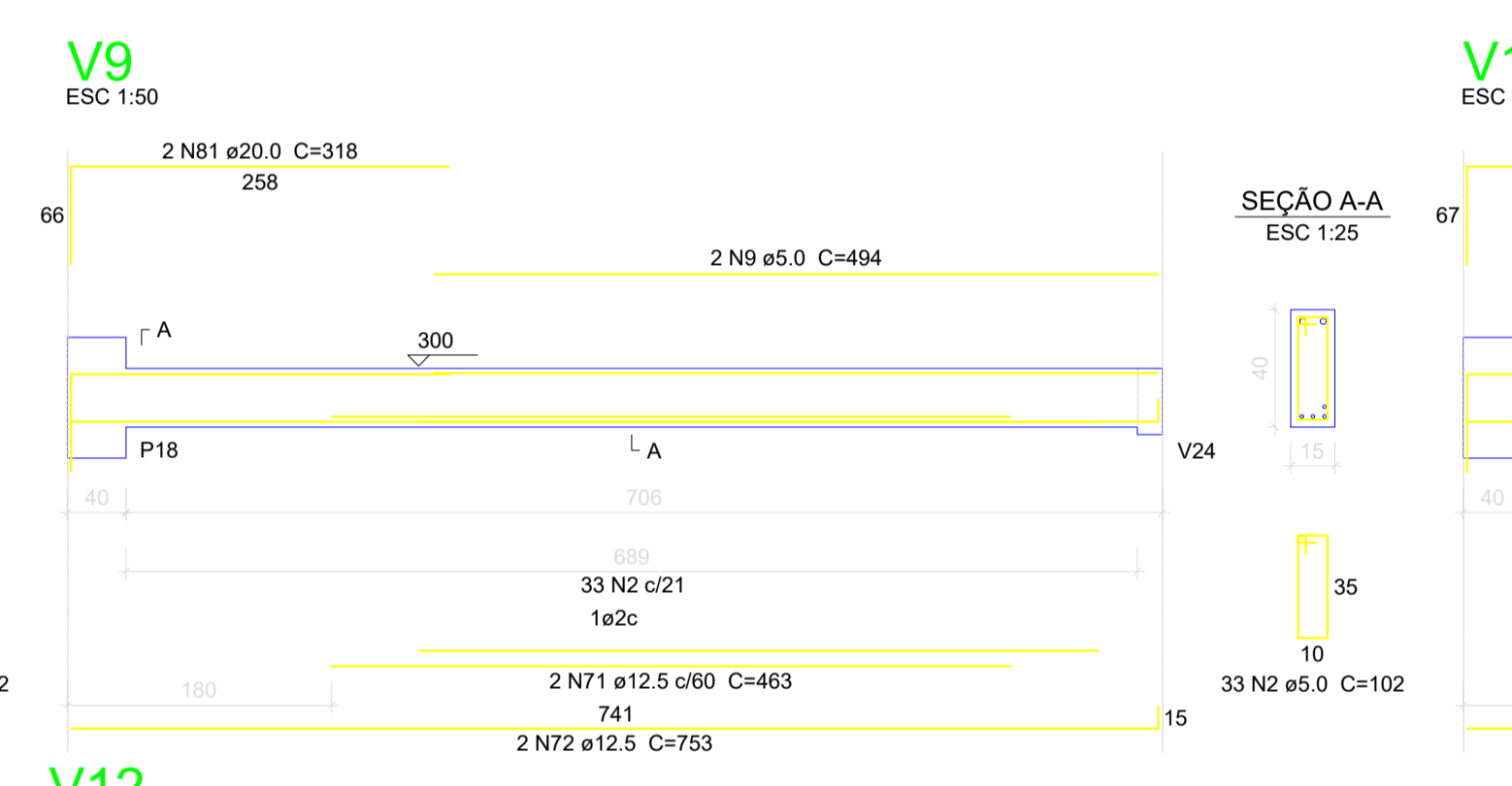
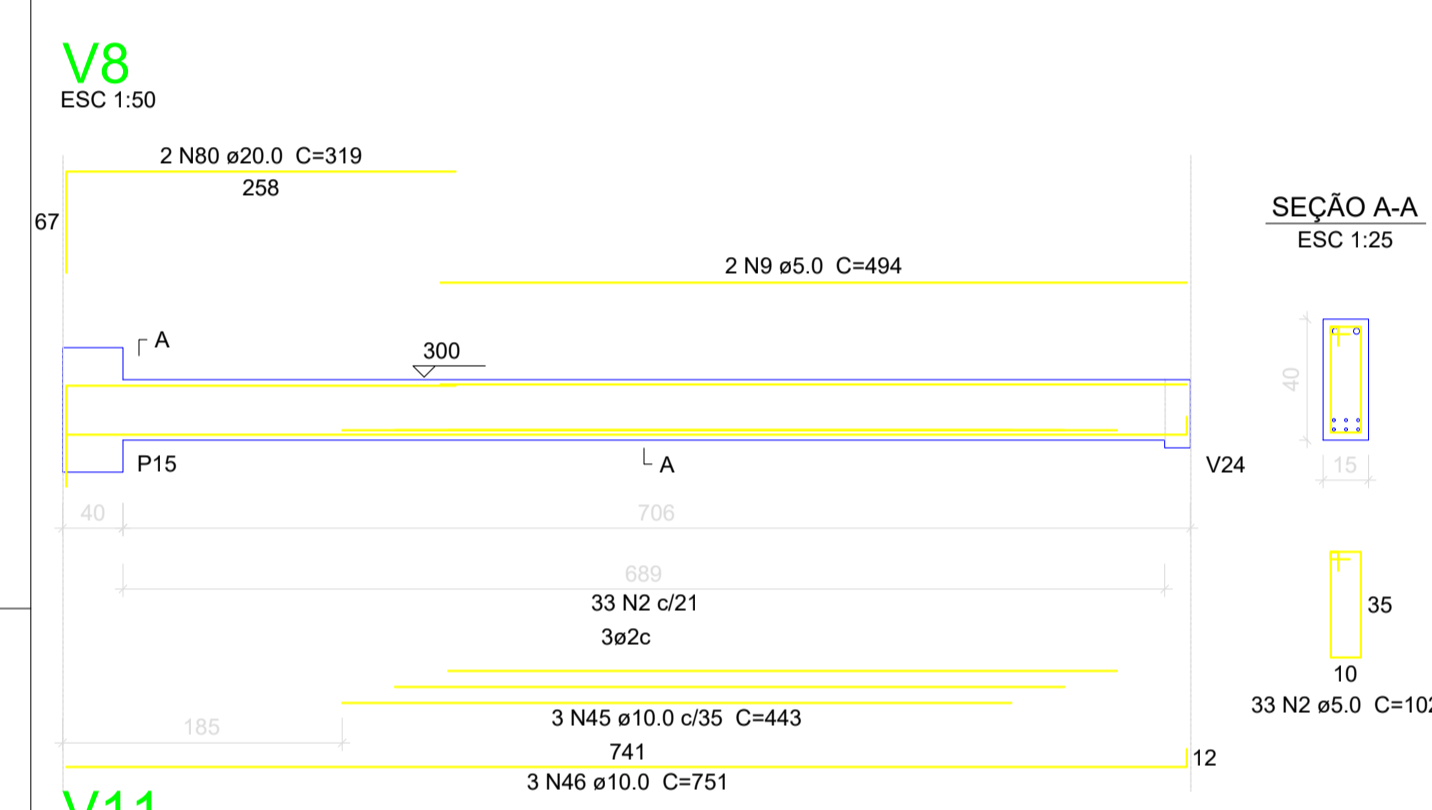
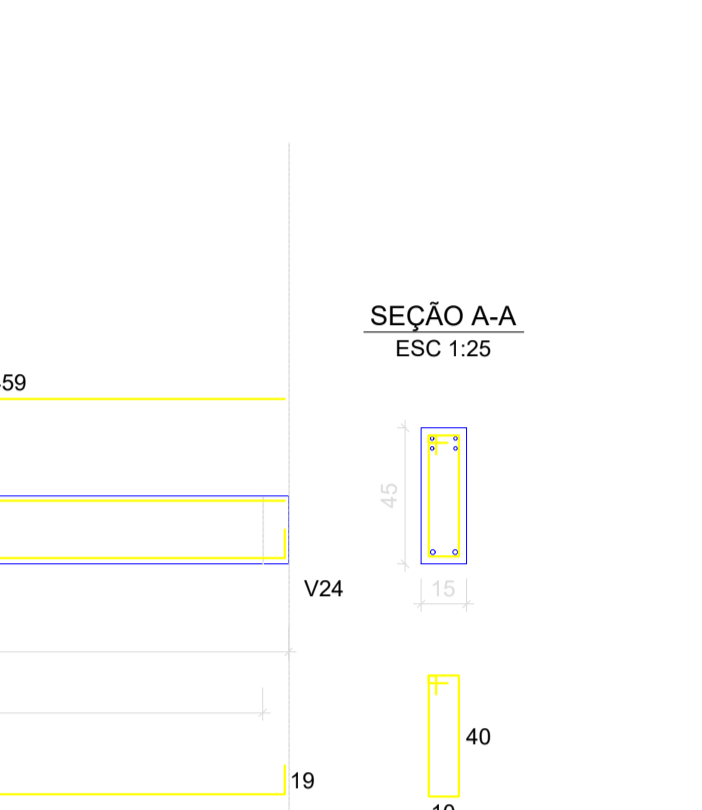
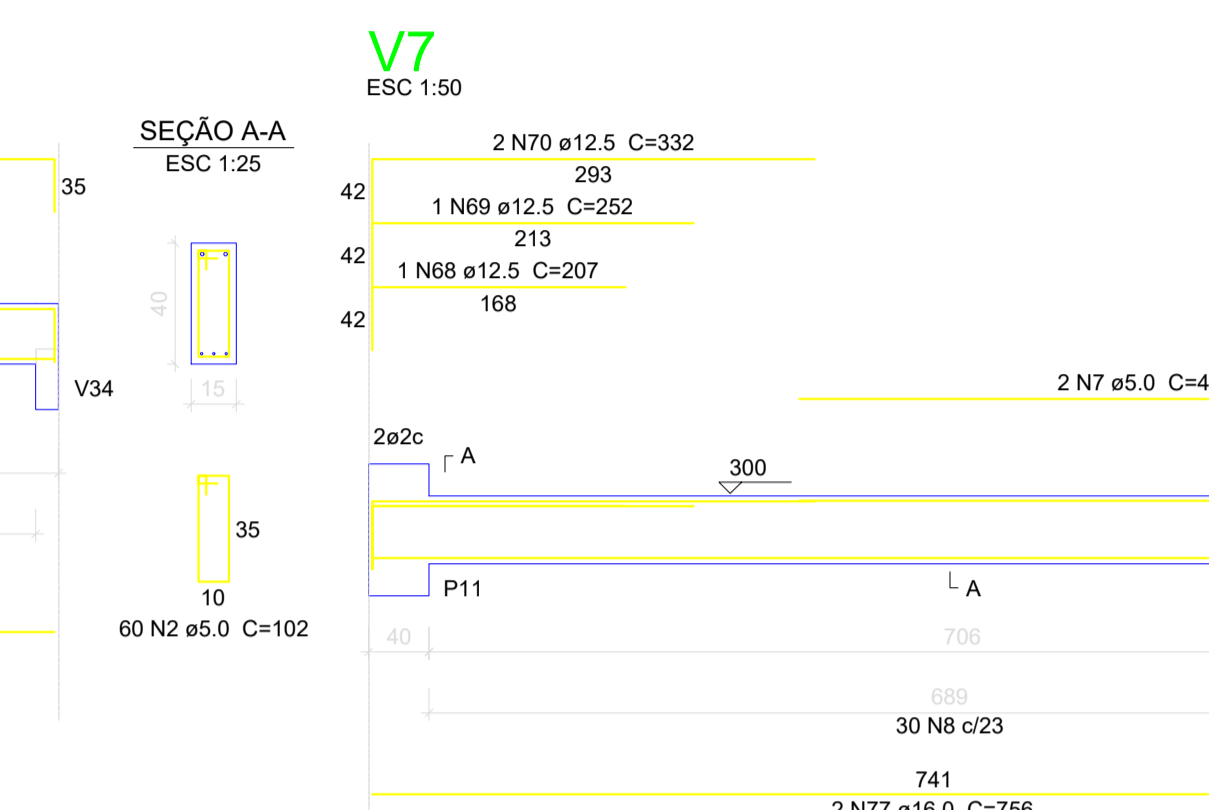
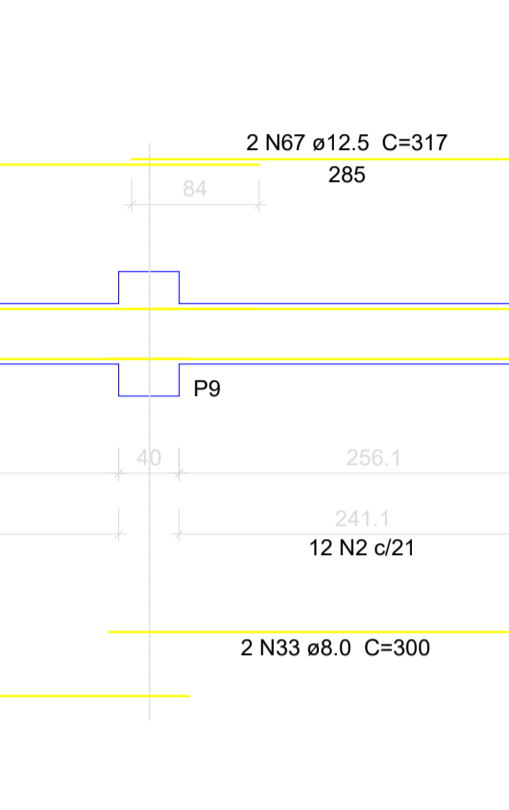
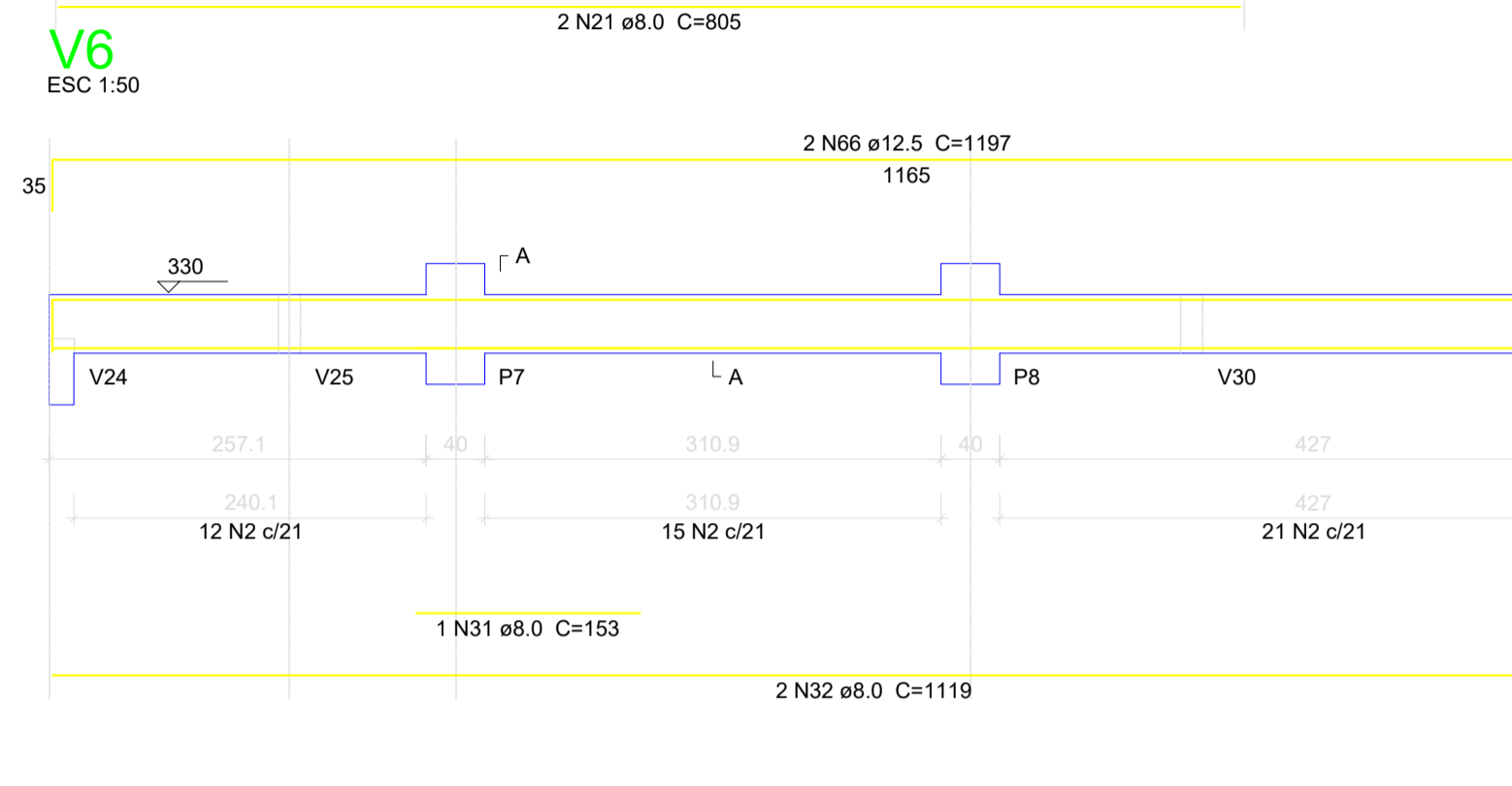
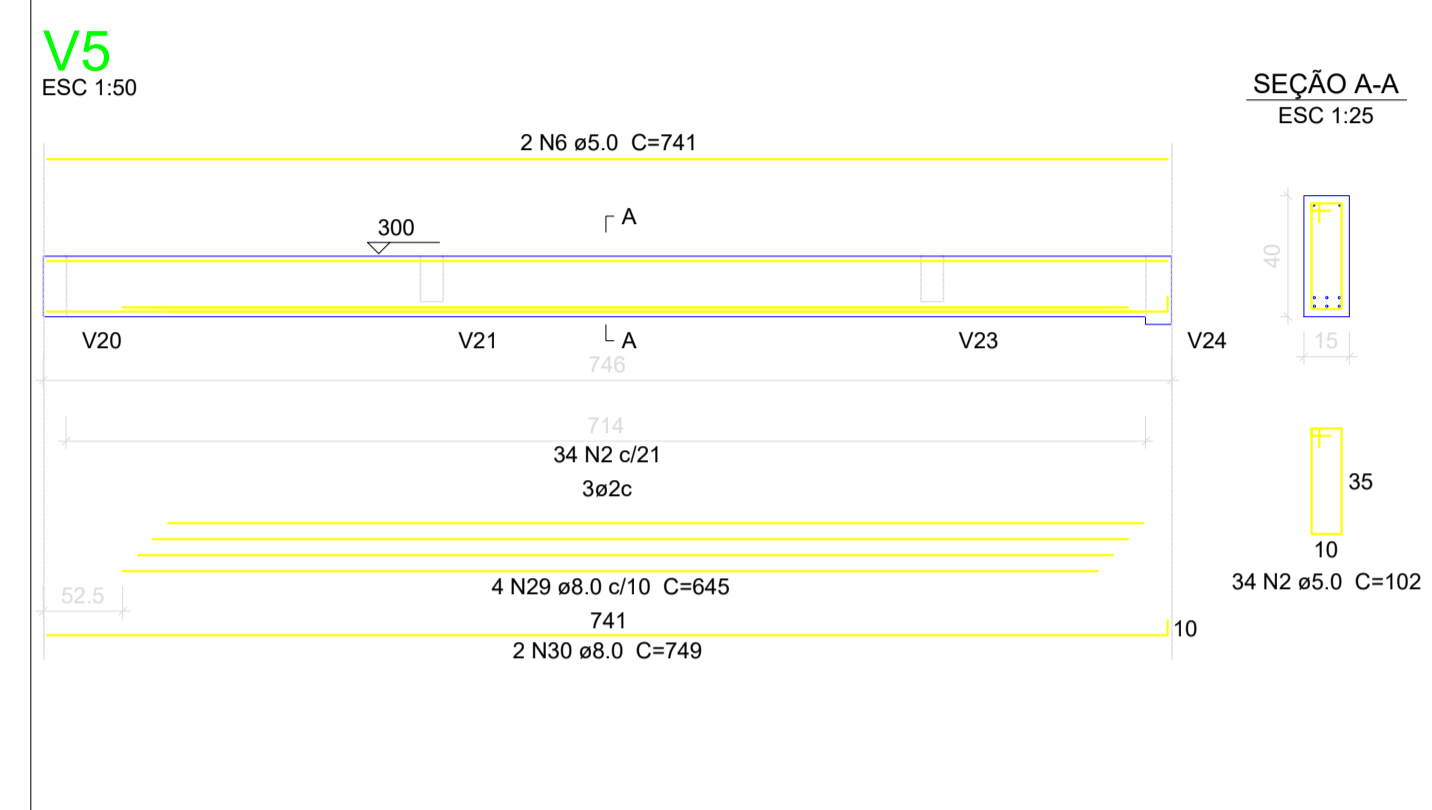
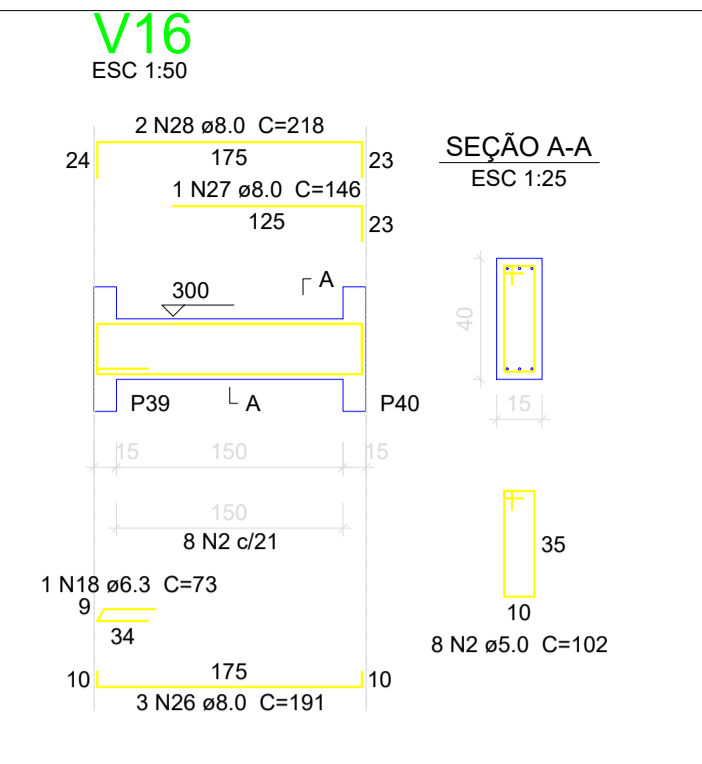
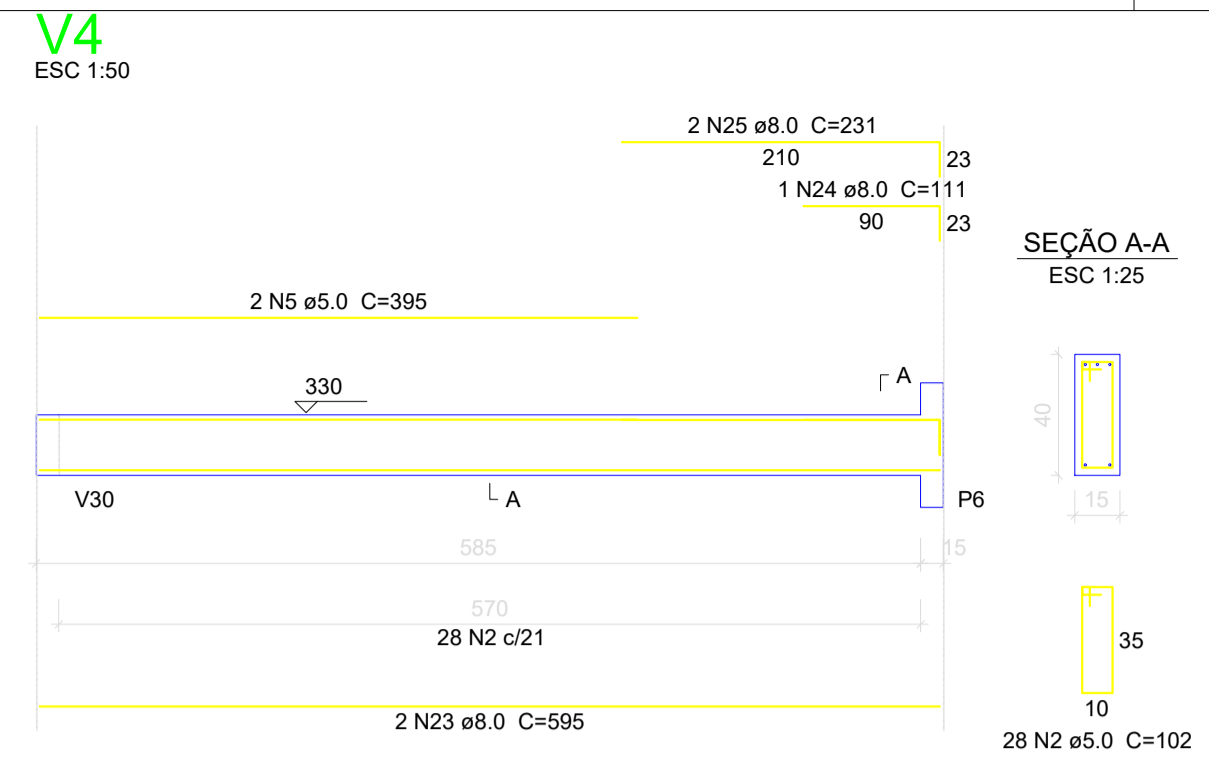
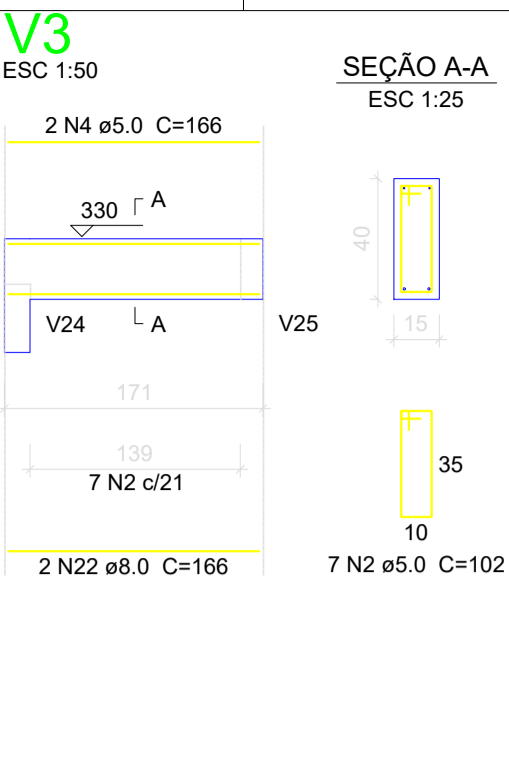
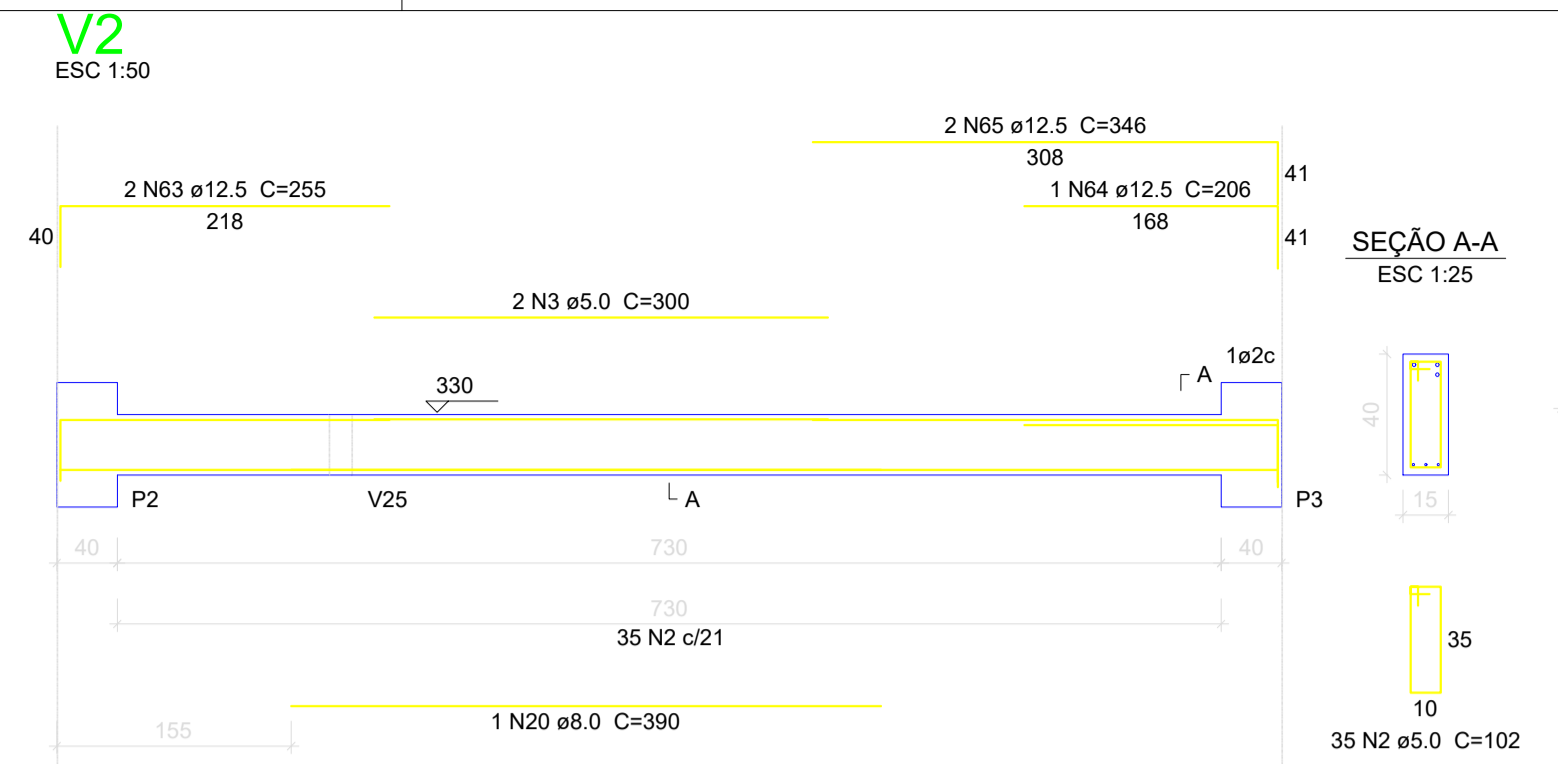
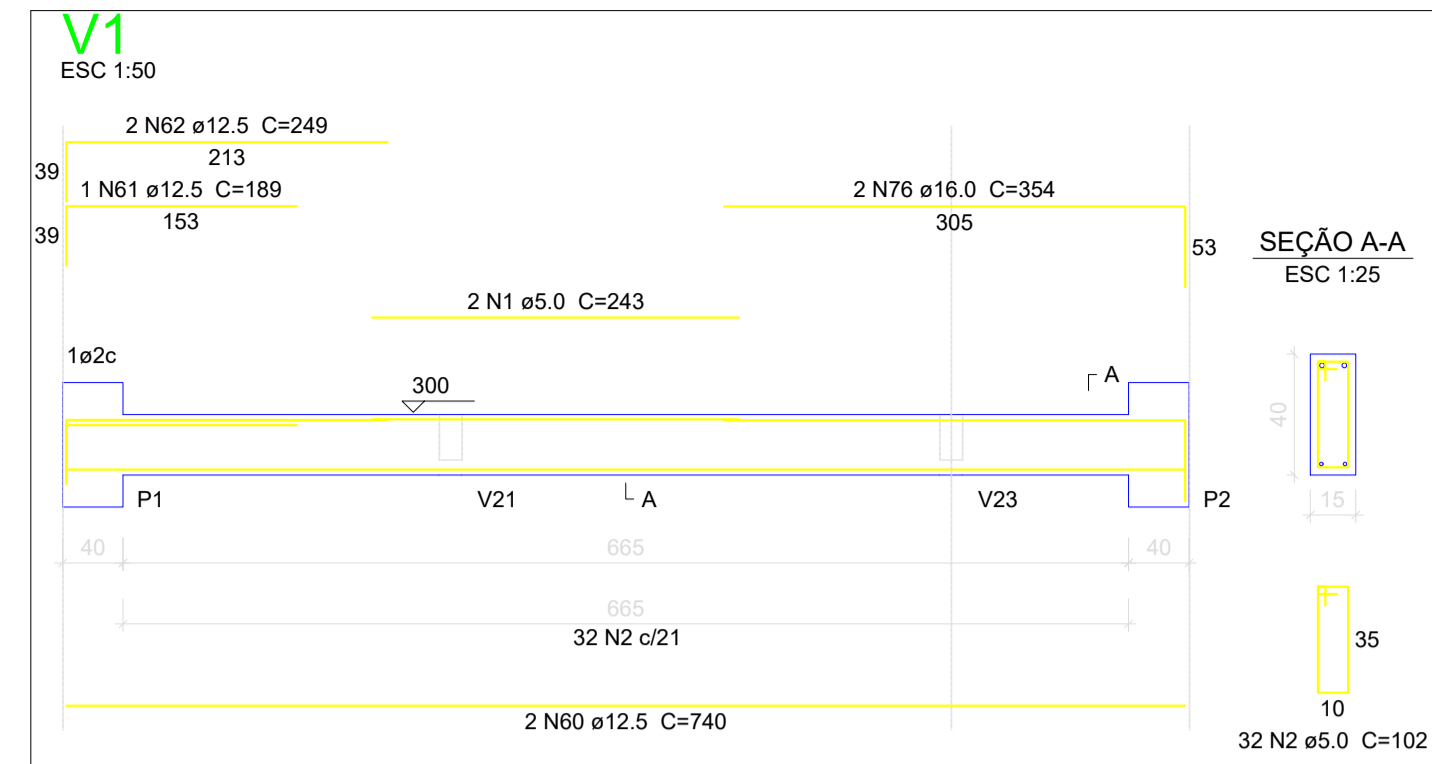
Detalhe H2
escala 1:25

CLIENTE		MUNICÍPIO DE CORREIA PINTO CNPJ 75.432.855/0001-45	
RESP. TÉCNICO	DIEFERSON BRANGER:00897449932	Assinado de forma digital por DIEFERSON BRANGER:00897449932 Dados: 2021.11.18 08:54:34 -03'00'	
PROJETO			
CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.			
DISCRIMINAÇÃO DO DESENHO		ESCALA	APROV. ARG.
DETALHE H2		INDICADAS	PRANCHA
		DESENHO	CONF.
		MARCOS B.	
		DATA	
		ESCALA	APROV. ARG.
		INDICADAS	
		PRANCHA	
		HIDRO 03/04	



Detalhe H3
escala 1:50

CLIENTE		MUNICÍPIO DE CORREIA PINTO CNPJ 75.433.855/0001-45	
RESP. TÉCNICO	DIEFERSON BRANGER:00897449932	Assinado de forma digital por DIEFERSON BRANGER:00897449932 Dados: 2021.11.18 08:55:39 -03'00'	B CONSTRUTORA BRANGER
PROJETO			
PROJETO HIDRAULICO			
CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.		DESENHO MARCOS B.	CONF.
DISCRIMINAÇÃO DO DESENHO DETALHE H3.		ESCALA INDICADAS	APROV. ARC.
		PRANCHA	HIDRO. 04/04



Relação de aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	2	243	486
	2	5.0	410	102	41820
	3	5.0	2	300	600
	4	5.0	2	166	332
	5	5.0	2	365	730
	6	5.0	2	741	1482
	7	5.0	2	459	918
	8	5.0	30	112	3360
	9	5.0	6	494	2964
	10	5.0	2	302	604
	11	5.0	2	479	958
	12	5.0	2	414	828
	13	5.0	2	473	946
	14	5.0	63	122	7686
	15	5.0	33	82	2706
	16	5.0	2	265	530
	17	5.0	2	295	590
	18	6.3	2	73	146
	19	6.3	3	123	369
	20	8.0	1	390	390
	21	8.0	2	805	1610
	22	8.0	2	166	332
	23	8.0	2	595	1190
	24	8.0	1	111	111
	25	8.0	2	231	462
	26	8.0	3	191	573
	27	8.0	1	146	146
	28	8.0	2	218	436
	29	8.0	4	645	2580
	30	8.0	2	749	1498
	31	8.0	1	153	153
	32	8.0	2	1119	2238
	33	8.0	2	300	600
	34	8.0	3	674	2022
	35	8.0	4	673	2692
	36	8.0	1	135	135
	37	8.0	2	214	428
	38	8.0	2	265	530
	39	8.0	4	295	1180
	40	8.0	4	210	840
	41	8.0	4	254	1016
	42	8.0	2	163	326
	43	8.0	2	199	398
	44	8.0	2	353	706
	45	10.0	3	443	1329
	46	10.0	3	751	2253
	47	10.0	2	525	1050
	48	10.0	2	199	398
	49	10.0	2	264	528
	50	10.0	3	265	795
	51	10.0	1	295	295
	52	10.0	3	370	1110
	53	10.0	1	450	450
	54	10.0	1	405	405
	55	10.0	1	455	455
	56	10.0	2	500	1000
	57	10.0	1	128	128
	58	10.0	3	185	555
	59	10.0	6	292	1752
	60	12.5	2	740	1480
	61	12.5	1	189	189
	62	12.5	2	249	498
	63	12.5	2	255	510
	64	12.5	1	206	206
	65	12.5	2	346	692
	66	12.5	2	1197	2394
	67	12.5	2	317	634
	68	12.5	1	207	207
	69	12.5	1	252	252
	70	12.5	2	332	664
	71	12.5	4	463	1852
	72	12.5	4	753	3012
	73	12.5	2	458	916
	74	12.5	2	765	1530
	75	12.5	2	309	618
	76	16.0	2	354	708
	77	16.0	2	756	1512
	78	16.0	2	273	546
	79	16.0	2	318	636
	80	20.0	4	319	1276
	81	20.0	2	318	636

Resumo de aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	5.2	1.4
	8.0	226	98.1
	10.0	125.1	24.8
	12.5	156.6	165.9
	16.0	34.1	59.1
	20.0	19.2	51.9
CA60	5.0	676	114.6
PESO TOTAL (kg)			
CA50		461.1	
CA60		114.6	

Volume de concreto (C-30) = 7.48 m³
Área de forma = 117.97 m²

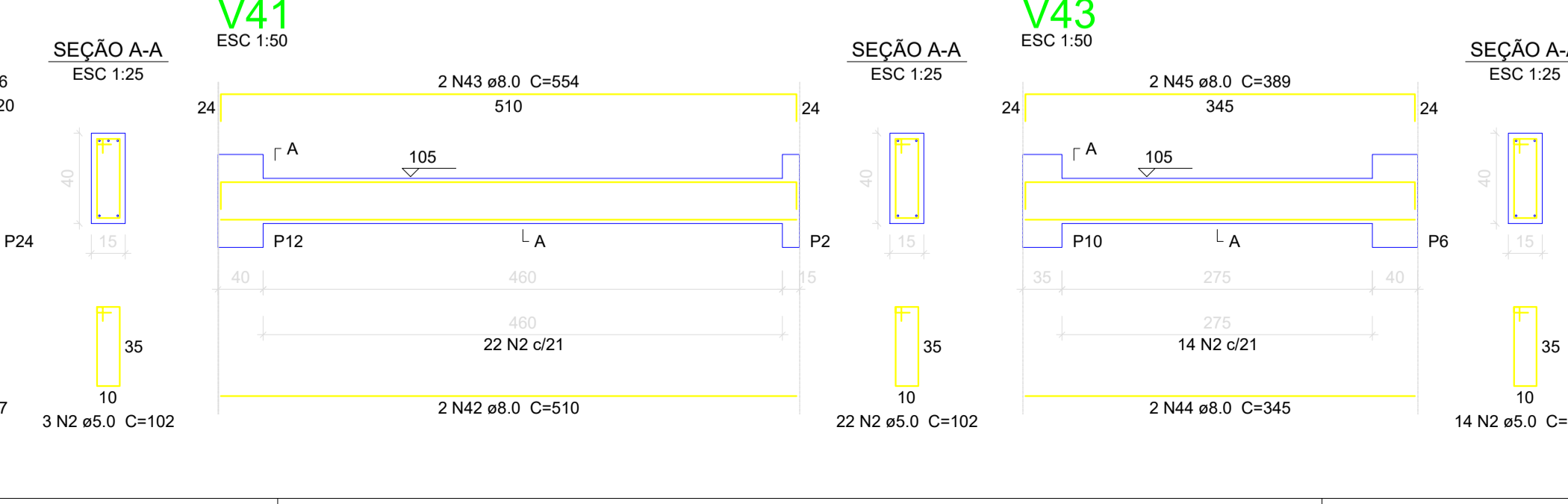
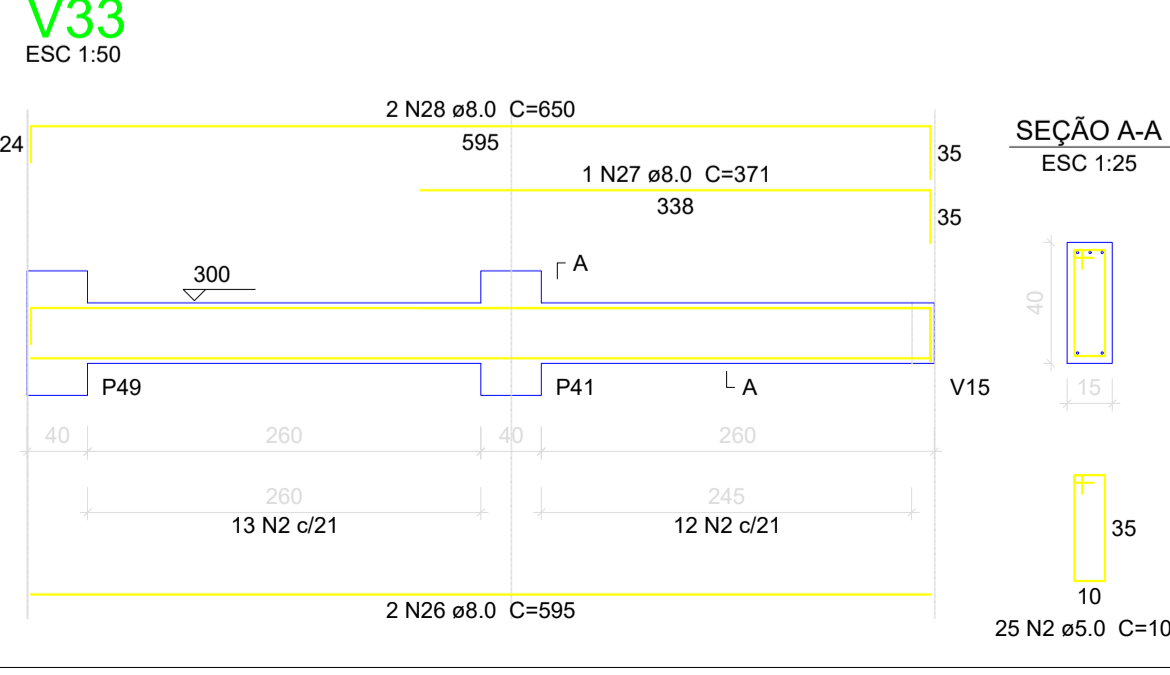
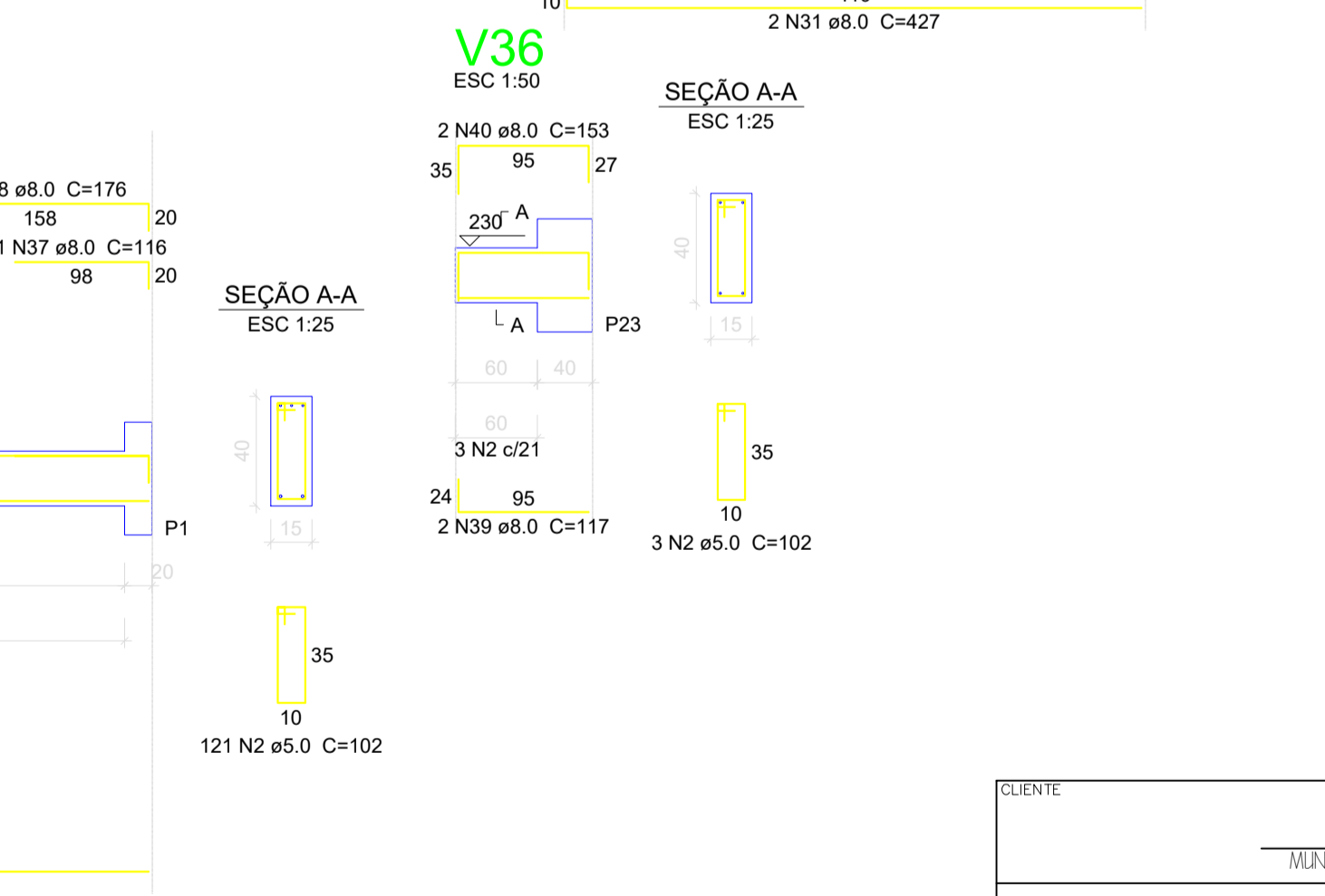
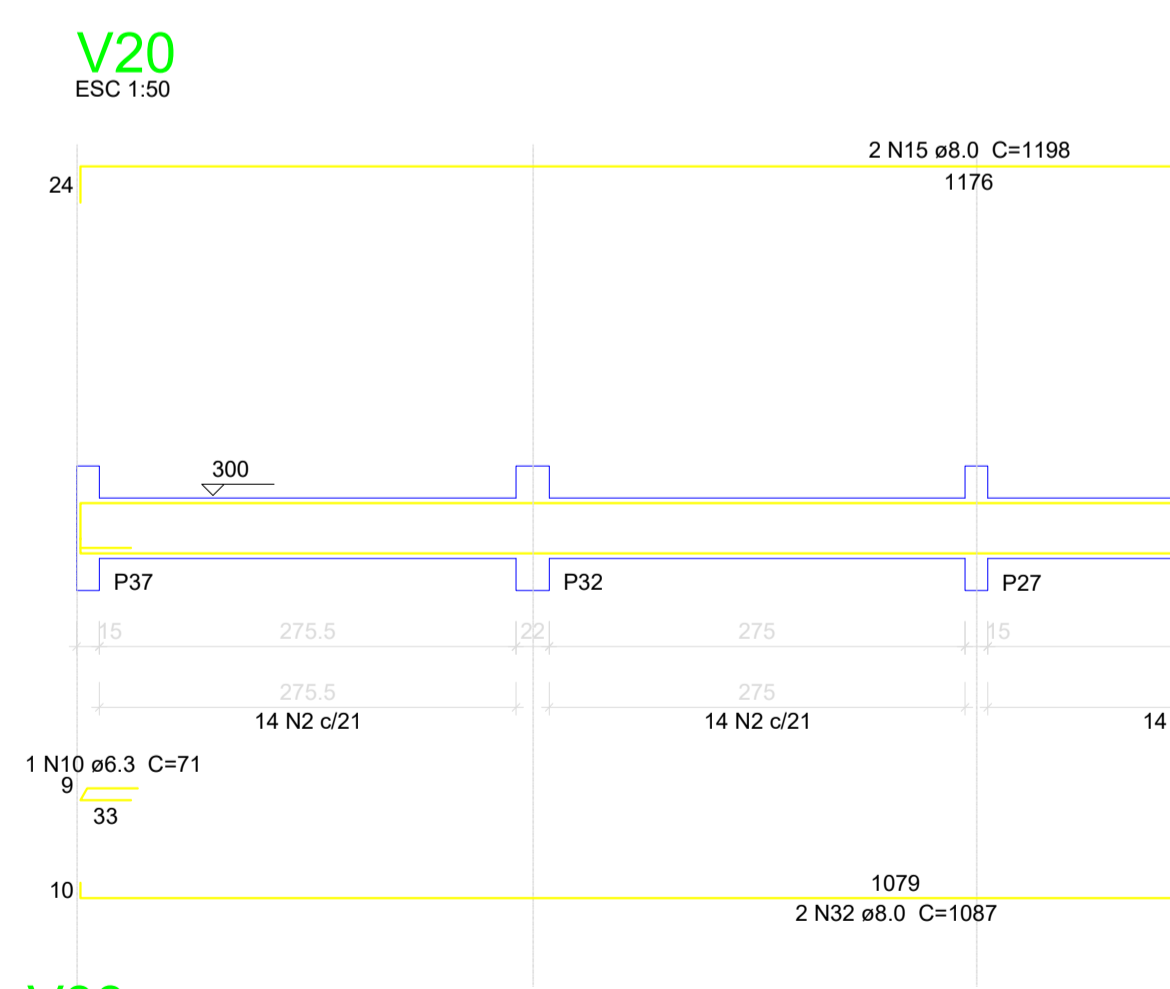
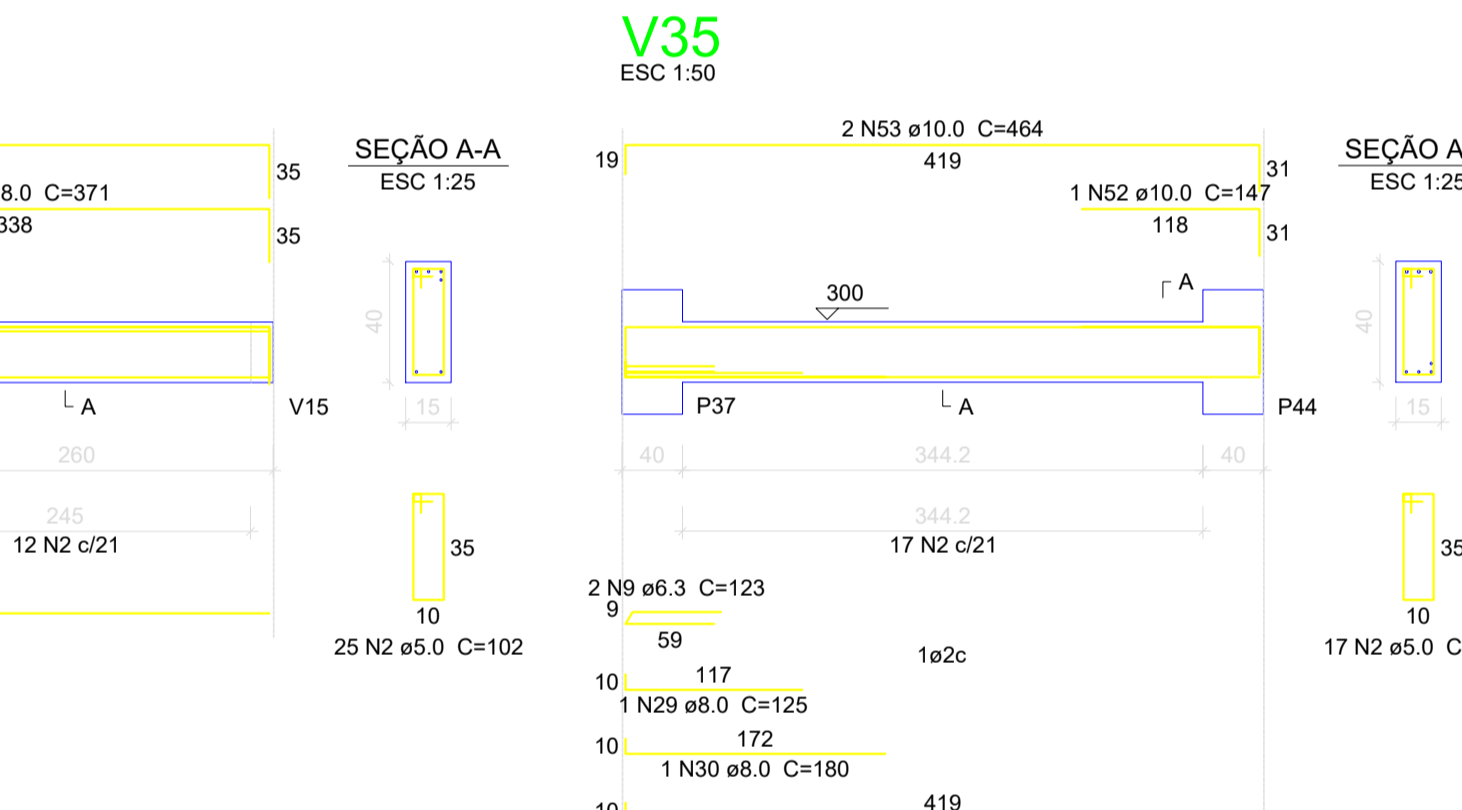
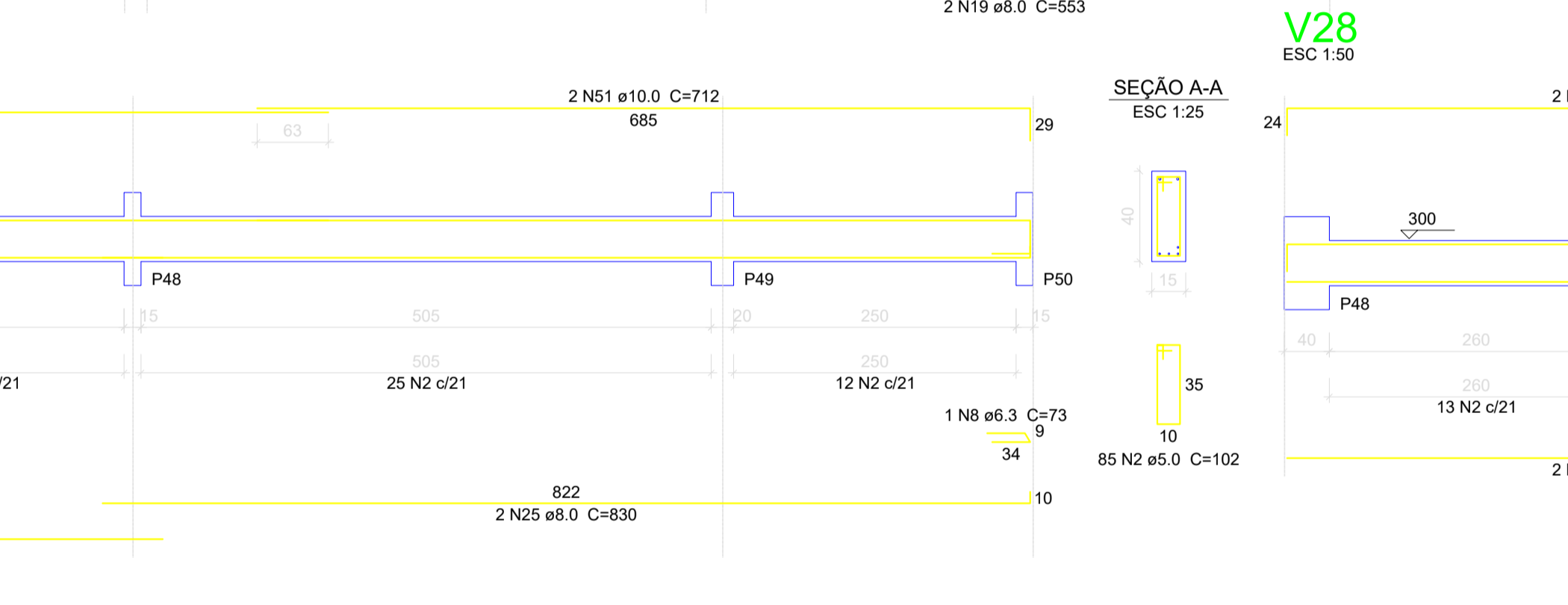
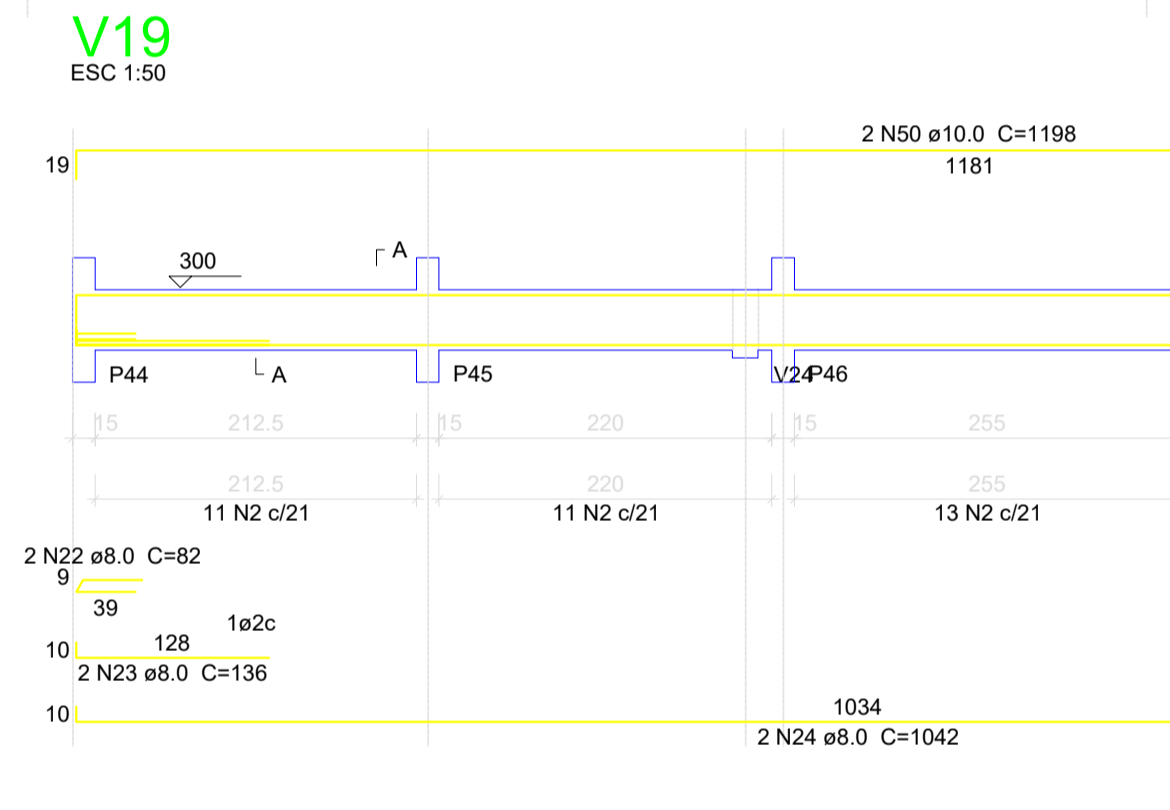
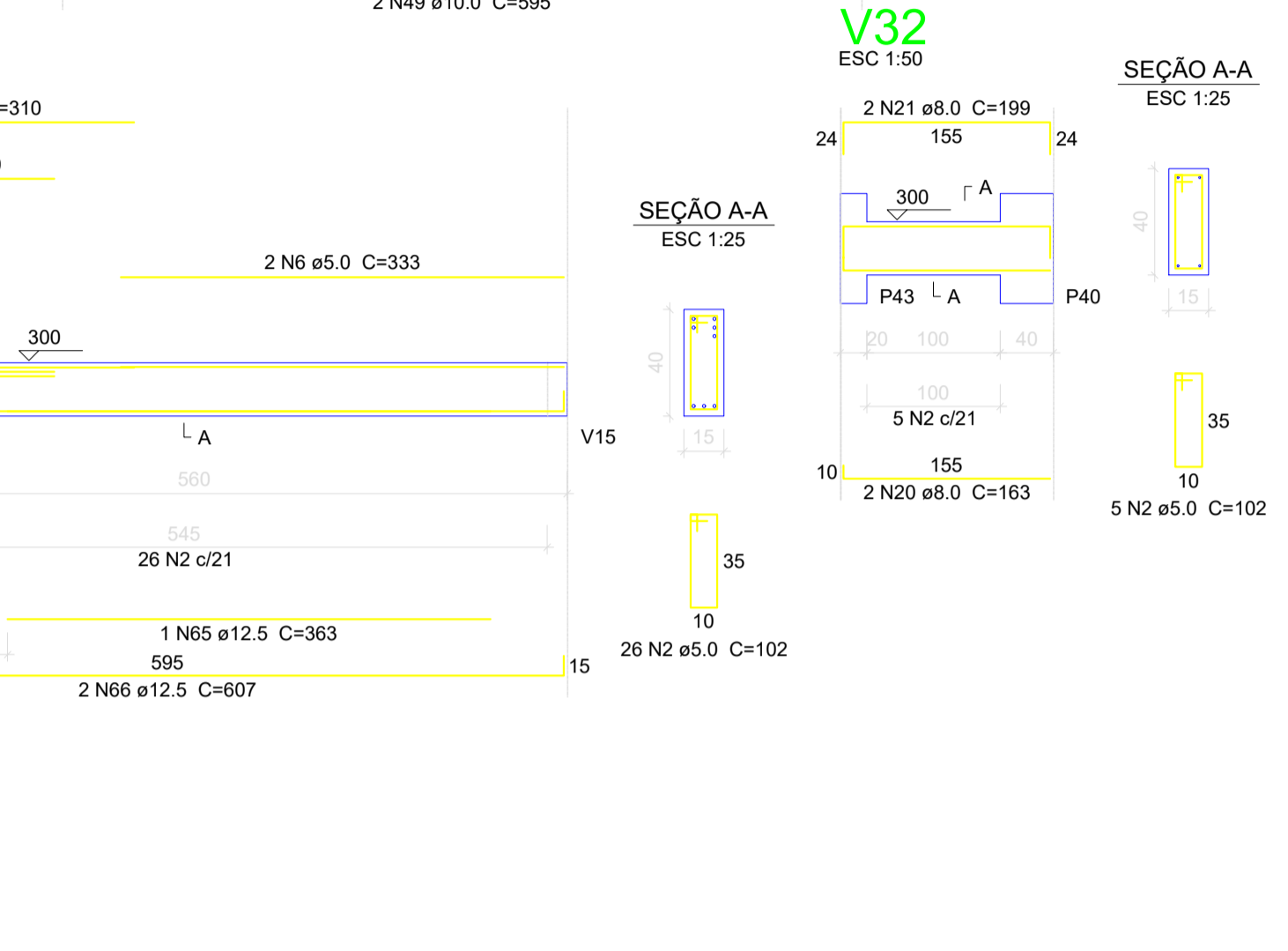
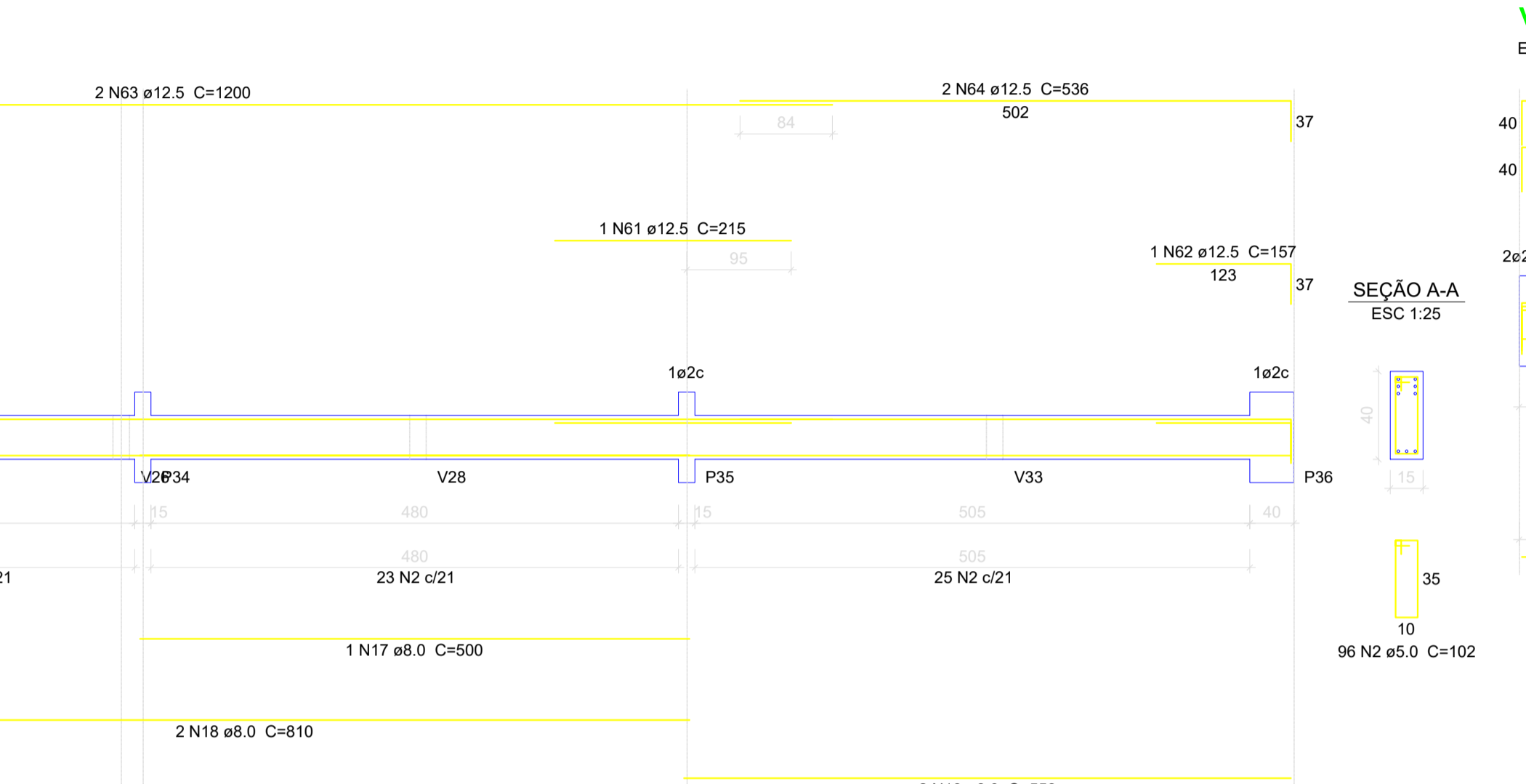
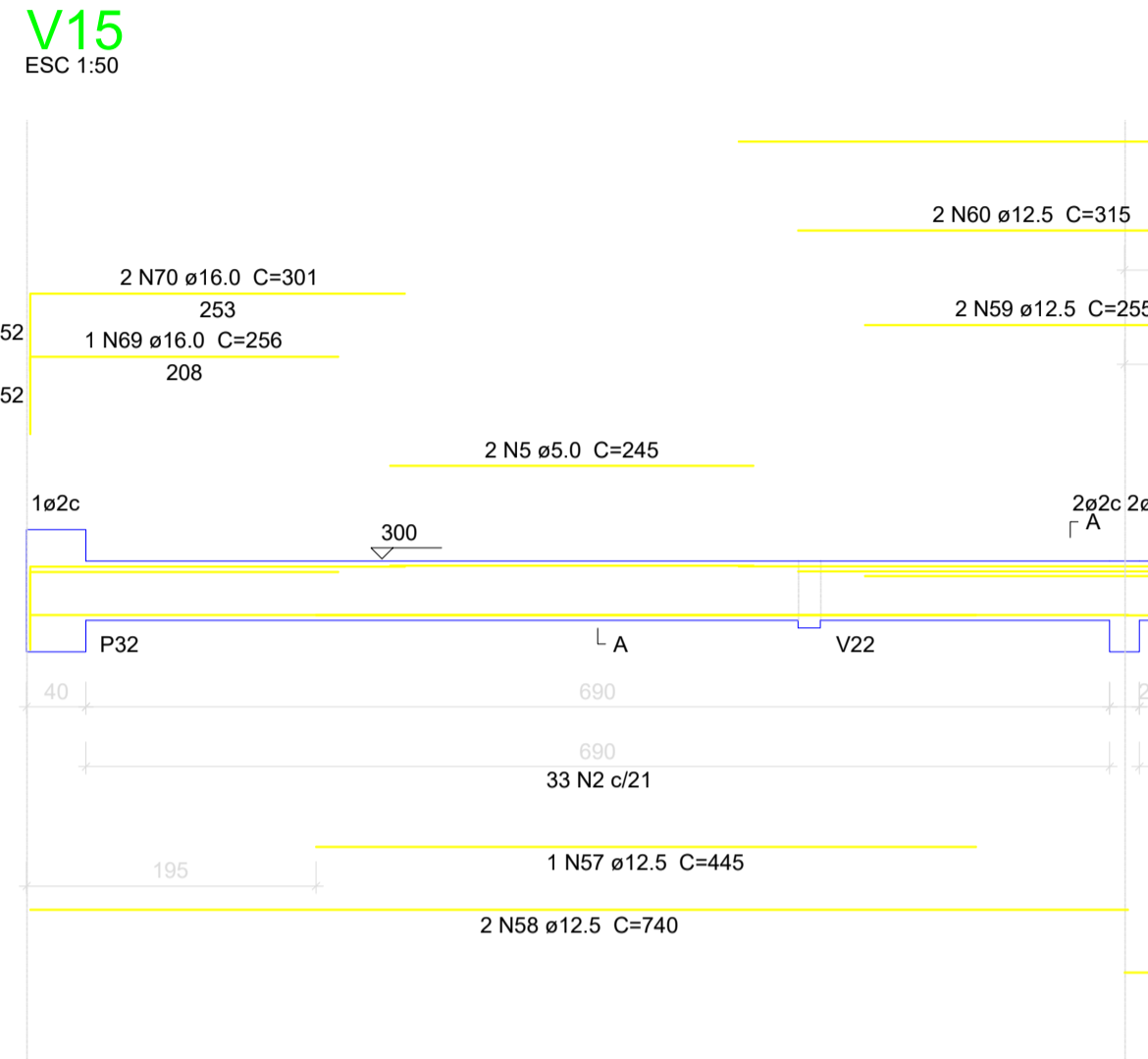
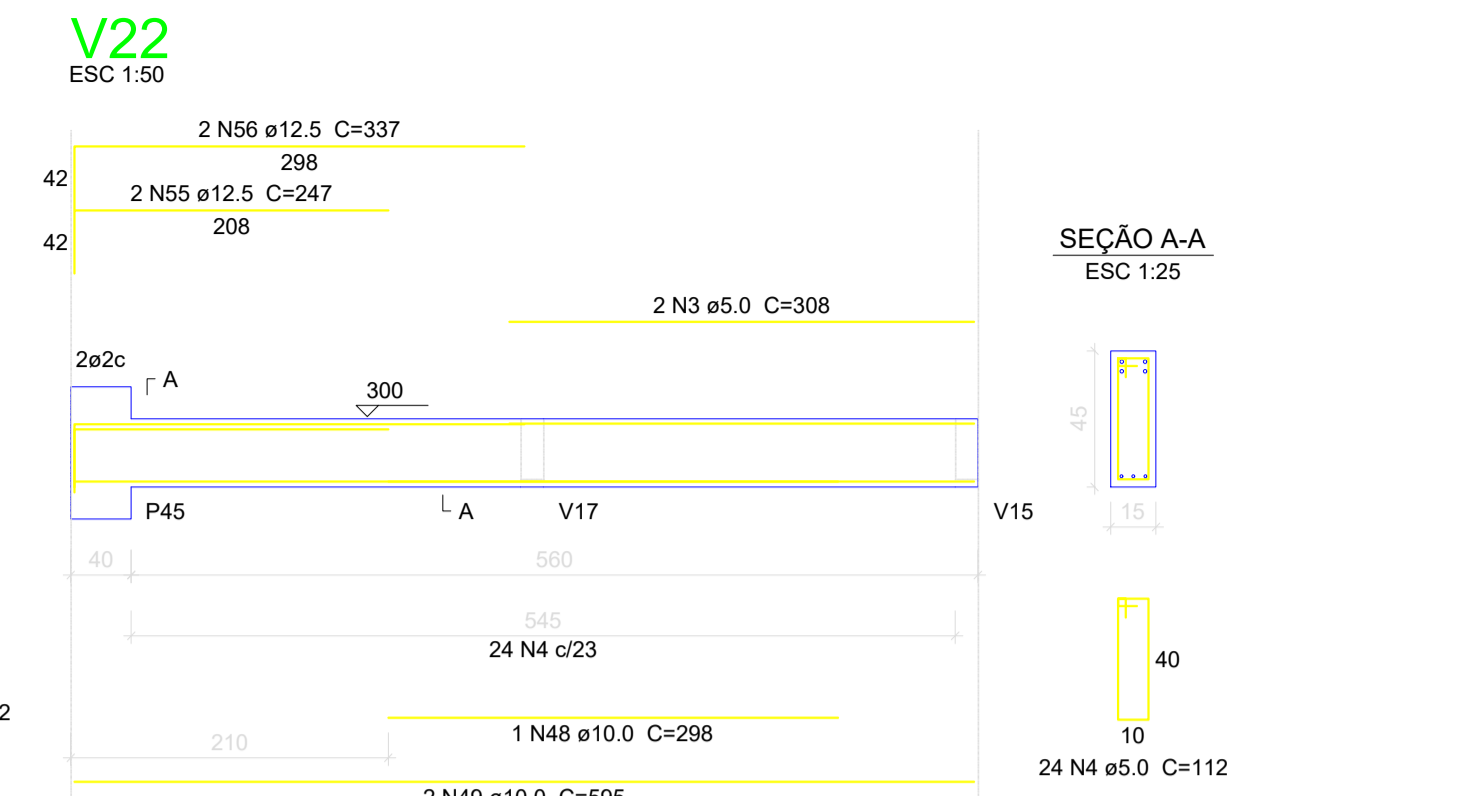
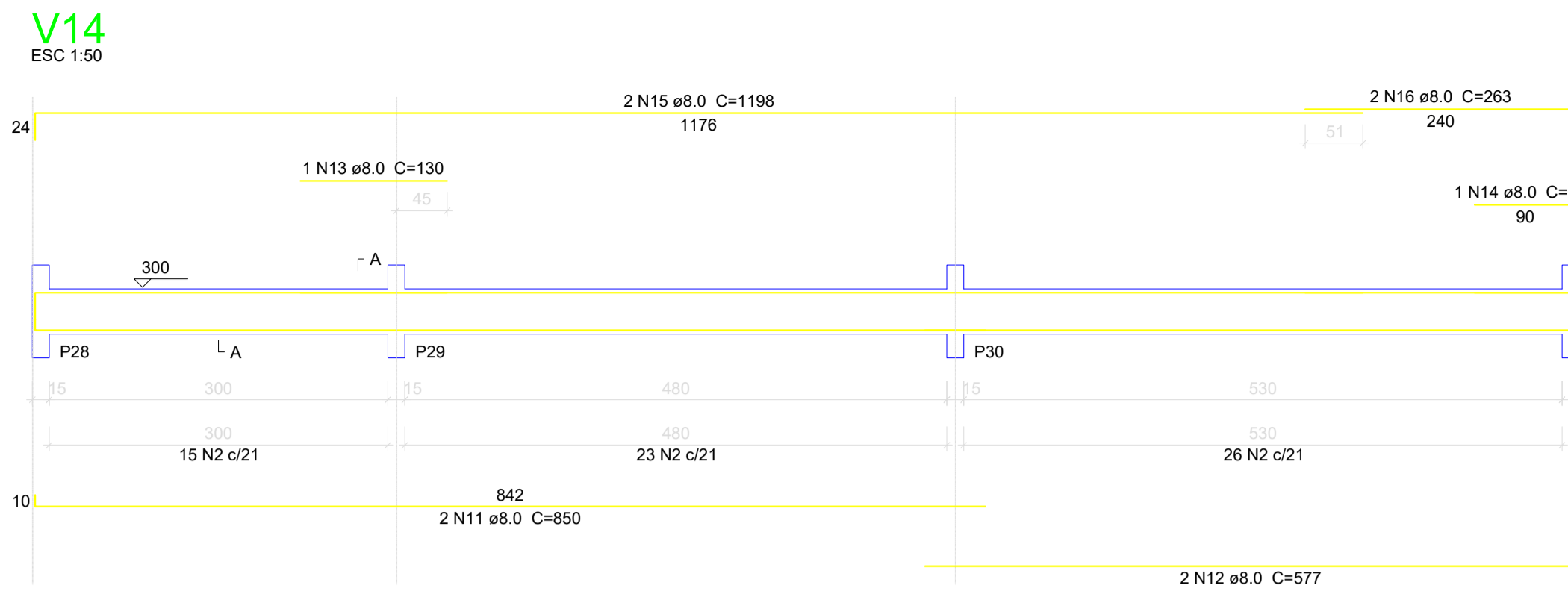
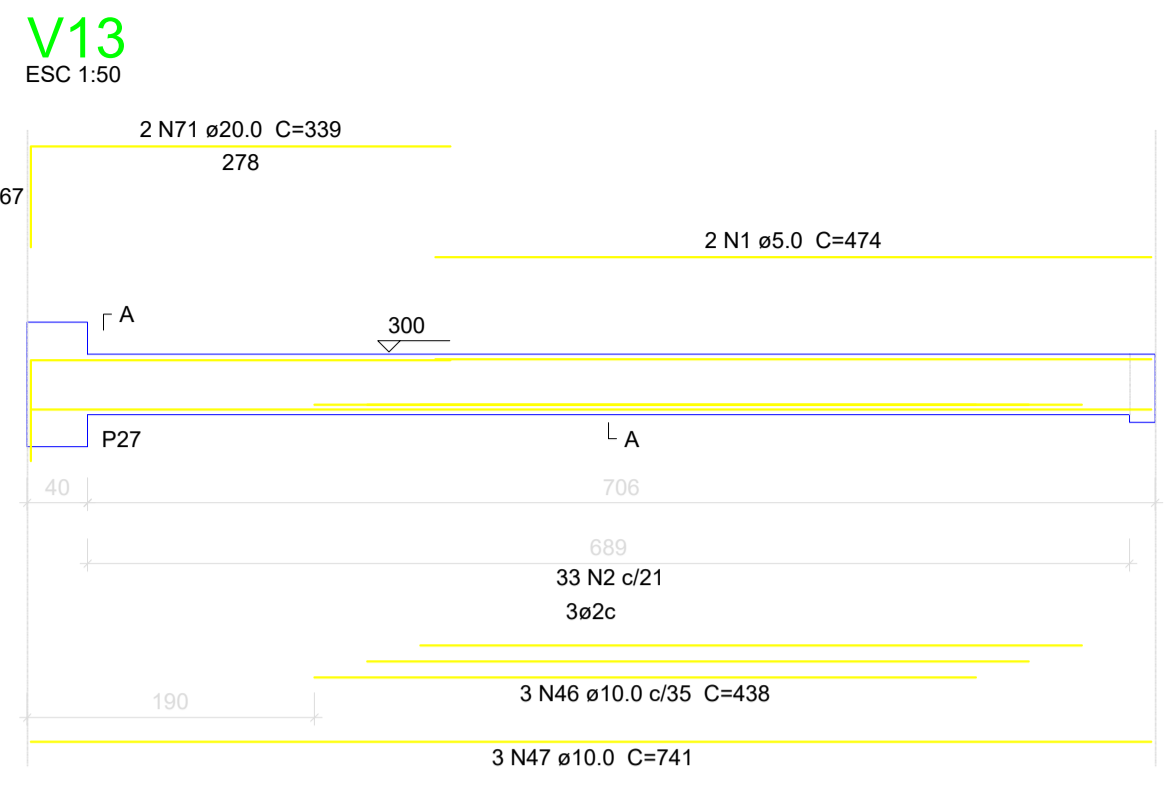
CLIENTE: MUNICÍPIO DE CORREIA PINTO CAPJ 75.438.6957 COCJ-49

RESP. TÉCNICO: DIEFERSON BRANGER00897449932
Assinado de forma digital por DIEFERSON BRANGER00897449932
Dados: 2021.11.18 09:08:18 -03'00'

PROJETO: PROJETO ESTRUTURAL

CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.

DESENHO: MARCOS B. CONF. DATA: ESCALA: INDICADAS APROV. ARG. DATA: EST. 25/50



Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNID (cm)	C.TOTAL (cm)
CA60	1	5.0	2	474	948
	2	5.0	539	102	54978
	3	5.0	3	306	616
	4	5.0	24	112	2688
	5	5.0	2	245	490
	6	5.0	2	333	666
	7	5.0	2	243	486
CA50	8	6.3	1	73	73
	9	6.3	2	123	246
	10	6.3	1	71	71
	11	8.0	2	850	1700
	12	8.0	2	577	1154
	13	8.0	1	130	130
	14	8.0	1	113	113
	15	8.0	4	1198	4792
	16	8.0	2	263	526
	17	8.0	1	500	500
	18	8.0	2	810	1620
	19	8.0	2	553	1106
	20	8.0	2	163	326
	21	8.0	2	199	398
	22	8.0	2	82	164
	23	8.0	2	136	272
	24	8.0	2	1042	2084
	25	8.0	2	830	1660
	26	8.0	4	595	2380
	27	8.0	3	371	1113
	28	8.0	4	650	2600
	29	8.0	1	125	125
	30	8.0	1	180	180
	31	8.0	2	427	854
	32	8.0	2	1087	2174
	33	8.0	2	168	336
	34	8.0	2	879	1758
	35	8.0	1	140	140
	36	8.0	2	1044	2088
	37	8.0	1	116	116
	38	8.0	2	176	352
	39	8.0	4	117	468
	40	8.0	2	153	306
	41	8.0	3	146	438
	42	8.0	2	510	1020
	43	8.0	2	554	1108
	44	8.0	2	345	690
	45	8.0	2	389	778
	46	10.0	3	438	1314
	47	10.0	3	741	2223
	48	10.0	1	298	298
	49	10.0	2	595	1190
	50	10.0	2	1198	2396
	51	10.0	2	712	1424
	52	10.0	1	147	147
	53	10.0	2	464	928
	54	10.0	2	533	1066
	55	12.5	2	247	494
	56	12.5	2	337	674
	57	12.5	1	445	445
	58	12.5	2	740	1480
	59	12.5	2	255	510
	60	12.5	2	315	630
	61	12.5	1	215	215
	62	12.5	1	157	157
	63	12.5	2	1200	2400
	64	12.5	2	536	1072
	65	12.5	1	363	363
	66	12.5	2	607	1214
	67	12.5	3	250	750
	68	12.5	2	310	620
	69	15.0	1	256	256
	70	16.0	2	301	602
	71	20.0	2	339	678

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	3.9	1
	8.0	355.7	154.4
	10.0	109.9	74.5
	12.5	110.3	116.8
	15.0	8.6	14.9
	20.0	6.8	18.4
CA60	5.0	608.8	103.2
PESO TOTAL (kg)			380
CA50			380
CA60			103.2

Volume de concreto (C=30) = 7.62 m³
 Área de forma = 120.59 m²

CLIENTE: MUNICÍPIO DE CORREIA PINTO - PROJ. 75-438-6957 - COCII-46

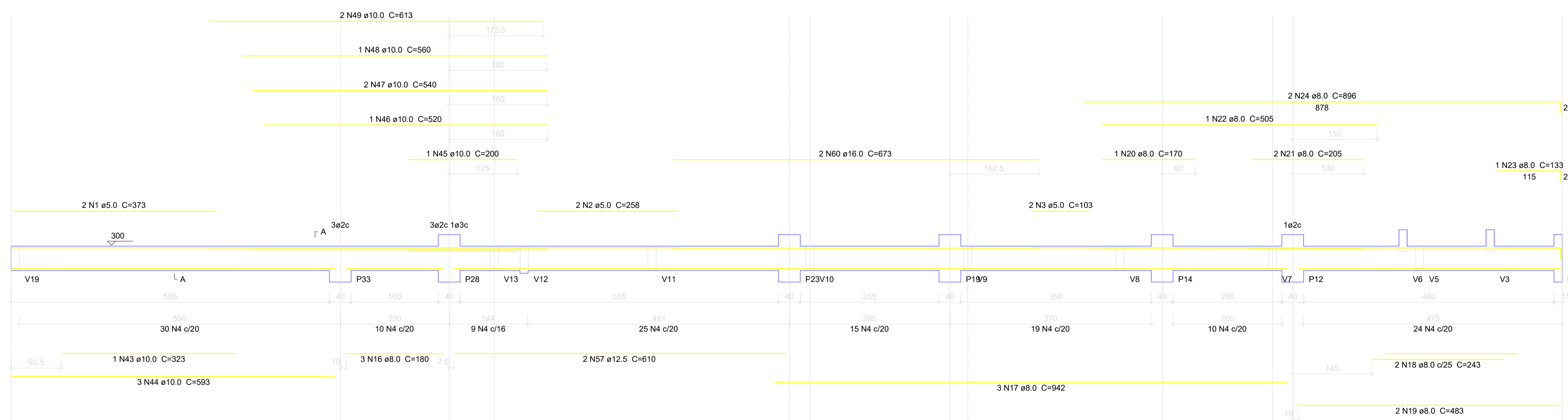
RESP. TÉCNICO: DIEFERSON BRANGER/00897449932
 Assinado de forma digital por DIEFERSON BRANGER/00897449932
 Dados: 2021.11.18 09:20:06 -03'00'

PROJETO: PROJETO ESTRUTURAL

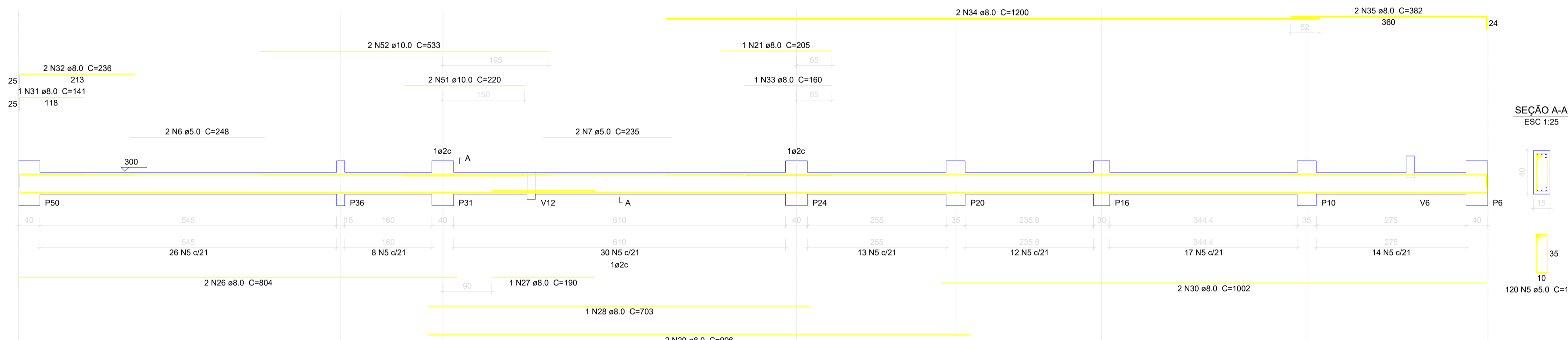
CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.

DESENHO: MARCOS B. CONF. DATA: ESCALA: INDICADAS APROV. ARG. PRANCHA: EST. 26/50

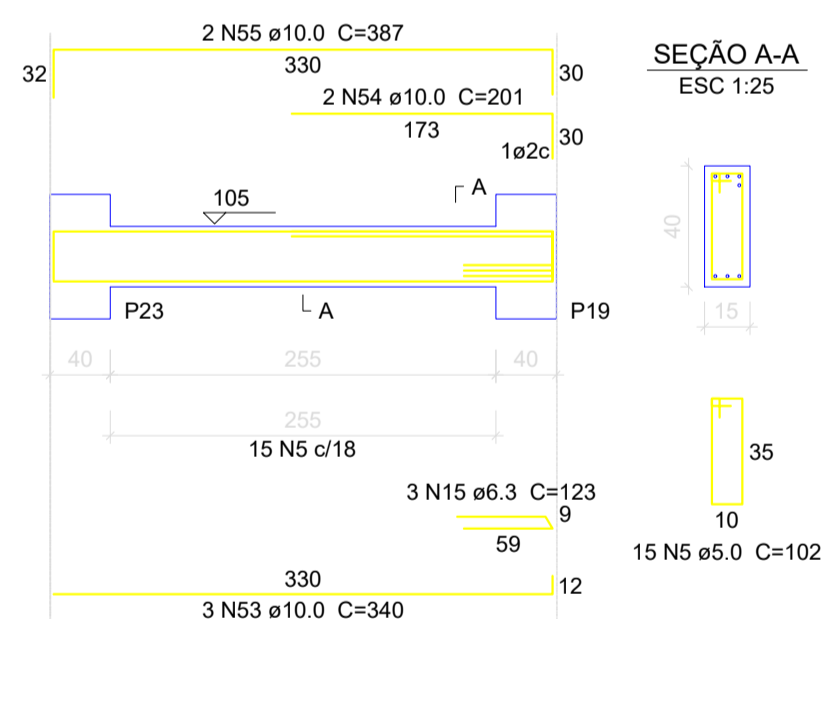
V24
ESC 1:50



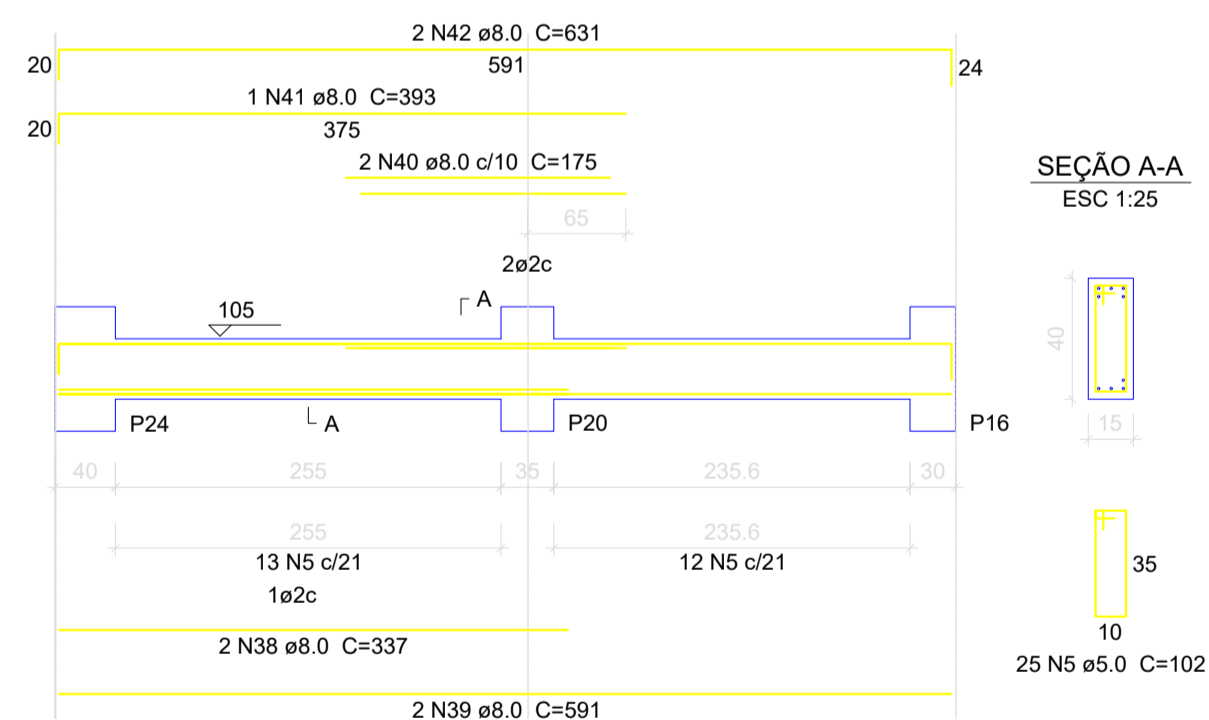
V34
ESC 1:50



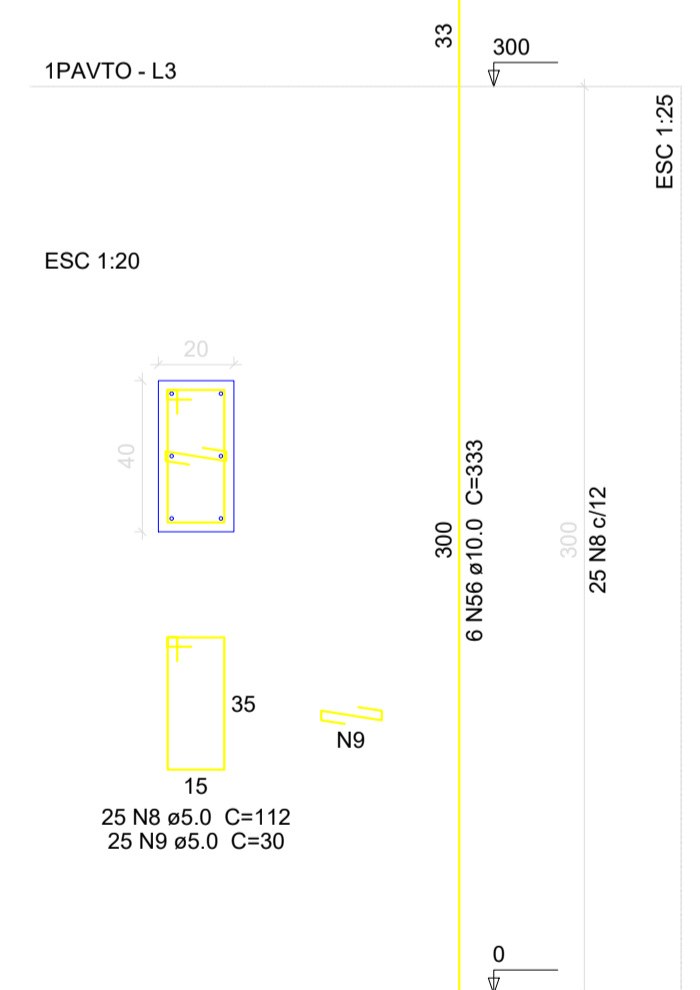
V40
ESC 1:50



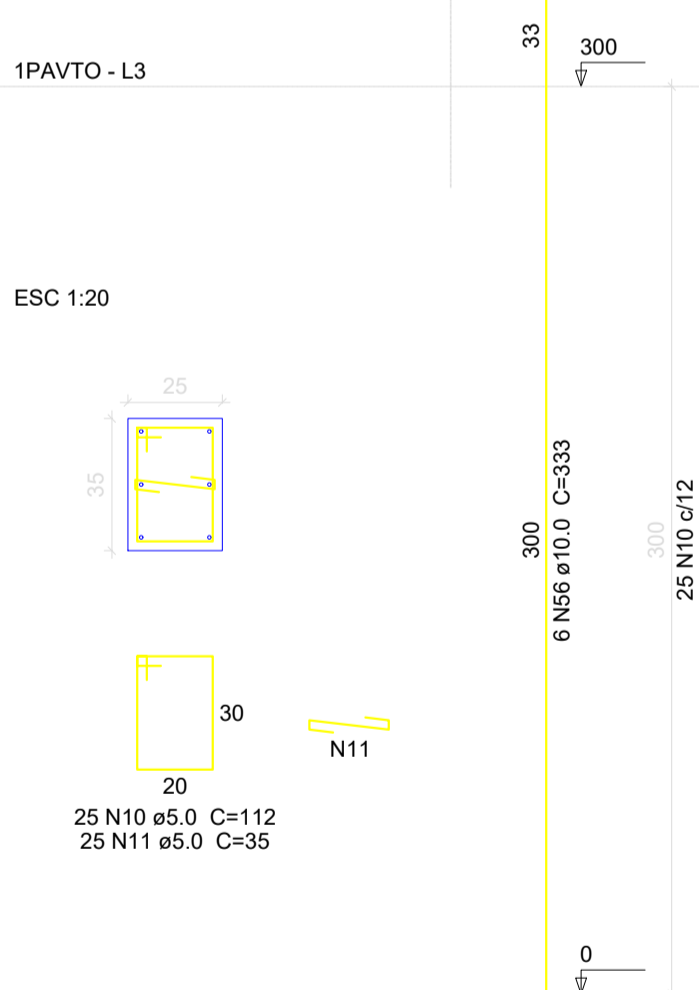
V42
ESC 1:50



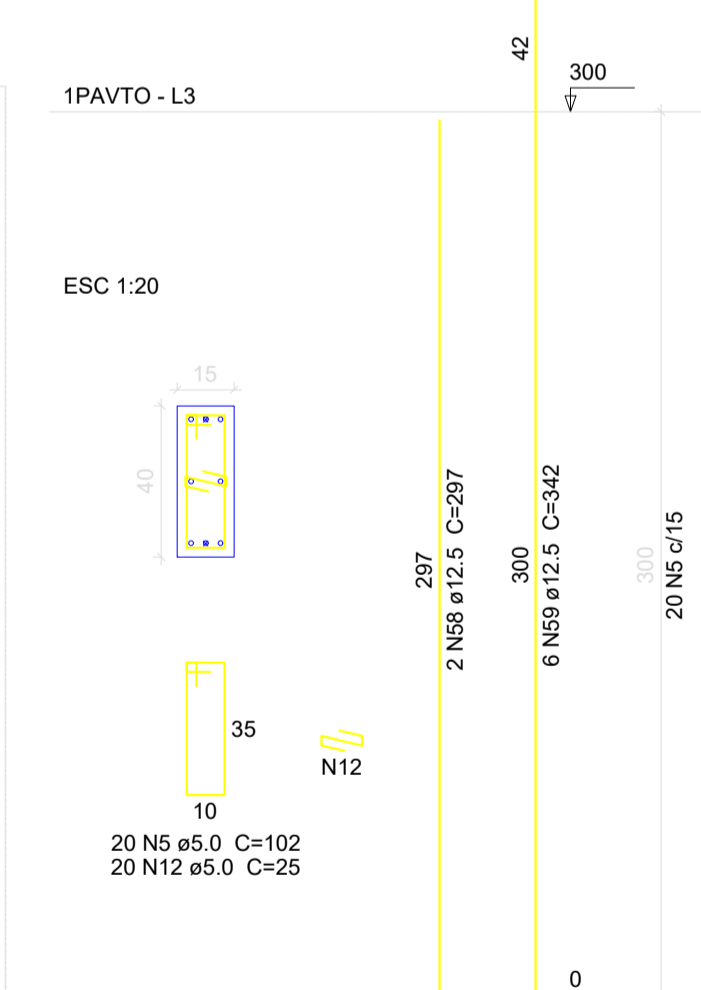
P1=P14=P43=P49



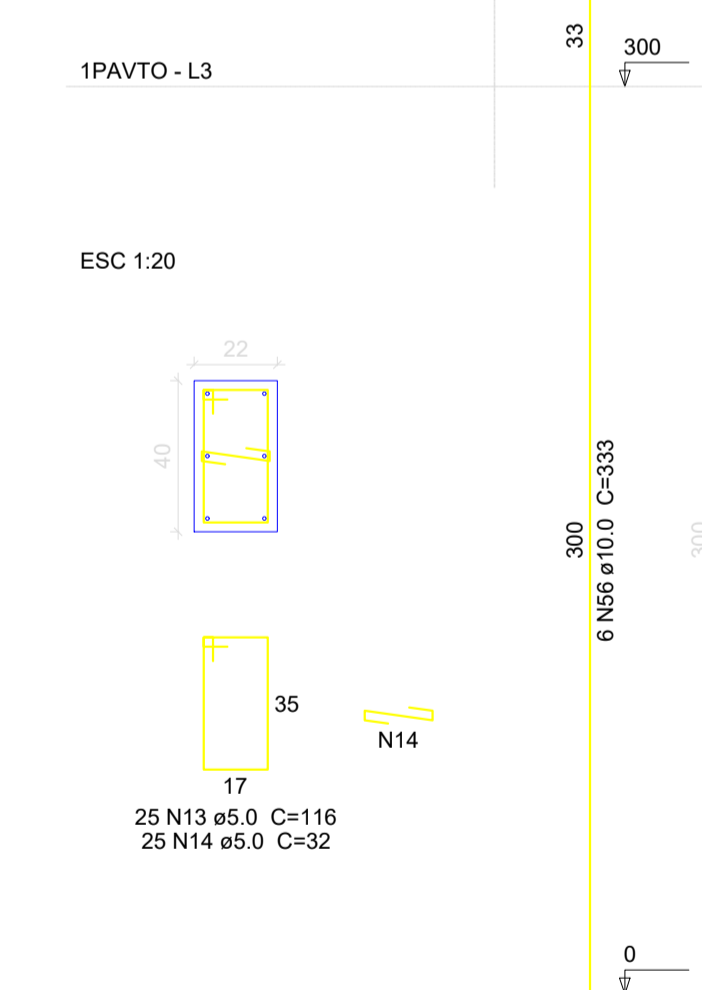
P10



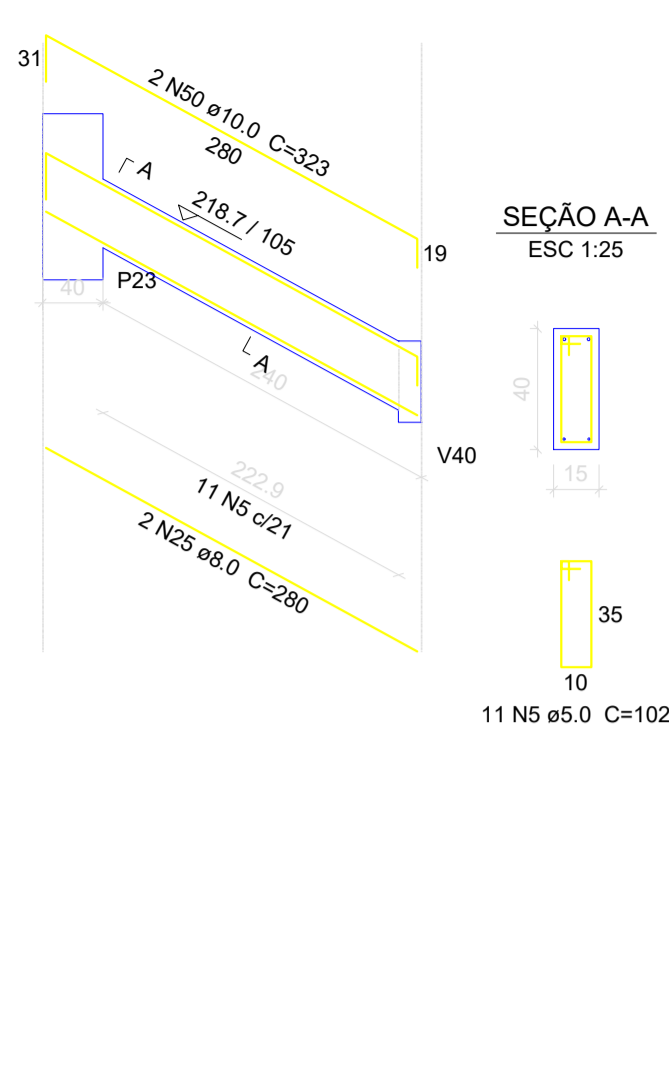
P11



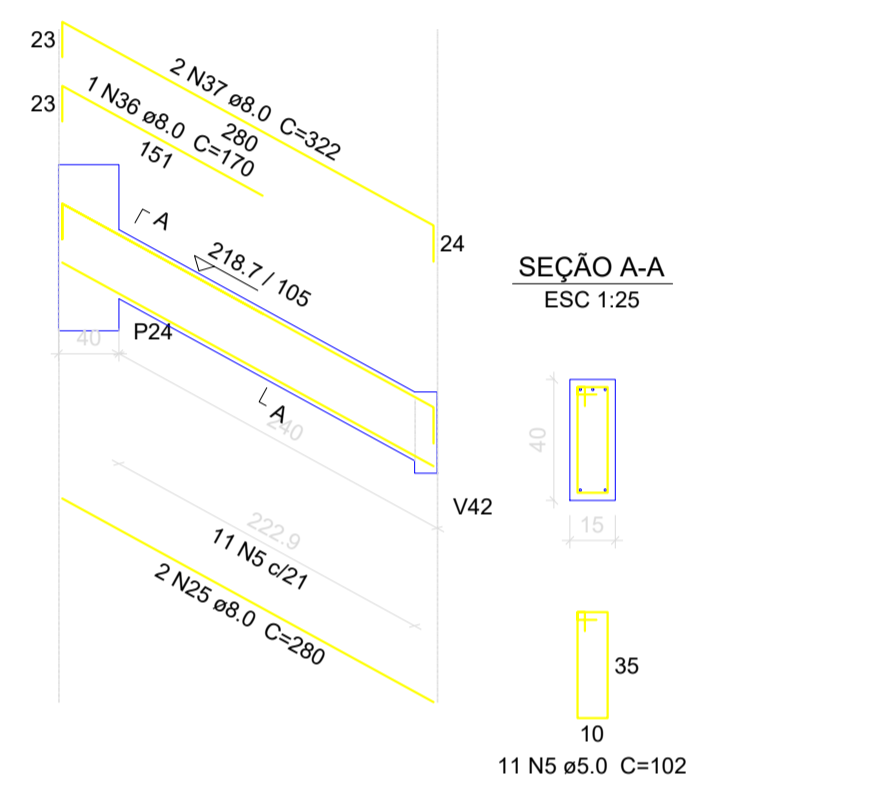
P12



V38
ESC 1:50



V39
ESC 1:50



Relação do aço

4xP1	P10	P11
P12	V24	V34
V38	V39	V40
V42		

ACO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	2	373	746
	2	5.0	2	258	516
	3	5.0	2	103	206
	4	5.0	142	116	16472
	5	5.0	202	102	20604
	6	5.0	2	248	496
	7	5.0	2	235	470
	8	5.0	100	112	11200
	9	5.0	100	30	3000
	10	5.0	25	112	2800
	11	5.0	25	35	875
	12	5.0	20	25	500
	13	5.0	25	116	2900
	14	5.0	25	32	800
CA50	15	6.3	3	123	369
	16	8.0	3	180	540
	17	8.0	3	942	2826
	18	8.0	2	243	486
	19	8.0	2	483	966
	20	8.0	1	170	170
	21	8.0	3	205	615
	22	8.0	1	505	505
	23	8.0	1	133	133
	24	8.0	2	896	1792
	25	8.0	4	280	1120
	26	8.0	2	804	1608
	27	8.0	1	190	190
	28	8.0	1	703	703
	29	8.0	2	996	1992
	30	8.0	2	1002	2004
31	8.0	1	141	141	
32	8.0	2	236	472	
33	8.0	1	160	160	
34	8.0	2	1200	2400	
35	8.0	2	382	764	
36	8.0	1	170	170	
37	8.0	2	322	644	
38	8.0	2	357	674	
39	8.0	2	591	1182	
40	8.0	2	175	350	
41	8.0	1	393	393	
42	8.0	2	631	1262	
43	10.0	1	323	323	
44	10.0	3	593	1779	
45	10.0	1	200	200	
46	10.0	1	520	520	
47	10.0	2	540	1080	
48	10.0	1	560	560	
49	10.0	2	613	1226	
50	10.0	2	323	646	
51	10.0	2	220	440	
52	10.0	2	533	1066	
53	10.0	3	340	1020	
54	10.0	2	201	402	
55	10.0	2	387	774	
56	10.0	36	333	11988	
57	12.5	2	610	1220	
58	12.5	2	297	594	
59	12.5	6	342	2052	
60	16.0	2	673	1346	

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	3.7	1
CA60	8.0	242.7	105.3
	10.0	220.3	149.4
	12.5	38.7	41
	16.0	13.5	23.4
PESO TOTAL (kg)		5.0	104.4
CA50	320		
CA60	104.4		

Volume de concreto (C-30) = 6.33 m³
Área de forma = 94.76 m²

CLIENTE: MUNICÍPIO DE CORREIA PINTO CAPJ 75.438.6957 COCJ-45

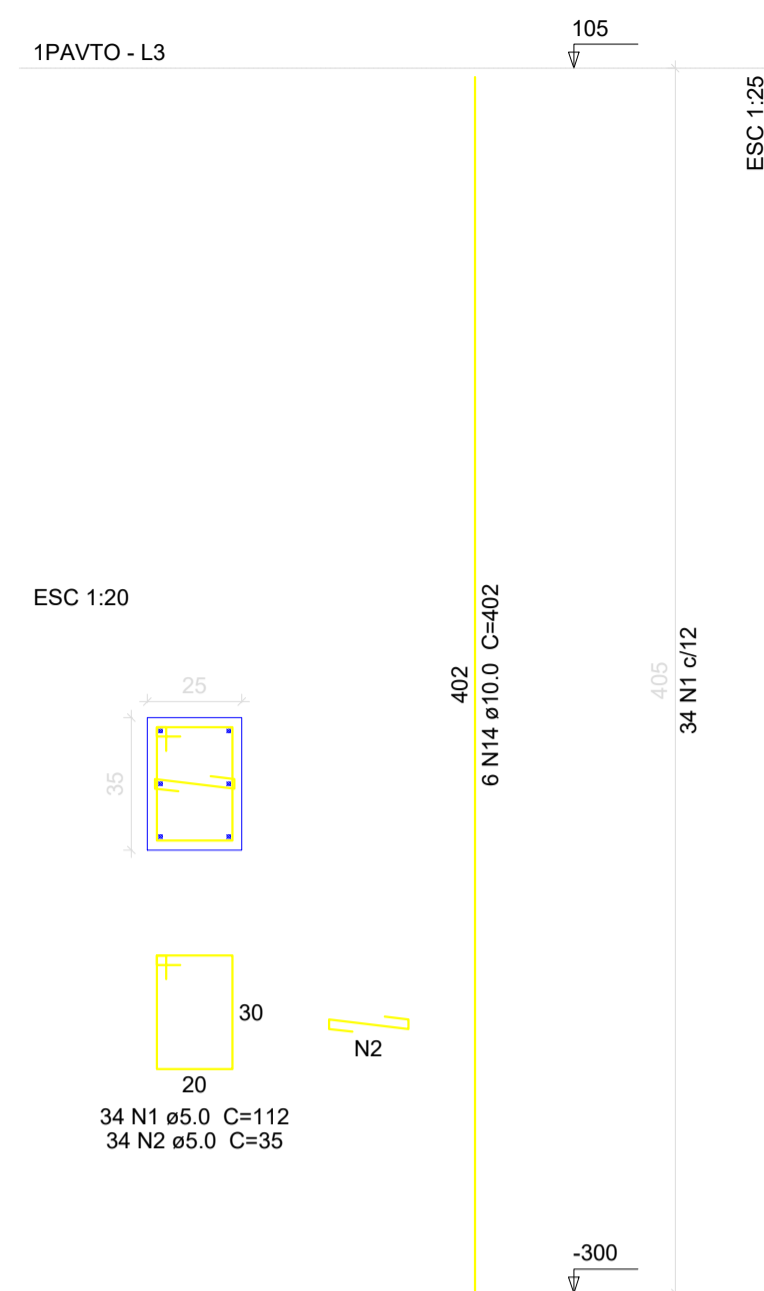
RESP. TÉCNICO: DIEFERSON BRANGER00897449932
Assinado de forma digital por DIEFERSON BRANGER00897449932
Dados: 2021.11.18 09:21:12 -03'00'

PROJETO: PROJETO ESTRUTURAL

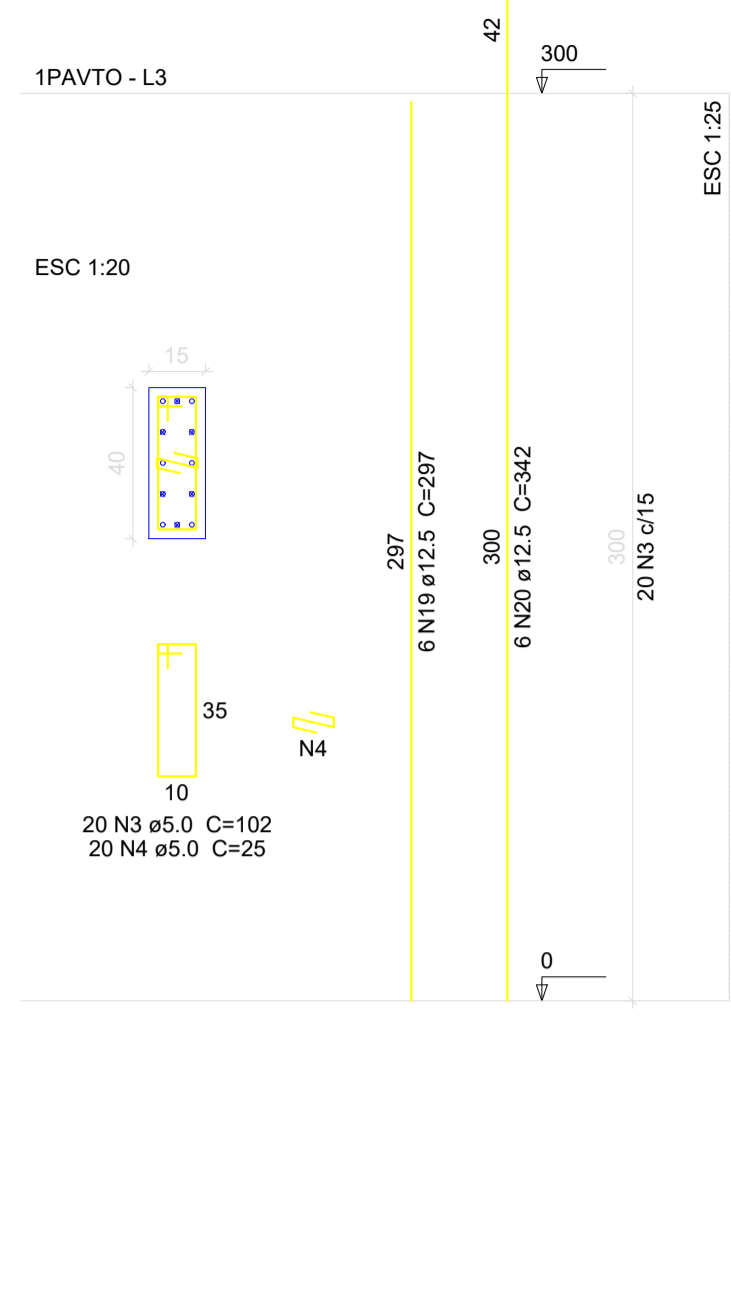
CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.

DESENHO: MARCOS B. CONF. DATA: ESCALA: INDICADAS APROV. ARG. PRANCHA: EST. 27/50

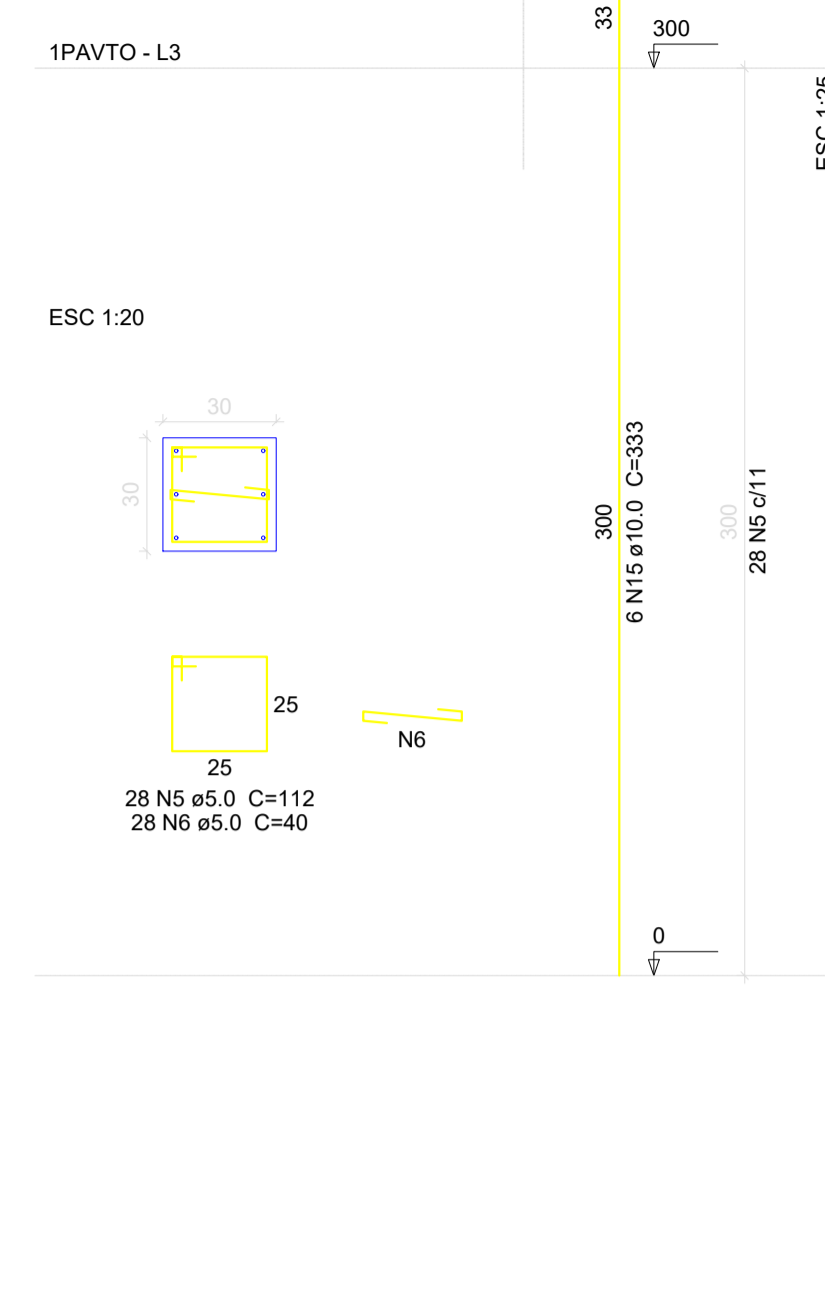
P13



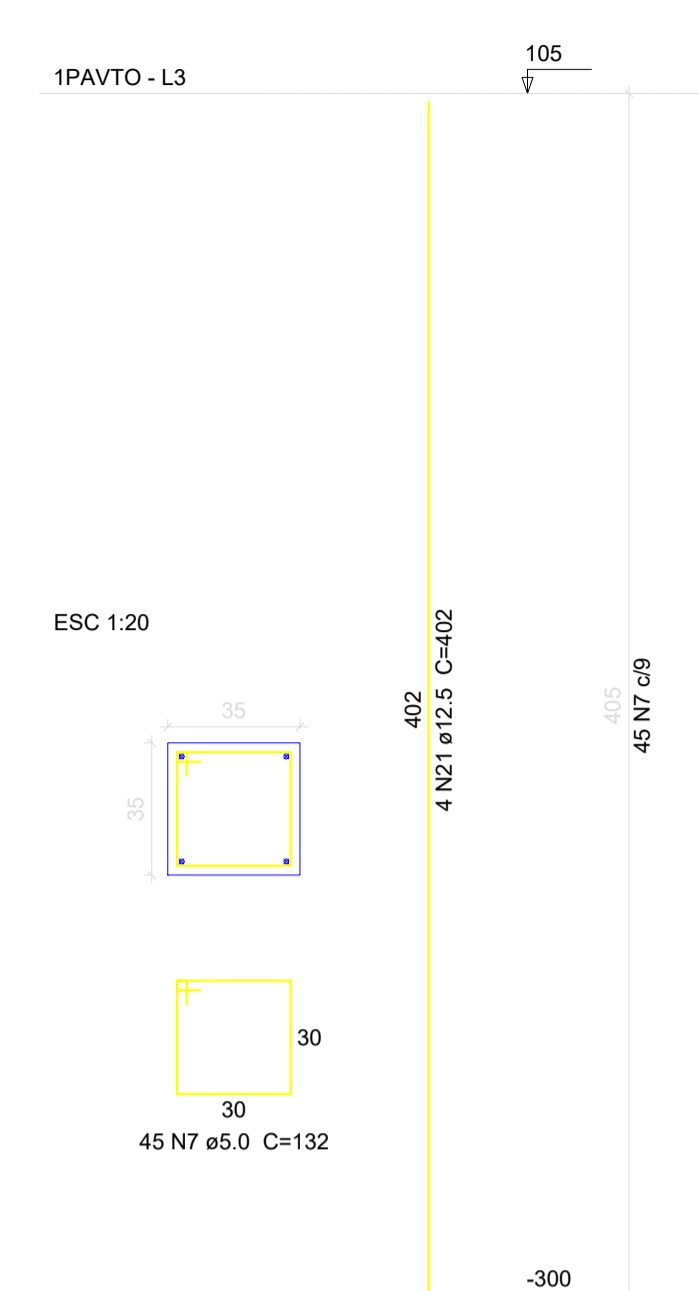
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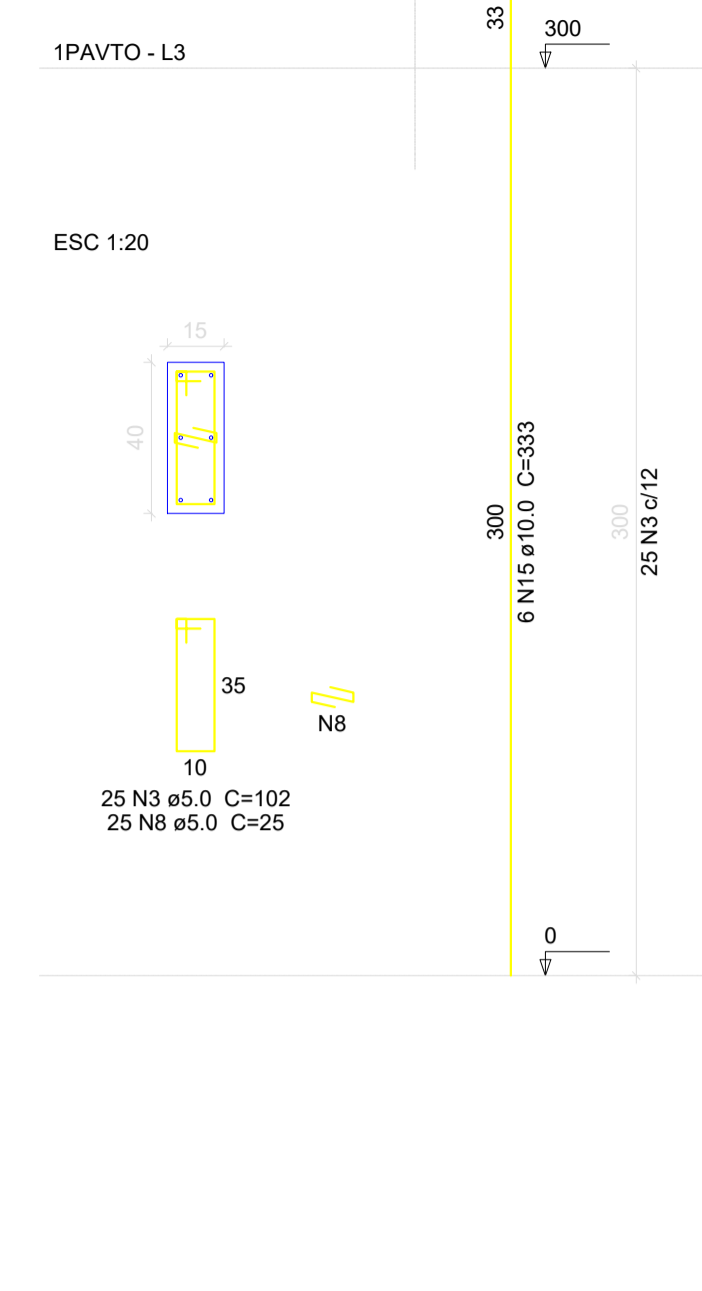
P16



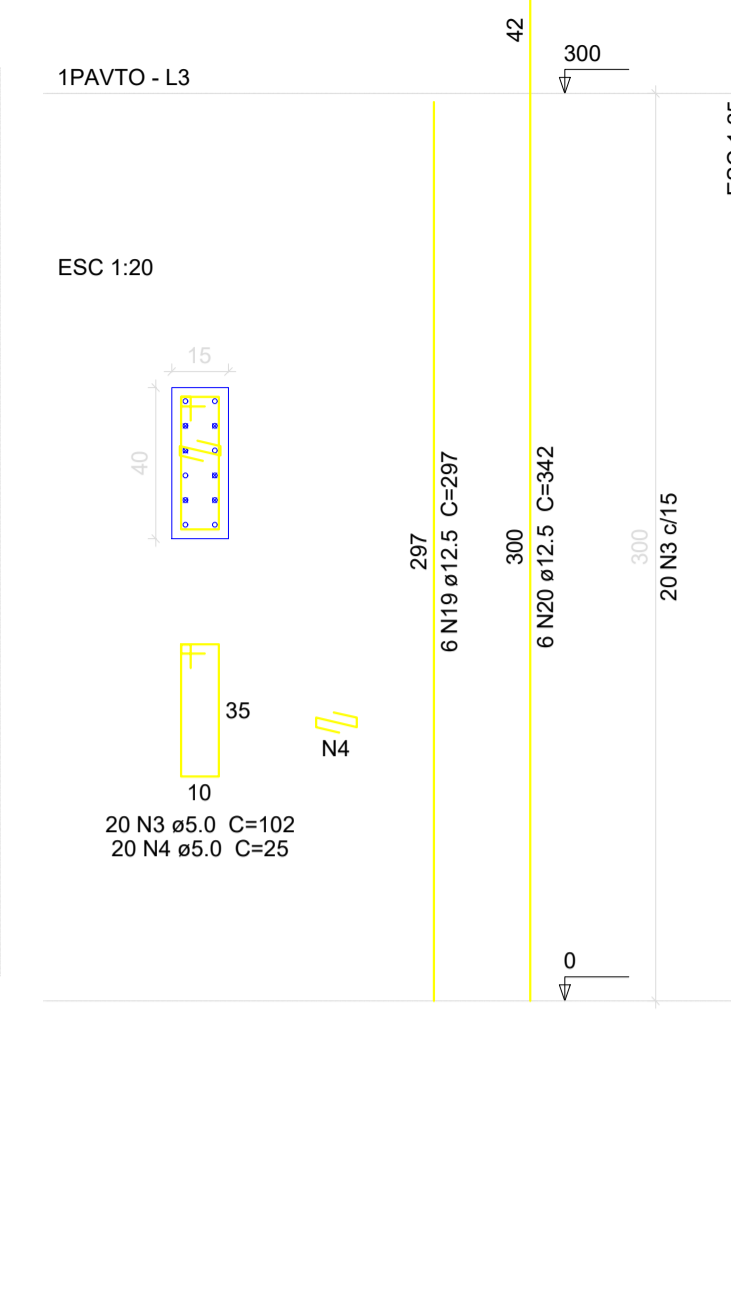
P17



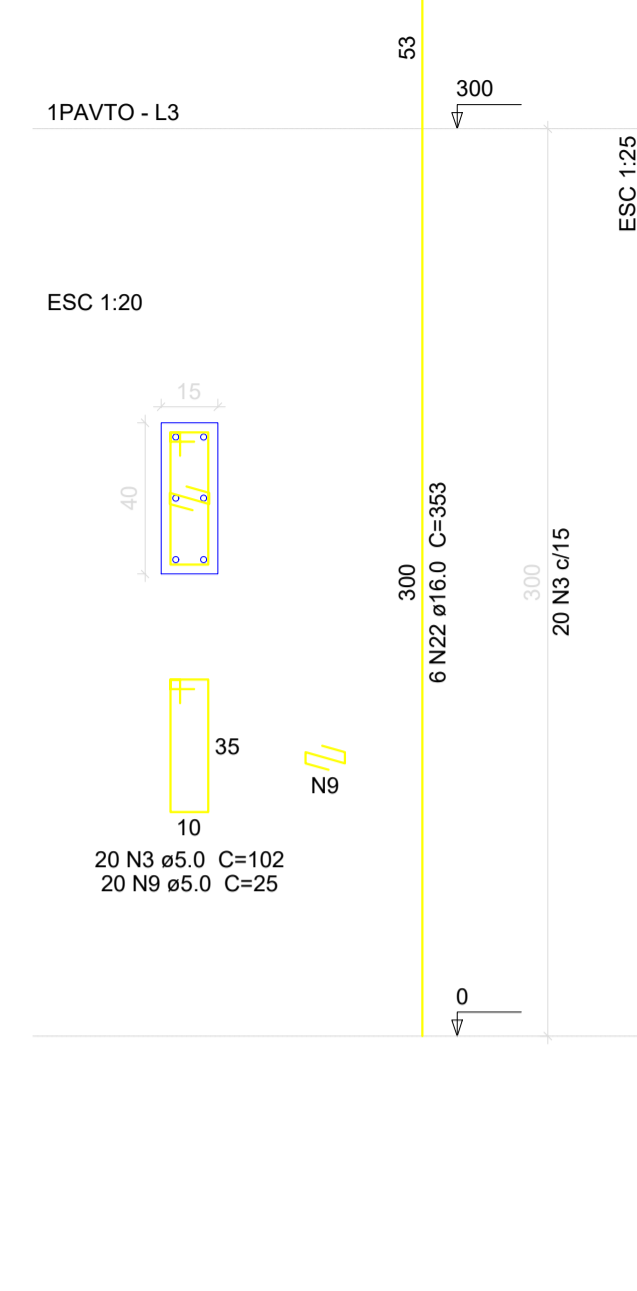
P19



P2=P45



P27



Relação do aço

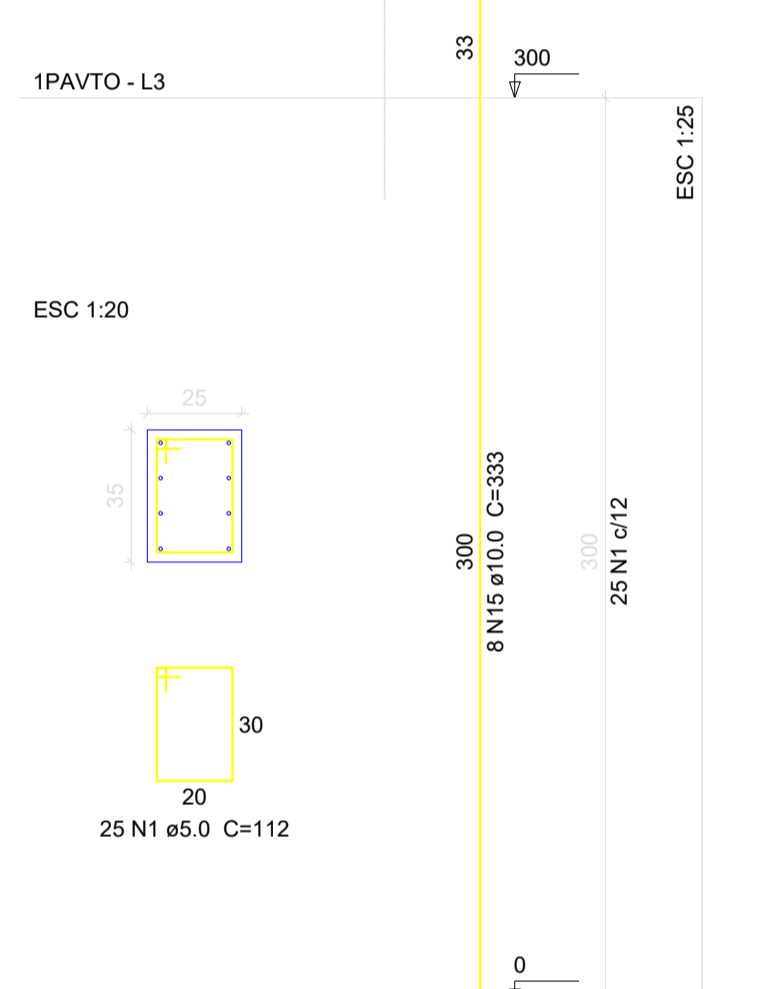
2xP2	P13	3xP15			
P16	P19	P19			
P20	P21	P23			
P24	P25	P26			
P27	2xP38				
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	59	112	6608
	2	5.0	34	35	1190
	3	5.0	315	102	32130
	4	5.0	100	25	2500
	5	5.0	28	112	3136
	6	5.0	28	40	1120
	7	5.0	45	132	5940
	8	5.0	200	25	5000
	9	5.0	60	25	1500
	10	5.0	67	162	10854
	11	5.0	67	50	3350
	12	5.0	25	112	2800
	13	5.0	25	30	750
CA50	14	10.0	6	402	2412
	15	10.0	40	333	13320
	16	10.0	14	527	7378
	17	10.0	6	297	1782
	18	10.0	12	633	7596
	19	12.5	30	297	8910
	20	12.5	30	342	10260
	21	12.5	4	402	1608
	22	16.0	12	353	4236
	23	16.0	2	297	594

Resumo do aço

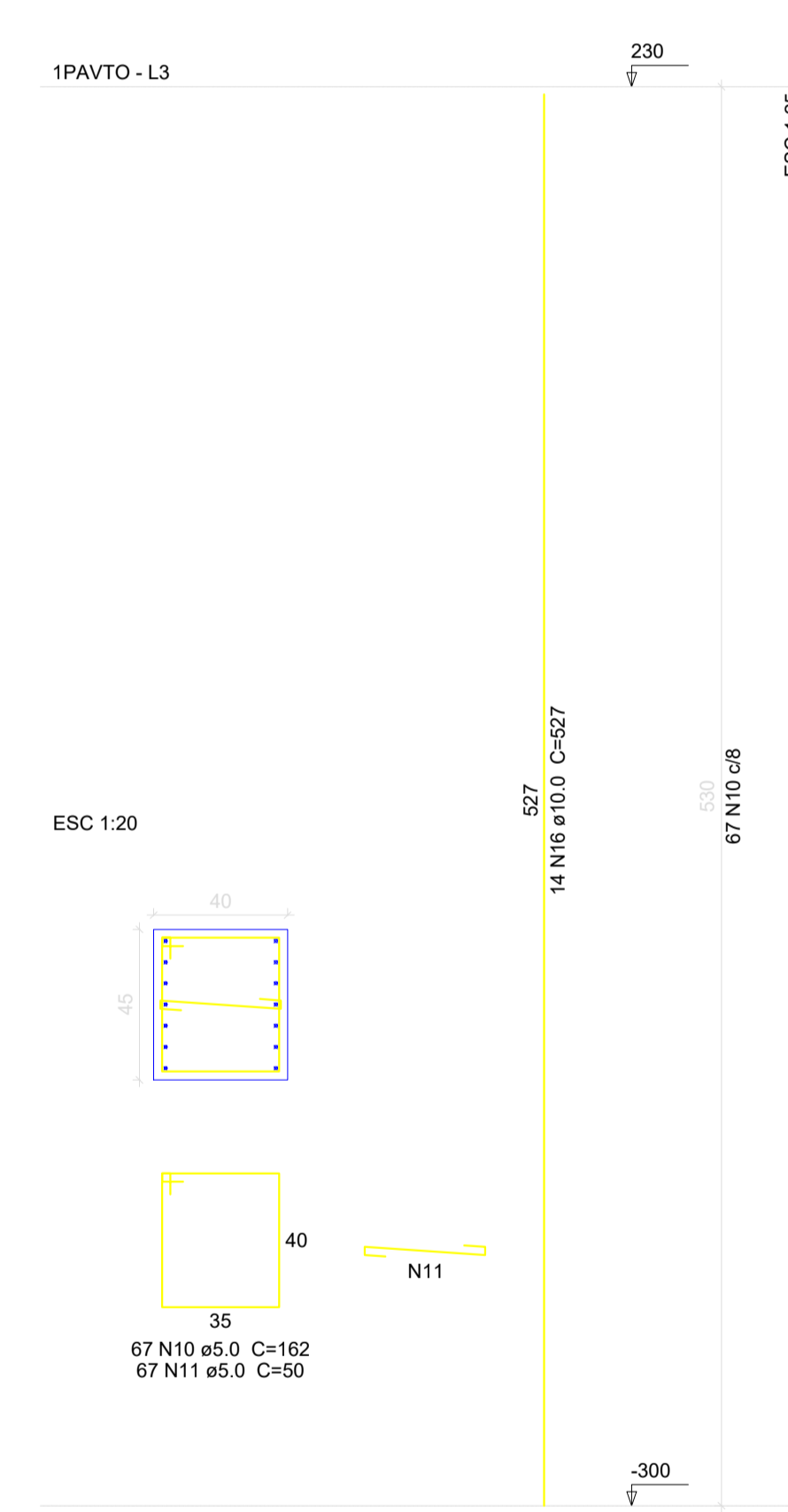
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	324.9	220.3
	12.5	207.8	220.2
	16.0	48.3	83.9
CA60	5.0	768.8	130.3
PESO TOTAL (kg)			
CA50		524.4	
CA60		130.3	

Volume de concreto (C-30) = 5.1 m³
Área de forma = 76.54 m²

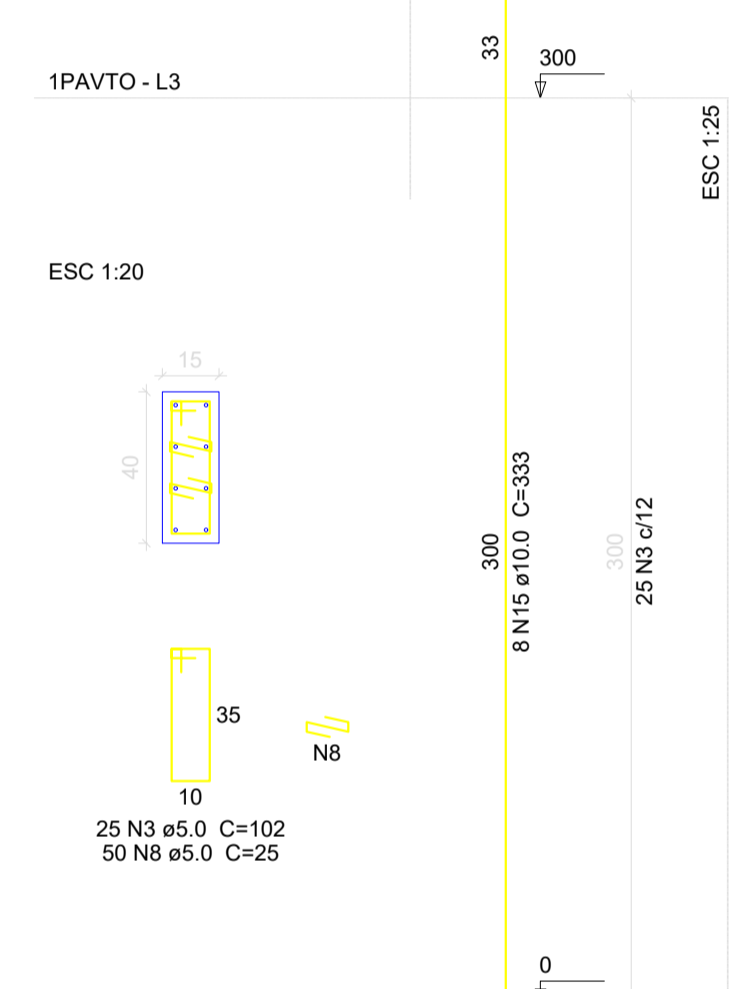
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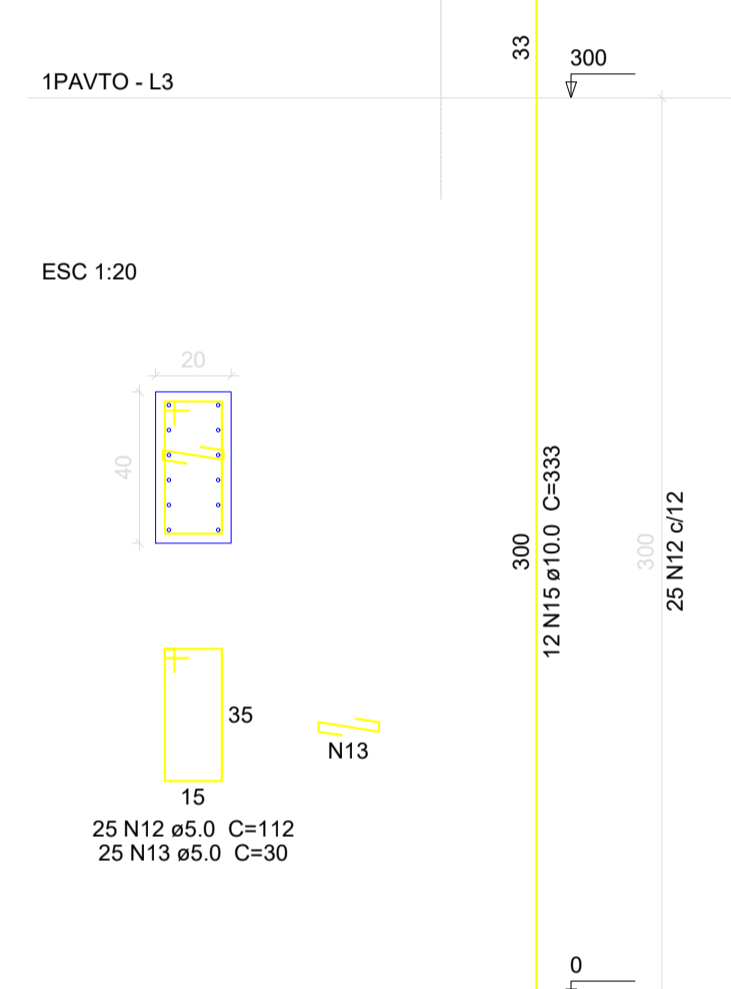
P21



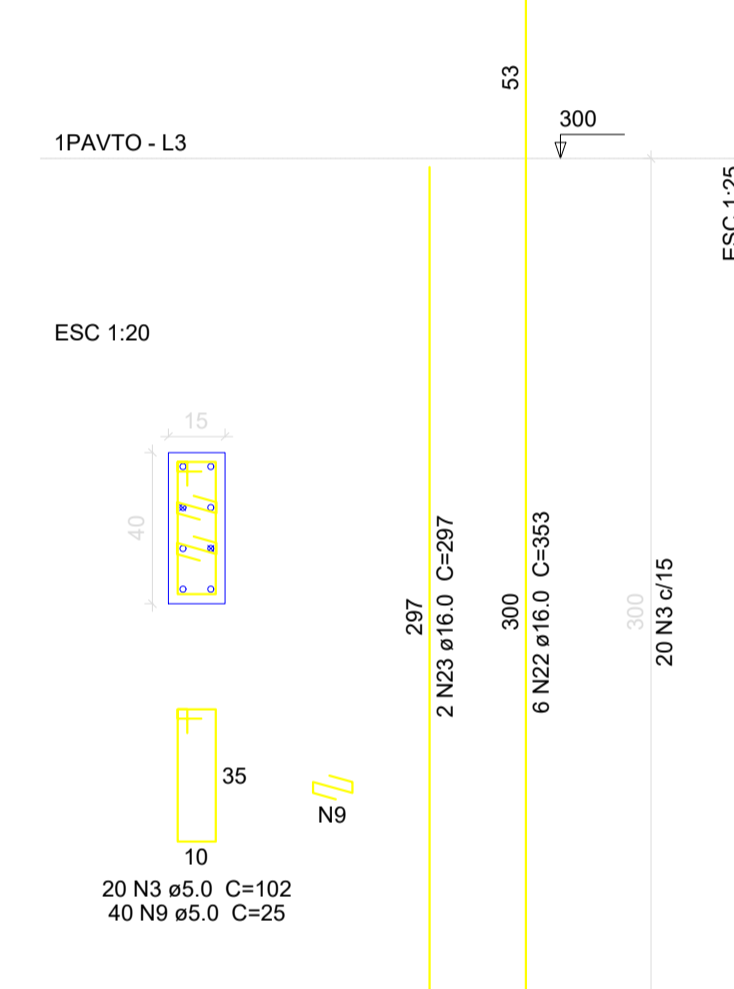
P23



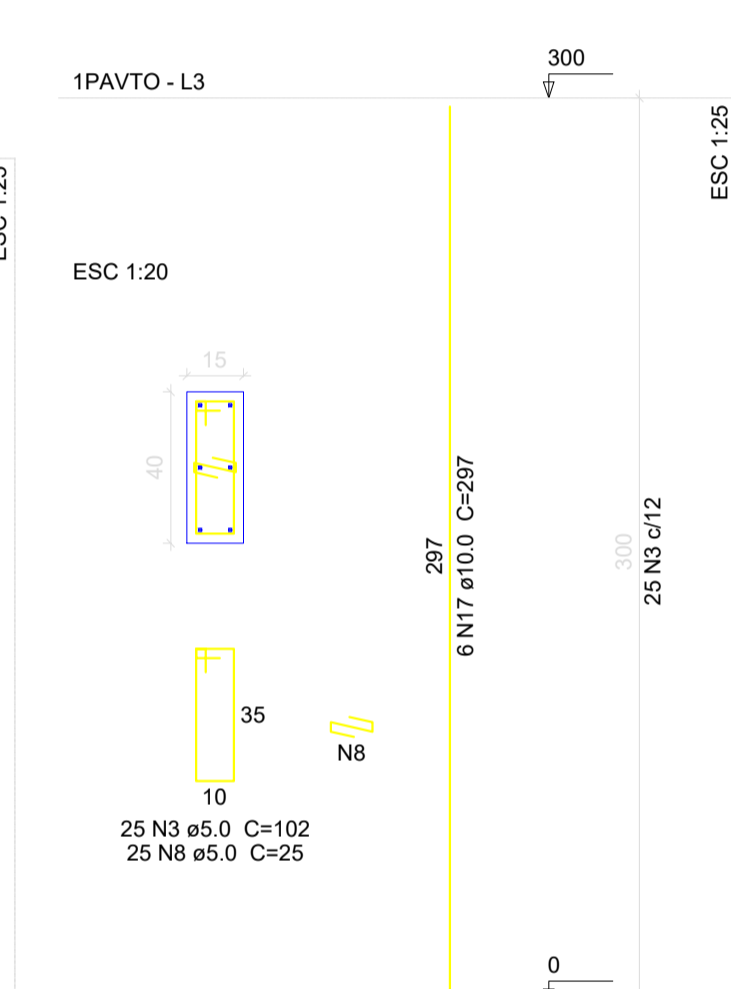
P24



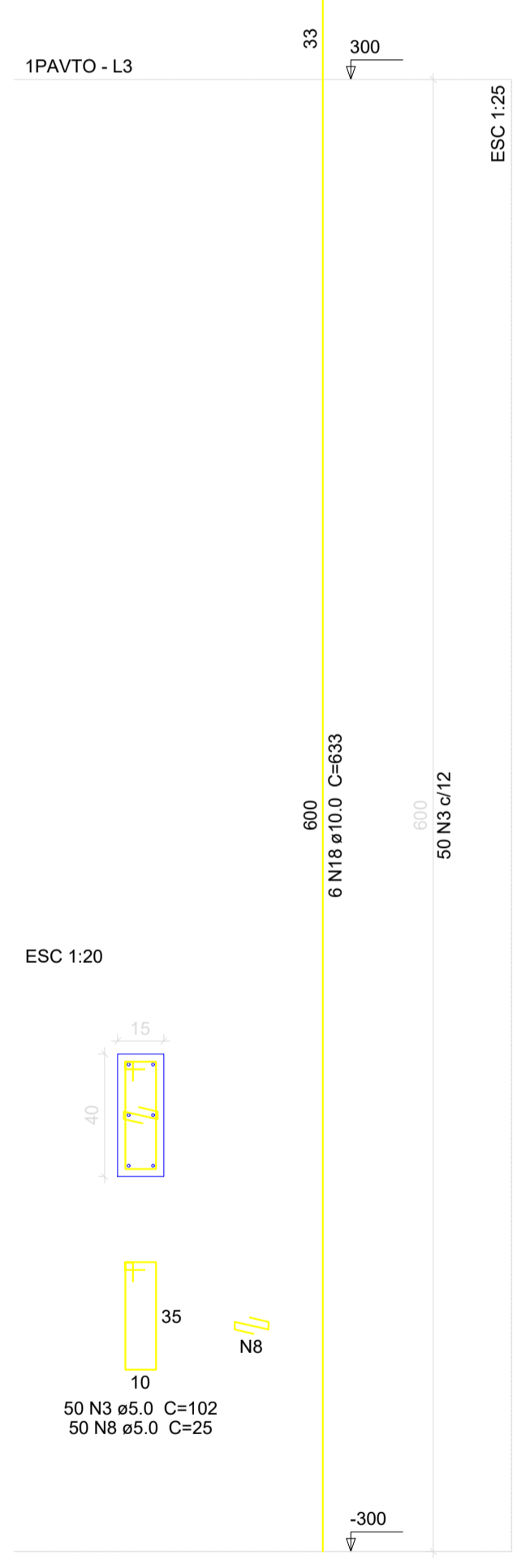
P25



P26



P38=P41



CLIENTE: MUNICÍPIO DE CORREIA PINTO CAPJ 75.438.695/0001-45

RESP. TÉCNICO: DIEFERSON BRANGER/00897449932
Assinado de forma digital por DIEFERSON BRANGER/00897449932
Dados: 2021.11.18 09:21:55 -03'00'

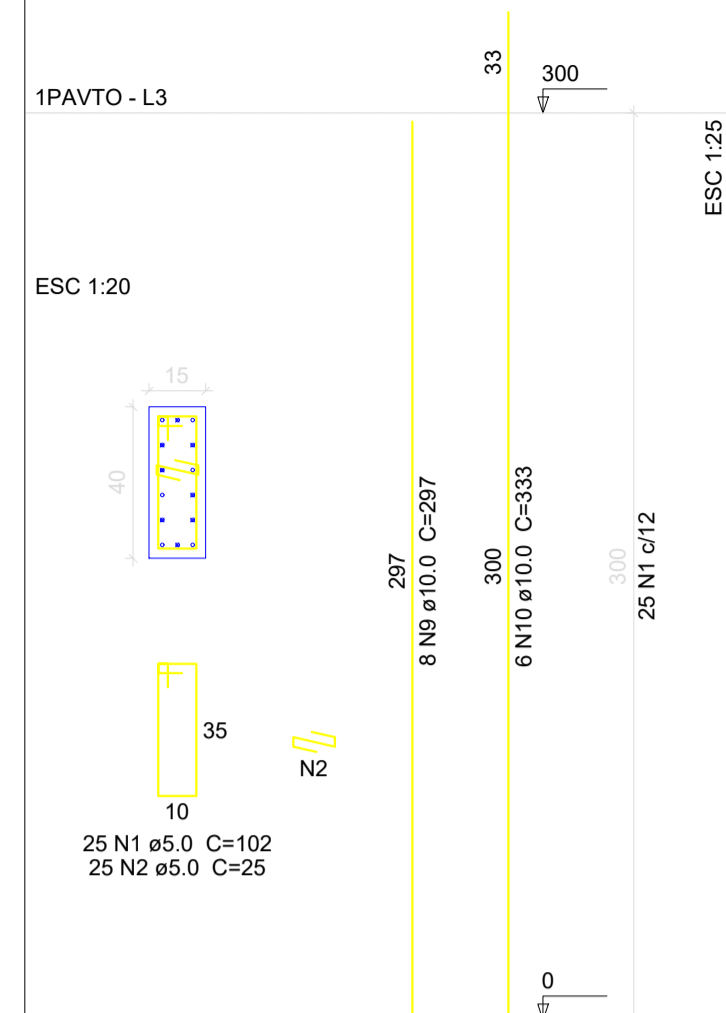
PROJETO: PROJETO ESTRUTURAL

CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.

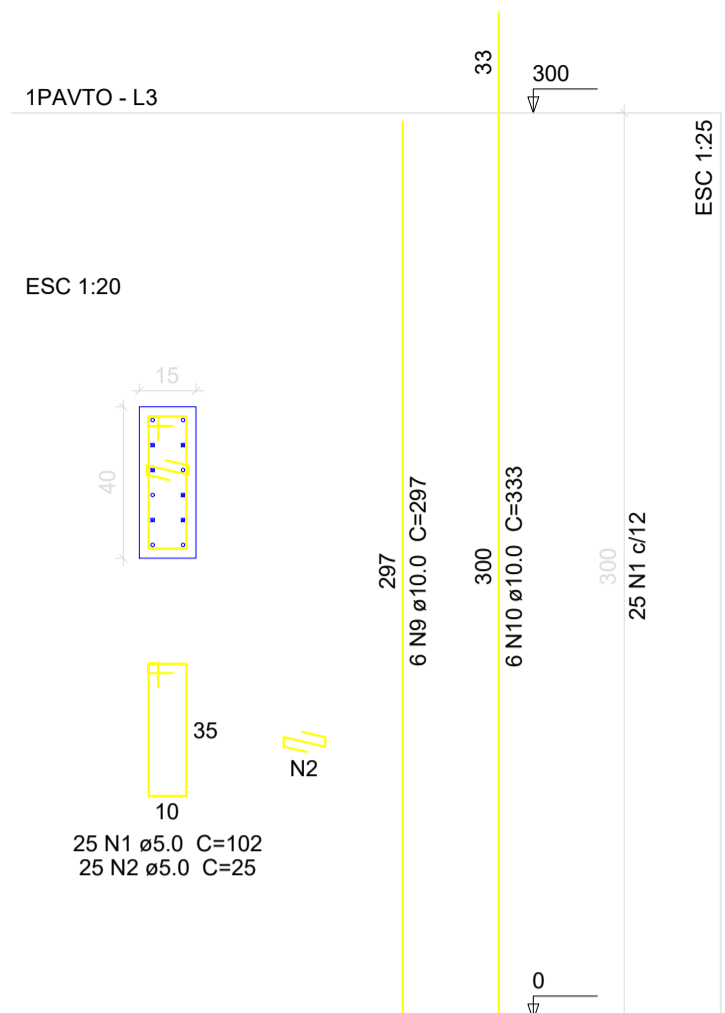
DISCRIMINAÇÃO DO DESENHO: DETALHES IPAVTO

DESENHO: MARCOS B. CONF. DATA: ESCALA: INDICADAS APROV. ARG. PRANCHAS: EST. 28/50

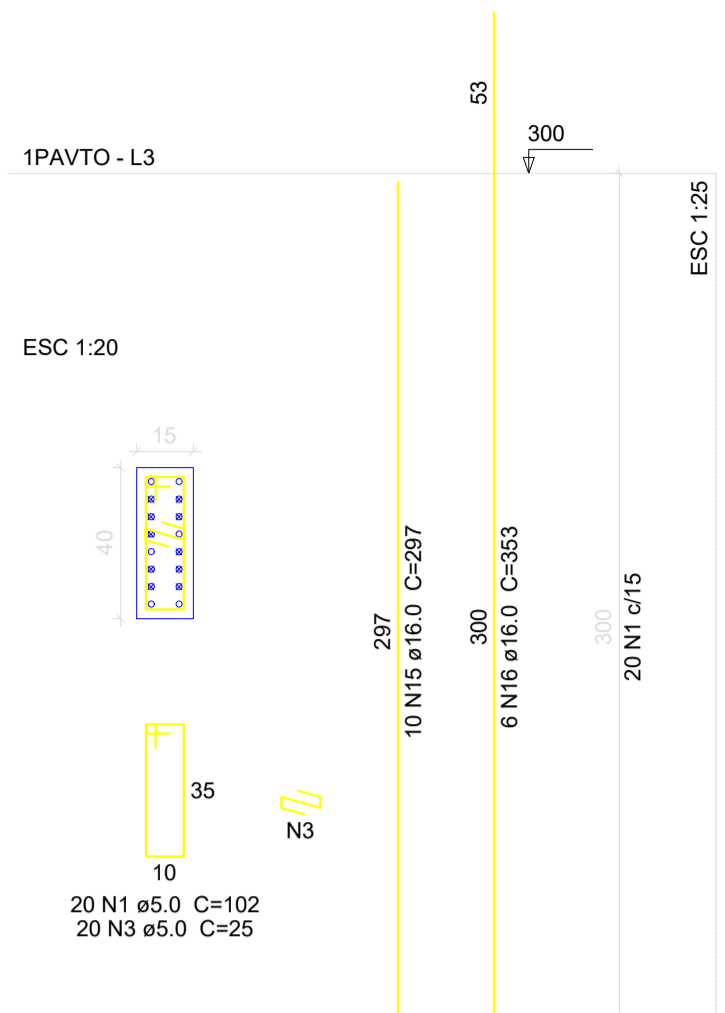
P28



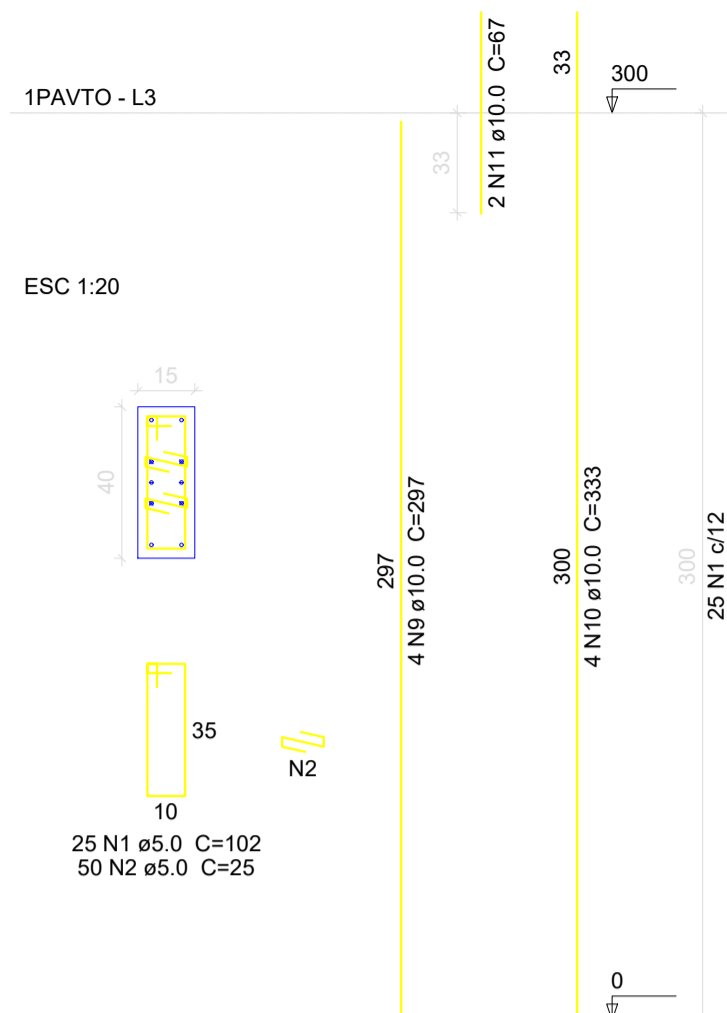
P29



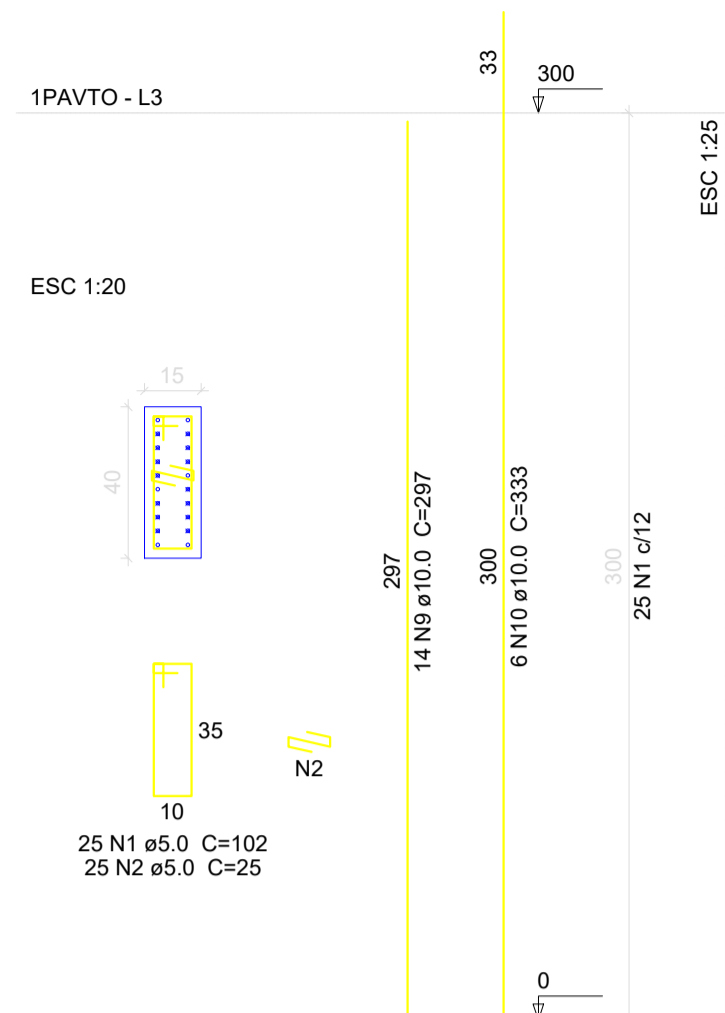
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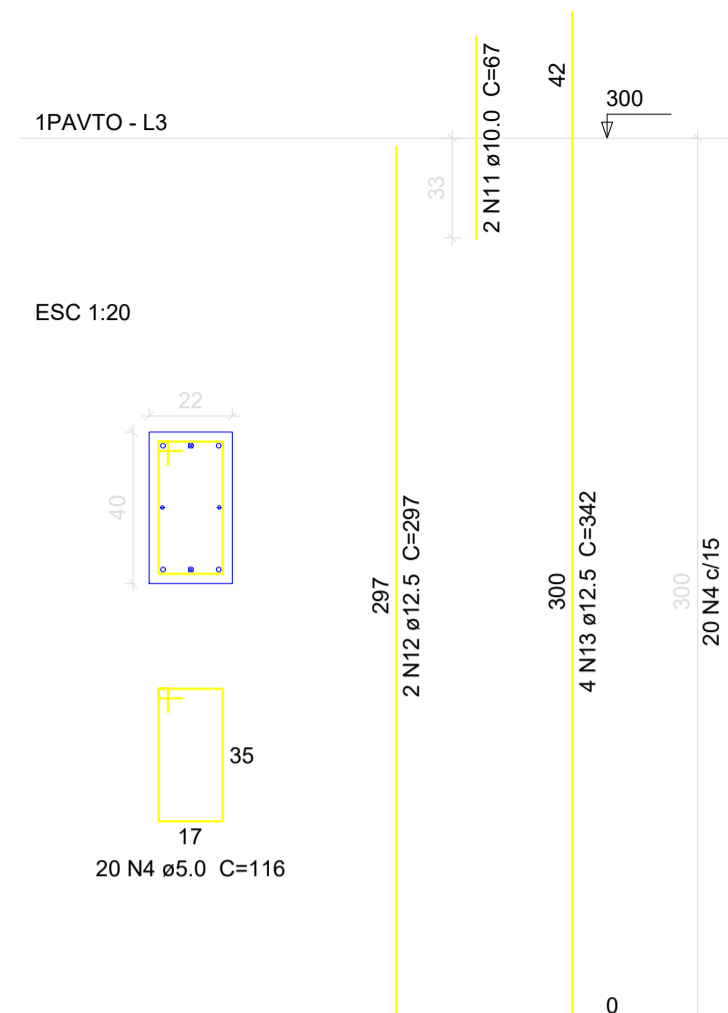
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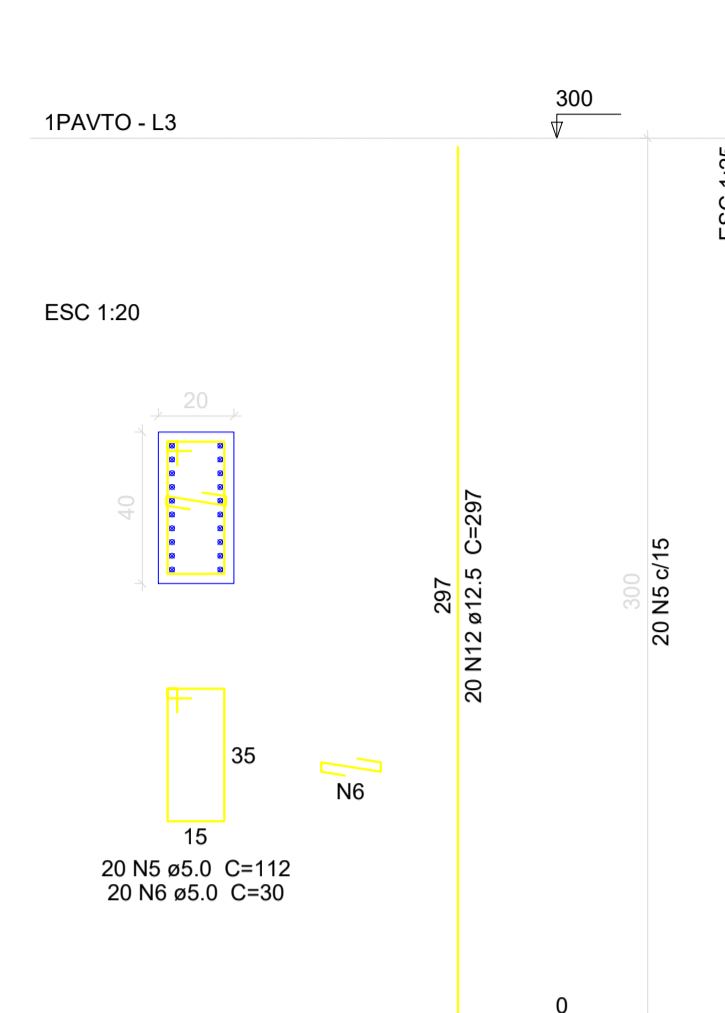
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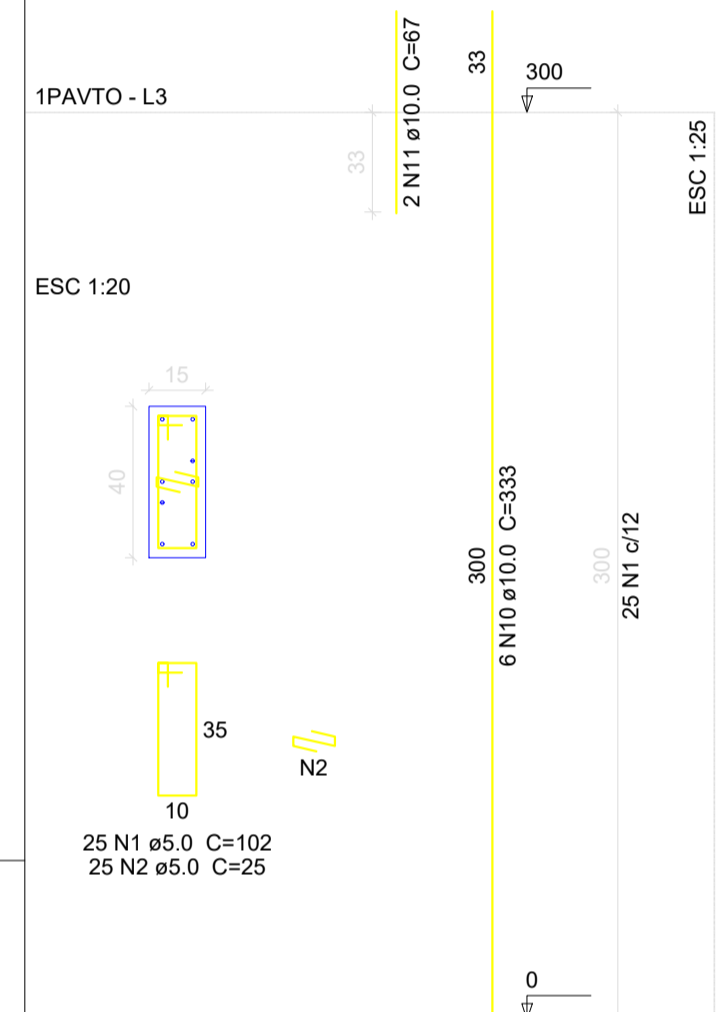
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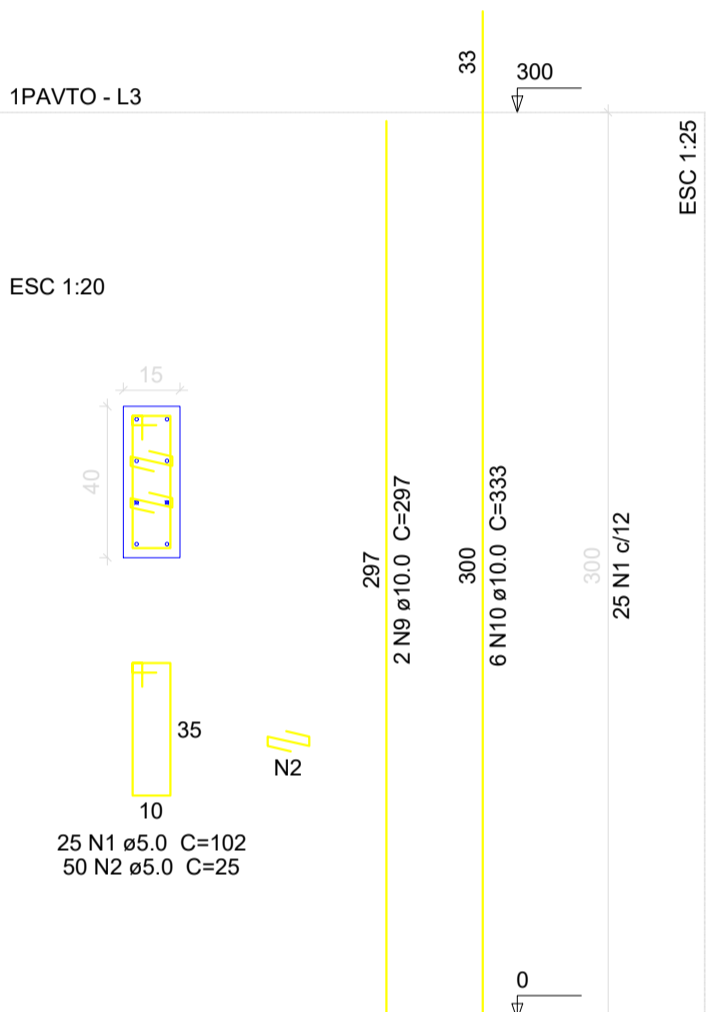
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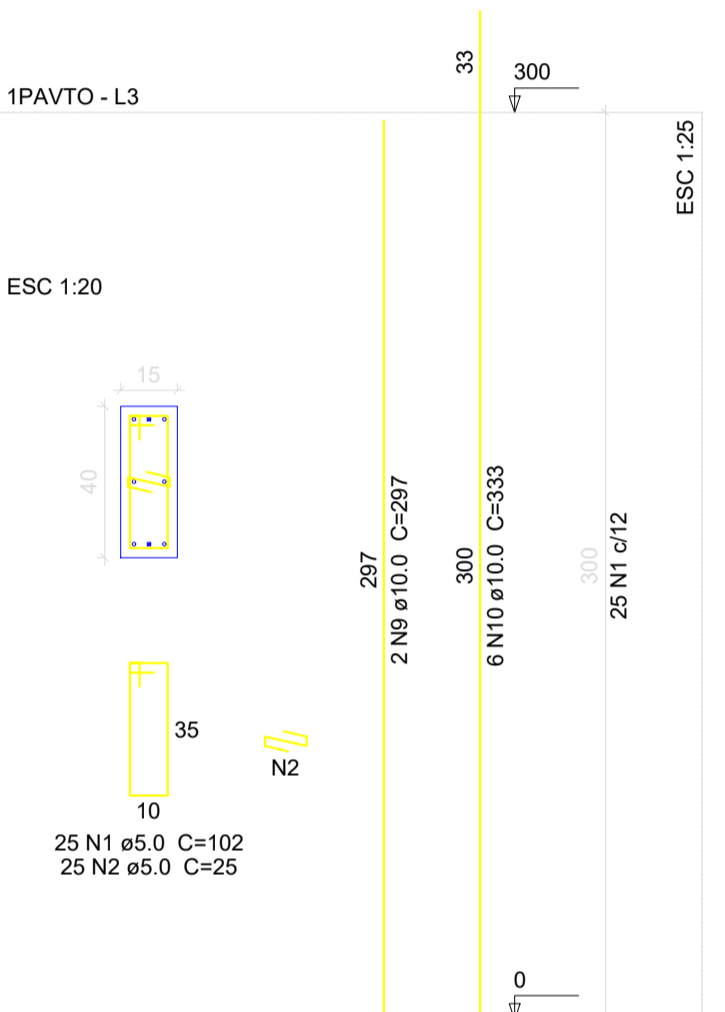
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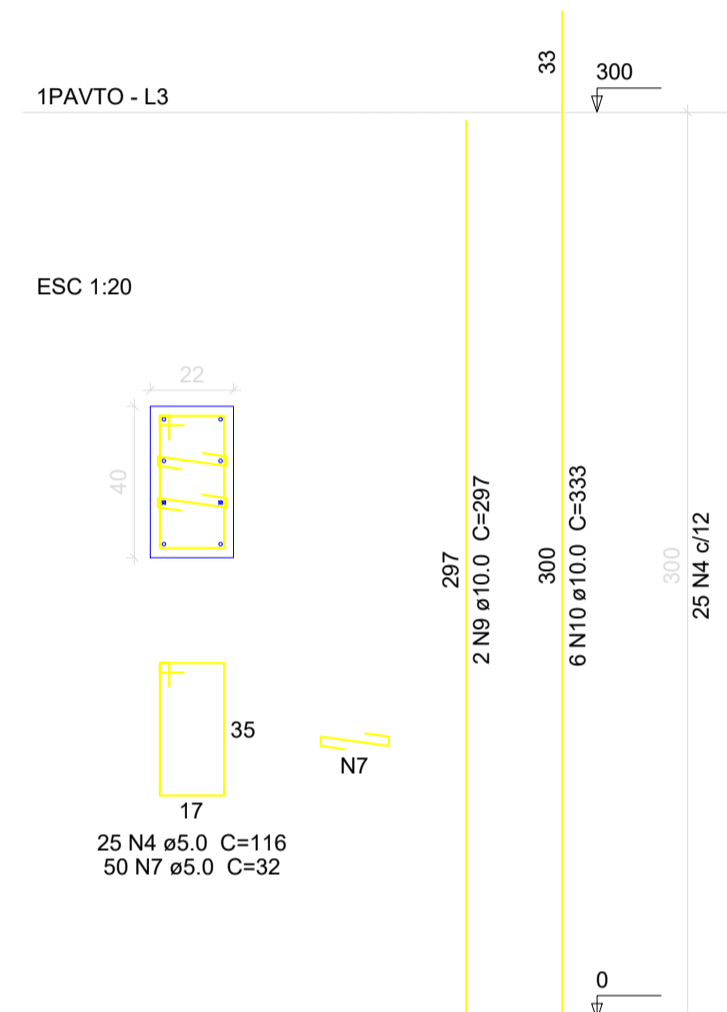
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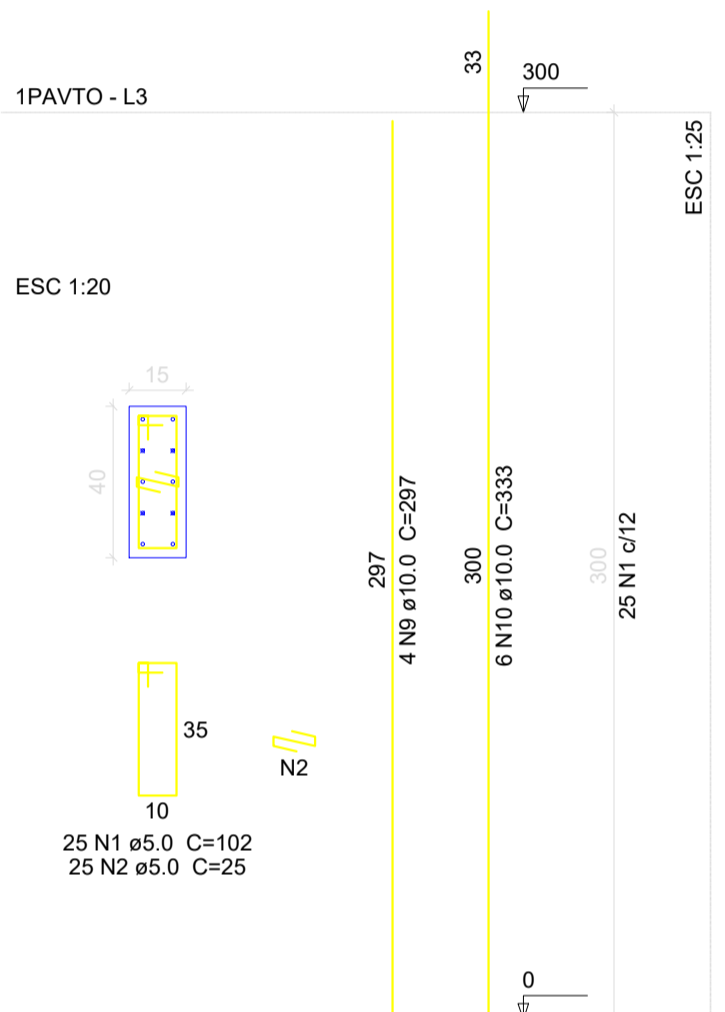
P36=P42



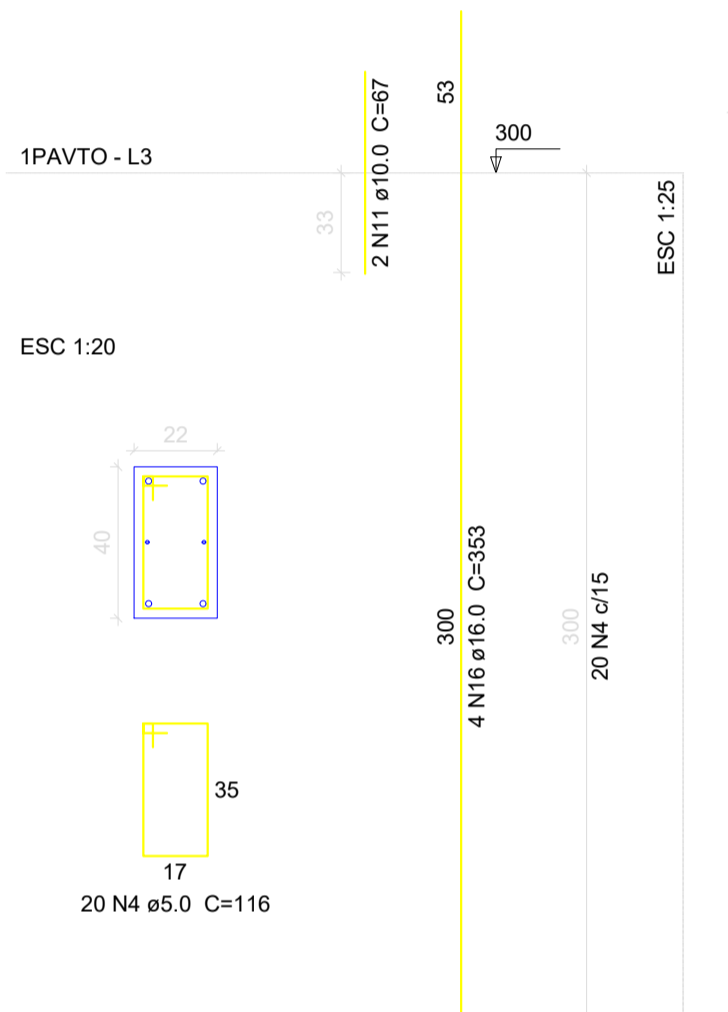
P37



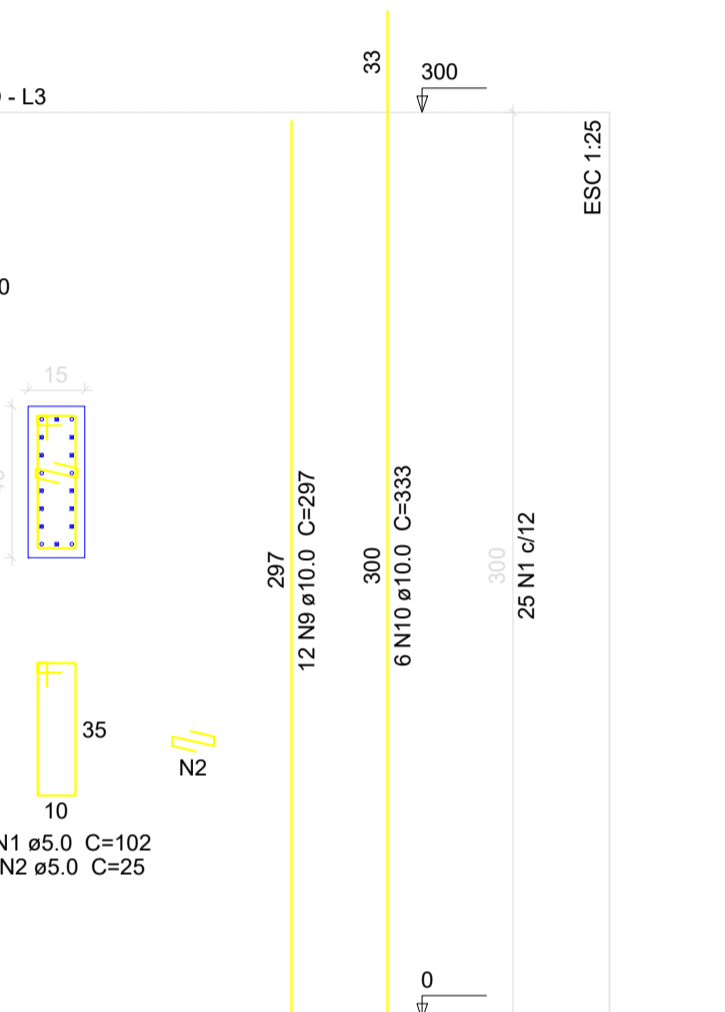
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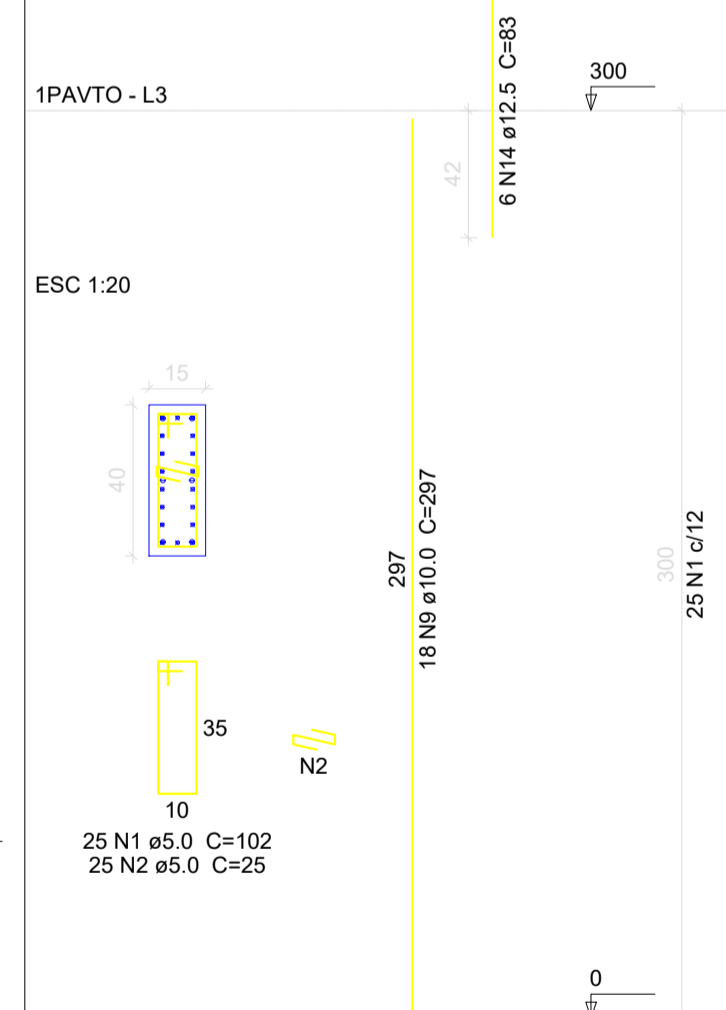
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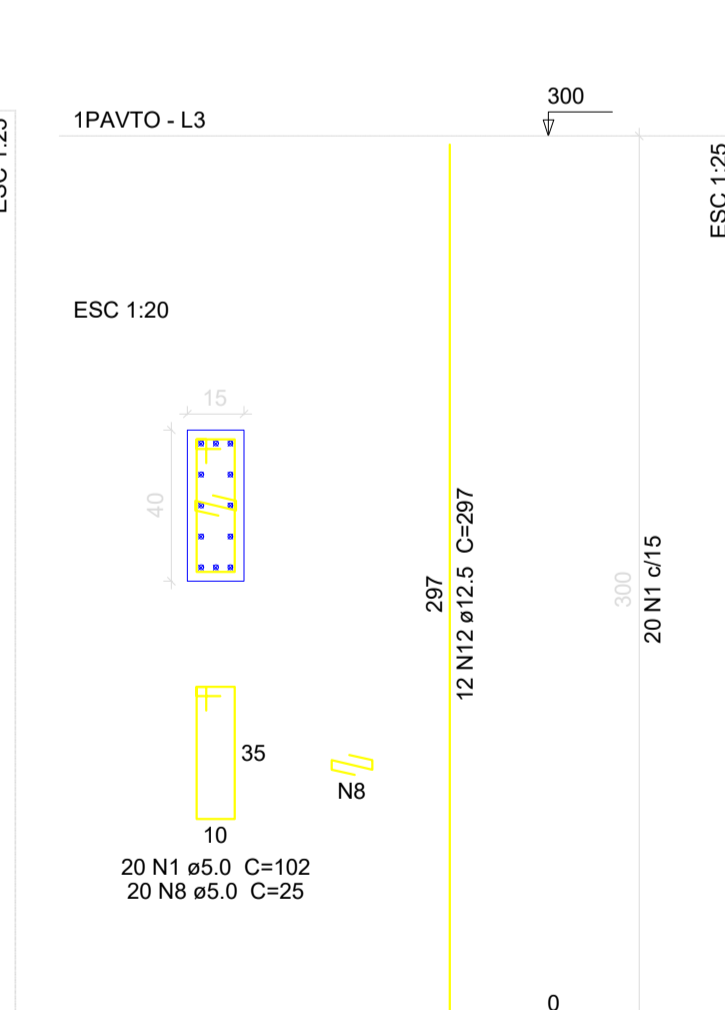
P46



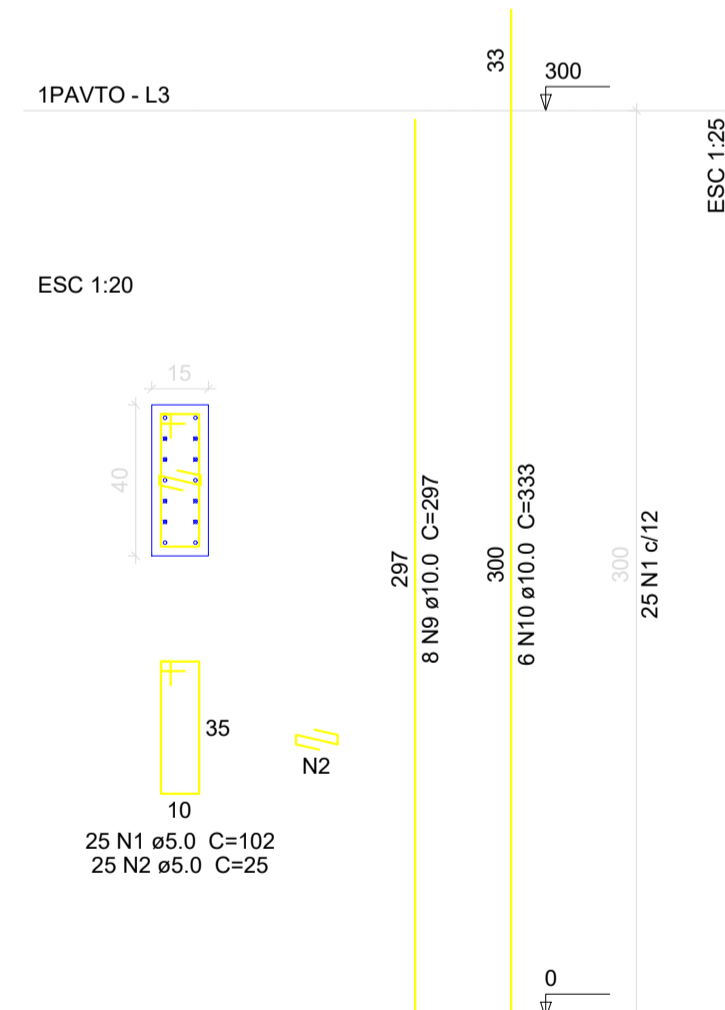
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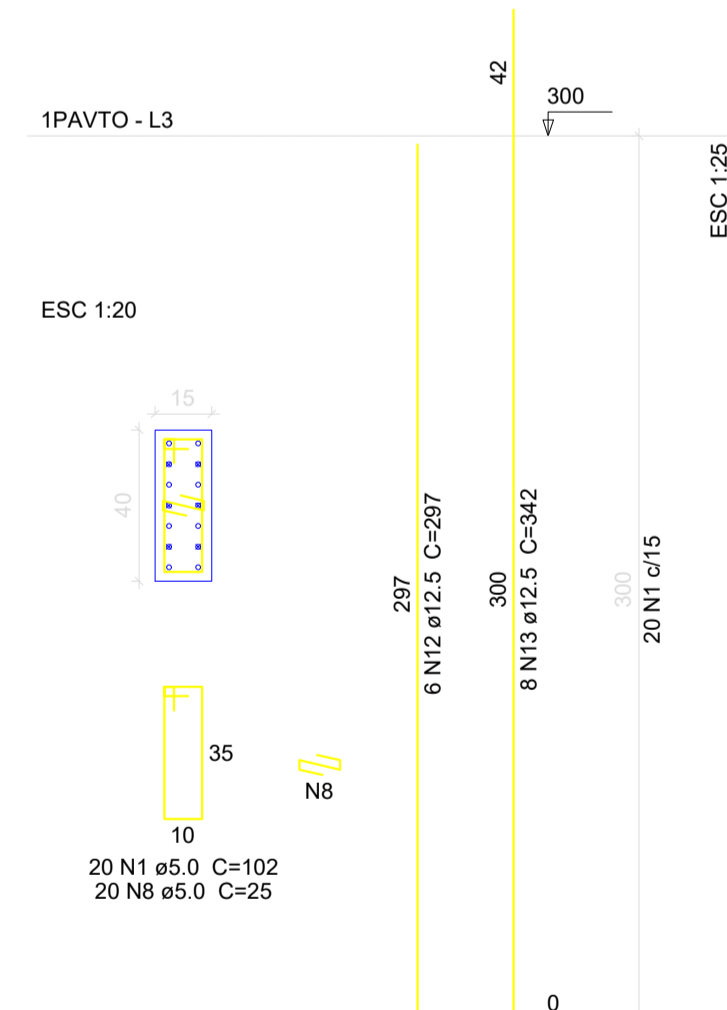
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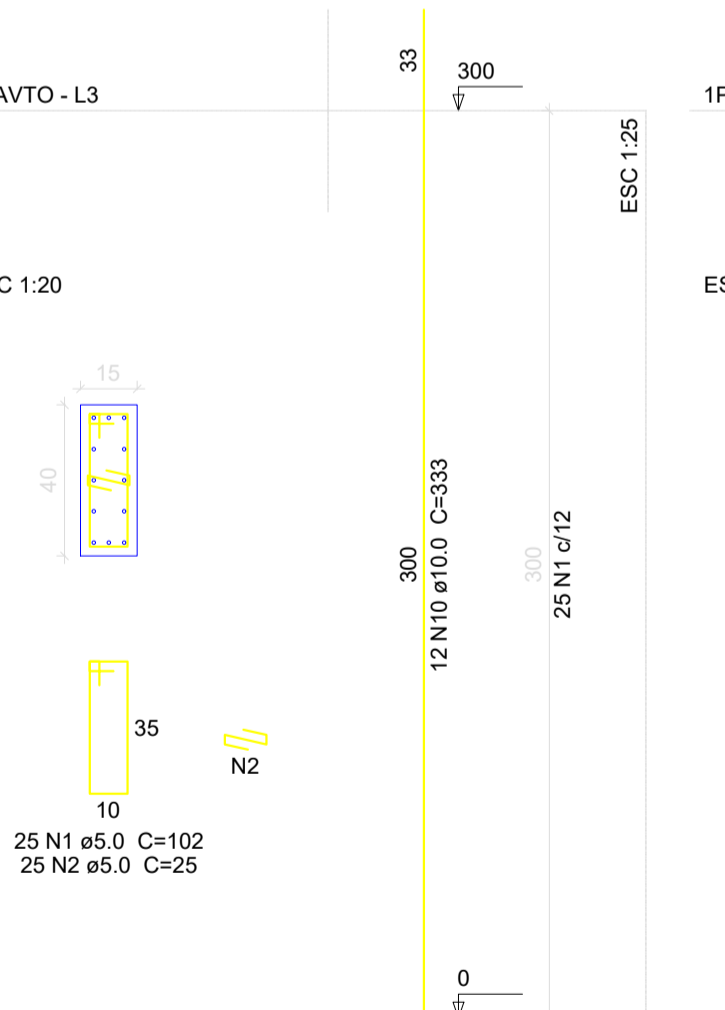
P50



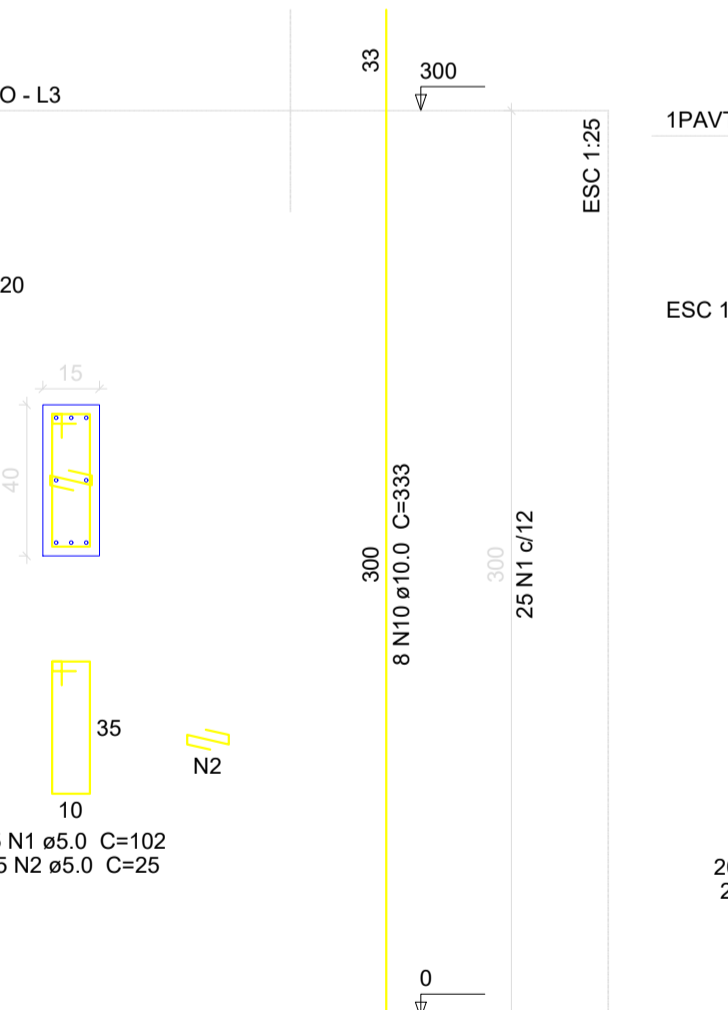
P6



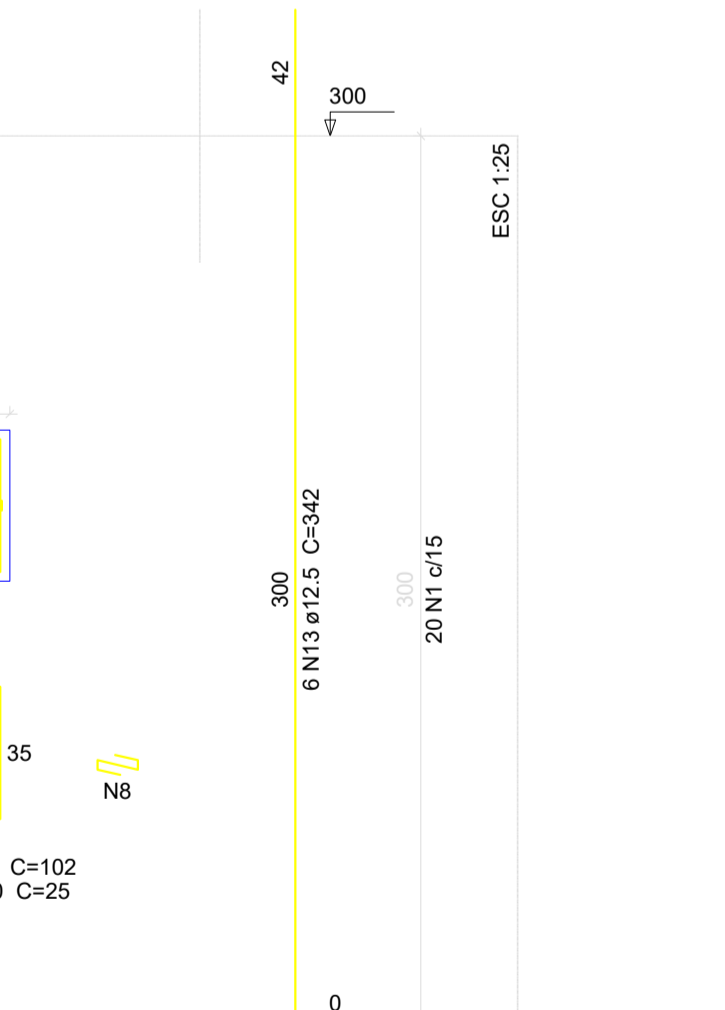
P7



P8



P9=P40



Relação do aço

ACO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	475	102	48450
	2	5.0	450	25	11250
	3	5.0	20	25	500
	4	5.0	65	116	7540
	5	5.0	20	112	2240
	6	5.0	20	30	600
	7	5.0	50	32	1600
	8	5.0	86	25	2000
	9	10.0	84	297	24948
	10	10.0	96	333	31968
	11	10.0	8	67	536
	12	12.5	40	297	11880
	13	12.5	24	342	8208
	14	12.5	6	83	498
	15	16.0	10	297	2970
	16	16.0	10	353	3530

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	574.6	389.6
	12.5	205.9	218.1
	16.0	65	112.9
CA60	5.0	741.8	125.8
PESO TOTAL (kg)			
CA50		720.6	
CA60		125.8	

Volume de concreto (C-30) = 4.63 m³
 Área de forma = 80.76 m²

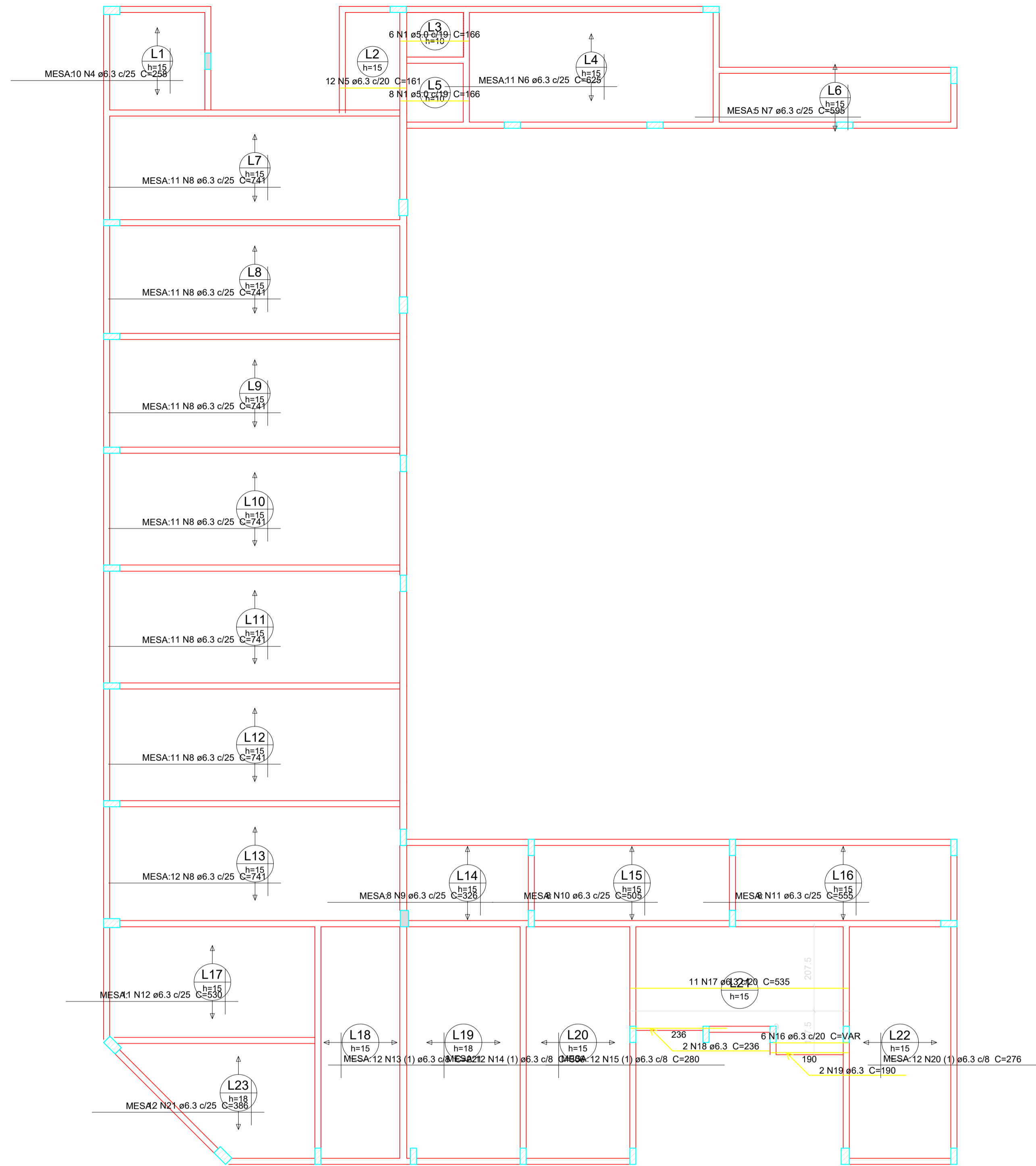
CLIENTE: MUNICÍPIO DE CORREIA PINTO CAPJ 75.438.695/0001-49

RESP. TÉCNICO: DIEFERSON BRANGER/00897449932 Assinado de forma digital por DIEFERSON BRANGER/00897449932. Dados: 2021.11.18 09:22:27 -03'00'

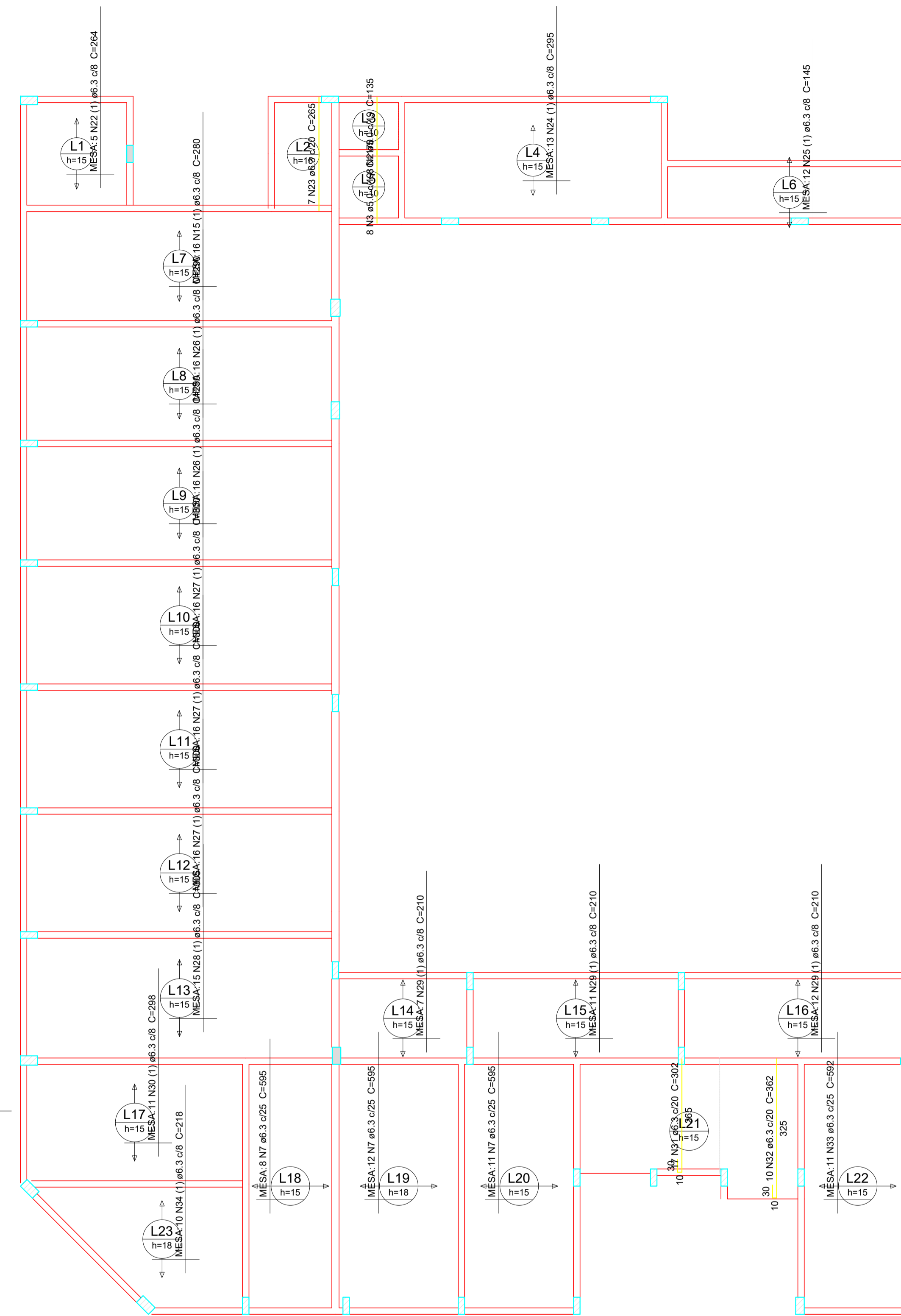
PROJETO: PROJETO ESTRUTURAL

CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.

DESENHO: MARCOS B. CONF. DATA: ESCALA: INDICADAS APROV. ARG. PRANCHA: EST. 29/50



Armação positiva das lajes do pavimento 1PAVTO (Eixo X)
escala 1:75



Armação positiva das lajes do pavimento 1PAVTO (Eixo Y)
escala 1:75

Relação do aço

Positivos X		Positivos Y			
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	14	166	2324
	2	5.0	8	135	1080
	3	5.0	8	170	1360
CA50	4	6.3	10	258	2580
	5	6.3	12	161	1932
	6	6.3	11	625	6875
	7	6.3	36	595	21420
	8	6.3	78	741	57798
	9	6.3	8	325	2608
	10	6.3	8	505	4040
	11	6.3	8	555	4440
	12	6.3	11	530	5830
	13	6.3	12	221	2652
	14	6.3	12	306	3672
	15	6.3	28	280	7840
	16	6.3	6	VAR	VAR
	17	6.3	11	535	5885
	18	6.3	2	236	472
	19	6.3	2	190	380
	20	6.3	12	276	3312
	21	6.3	12	386	4632
	22	6.3	5	264	1320
	23	6.3	7	265	1855
	24	6.3	13	295	3835
	25	6.3	12	145	1740
	26	6.3	32	290	9280
	27	6.3	48	300	14400
	28	6.3	15	305	4575
	29	6.3	30	210	6300
	30	6.3	11	298	3278
	31	6.3	17	302	5134
	32	6.3	10	362	3620
	33	6.3	11	592	6512
	34	6.3	10	218	2180

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	2015.1	542.4
CA60	5.0	47.7	8.1
PESO TOTAL (kg)			
CA50			542.4
CA60			8.1

Volume de concreto (C-30) = 17.12 m³
Área de forma = 2121 m²

CLIENTE: MUNICÍPIO DE CORREIA PINTO CAPJ 75-438.655/0001-46

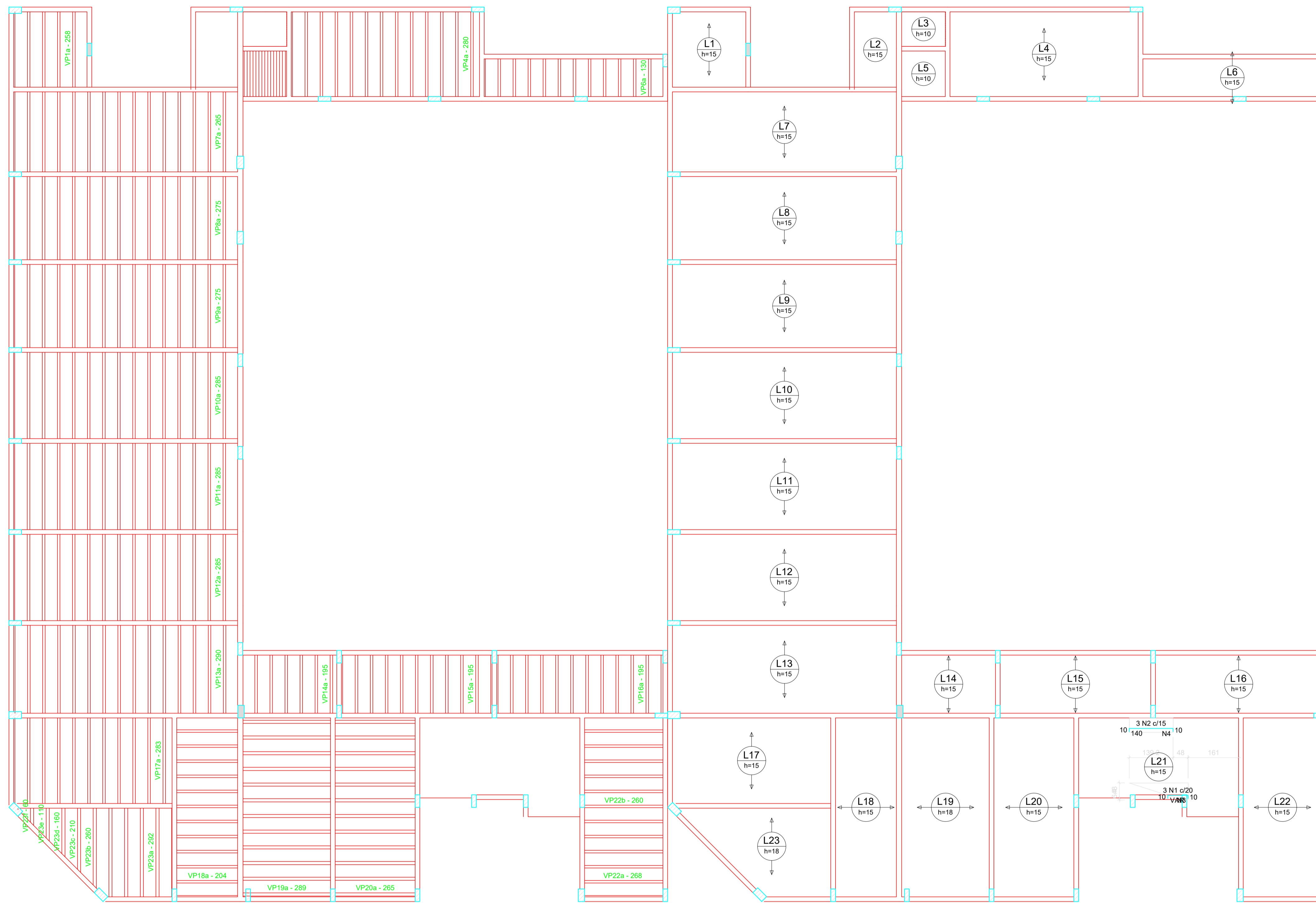
RESP. TÉCNICO: DIEFERSON BRANGER:00897449932
Assinado de forma digital por DIEFERSON BRANGER:00897449932
Dados: 2021.11.18 09:23:24 -03'00'

PROJETO: PROJETO ESTRUTURAL

CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.

DISCRIMINAÇÃO DO DESENHO: DETALHES IPAVTO

DESENHO: MARCOS B. CONF. DATA: ESCALA: INDICADAS APROV. ARG. PRANCHAS: EST. 30/50



Ferro		Fios de distribuição	
N1	4 N3 ø6.3 c/20	Armadura de distribuição	
N2	7 N4 ø6.3 c/20	C=VAR	

Relação do aço

Negativos X

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	3	VAR	VAR
CA50	2	5.0	3	158	474
	3	6.3	4	VAR	VAR
	4	6.3	7	46	322

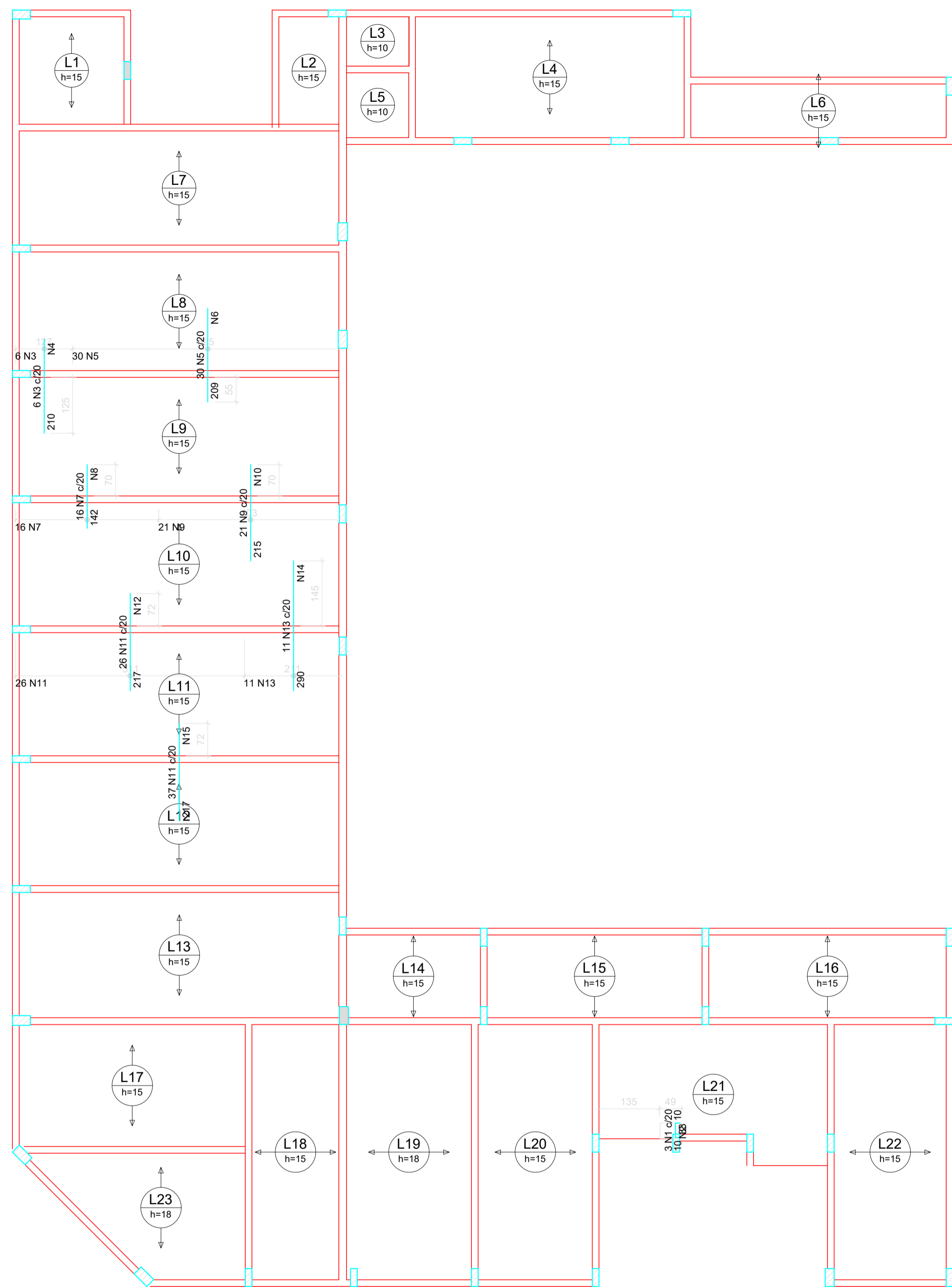
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	5	1.3
CA60	5.0	7.3	1.2
PESO TOTAL (kg)			
CA50	1.3		
CA60	1.2		

Planta de vigotas pré-moldadas
escala 1:75

Armação negativa das lajes do pavimento 1PAVTO (Eixo X)
escala 1:75

CLIENTE		MUNICÍPIO DE CORREIA PINTO CAPJ 75.438.655/0001-45	
RESP. TÉCNICO	DIEFERSON BRANGER	ASSINADO DE FORMA DIGITAL POR	DIEFERSON BRANGER 00897449932
PROJETO	PROJETO ESTRUTURAL		
CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.		DESENHO	CONF.
DISCRIMINAÇÃO DO DESENHO		ESCALA	APROV. ARG.
DETALHES PAVTO		INDICADAS	PRANCHAS
		EST. 31/50	



Ferro	Armadura de distribuição
N1	2 N2 ø6.3 c/20 C=48
N3	11 N4 ø6.3 c/20 C=127
N5	11 N6 ø6.3 c/20 C=603
N7	8 N8 ø6.3 c/20 C=319
N9	11 N10 ø6.3 c/20 C=411
N11	11 N12 ø6.3 c/20 C=511
N13	15 N14 ø6.3 c/20 C=219
N11	11 N15 ø6.3 c/20 C=730

Relação do aço

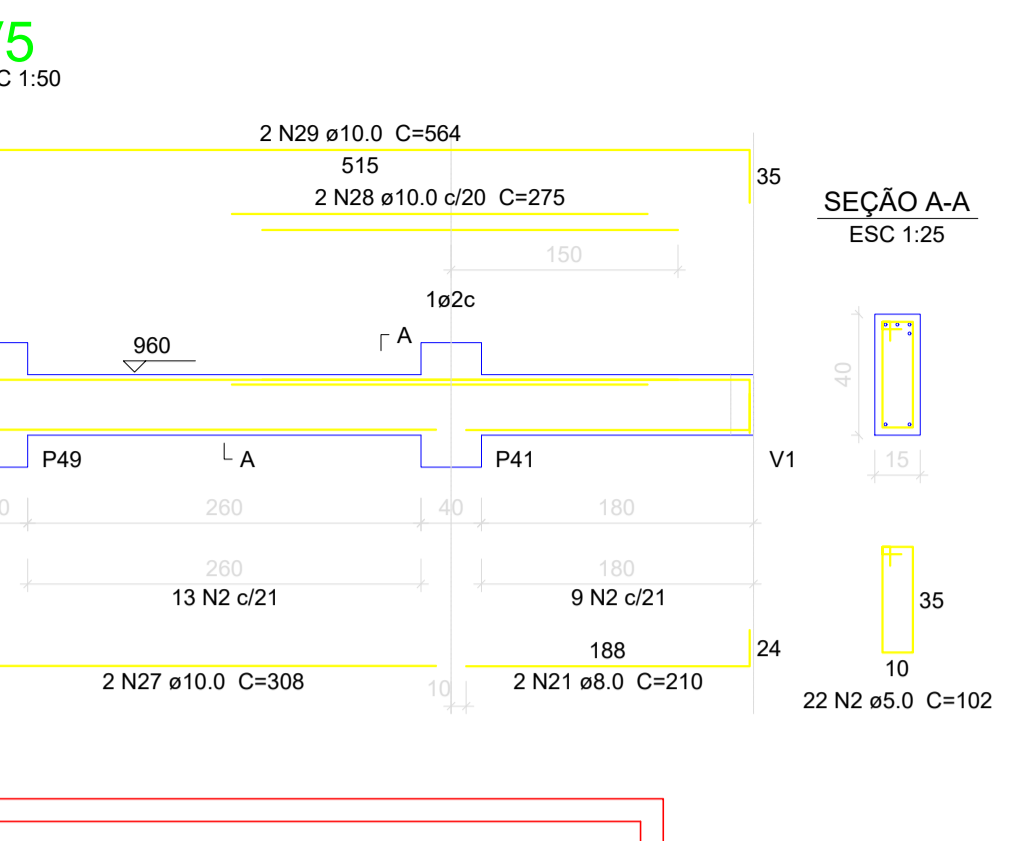
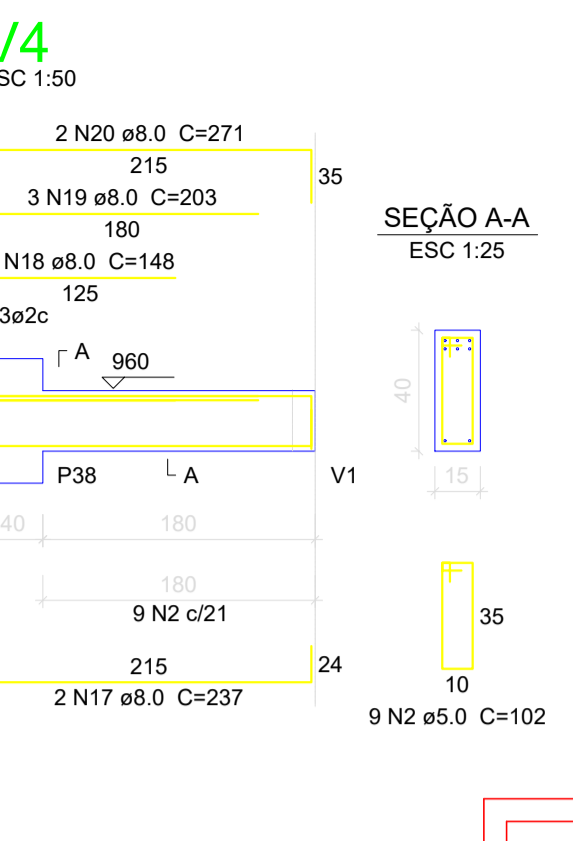
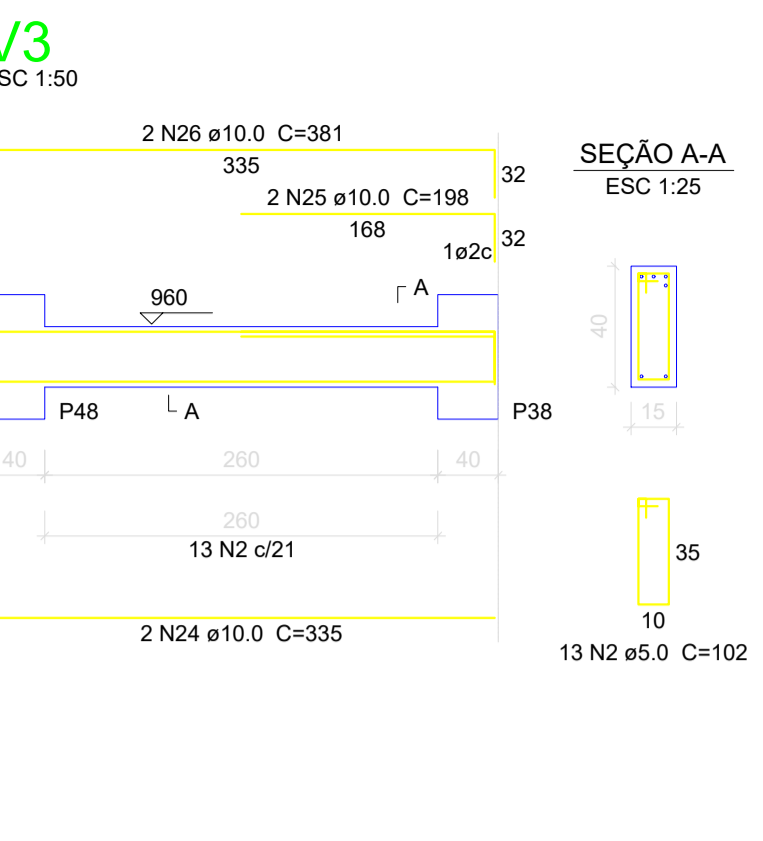
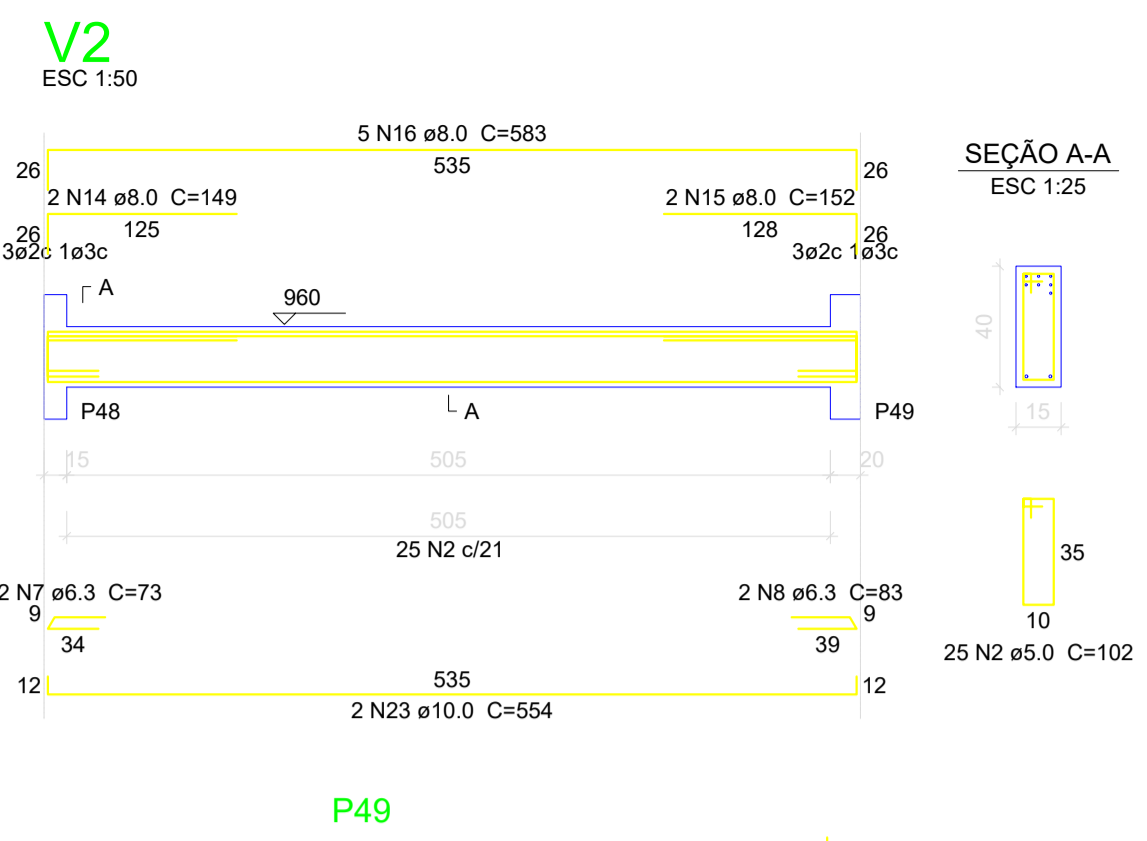
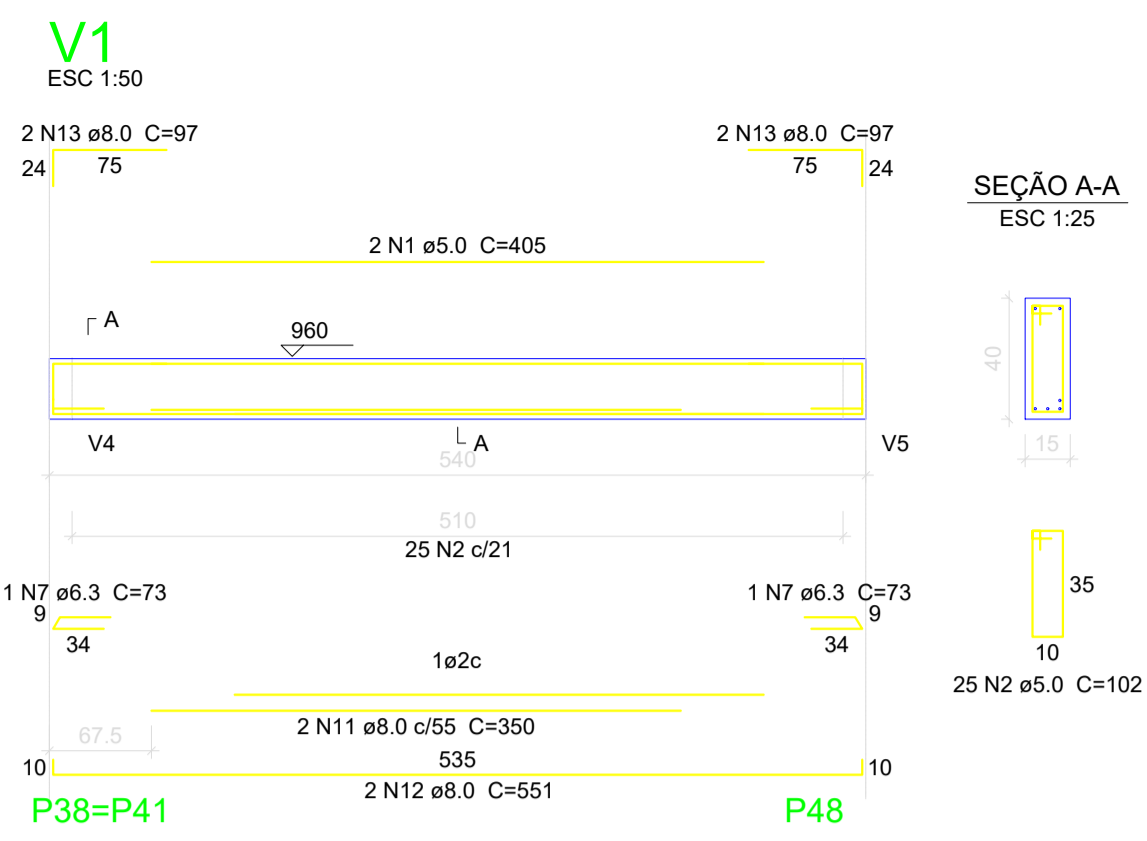
Negativos Y					
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	3	51	153
CA50	2	6.3	2	48	96
	3	6.3	6	210	1260
	4	6.3	11	127	1397
	5	6.3	30	209	6270
	6	6.3	11	603	6633
	7	6.3	16	142	2272
	8	6.3	8	319	2552
	9	6.3	21	215	4515
	10	6.3	11	411	4521
	11	6.3	63	217	13671
	12	6.3	11	511	5621
	13	6.3	11	290	3190
	14	6.3	15	219	3285
	15	6.3	11	730	8030

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	633.2	170.4
CA60	5.0	1.6	0.3
PESO TOTAL (kg)			
CA50			170.4
CA60			0.3

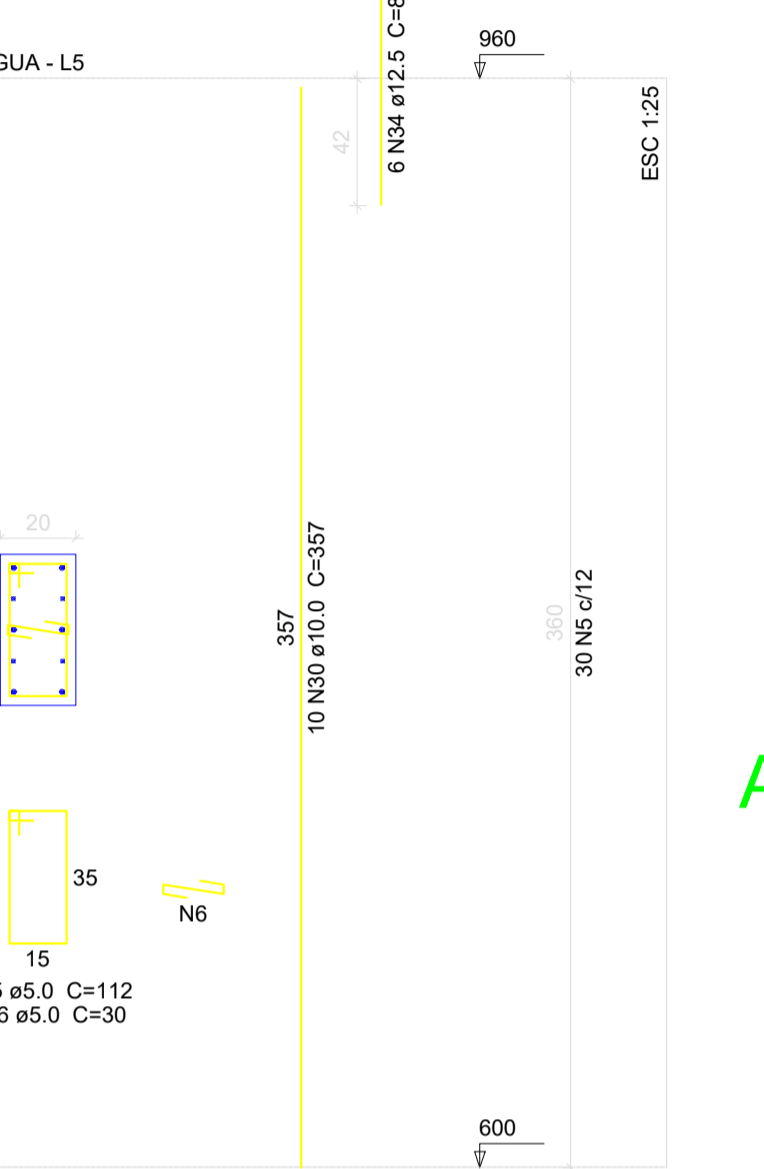
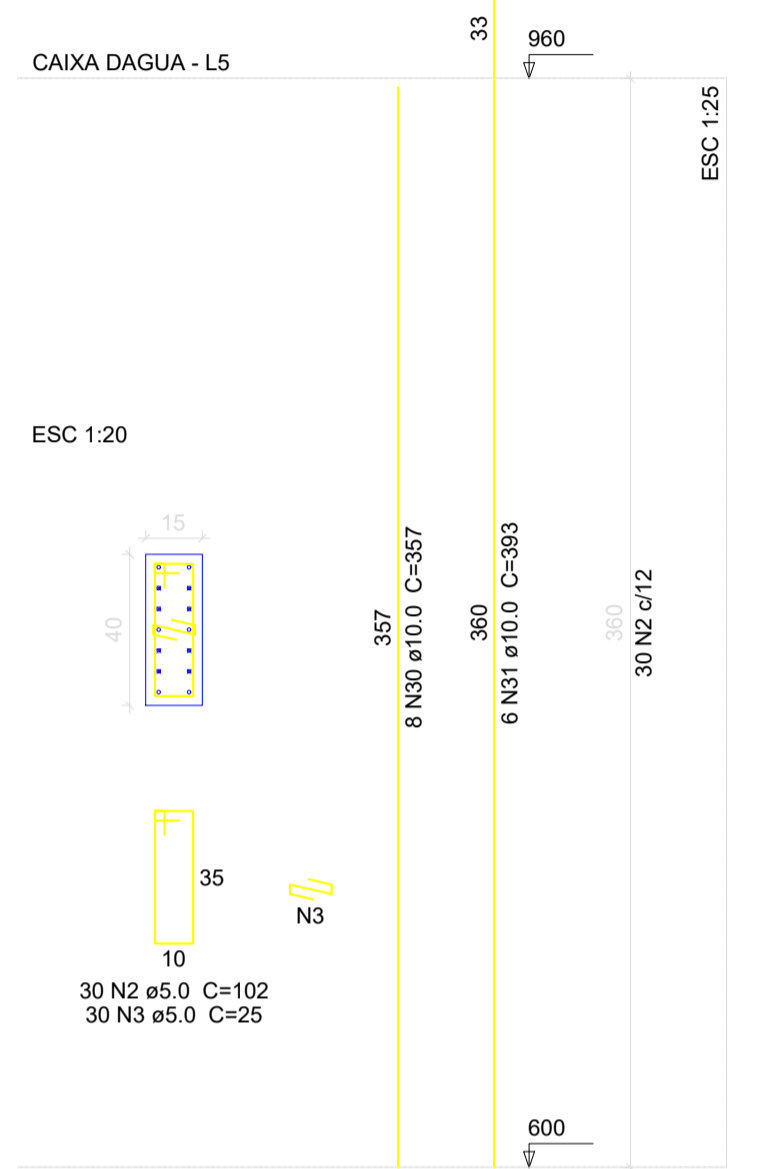
Armação negativa das lajes do pavimento 1PAVTO (Eixo Y) escala 1:75

CLIENTE		MUNICÍPIO DE CORREIA PINTO CAPJ 75.438.655/0001-45	
RESP. TÉCNICO	DIEFERSON BRANGER:00897449932	Assinatura eletrônica digital por DIEFERSON BRANGER:00897449932 Dados: 2021.11.18 09:25:46 -03'00'	
PROJETO			
PROJETO ESTRUTURAL			
CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.		DESENHO	CONF.
		MARCOS B.	
		DATA	
DISCRIMINAÇÃO DO DESENHO		ESCALA	APROV. ARG.
DETALHES PAVTO		INDICADAS	
		PRANCHA	
		EST. 32/50	

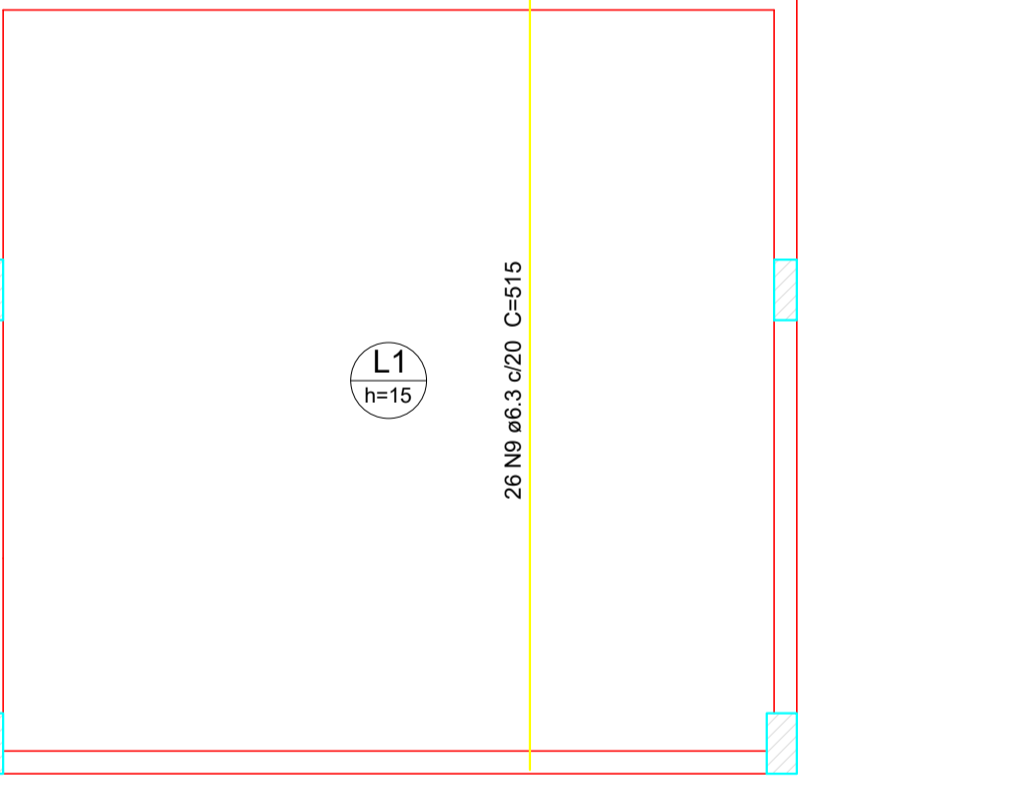
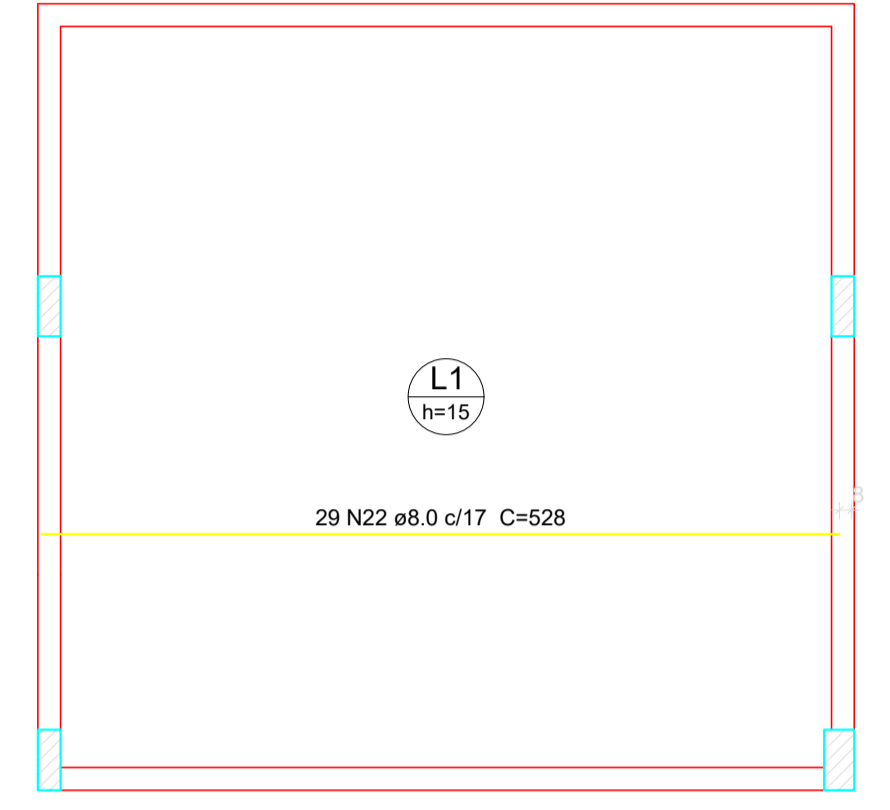


Relação do aço

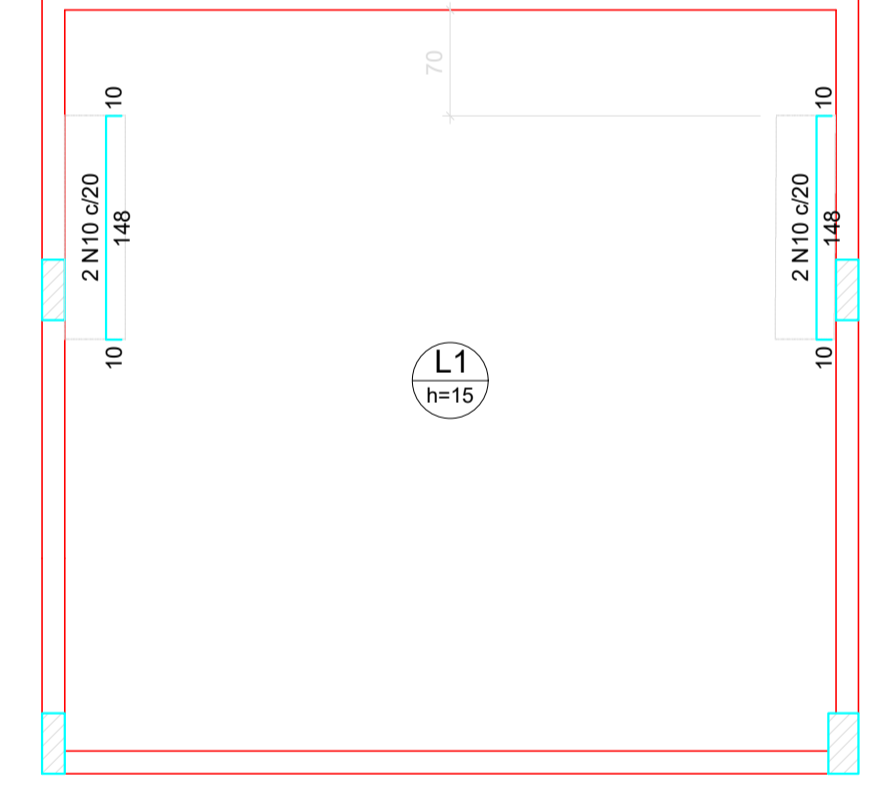
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	2	405	810
CA60	2	5.0	178	102	18156
CA60	3	5.0	60	25	1500
CA60	4	5.0	24	25	600
CA60	5	5.0	30	112	3360
CA60	6	5.0	30	30	900
CA60	7	6.3	4	73	292
CA60	8	6.3	2	83	166
CA60	9	6.3	26	515	13390
CA60	10	6.3	4	165	660
CA60	11	8.0	2	350	700
CA60	12	8.0	2	551	1102
CA60	13	8.0	4	97	368
CA60	14	8.0	2	149	298
CA60	15	8.0	2	152	304
CA60	16	8.0	5	583	2915
CA60	17	8.0	2	237	474
CA60	18	8.0	1	148	148
CA60	19	8.0	3	203	609
CA60	20	8.0	2	271	542
CA60	21	8.0	2	210	420
CA60	22	8.0	29	528	15312
CA60	23	10.0	2	554	1108
CA60	24	10.0	2	335	670
CA60	25	10.0	2	198	396
CA60	26	10.0	2	361	722
CA60	27	10.0	2	308	616
CA60	28	10.0	2	275	550
CA60	29	10.0	2	564	1128
CA60	30	10.0	26	357	9282
CA60	31	10.0	12	393	4716
CA60	32	10.0	6	67	402
CA60	33	12.5	14	402	5628
CA60	34	12.5	6	83	498



Armação positiva das lajes do pavimento CAIXA DAGUA (Eixo X) escala 1:50



Armação positiva das lajes do pavimento CAIXA DAGUA (Eixo Y) escala 1:50



Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	145.1	39.1
CA50	8.0	232.2	100.7
CA50	10.0	196.3	133.1
CA50	12.5	61.3	64.9
CA60	5.0	253.3	42.9
CA50		337.8	
CA60		42.9	

Volume de concreto (C-30) = 5.98 m³
Área de forma = 61.72 m²

Armação positiva das lajes do pavimento CAIXA DAGUA (Eixo Y) escala 1:50

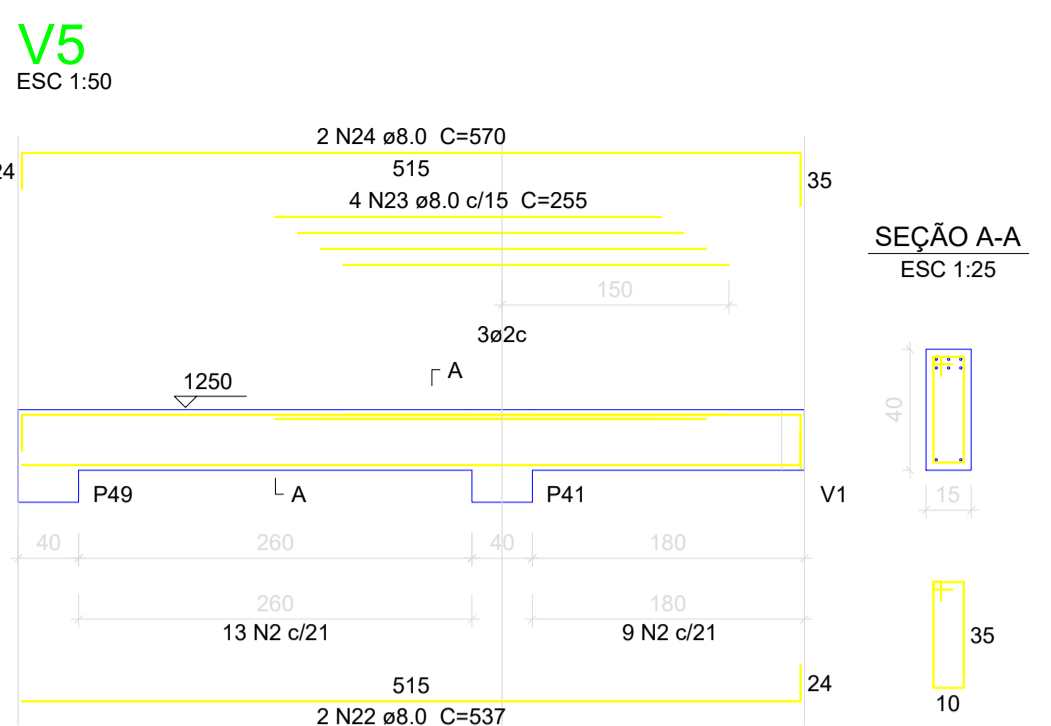
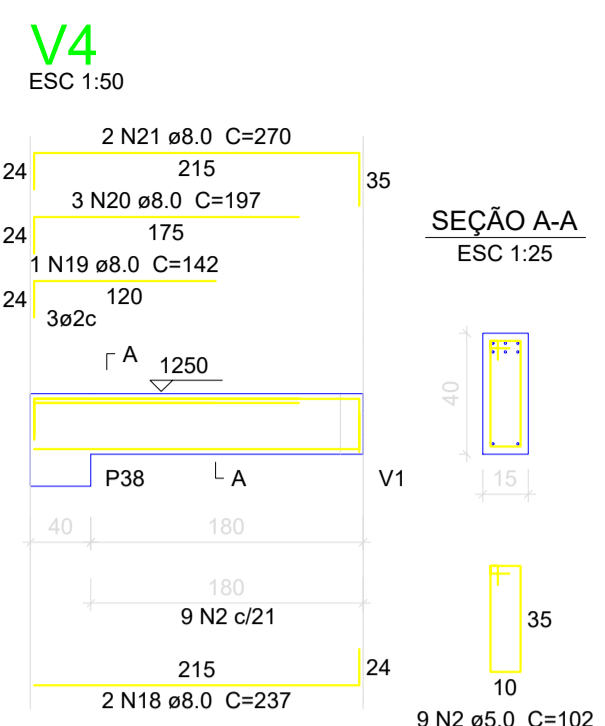
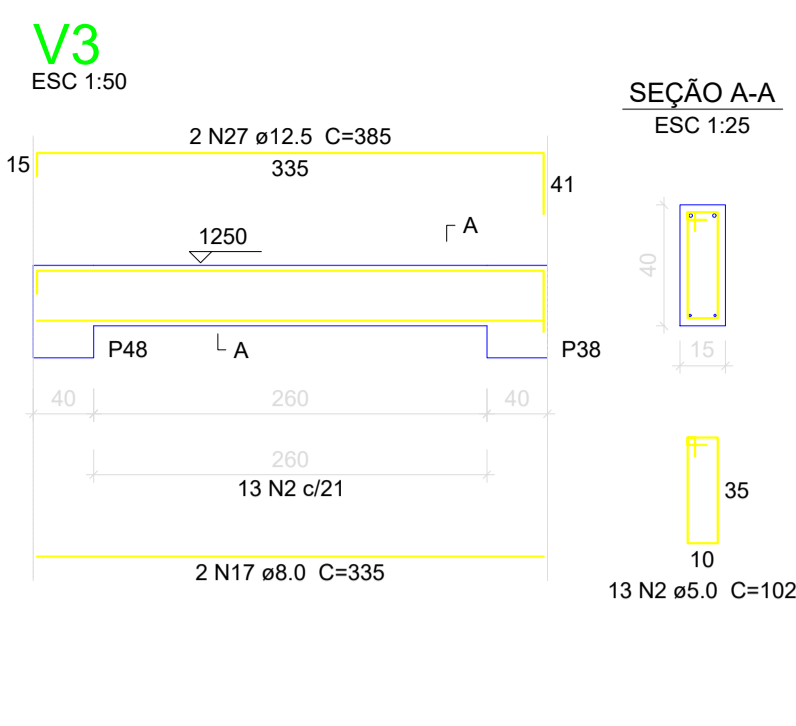
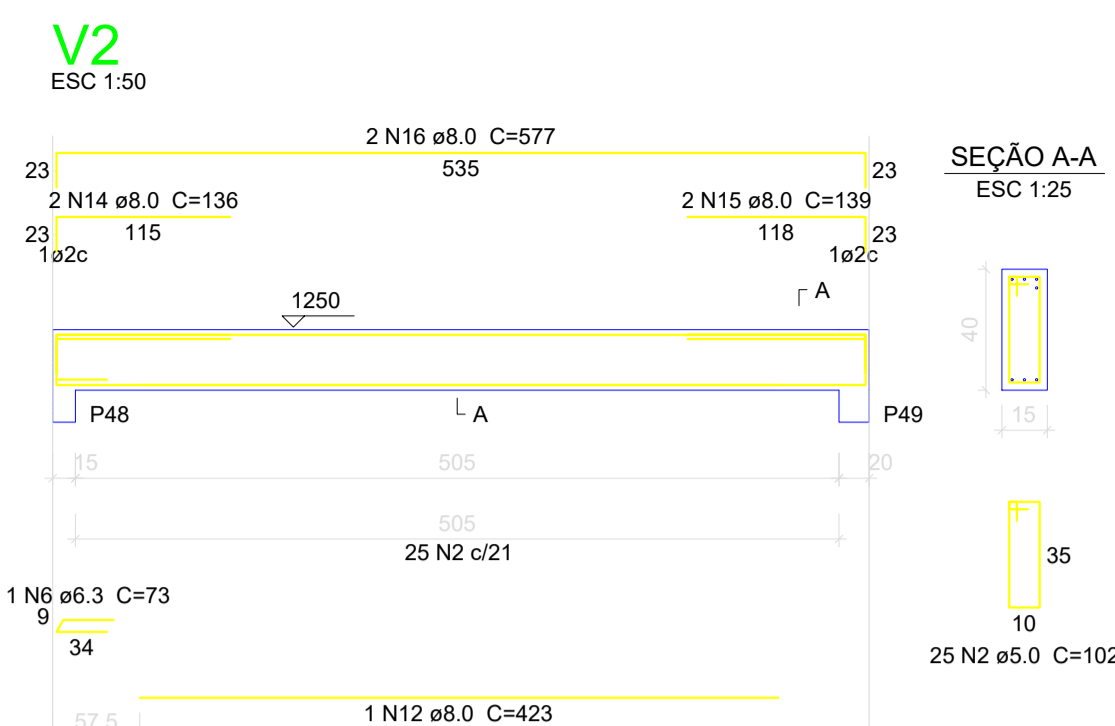
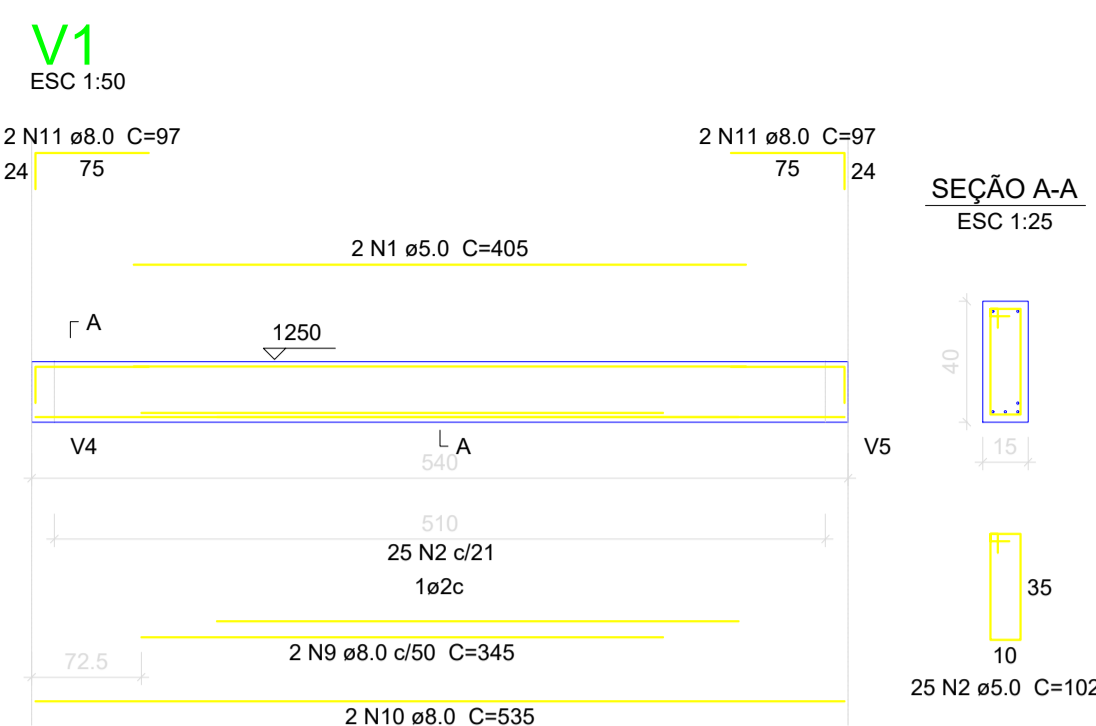
CLIENTE: MUNICÍPIO DE CORREIA PINTO - INSCRIÇÃO Nº 438.699/0001-46

RESP. TÉCNICO: DIEFERSON BRANGER/0089744932 - Assinado de forma digital por DIEFERSON BRANGER/0089744932 - Dados: 2021.11.18 09:26:40 -03'00'

PROJETO: PROJETO ESTRUTURAL

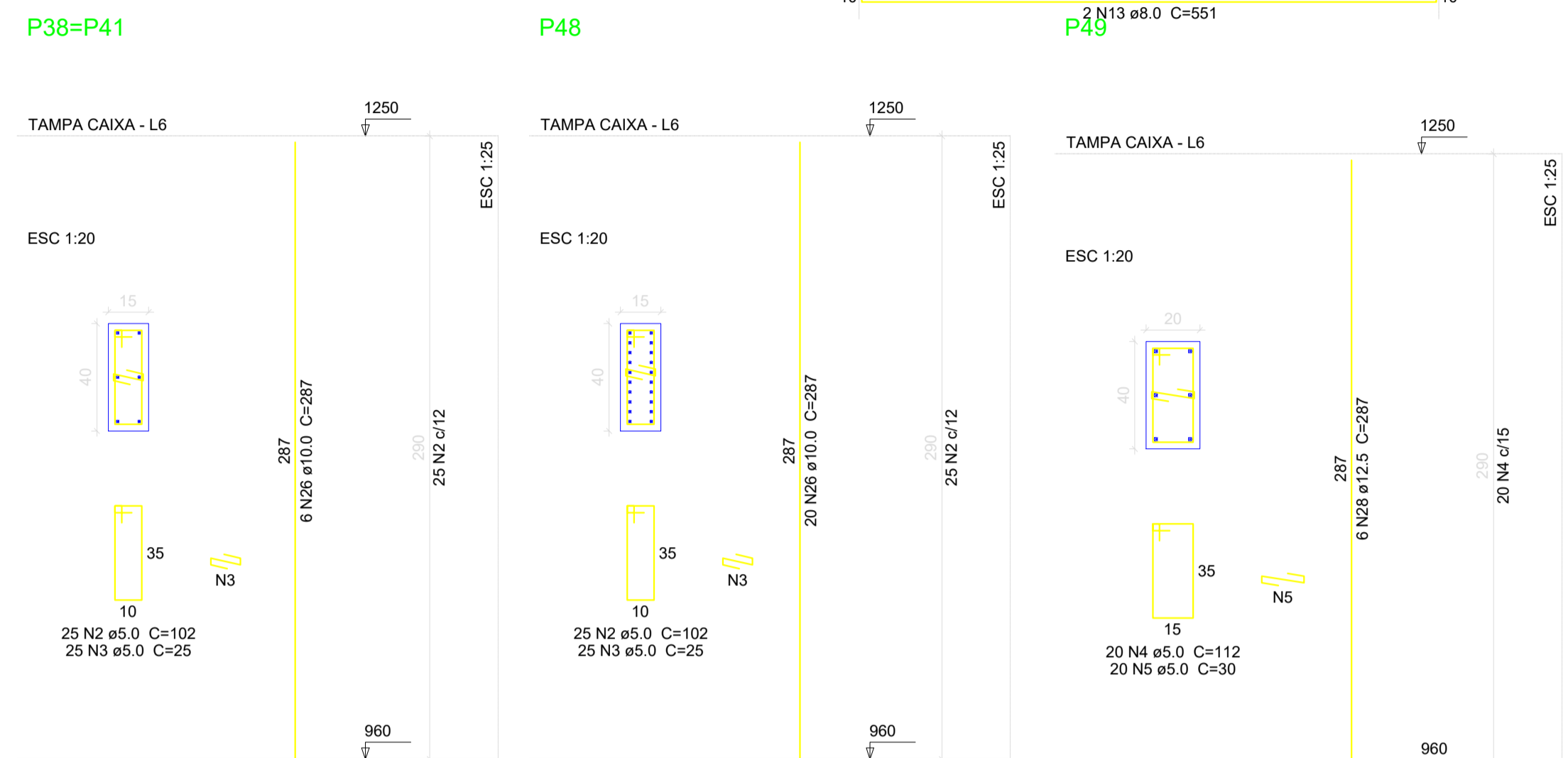
CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.

DESENHO: MARCOS B. CONF. DATA: ESCALA: INDICADAS. APROV. ARG. PRANCHAS: EST. 49/50

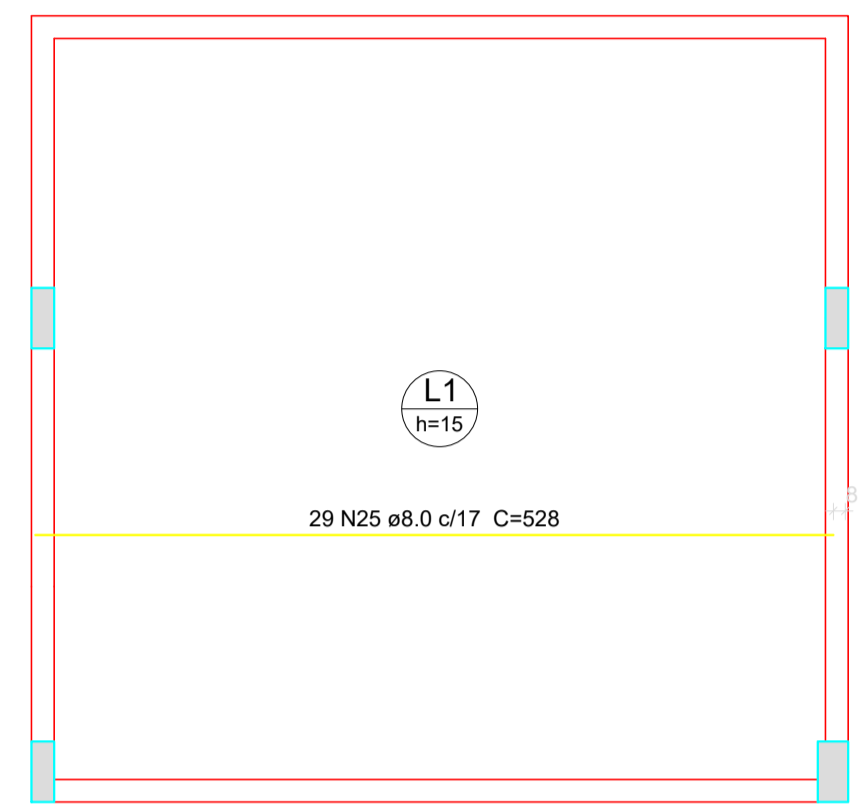


Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)	Positivos Y	
						P49	P48
CA60	1	5.0	2	405	810		
	2	5.0	169	102	17238		
	3	5.0	75	25	1875		
	4	5.0	20	112	2240		
	5	5.0	20	30	600		
CA50	6	6.3	1	73	73		
	7	6.3	26	515	13390		
	8	6.3	4	216	864		
	9	8.0	2	345	690		
	10	8.0	2	535	1070		
	11	8.0	4	97	388		
	12	8.0	1	423	423		
	13	8.0	2	551	1102		
	14	8.0	2	136	272		
	15	8.0	2	139	278		
	16	8.0	2	577	1154		
	17	8.0	2	335	670		
	18	8.0	2	237	474		
19	8.0	1	142	142			
20	8.0	3	197	591			
21	8.0	2	270	540			
22	8.0	2	537	1074			
23	8.0	4	255	1020			
24	8.0	2	570	1140			
25	8.0	29	528	15312			
26	10.0	32	287	9184			
27	12.5	2	385	770			
28	12.5	6	287	1722			



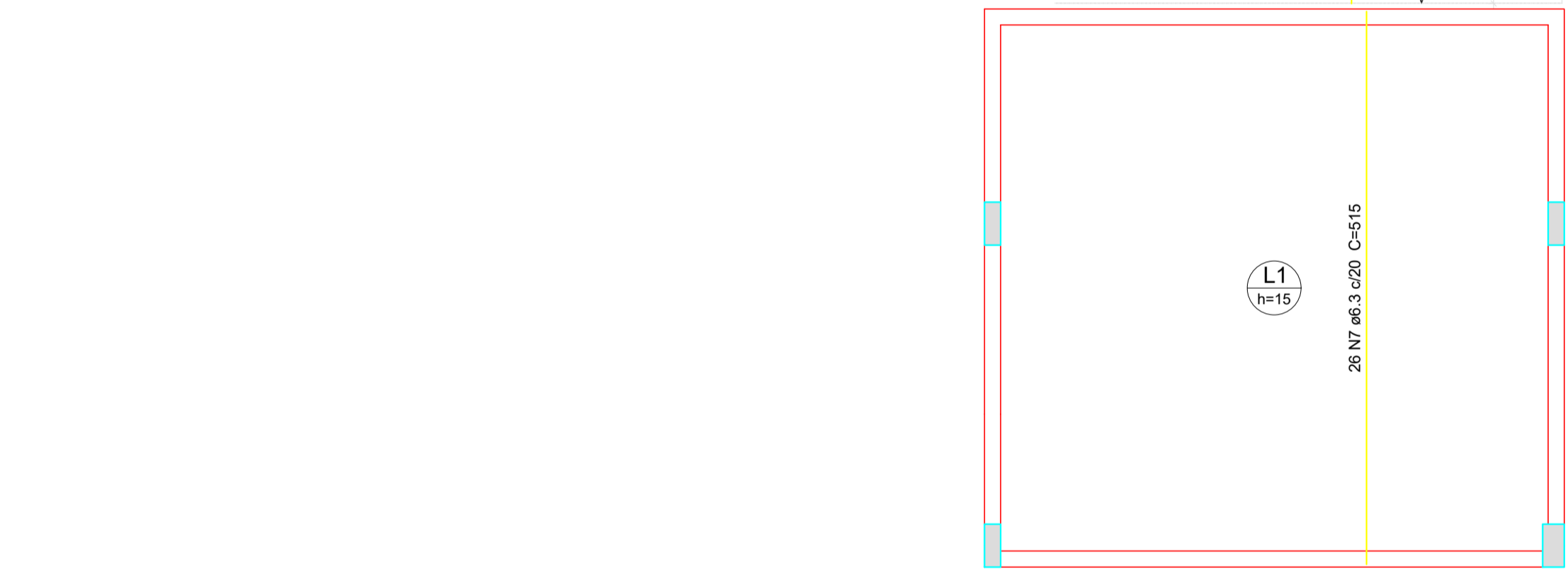
Armação positiva das lajes do pavimento TAMPA CAIXA (Eixo X) escala 1:50



Resumo do aço

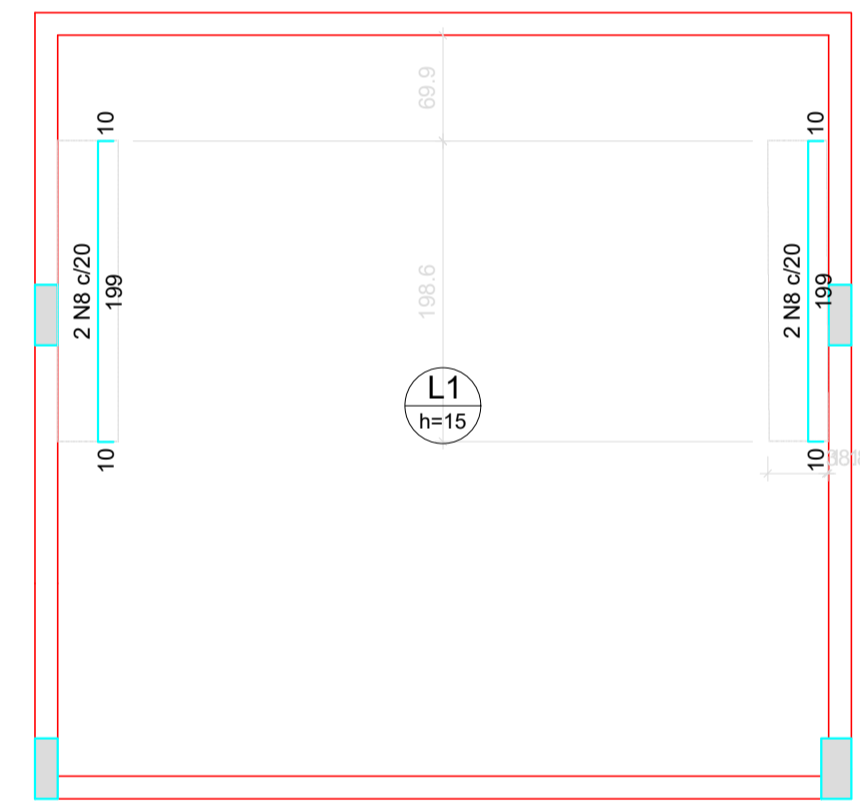
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	143.3	38.6
	8.0	263.4	114.3
	10.0	91.9	62.3
	12.5	25	26.4
CA60	5.0	227.7	38.6
PESO TOTAL (kg)			
CA50		241.6	
CA60		38.6	

Volume de concreto (C-30) = 5.8 m³
Área de forma = 58.57 m²



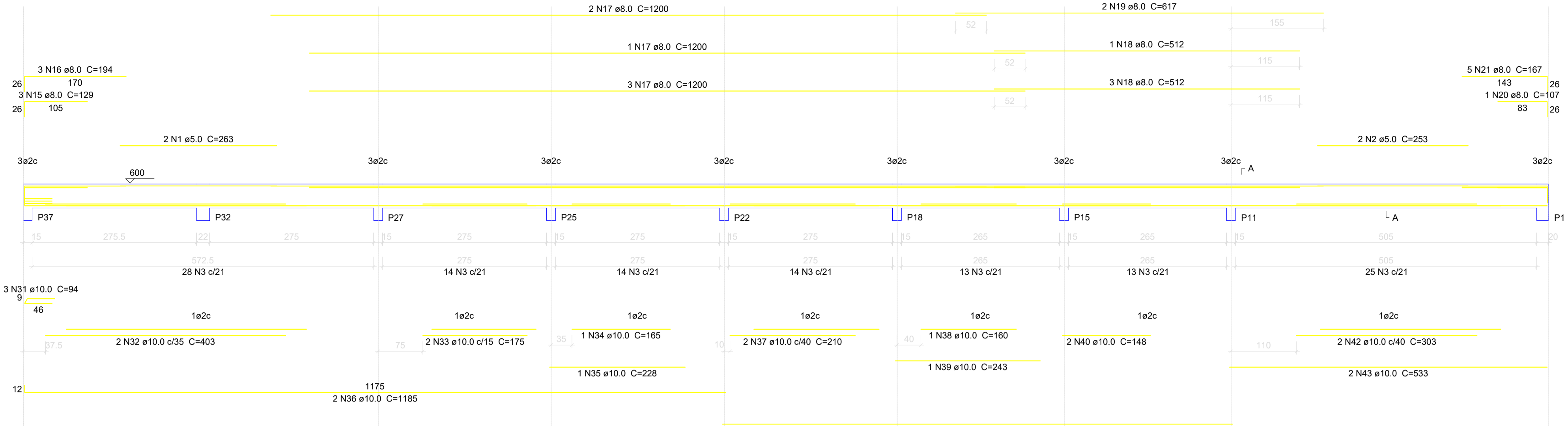
Armação positiva das lajes do pavimento TAMPA CAIXA (Eixo Y) escala 1:50

Armação negativa das lajes do pavimento TAMPA CAIXA (Eixo Y) escala 1:50

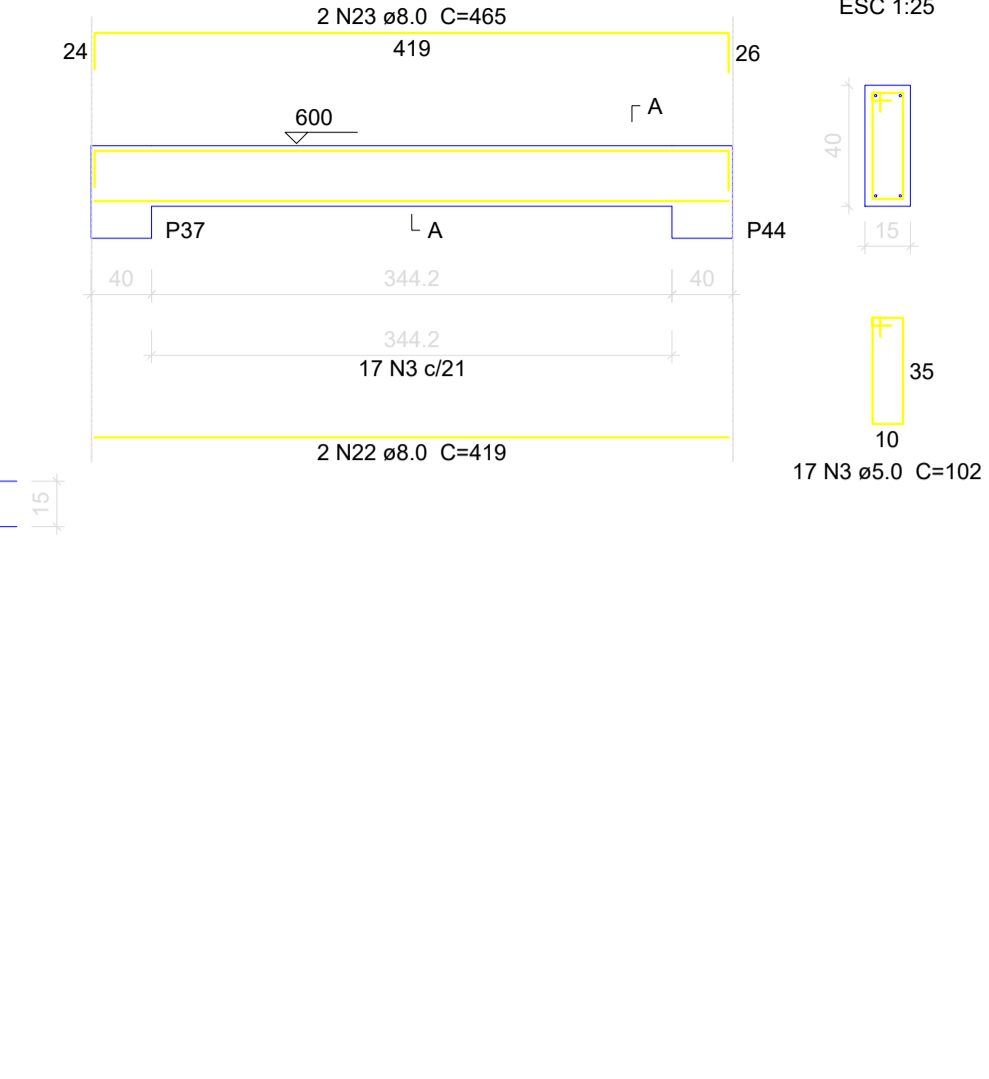


CLIENTE		MUNICÍPIO DE CORREIA PINTO CAPJ 79.438.655/0001-46	
RESP. TÉCNICO	DIEFERSON BRANGER-00897449932	Assinado de forma digital por DIEFERSON BRANGER-00897449932 Dados: 2021.11.18 09:27:19 -03'00'	B CONSTRUTORA RANGER
PROJETO			
PROJETO ESTRUTURAL			
CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.		DESENHO	CONF.
		MARCOS B.	
		DATA	
DISCRIMINAÇÃO DO DESENHO		ESCALA	APROV. ARG.
DETALHES CAIXA D'ÁGUA		INDICADAS	
		FRANCHA	
EST. 50/50			

V11
ESC 1:50



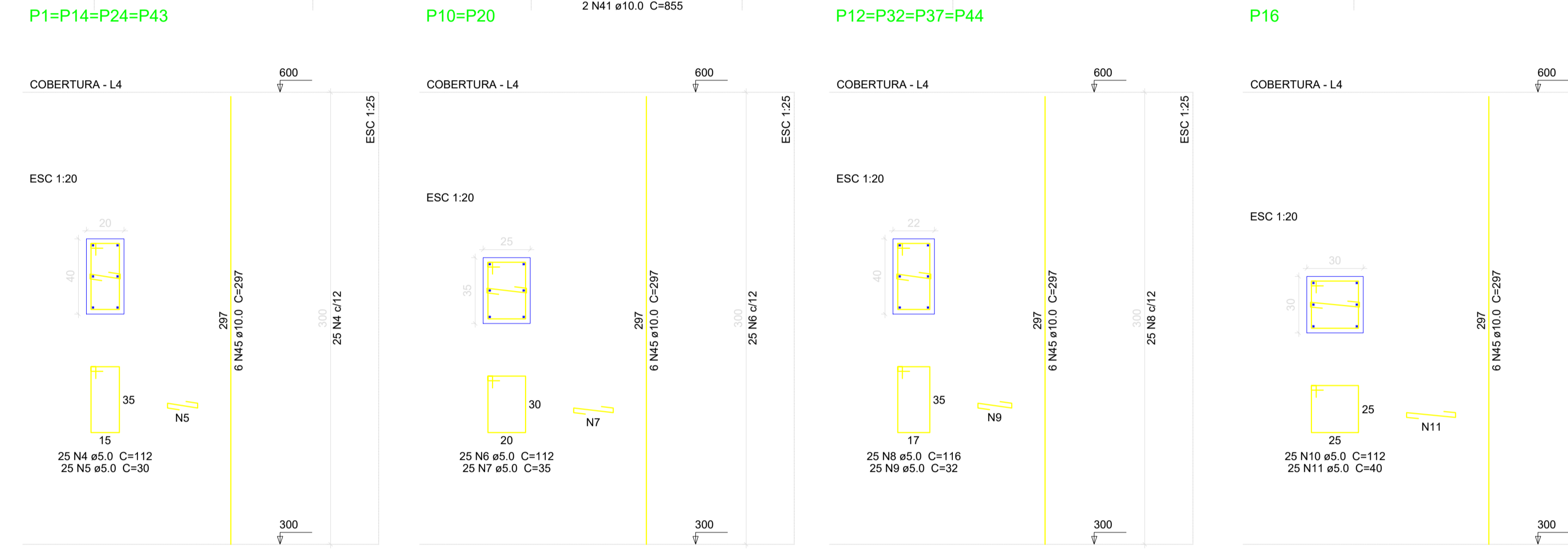
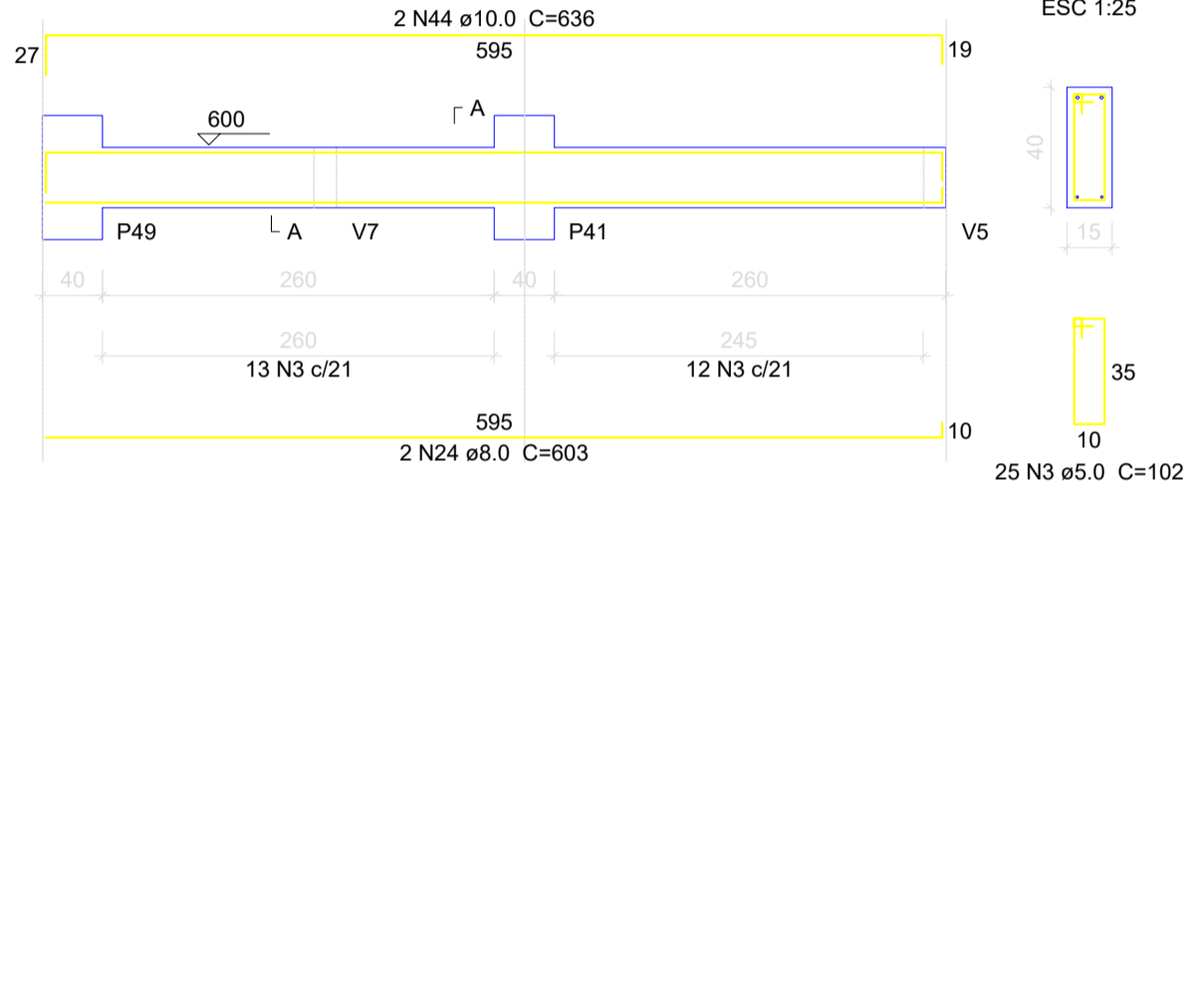
V21
ESC 1:50



Relação do aço

ACO	N	DIAM (mm)	QUANT (Barra)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	2	263	526
CA60	2	5.0	2	253	506
CA60	3	5.0	933	102	95166
CA60	4	5.0	100	112	11200
CA60	5	5.0	100	30	3000
CA60	6	5.0	100	112	5600
CA60	7	5.0	50	35	1750
CA60	8	5.0	100	116	11600
CA60	9	5.0	100	32	3200
CA60	10	5.0	25	112	2800
CA60	11	5.0	25	40	1000
CA60	12	5.0	650	25	16250
CA60	13	5.0	2	273	546
CA60	14	5.0	2	295	590
CA60	15	8.0	3	129	387
CA60	16	8.0	3	194	582
CA60	17	8.0	6	1200	7200
CA60	18	8.0	4	512	2048
CA60	19	8.0	2	617	1234
CA60	20	8.0	1	107	107
CA60	21	8.0	5	167	835
CA60	22	8.0	2	419	838
CA60	23	8.0	2	465	930
CA60	24	8.0	2	603	1206
CA60	25	8.0	2	804	1608
CA60	26	8.0	2	996	1992
CA60	27	8.0	2	1002	2004
CA60	28	8.0	2	215	430
CA60	29	8.0	1	150	150
CA60	30	8.0	2	508	1016
CA60	31	10.0	3	94	282
CA60	32	10.0	2	403	806
CA60	33	10.0	2	175	350
CA60	34	10.0	1	165	165
CA60	35	10.0	1	228	228
CA60	36	10.0	2	1185	2370
CA60	37	10.0	2	210	420
CA60	38	10.0	1	160	160
CA60	39	10.0	1	243	243
CA60	40	10.0	2	148	296
CA60	41	10.0	2	855	1710
CA60	42	10.0	2	303	606
CA60	43	10.0	2	533	1066
CA60	44	10.0	2	636	1272
CA60	45	10.0	210	297	62370
CA60	46	10.0	2	1200	2400
CA60	47	10.0	2	346	692
CA60	48	10.0	16	67	1072
CA60	49	10.0	12	333	3996

V19
ESC 1:50

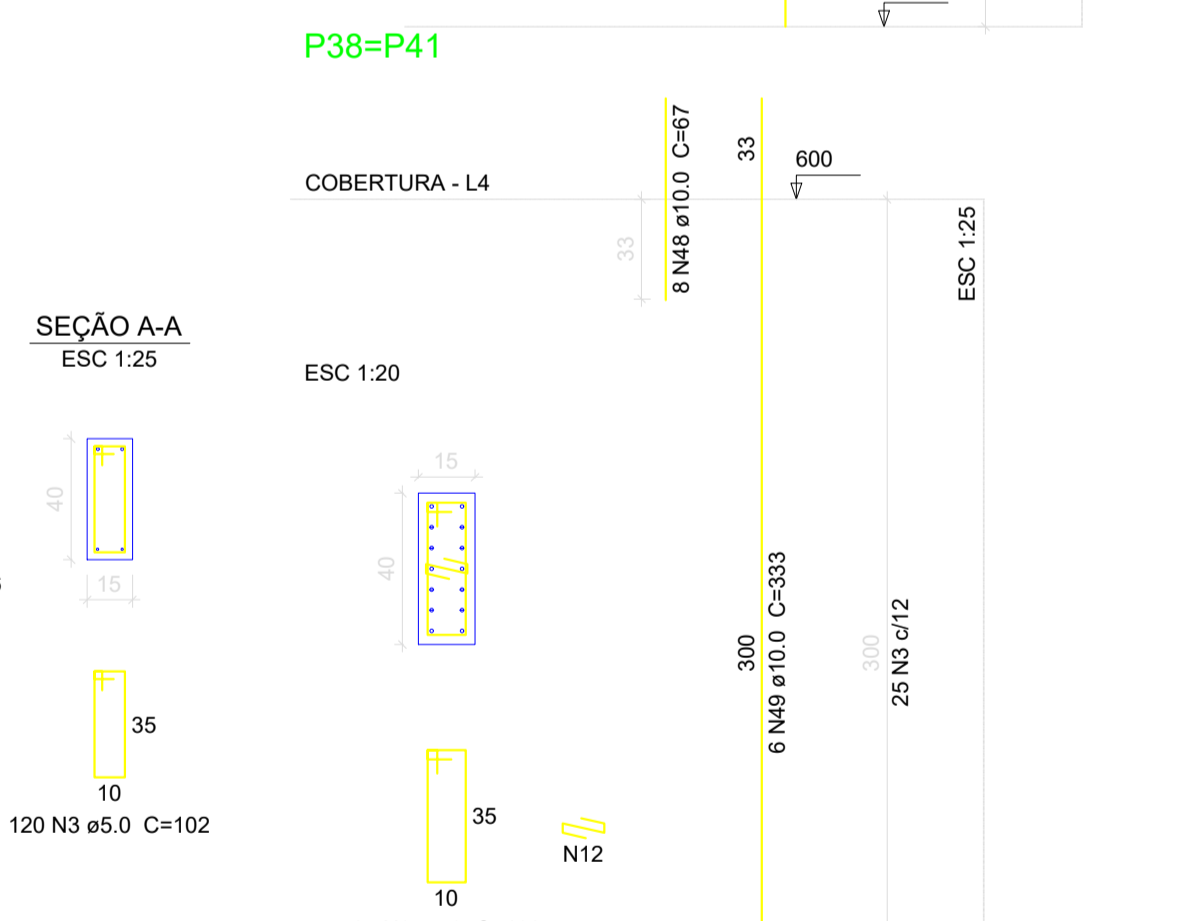
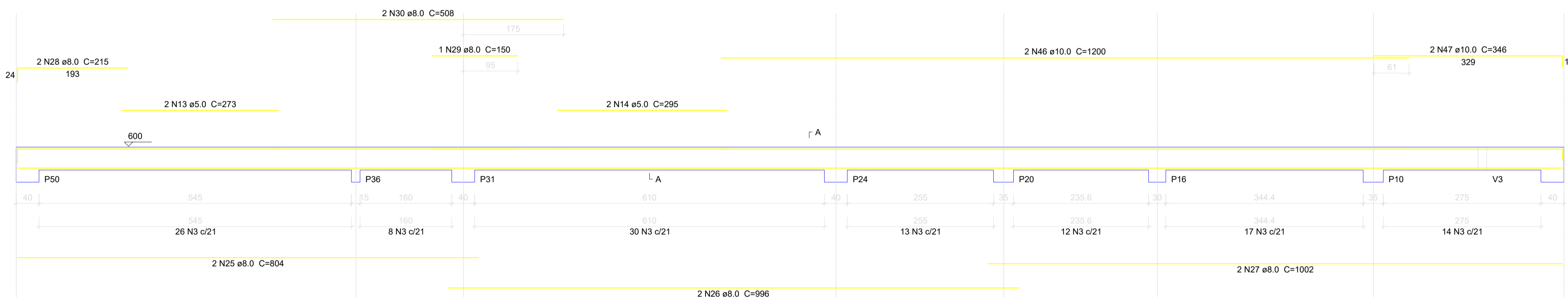


Resumo do aço

ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	225.7	98
CA50	10.0	805.1	546
CA60	5.0	1537.4	260.7
PESO TOTAL (kg)			
CA50		643.9	
CA60		260.7	

Volume de concreto (C-30) = 11.26 m³
Área de forma = 174.05 m²

V20
ESC 1:50



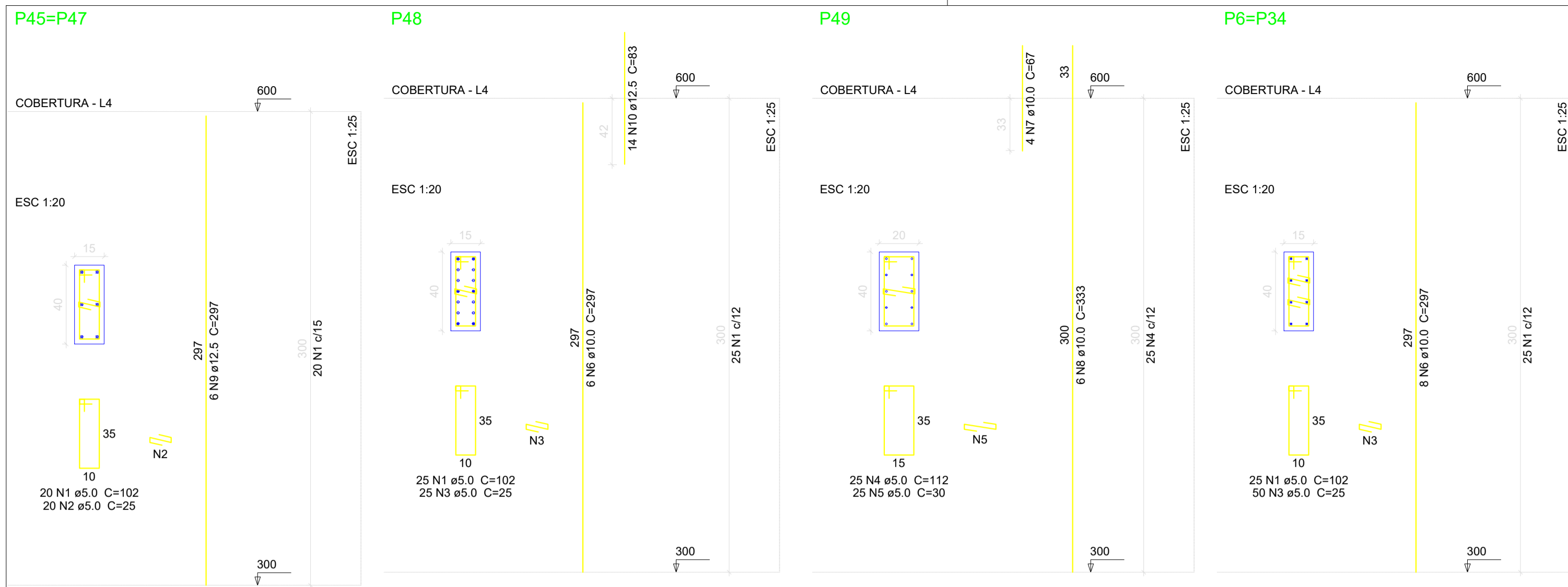
CLIENTE: MUNICÍPIO DE CORREIA PINTO CAPJ 75.438.695/0001-46

RESP. TÉCNICO: DIEFERSON BRANGER/00897449932
Assinado de forma digital por DIEFERSON BRANGER/00897449932
Dados: 2021.11.18 09:30:05 -03'00'

PROJETO: **PROJETO ESTRUTURAL**

CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.

DESENHO: MARCOS B. CONF. DATA: ESCALA: INDICADAS APROV. ARG. PRANCHAS: EST. 41/50



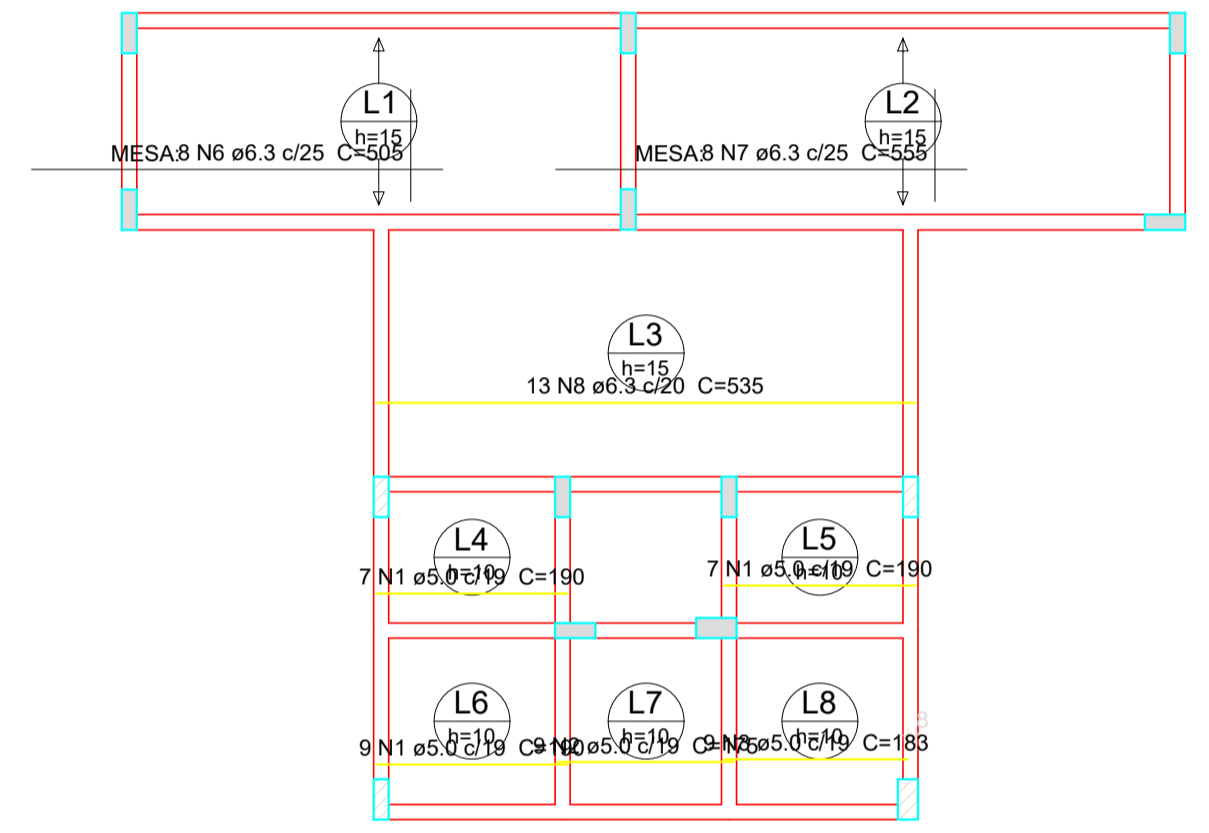
Relação do aço

2xP6 P49		2xP45		P48	
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	115	102	11730
	2	5.0	40	25	1000
	3	5.0	125	25	3125
	4	5.0	25	112	2800
	5	5.0	25	30	750
CA50	6	10.0	22	297	6534
	7	10.0	4	67	268
	8	10.0	6	333	1998
	9	12.5	12	297	3564
	10	12.5	14	83	1162

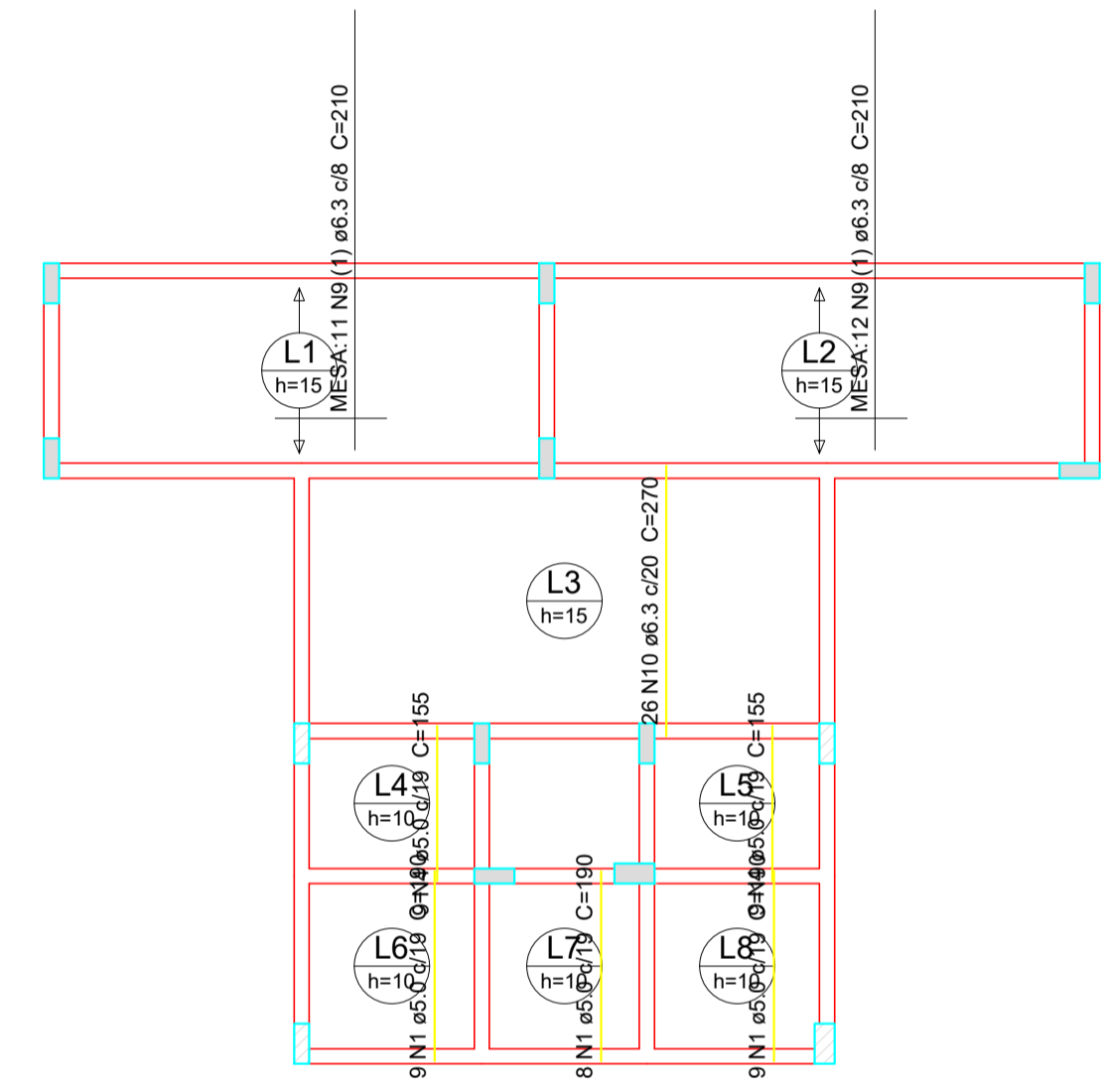
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	88	59.7
CA60	12.5	47.3	50.1
PESO TOTAL (kg)		194.1	32.9
CA50		109.8	
CA60		32.9	

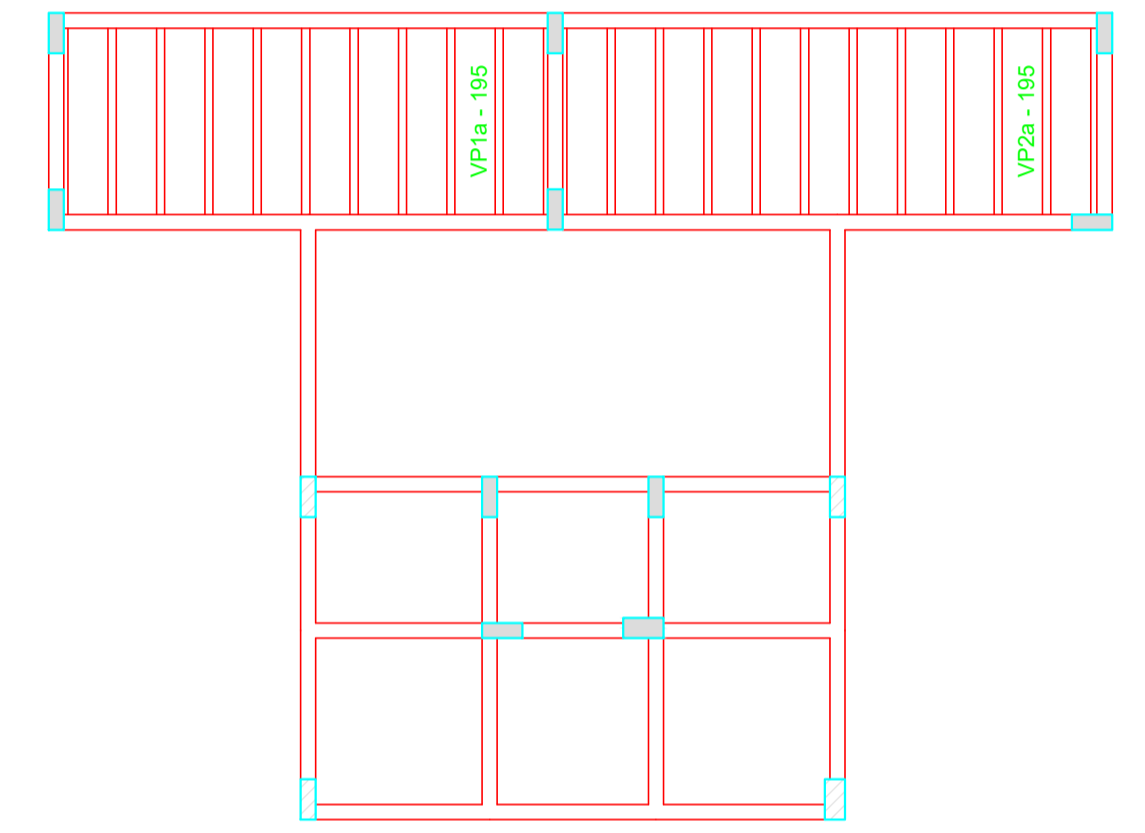
Volume de concreto (C-30) = 1.14 m³
Área de forma = 20.1 m²



Armação positiva das lajes do pavimento COBERTURA (Eixo X) escala 1:75



Armação positiva das lajes do pavimento COBERTURA (Eixo Y) escala 1:75



Planta de vigotas pré-moldadas escala 1:75

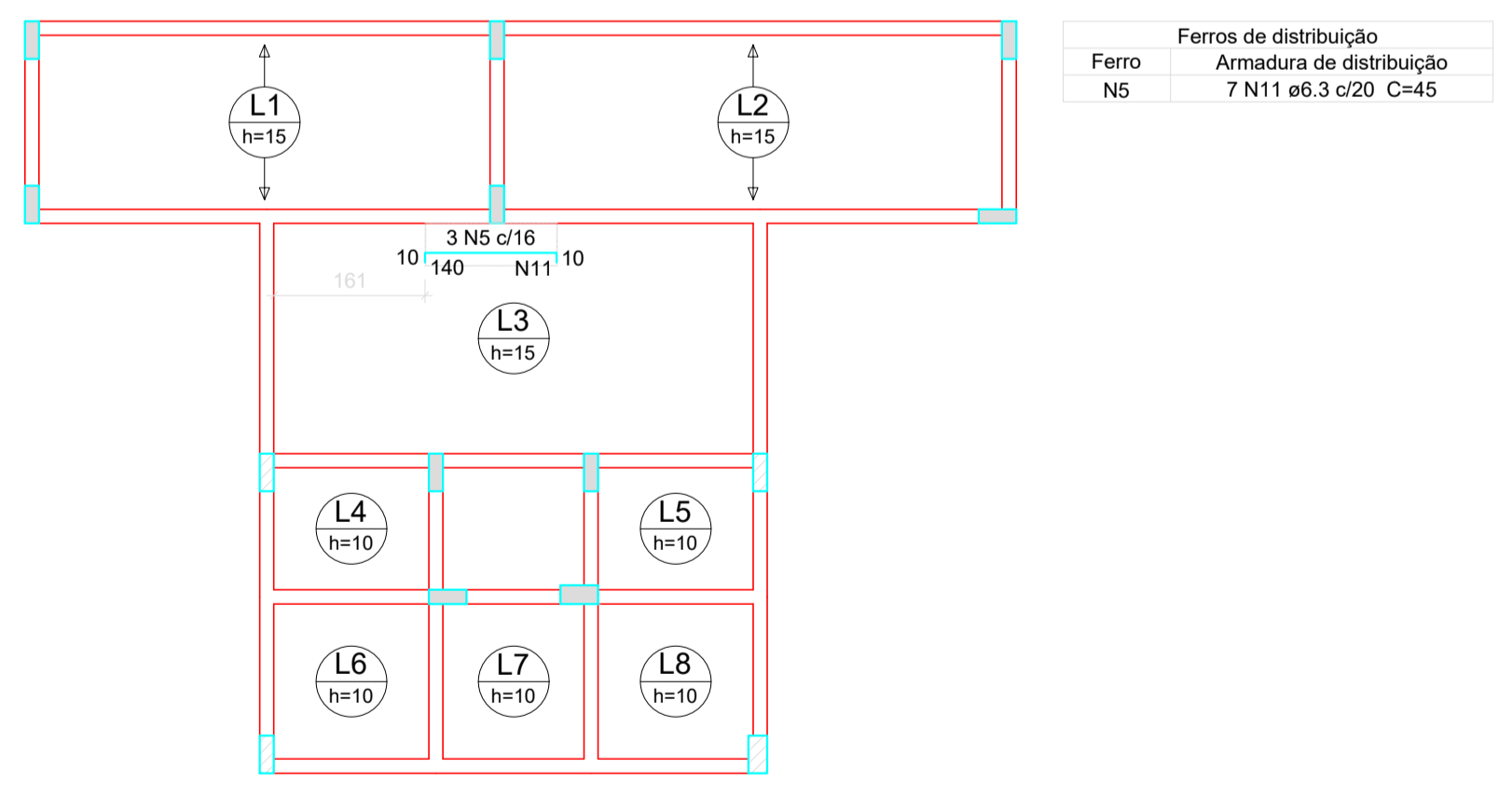
Relação do aço

Negativos X		Positivos X		Positivos Y	
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	49	190	9310
	2	5.0	9	175	1575
	3	5.0	9	183	1647
	4	5.0	18	155	2790
	5	5.0	3	158	474
CA50	6	6.3	8	505	4040
	7	6.3	8	555	4440
	8	6.3	13	535	6955
	9	6.3	23	210	4830
	10	6.3	26	270	7020
	11	6.3	7	45	315

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	276	74.3
CA60	5.0	158	26.8
PESO TOTAL (kg)			
CA50		74.3	
CA60		26.8	

Volume de concreto (C-30) = 4.05 m³
Área de forma = 24.8 m²



Armação negativa das lajes do pavimento COBERTURA (Eixo X) escala 1:75

Ferros de distribuição

Ferro	Armadura de distribuição
N5	7 N11 ø6.3 c/20 C=45

CLIENTE: MUNICÍPIO DE CORREIA PINTO CAPJ 75.438.6557 COCJ-45

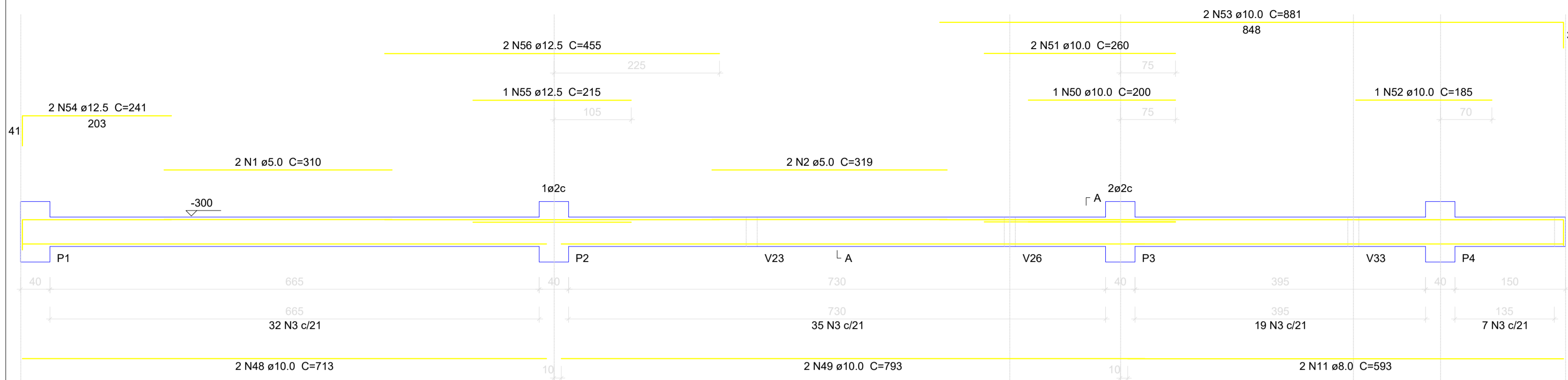
RESP. TÉCNICO: DIEFERSON BRANGER/00897449932 Assinado de forma digital por DIEFERSON BRANGER/00897449932 Dados: 2021.11.18 09:30:55 -03'00'

PROJETO: PROJETO ESTRUTURAL

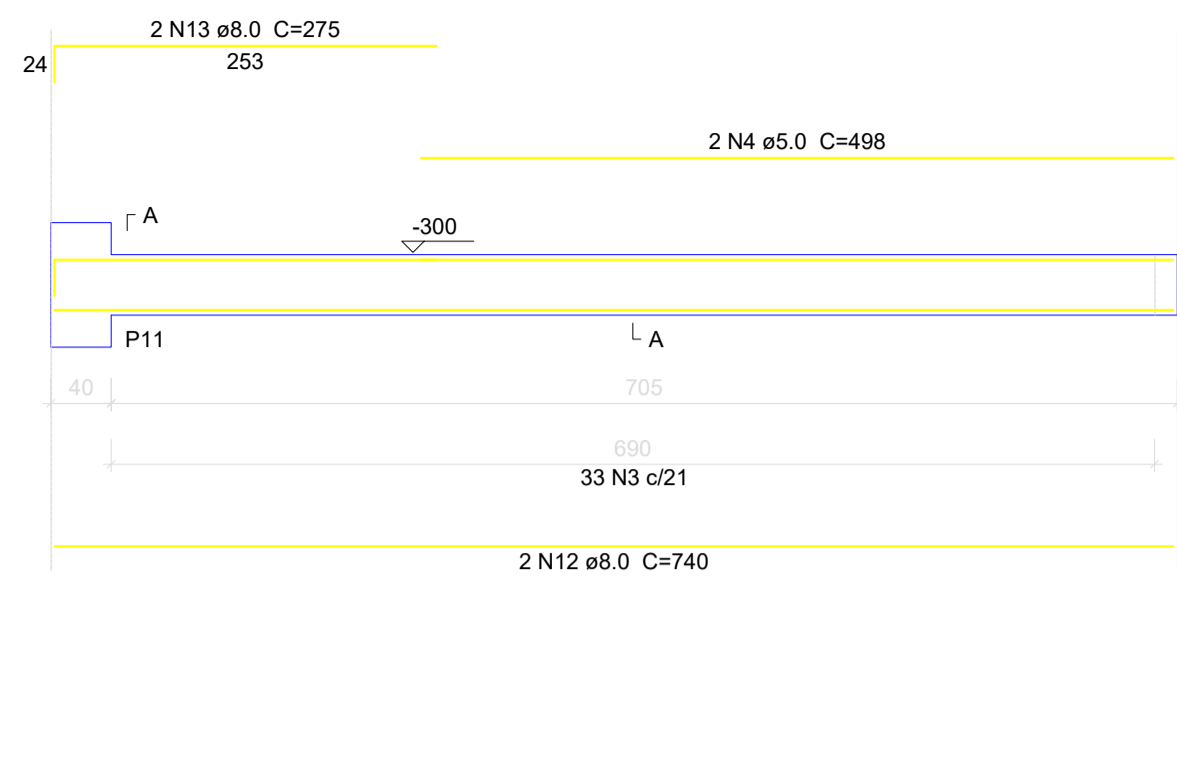
CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.

DESENHO: MARCOS B. CONF. DATA: ESCALA: INDICADAS APROV. ARG. PRANCHAS: EST. 42/50

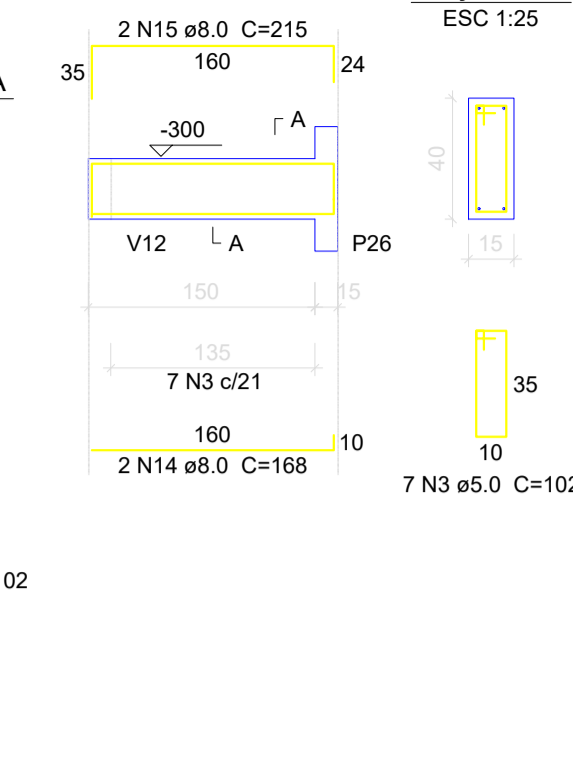
V1
ESC 1:50



V3
ESC 1:50



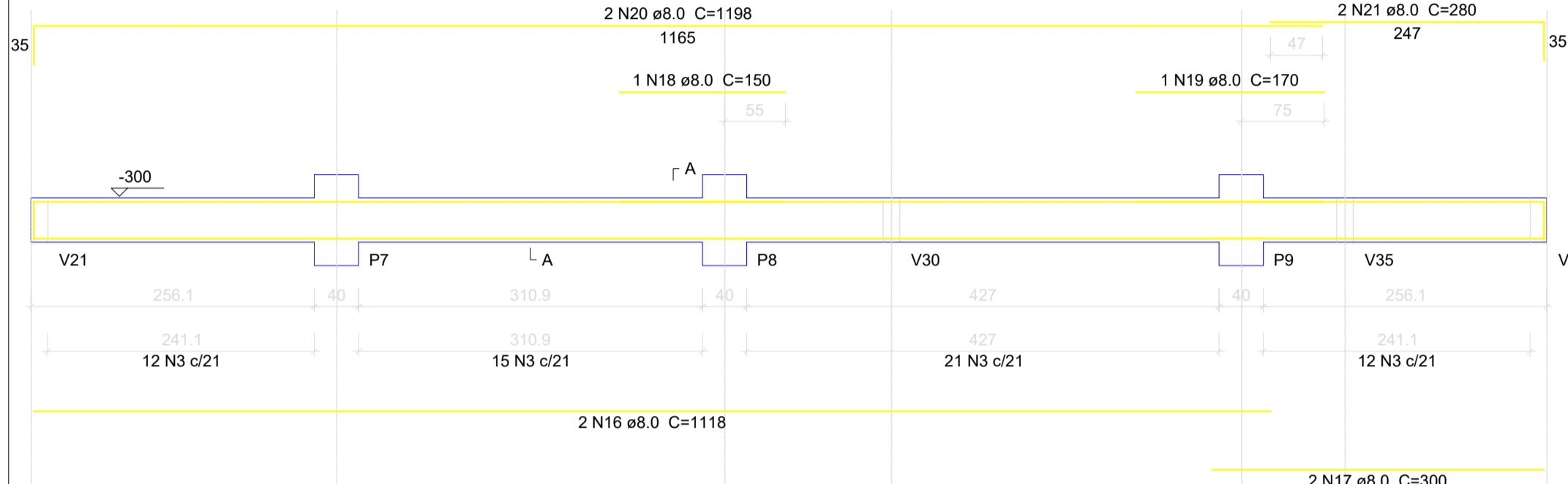
V28
ESC 1:50



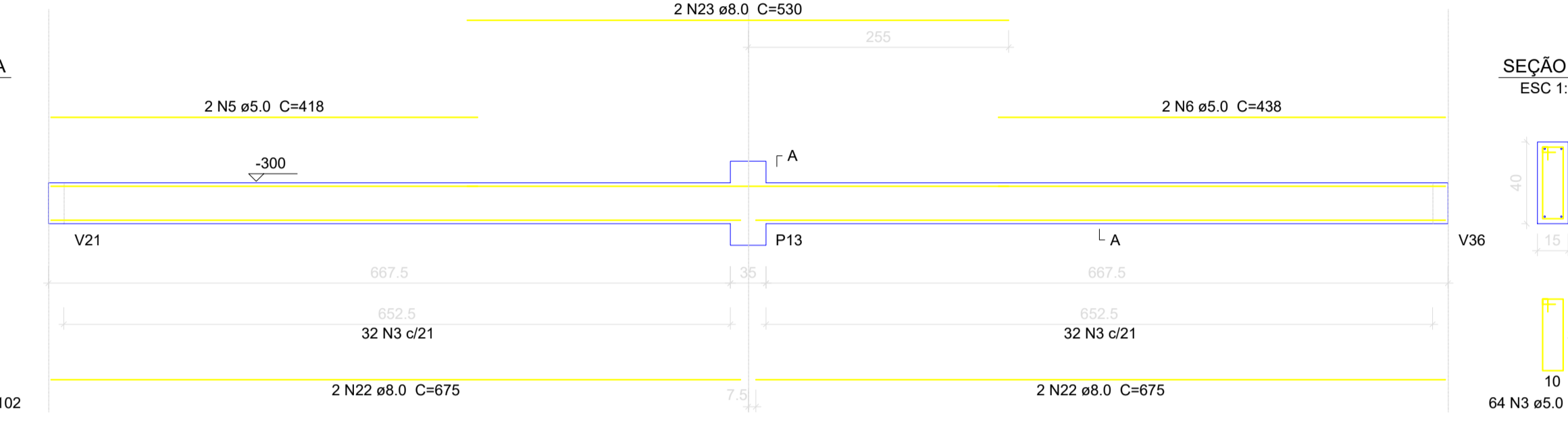
Relação do aço

CA	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	2	310	620
	2	5.0	2	319	638
	3	5.0	718	102	7326
	4	5.0	6	498	2988
	5	5.0	4	418	1672
	6	5.0	2	438	876
	7	5.0	4	393	1572
	8	5.0	2	433	866
	9	5.0	6	478	2868
CA50	10	6.3	2	73	146
	11	8.0	2	593	1186
	12	8.0	12	740	8880
	13	8.0	6	275	1650
	14	8.0	2	168	336
	15	8.0	2	215	430
	16	8.0	2	1118	2236
	17	8.0	2	300	600
	18	8.0	1	150	150
	19	8.0	1	170	170
	20	8.0	2	1198	2396
	21	8.0	2	280	560
	22	8.0	4	675	2700
	23	8.0	2	530	1060
	24	8.0	2	206	412
	25	8.0	2	234	468
	26	8.0	4	670	2680
	27	8.0	2	560	1120
	28	8.0	4	295	1180
	29	8.0	4	673	2692
	30	8.0	2	575	1150
	31	8.0	2	296	592
	32	8.0	2	850	1700
	33	8.0	2	577	1154
	34	8.0	2	1198	2396
	35	8.0	2	259	518
	36	8.0	2	371	742
	37	8.0	2	399	798
	38	8.0	2	317	634
	39	8.0	2	350	700
	40	8.0	2	210	420
	41	8.0	2	254	508
	42	8.0	2	595	1190
	43	8.0	2	639	1278
	44	8.0	2	295	590
	45	8.0	2	339	678
	46	8.0	2	545	1090
	47	8.0	2	589	1178
	48	10.0	2	713	1426
	49	10.0	2	793	1586
	50	10.0	1	200	200
	51	10.0	2	260	520
	52	10.0	1	185	185
	53	10.0	2	881	1762
	54	12.5	2	241	482
	55	12.5	1	215	215
	56	12.5	2	455	910

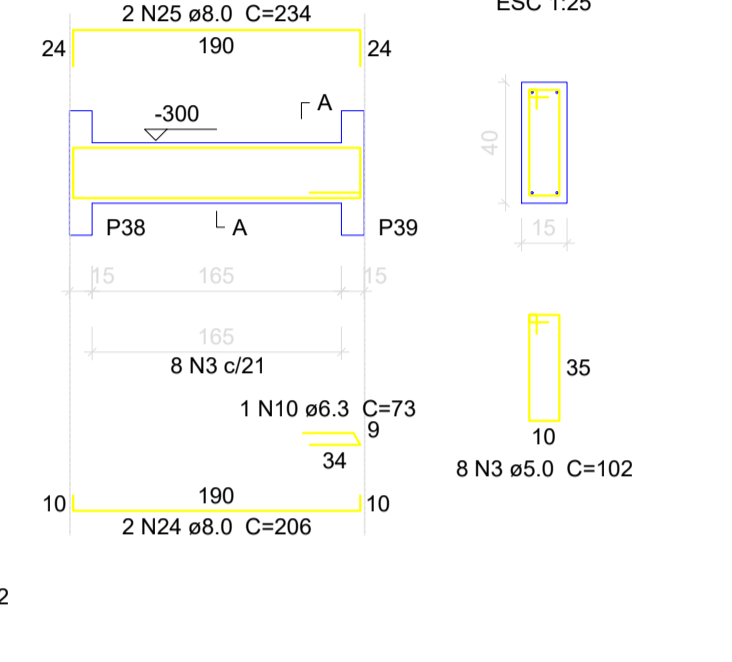
V2
ESC 1:50



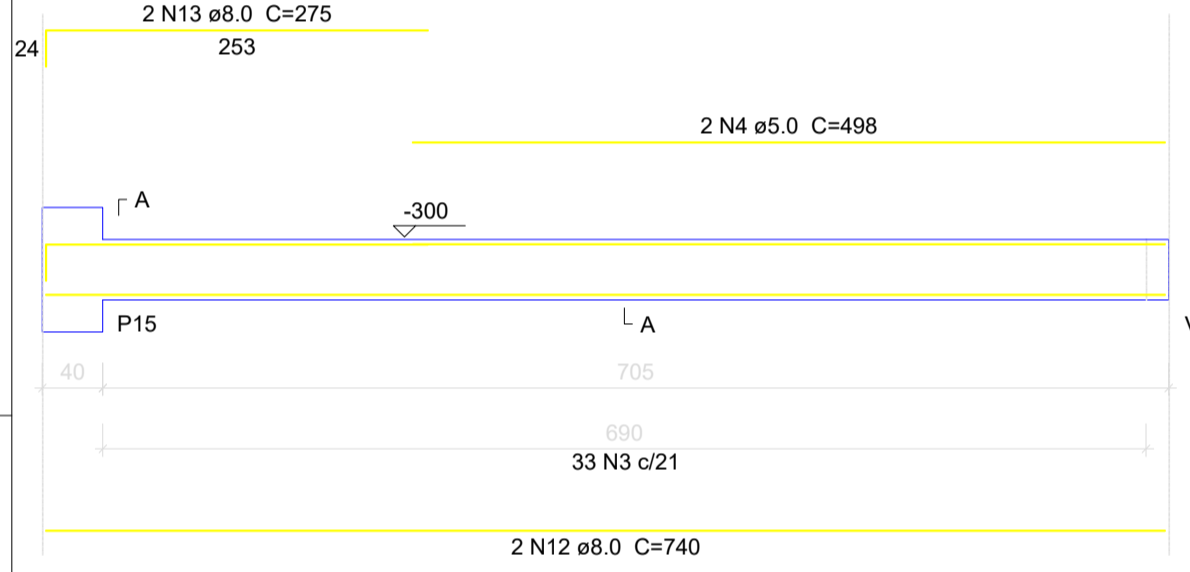
V4
ESC 1:50



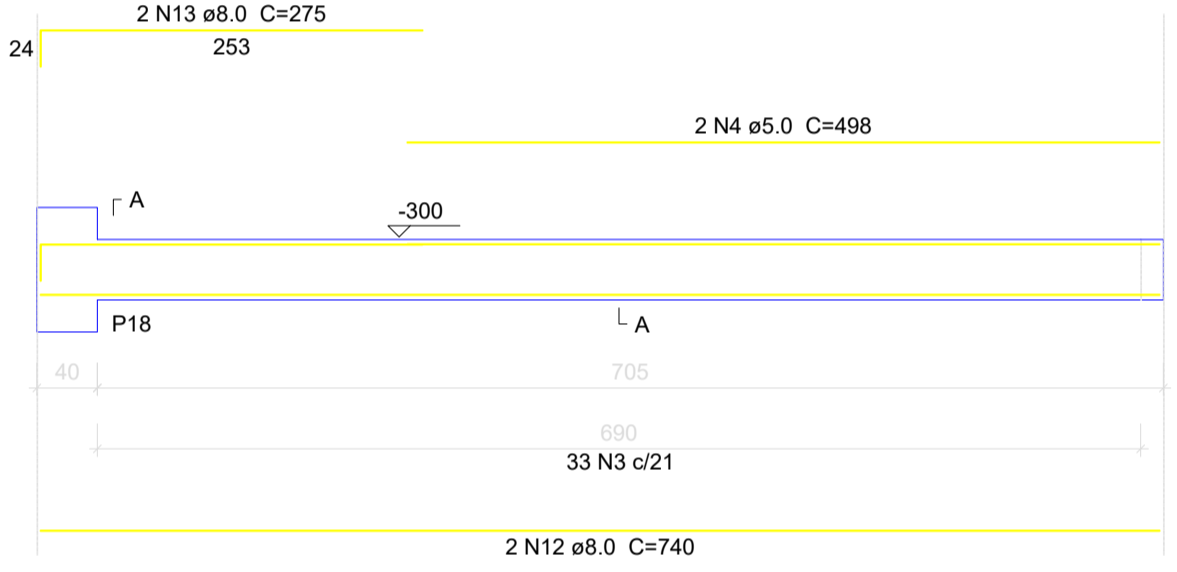
V16
ESC 1:50



V5
ESC 1:50



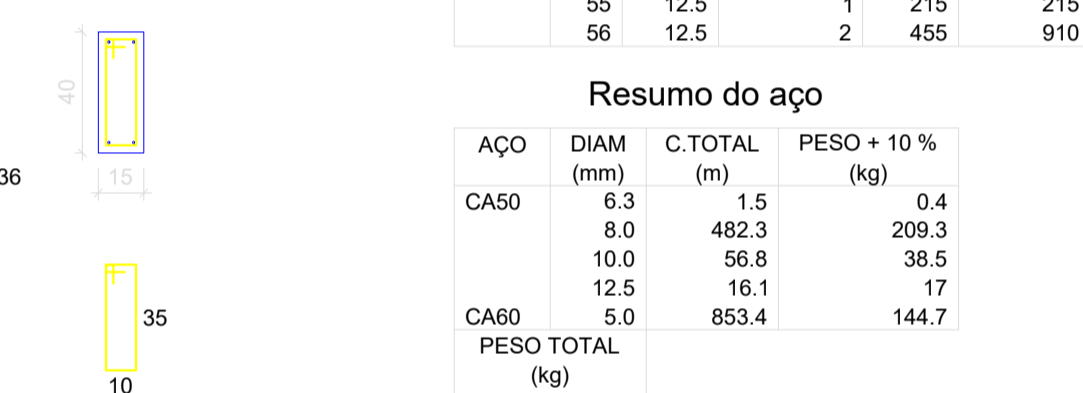
V6
ESC 1:50



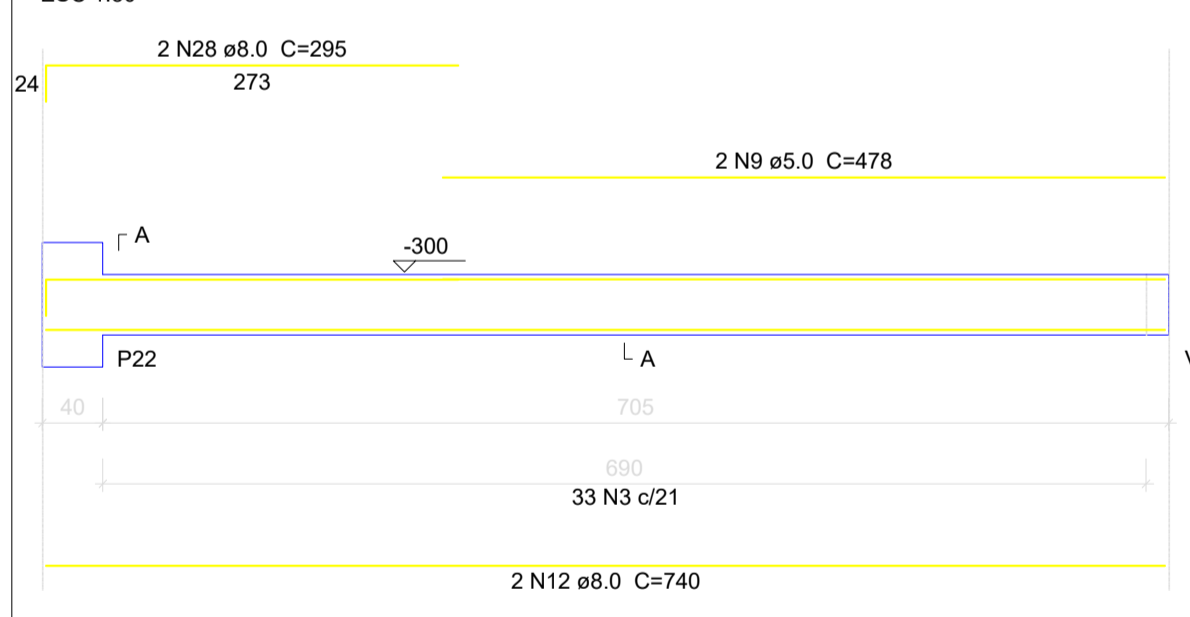
V7
ESC 1:50



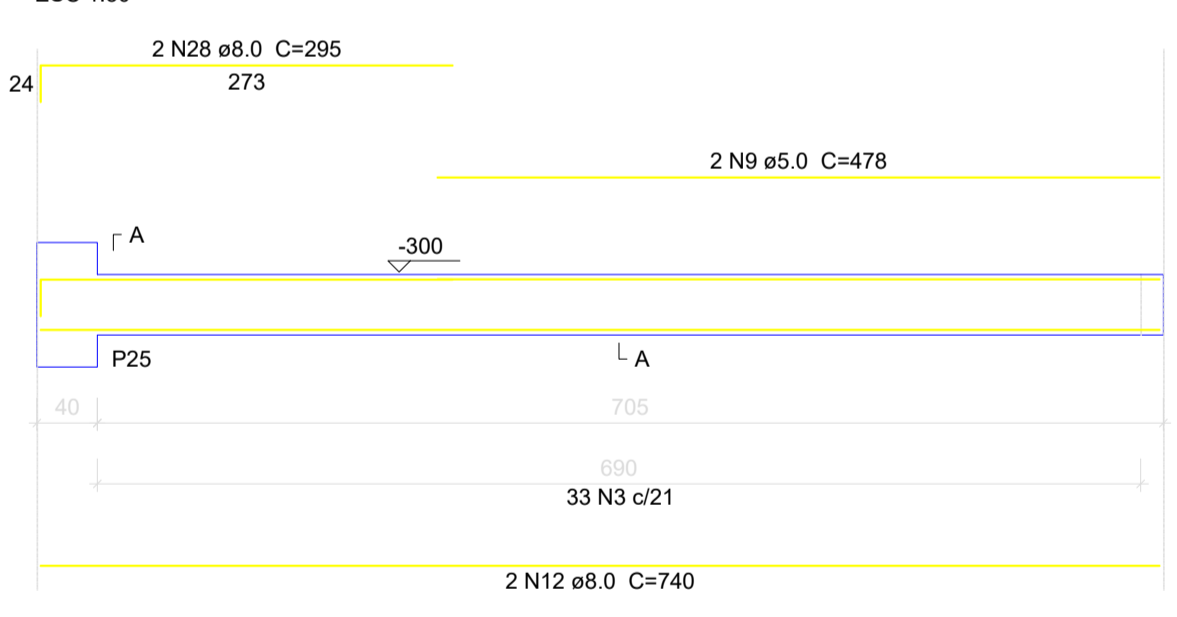
V8
ESC 1:50



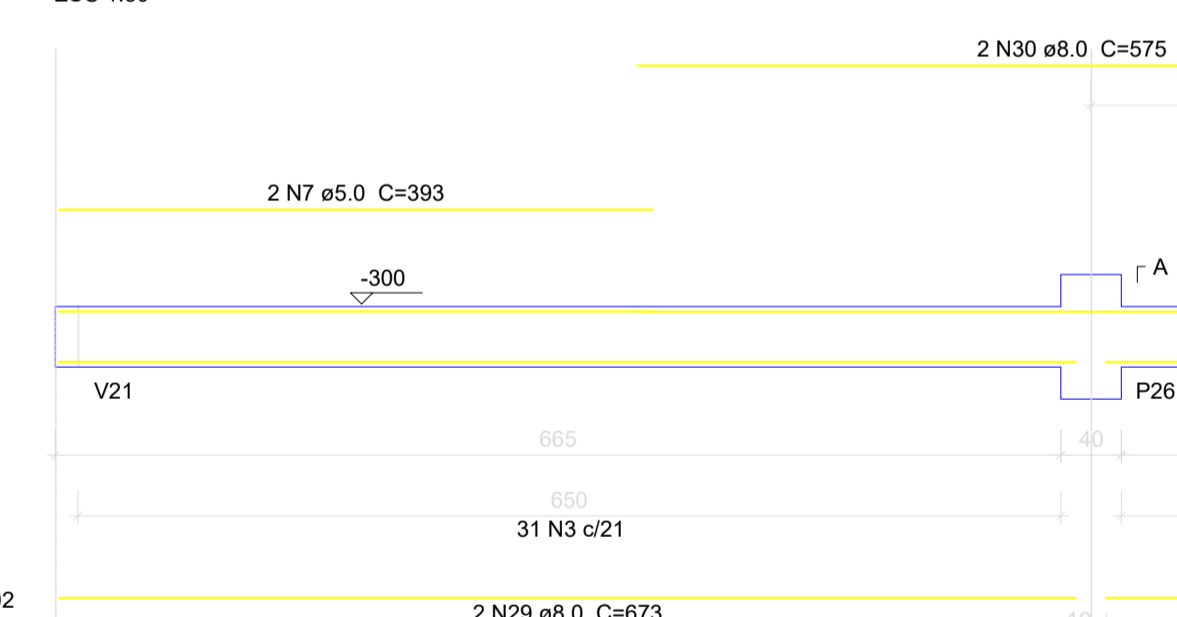
V9
ESC 1:50



V10
ESC 1:50



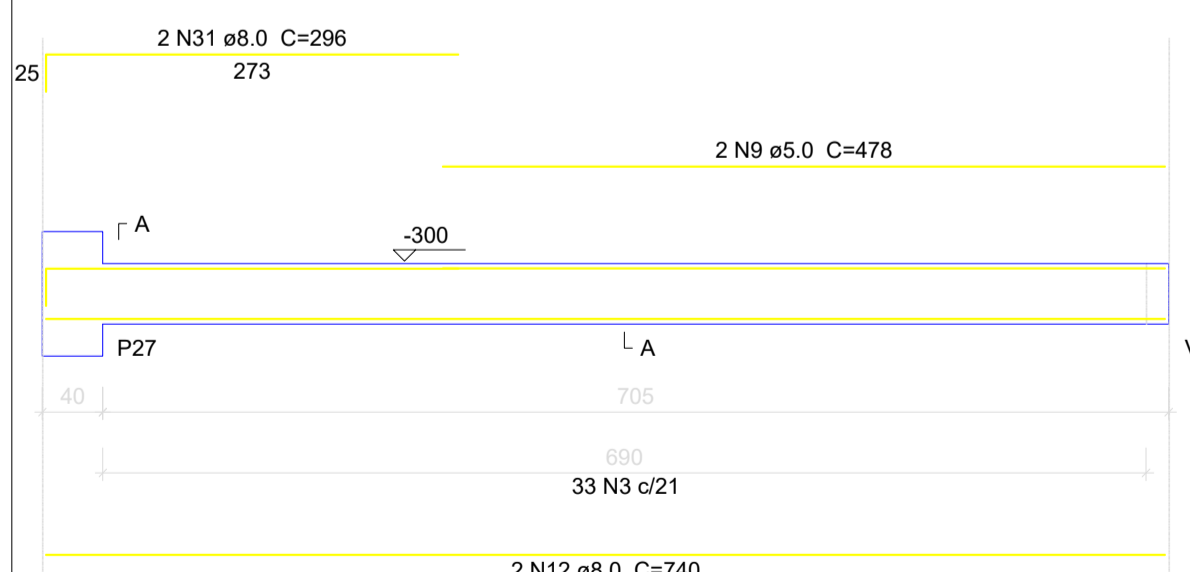
V11
ESC 1:50



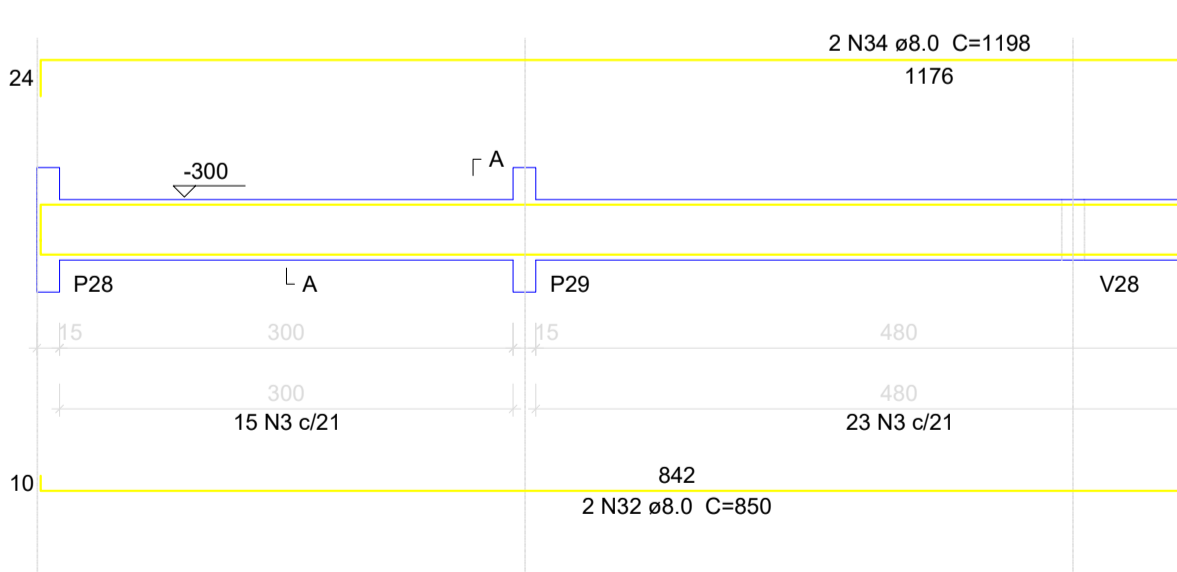
V12
ESC 1:50



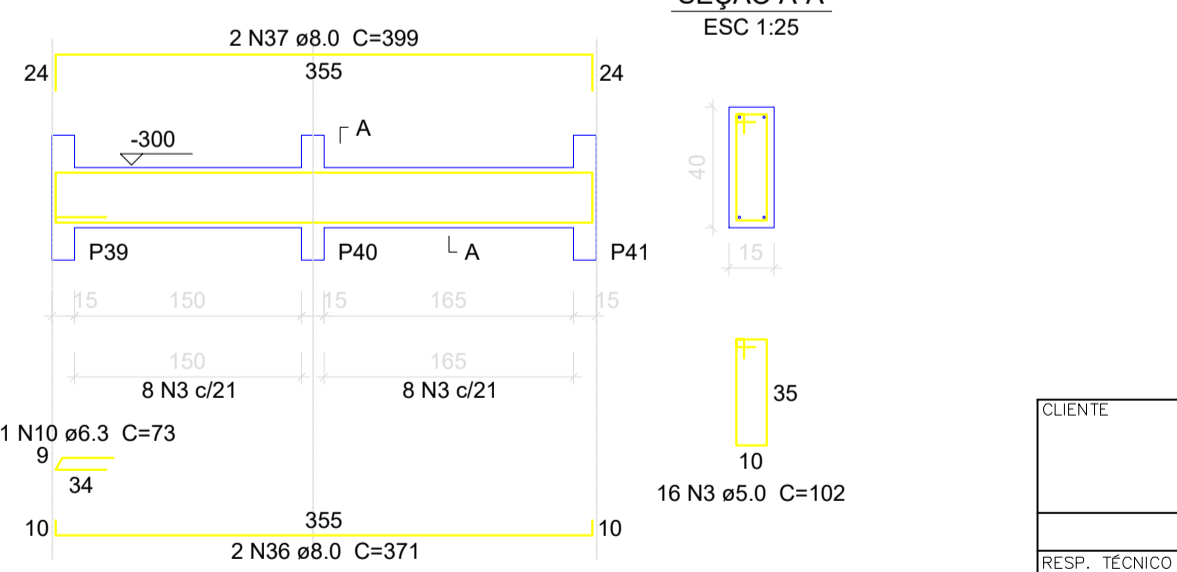
V11
ESC 1:50



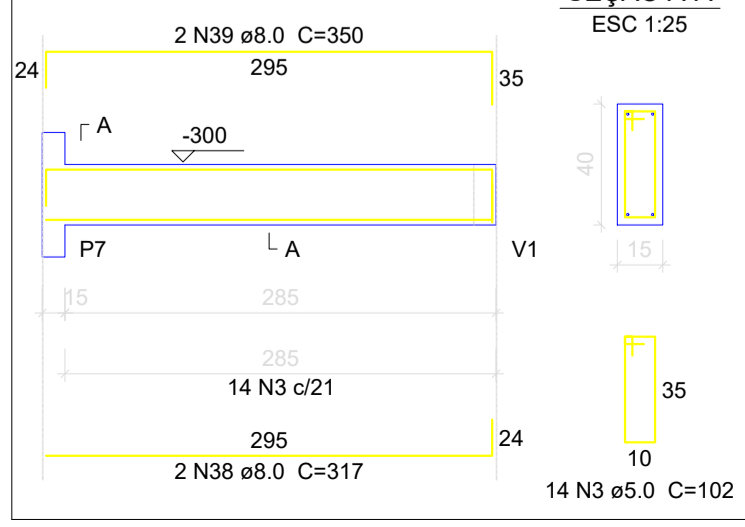
V12
ESC 1:50



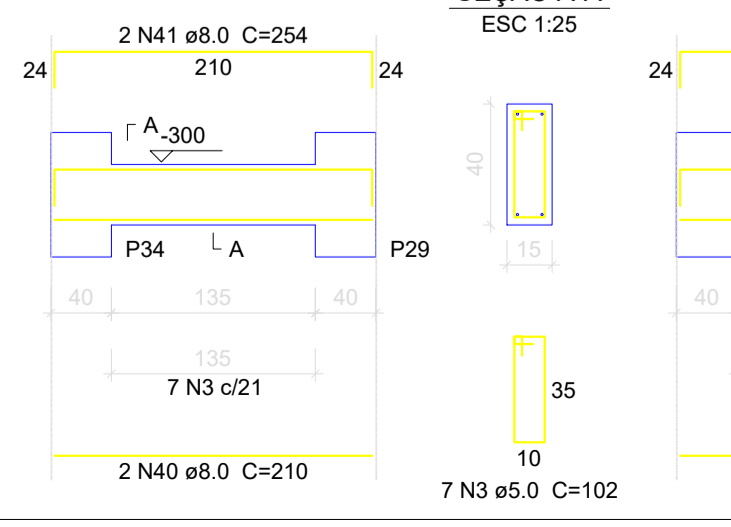
V17
ESC 1:50



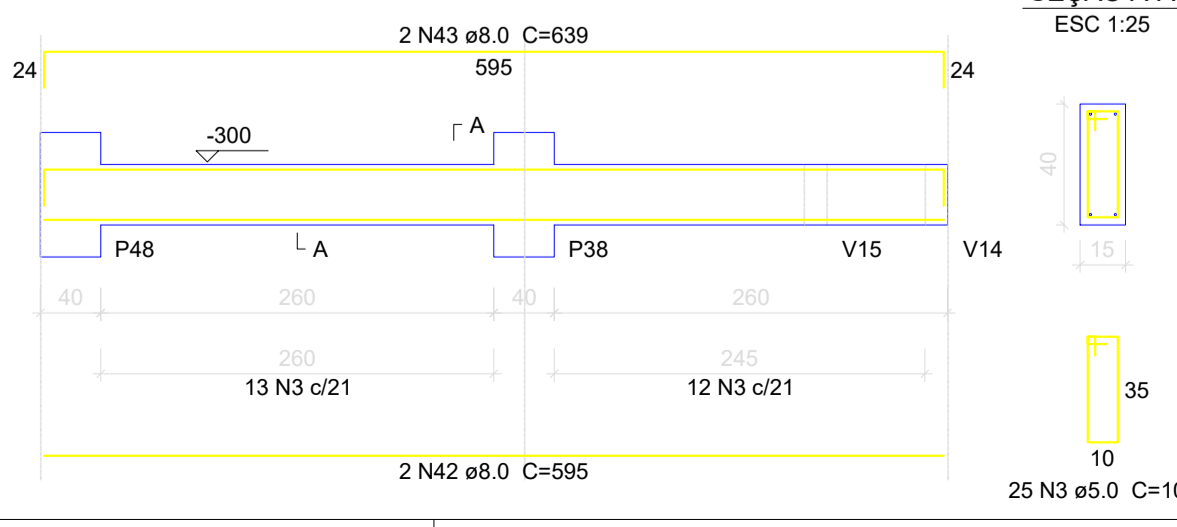
V23
ESC 1:50



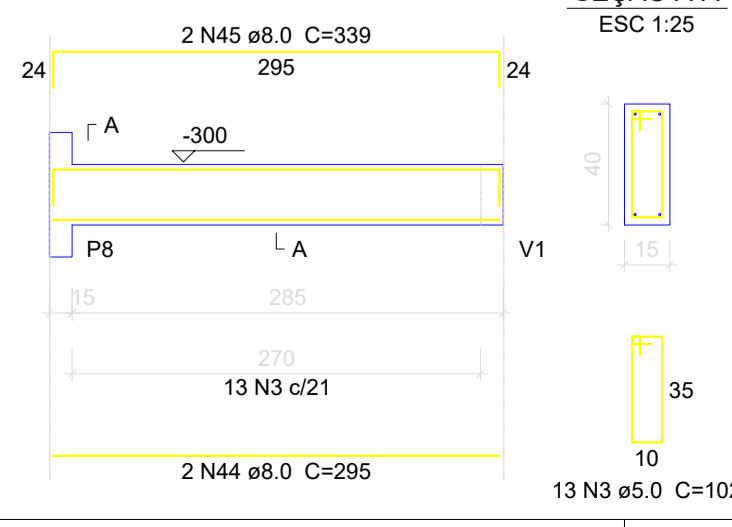
V24
ESC 1:50



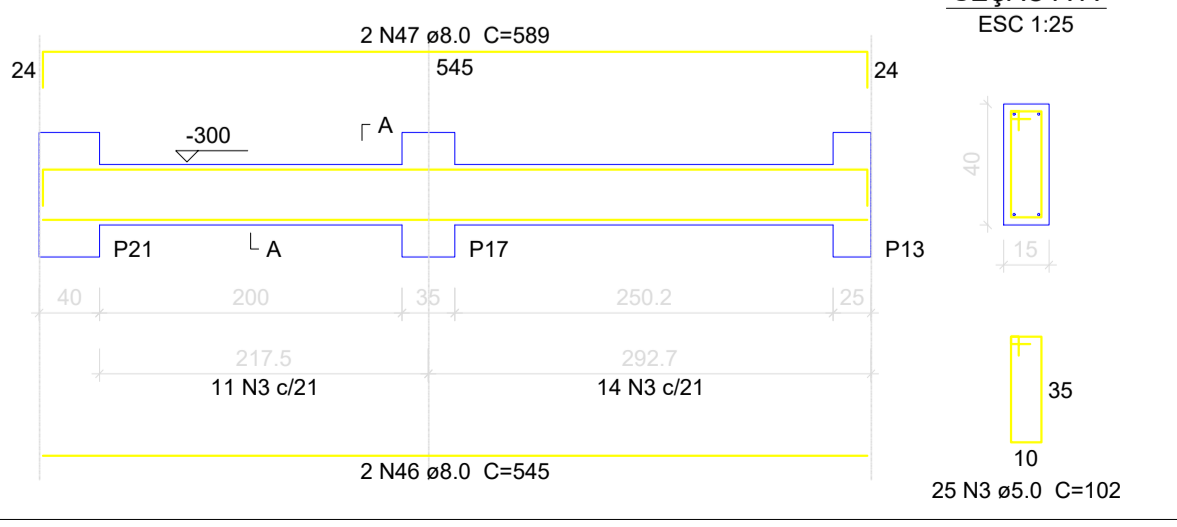
V25
ESC 1:50



V26
ESC 1:50



V27
ESC 1:50



Resumo do aço

CA	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	1.5	0.4
	8.0	482.3	209.3
	10.0	56.8	38.5
	12.5	16.1	17
CA60	5.0	853.4	144.7
PESO TOTAL (kg)			
CA50		265.2	
CA60		144.7	

Volume de concreto (C-30) = 9.66 m³
 Área de forma = 153 m²

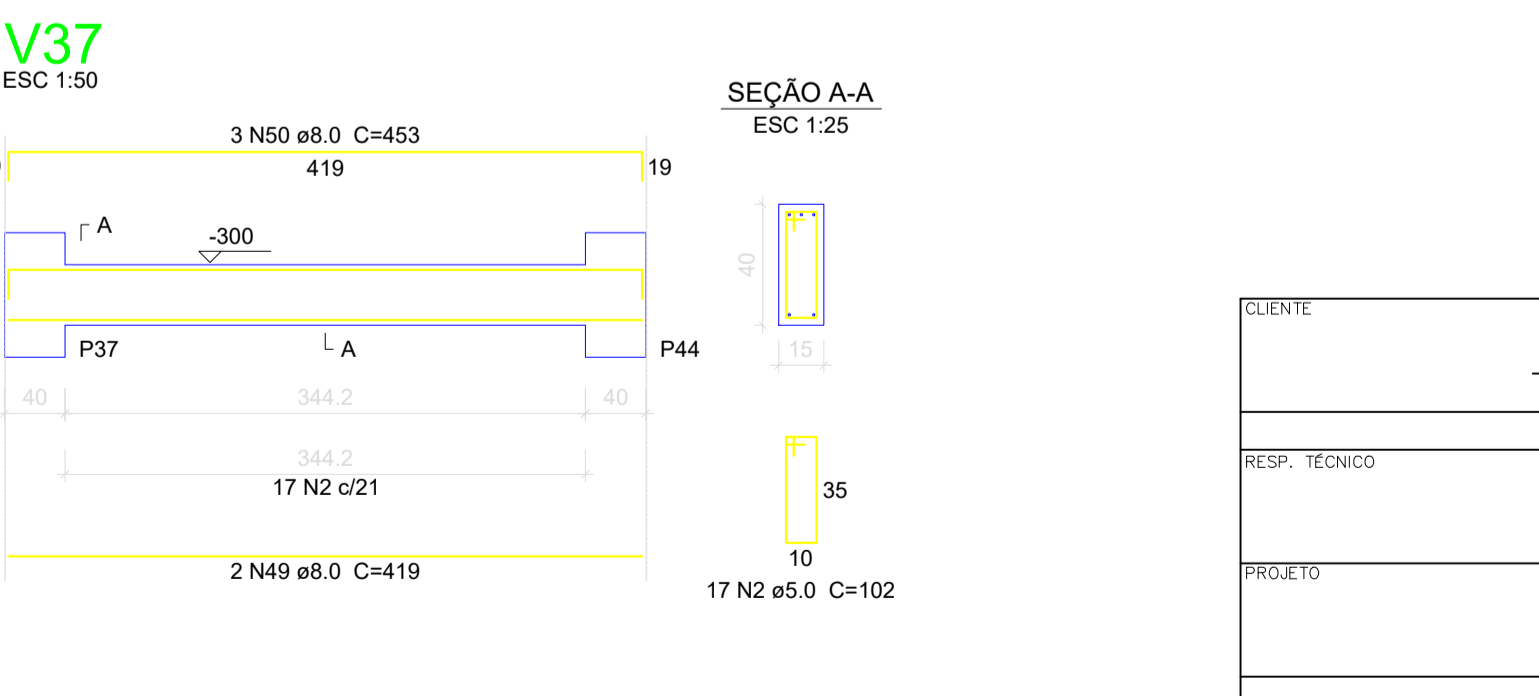
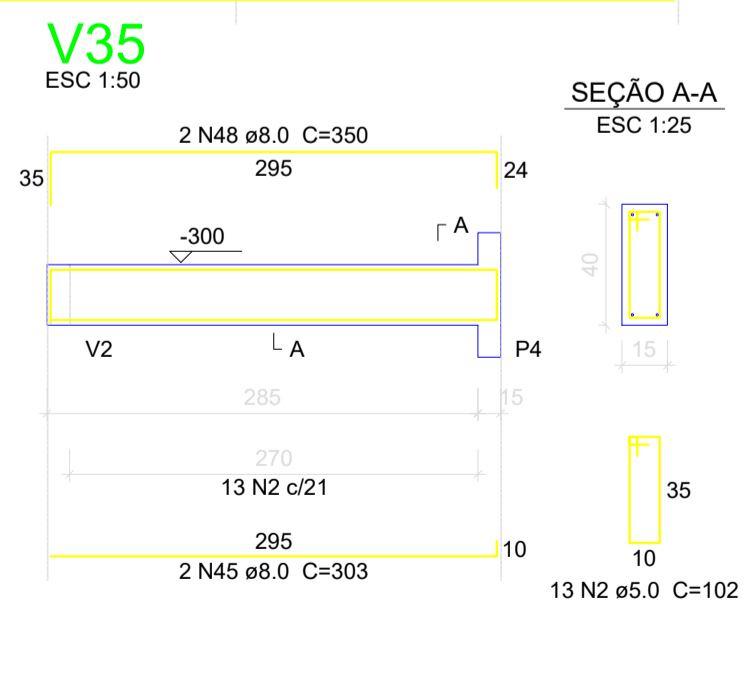
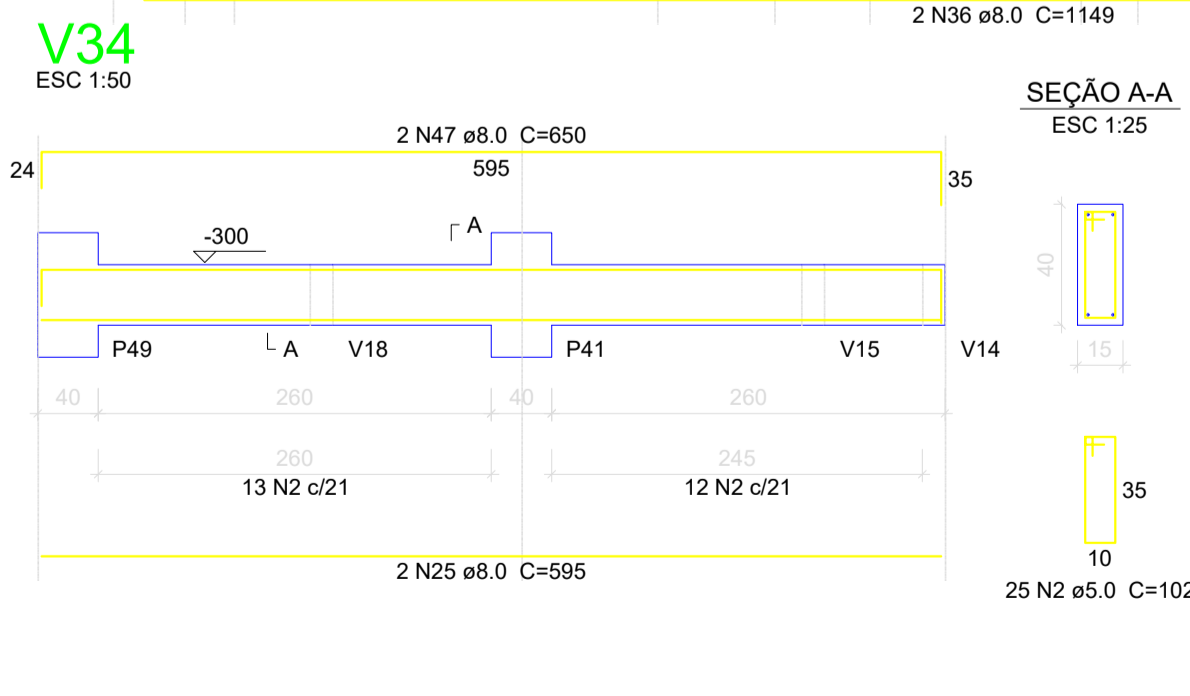
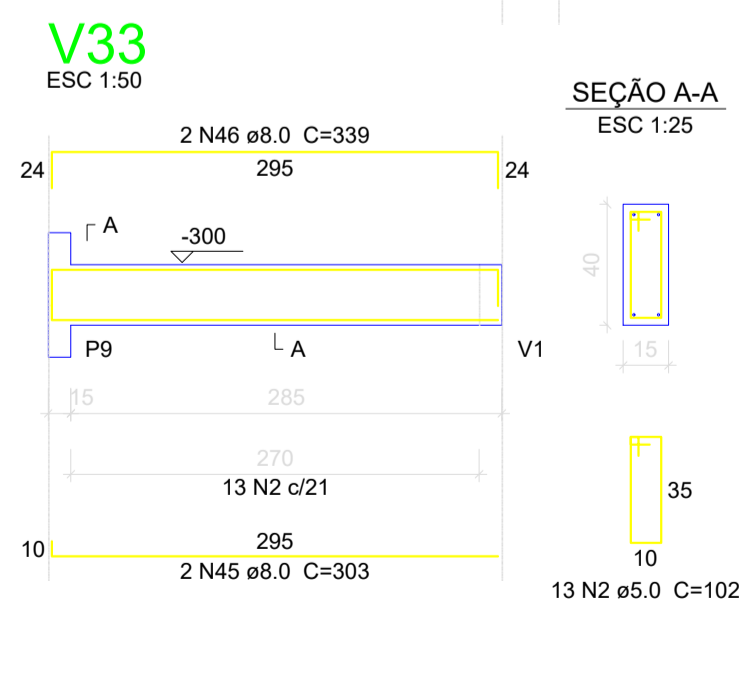
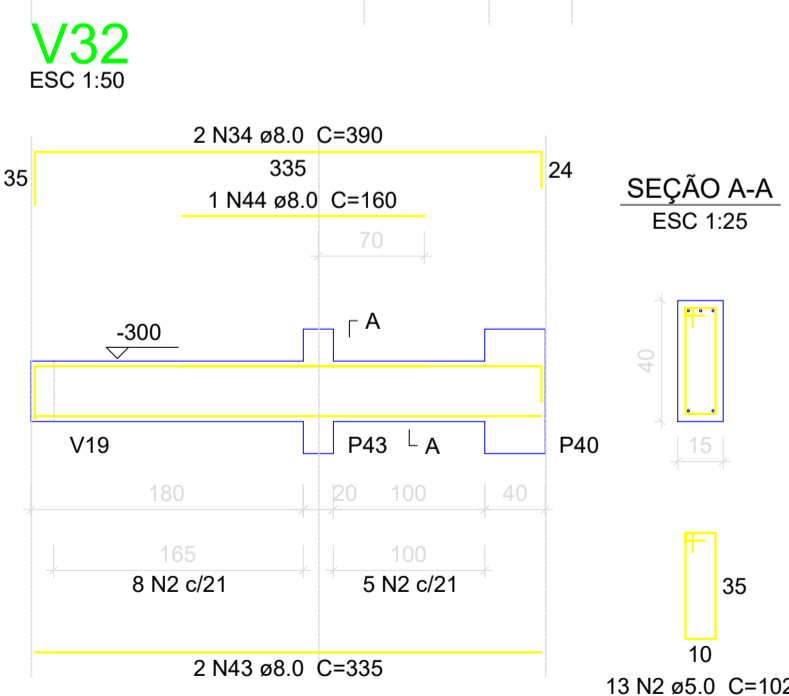
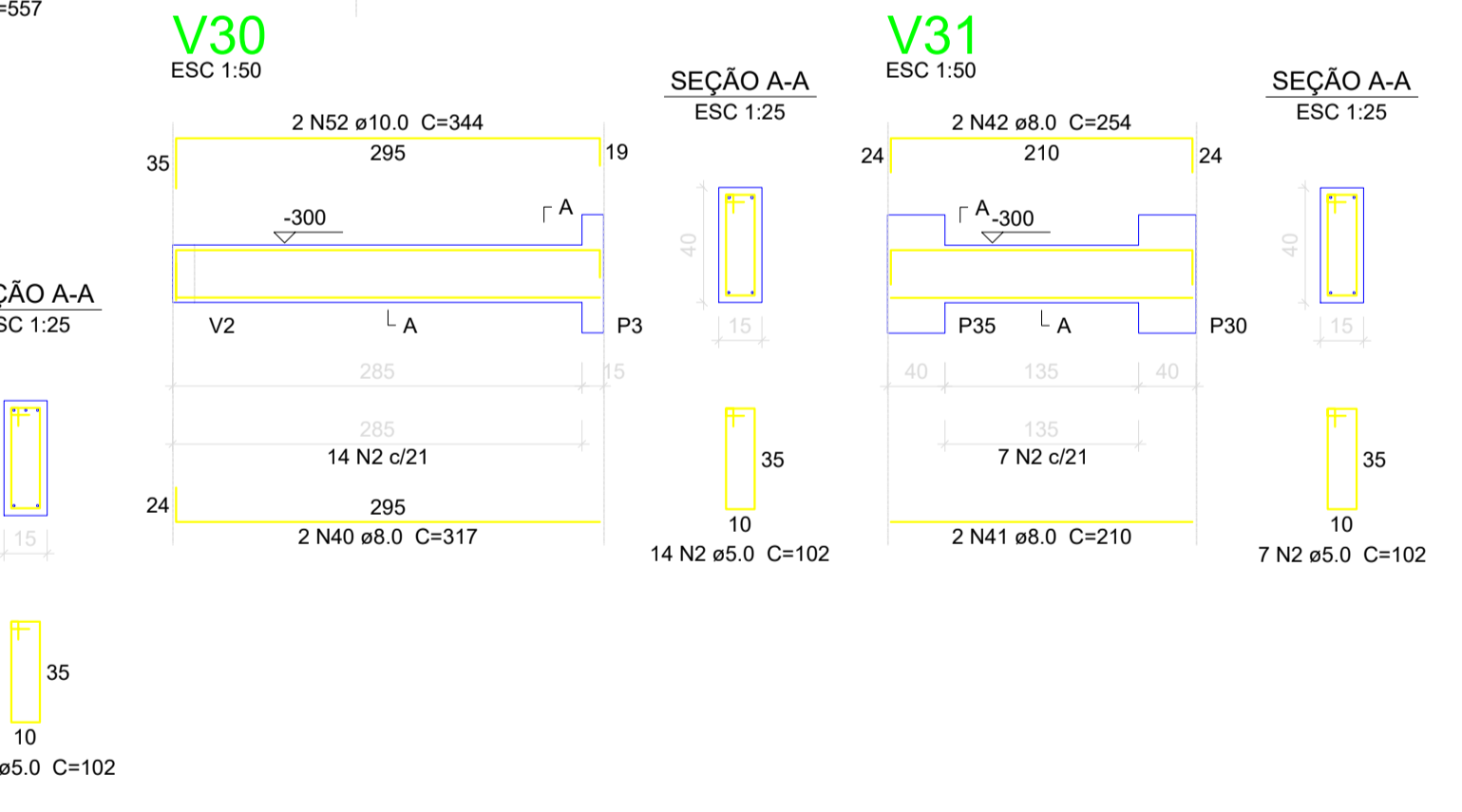
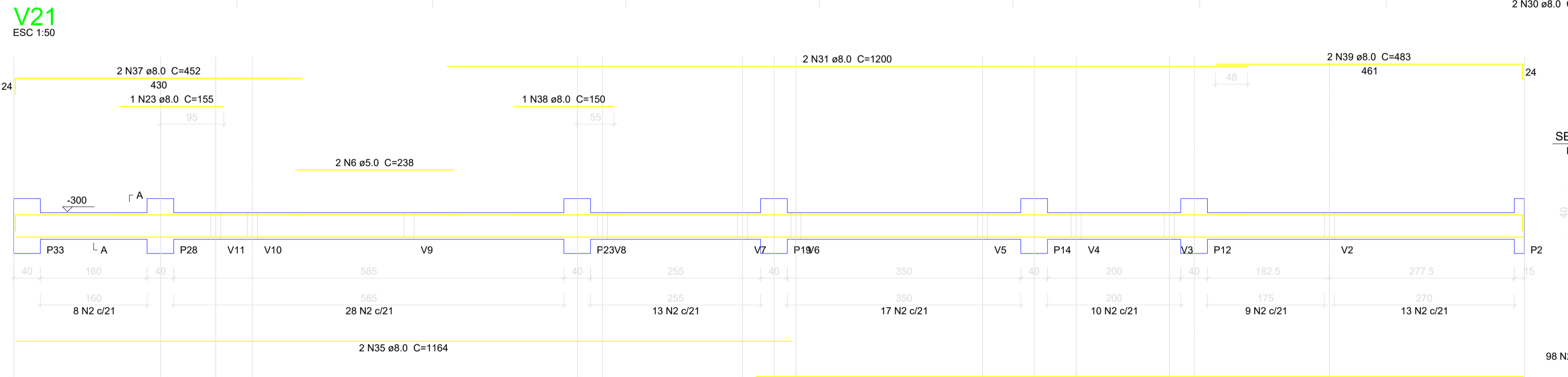
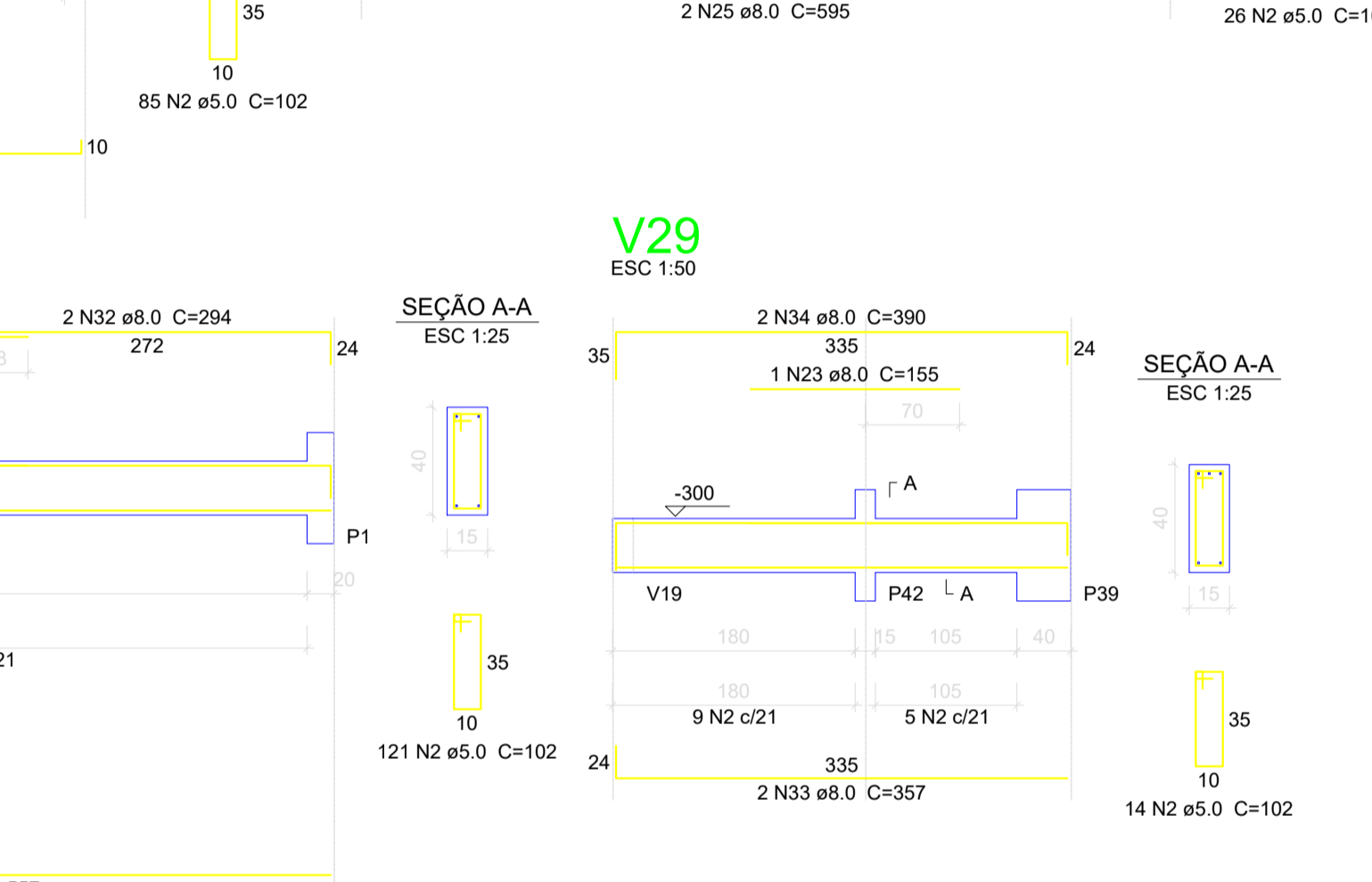
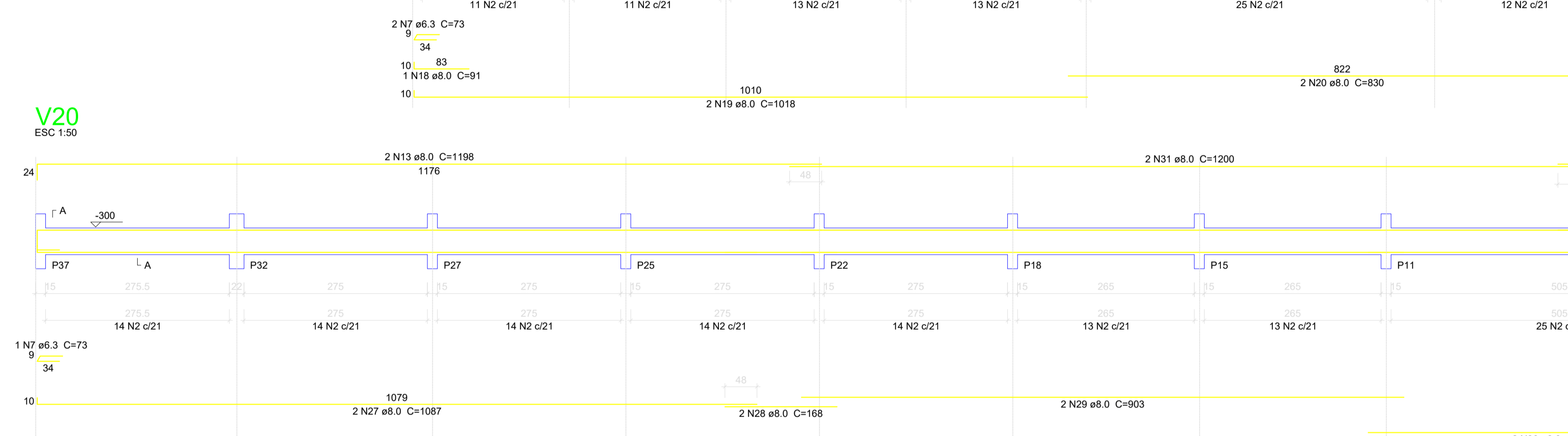
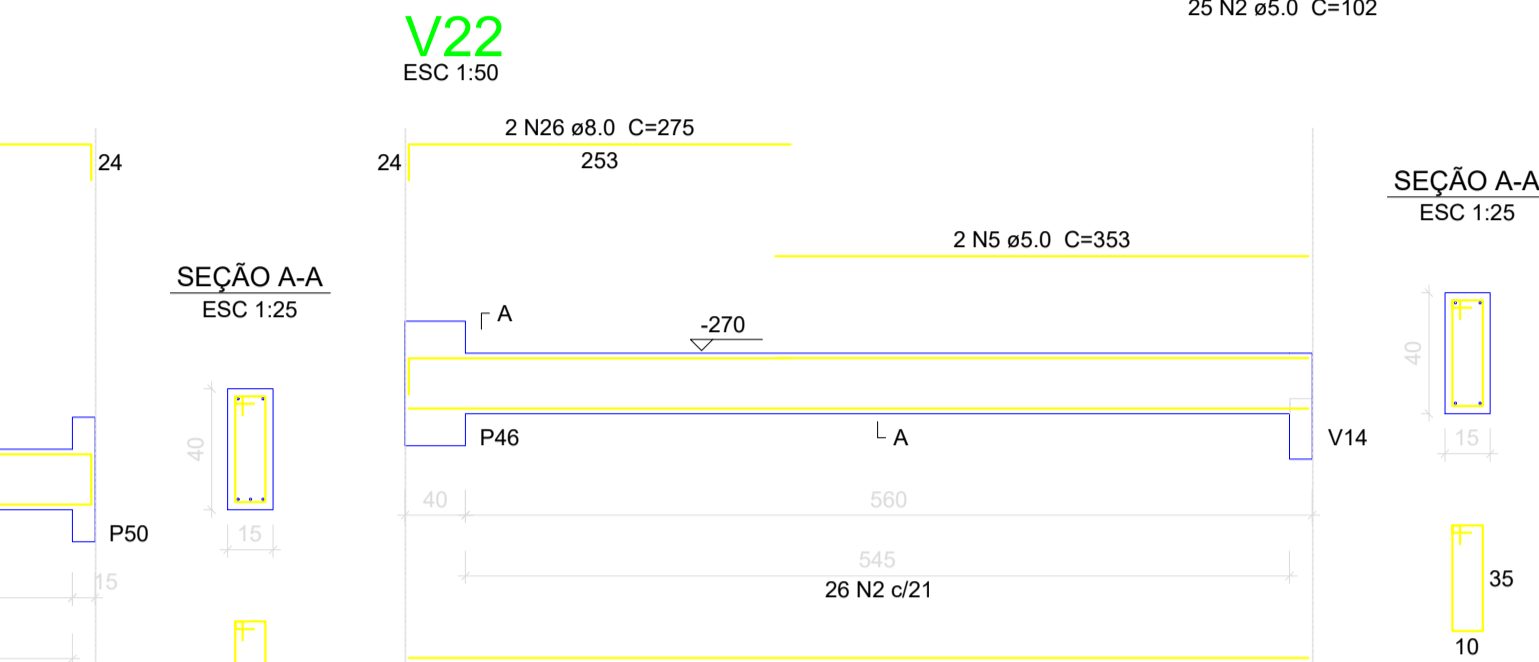
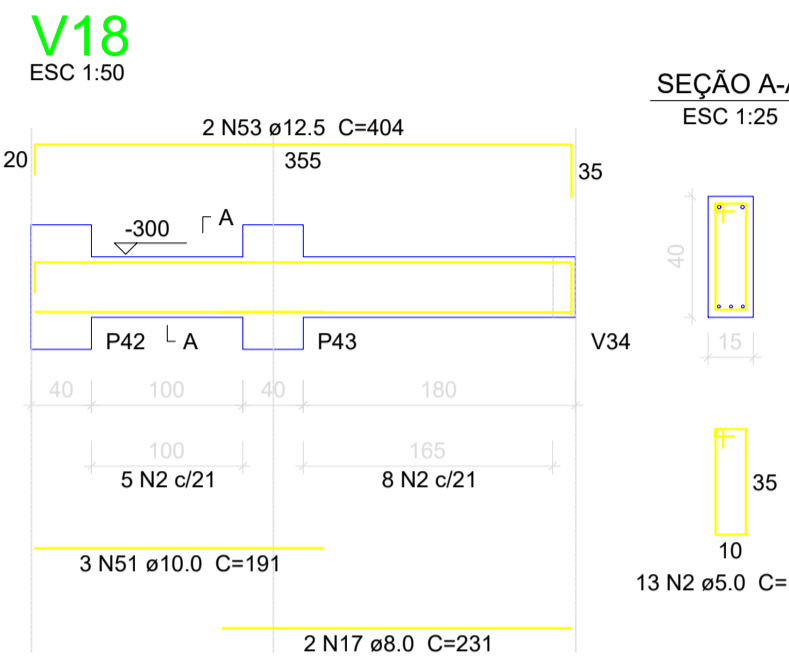
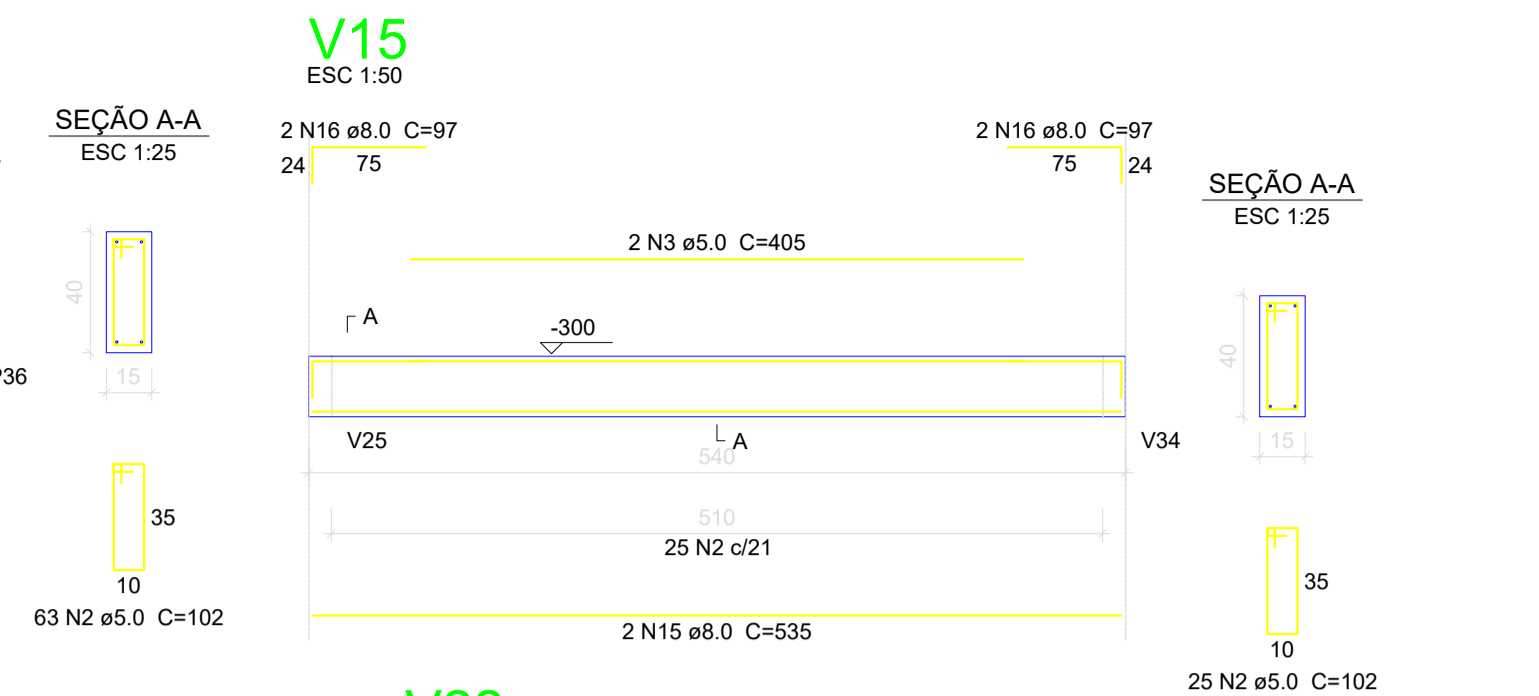
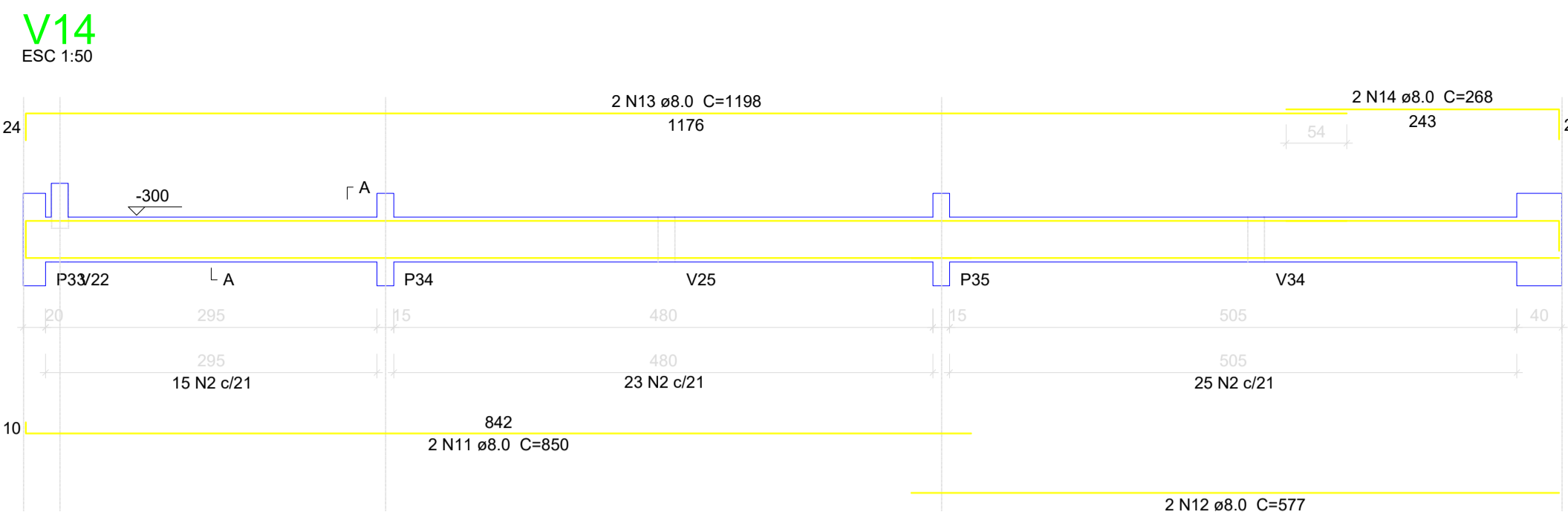
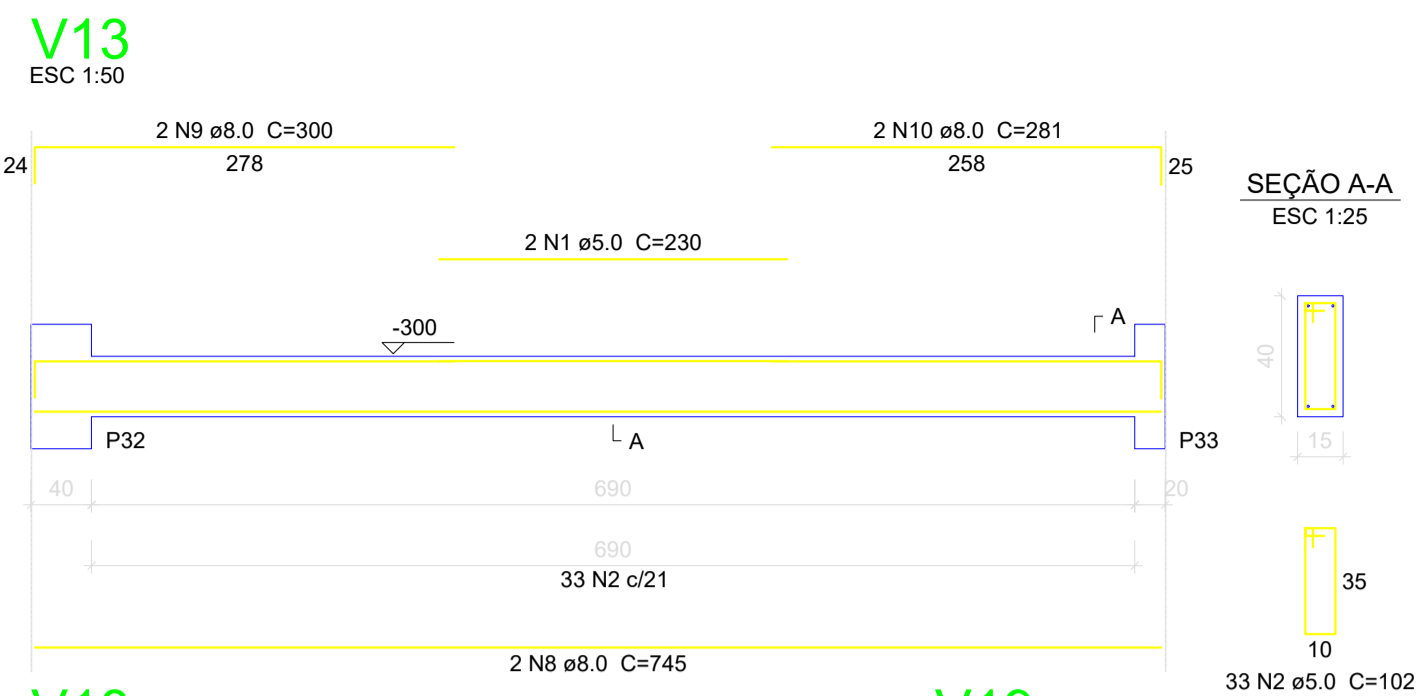
CLIENTE: MUNICÍPIO DE CORREIA PINTO CAPJ 75-498-6957 COCI-49

RESP. TÉCNICO: DIEFERSON BRANGER 00897449932 Assinado de forma digital por DIEFERSON BRANGER 00897449932. Dados: 2021.11.18 09:36:43 -03'00'

PROJETO: PROJETO ESTRUTURAL

CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.

DESENHO: MARCOS B. CONF. DATA: ESCALA: INDICADAS APROV. ARG. PRANCHAS: EST. 03/50



Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	2	230	460
	2	5.0	580	102	59160
	3	5.0	2	405	810
	4	5.0	2	233	466
	5	5.0	2	353	706
	6	5.0	2	238	476
CA50	7	6.3	3	73	219
	8	8.0	2	745	1490
	9	8.0	2	300	600
	10	8.0	2	281	562
	11	8.0	2	850	1700
	12	8.0	2	577	1154
	13	8.0	4	1198	4792
	14	8.0	2	268	536
	15	8.0	2	535	1070
	16	8.0	4	97	388
	17	8.0	2	231	462
	18	8.0	1	91	91
	19	8.0	2	1018	2036
	20	8.0	2	830	1660
	21	8.0	1	130	130
	22	8.0	2	1175	2350
	23	8.0	3	155	465
	24	8.0	2	460	920
	25	8.0	4	595	2380
	26	8.0	2	275	550
	27	8.0	2	1087	2174
	28	8.0	2	188	376
	29	8.0	2	903	1806
	30	8.0	2	557	1114
	31	8.0	4	1200	4800
	32	8.0	2	294	588
	33	8.0	2	357	714
	34	8.0	4	390	1560
	35	8.0	2	1164	2328
	36	8.0	2	1149	2298
	37	8.0	2	452	904
	38	8.0	1	150	150
	39	8.0	2	483	966
	40	8.0	2	317	634
	41	8.0	2	210	420
	42	8.0	2	254	508
	43	8.0	2	335	670
	44	8.0	1	160	160
	45	8.0	4	303	1212
	46	8.0	2	339	678
	47	8.0	2	650	1300
	48	8.0	2	350	700
	49	8.0	2	419	838
	50	8.0	3	453	1359
	51	10.0	3	191	573
	52	10.0	2	344	688
	53	12.5	2	404	808

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	2.2	0.6
	8.0	515.6	223.8
	10.0	12.7	8.6
	12.5	8.1	8.6
CA60	5.0	620.8	105.3
PESO TOTAL (kg)			
CA50		241.5	
CA60		105.3	

Volume de concreto (C-30) = 7.84 m³
 Área de forma = 124.16 m²

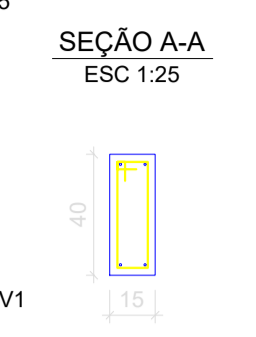
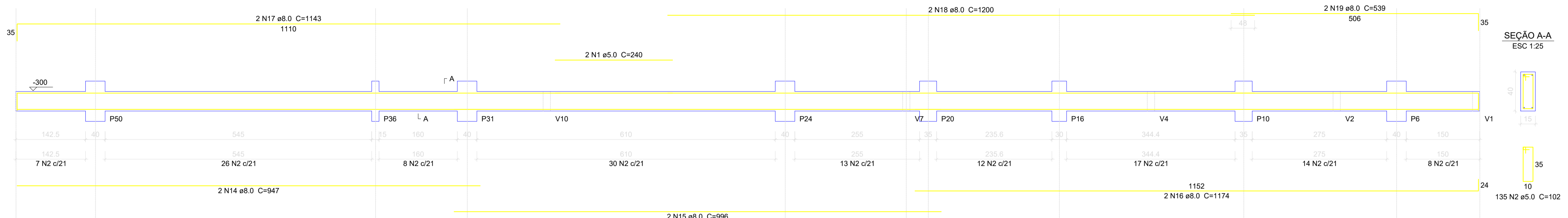
CLIENTE: MUNICÍPIO DE CORREIA PINTO CAPJ 75-438-6957 COCJ-49

RESP. TÉCNICO: DIEFERSON BRANGER-00897449932 Assinado de forma digital por DIEFERSON BRANGER-00897449932. Dados: 2021.11.18 09:37:54 -03'00'

PROJETO: **PROJETO ESTRUTURAL**

CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.

DESENHO: MARCOS B. CONF. DATA: ESCALA: INDICADAS APROV. ARC. PIRANCHA EST. 04/50

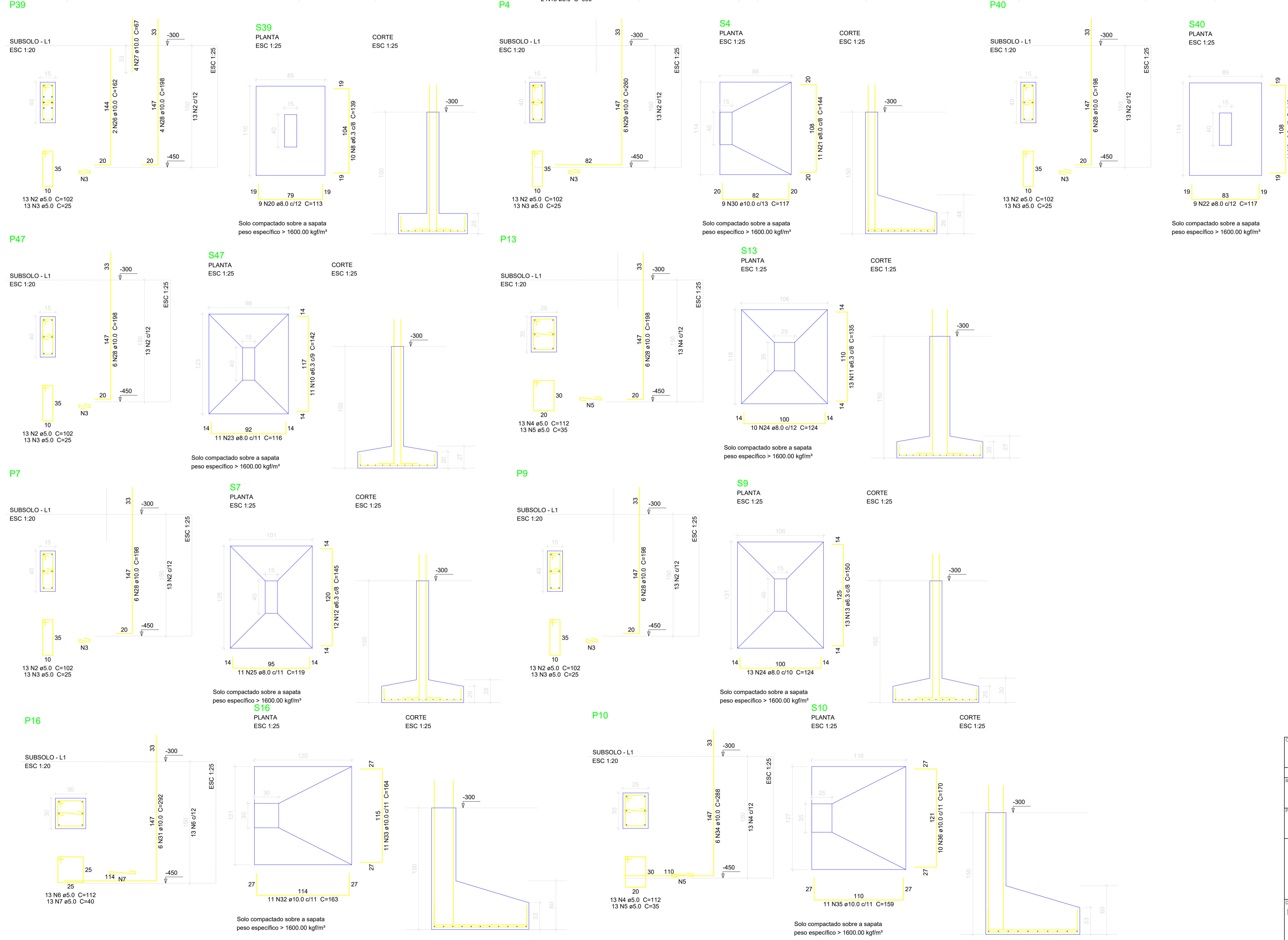


ACO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	2	240	480
	2	5.0	213	102	21726
	3	5.0	78	25	1950
	4	5.0	26	112	2912
	5	5.0	26	35	910
	6	5.0	13	112	1456
	7	5.0	13	40	520
CA50	8	6.3	10	139	1390
	9	6.3	11	143	1573
	10	6.3	11	142	1562
	11	6.3	13	135	1755
	12	6.3	12	145	1740
	13	6.3	13	150	1950
	14	8.0	2	947	1894
	15	8.0	2	996	1992
	16	8.0	2	1174	2348
	17	8.0	2	1143	2286
	18	8.0	2	1200	2400
	19	8.0	2	539	1078
	20	8.0	9	113	1017
	21	8.0	11	144	1584
	22	8.0	9	117	1053
	23	8.0	2	116	1276
	24	8.0	23	124	2852
	25	8.0	11	119	1309
	26	10.0	2	162	324
	27	10.0	4	67	268
	28	10.0	34	198	6732
	29	10.0	6	260	1560
	30	10.0	9	117	1053
	31	10.0	6	292	1752
	32	10.0	11	163	1793
	33	10.0	11	164	1804
	34	10.0	6	288	1728
	35	10.0	11	159	1749
	36	10.0	10	170	1700

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	99.7	26.8
	8.0	210.9	91.5
	10.0	204.7	138.8
CA60	5.0	299.6	50.8
PESO TOTAL (kg)			
CA50		257.2	
CA60		50.8	

Volume de concreto (C-30) = 6.08 m³
Área de forma = 54.51 m²



Solo compactado sobre a sapata peso específico > 1600.00 kg/m³

Solo compactado sobre a sapata peso específico > 1600.00 kg/m³

Solo compactado sobre a sapata peso específico > 1600.00 kg/m³

Solo compactado sobre a sapata peso específico > 1600.00 kg/m³

Solo compactado sobre a sapata peso específico > 1600.00 kg/m³

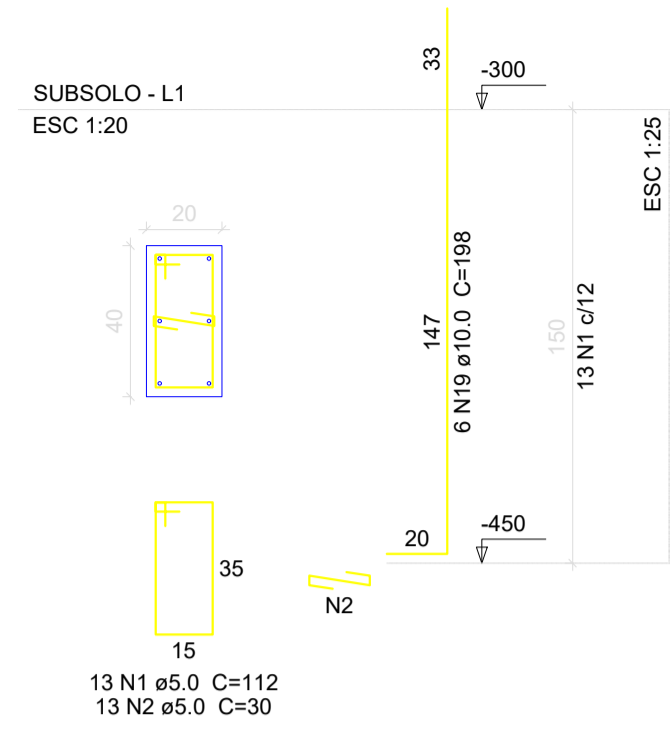
Solo compactado sobre a sapata peso específico > 1600.00 kg/m³

Solo compactado sobre a sapata peso específico > 1600.00 kg/m³

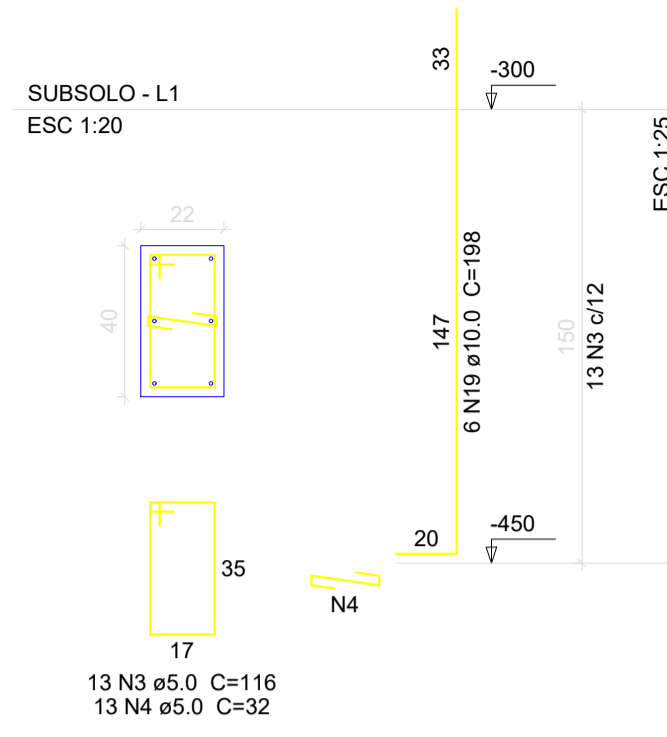
Solo compactado sobre a sapata peso específico > 1600.00 kg/m³

CLIENTE		MUNICÍPIO DE CORREIA PINTO CAPJ 75.438.695/ COCJ-45	
RESP. TÉCNICO	DIEFERSON BRANGER:00897449932	Assinado de forma digital por DIEFERSON BRANGER:00897449932 Dados: 2021.11.18 09:39:11 -03'00'	B CONSTRUTORA BRANGER
PROJETO	PROJETO ESTRUTURAL		
CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.		DESENHO	CONF.
		MARCOS B.	
DISCRIMINAÇÃO DO DESENHO		ESCALA	APROV. ARG.
DETALHES SUBSOLO		INDICADAS	
		FRANCHA	
		EST. 05/50	

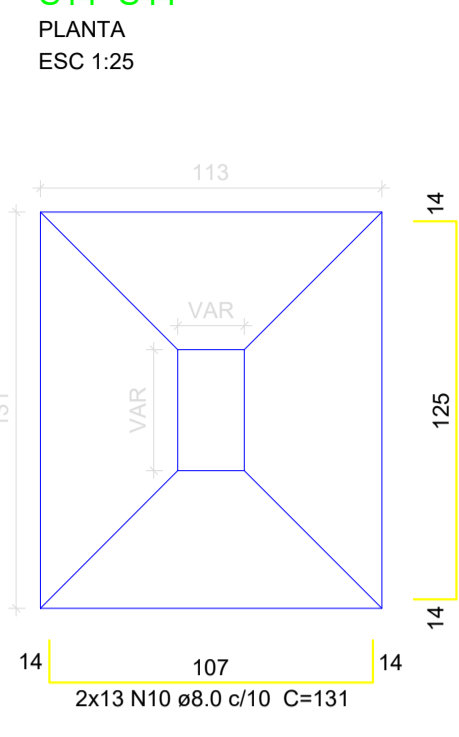
P14



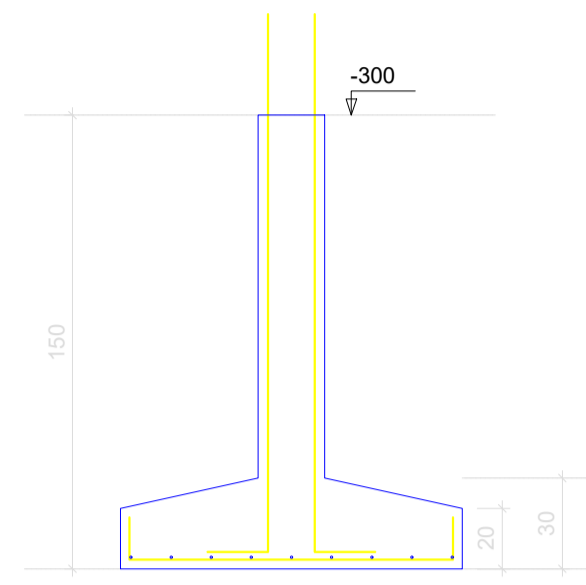
P44



S14=S44

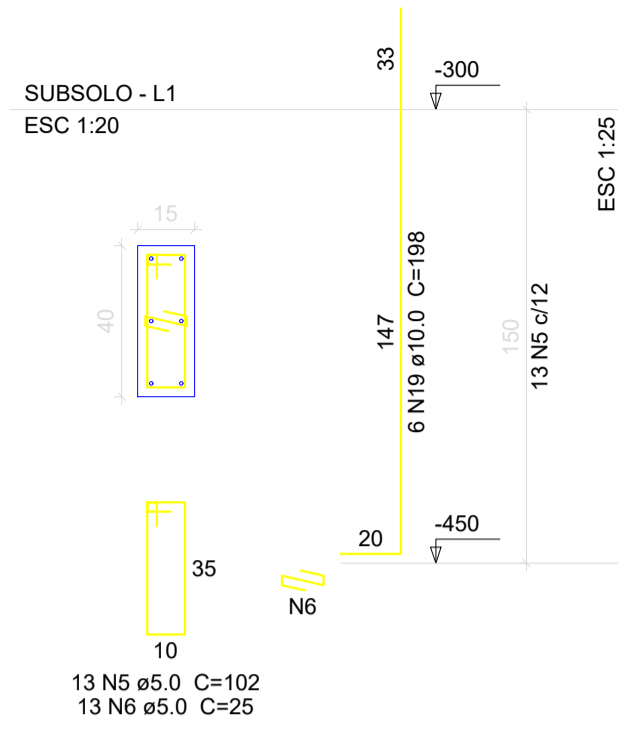


CORTE ESC 1:25

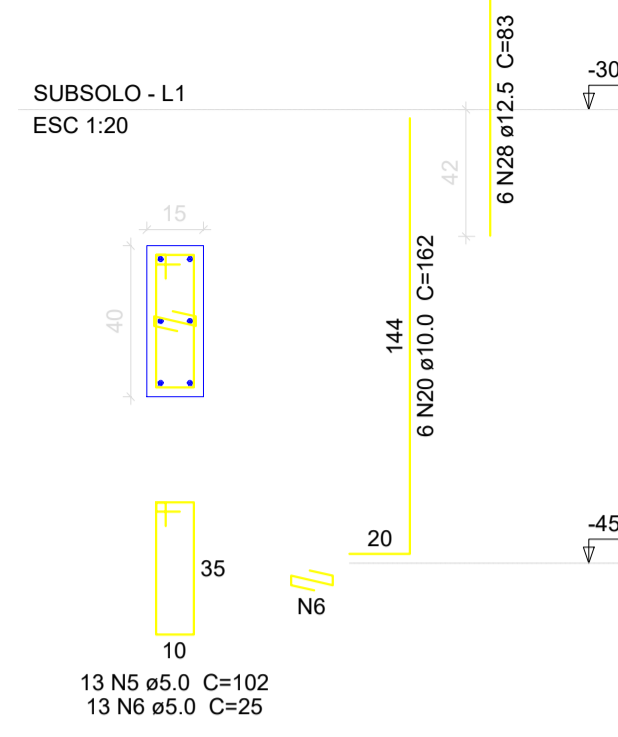


Solo compactado sobre a sapata peso especifico > 1600.00 kgf/m³

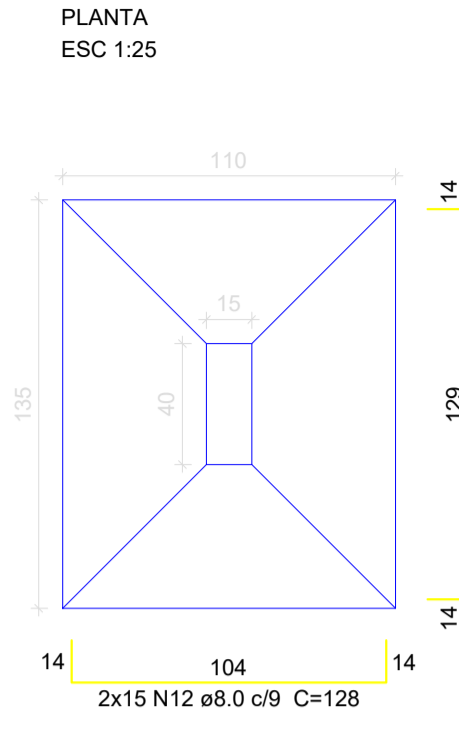
P45



P46



S45=S46



Solo compactado sobre a sapata peso especifico > 1600.00 kgf/m³

Relação do aço

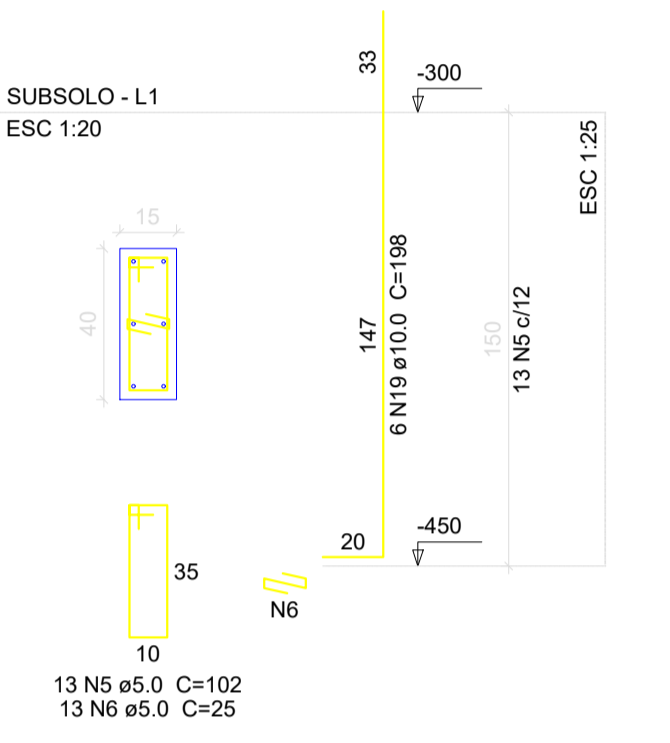
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	13	112	1456
	2	5.0	13	30	390
	3	5.0	13	116	1508
	4	5.0	13	32	416
	5	5.0	143	102	14586
	6	5.0	143	25	3575
	7	5.0	13	112	1456
	8	5.0	13	35	455
	9	5.0	17	132	2244
	10	8.0	26	131	3406
	11	8.0	18	149	2662
CA50	12	8.0	30	128	3840
	13	8.0	18	153	2754
	14	8.0	20	158	3160
	15	8.0	20	159	3180
	16	8.0	36	161	5796
	17	8.0	26	148	3648
	18	8.0	24	162	3888
	19	10.0	72	198	14256
	20	10.0	6	162	972
	21	10.0	22	132	2904
	22	10.0	2	67	134
	23	10.0	22	133	2926
	24	10.0	6	295	1770
	25	10.0	12	183	2196
	26	10.0	33	135	4455
	27	10.0	22	136	2992
	28	12.5	6	83	498
	29	12.5	8	171	1368
	30	12.5	4	206	824

Resumo do aço

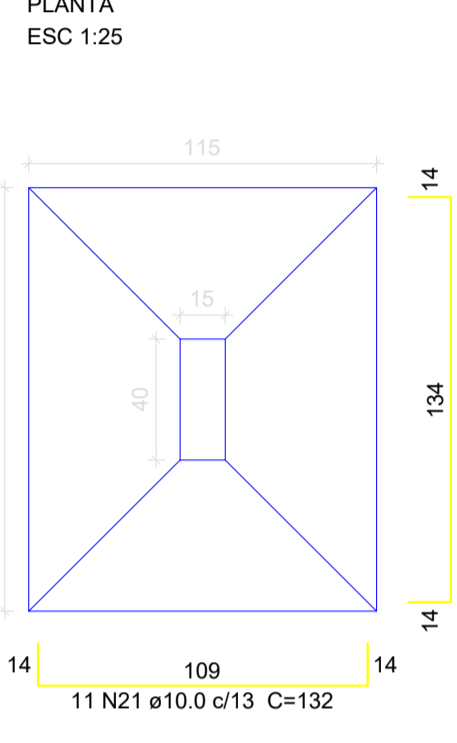
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	325.6	141.3
	10.0	326.1	221.1
	12.5	26.9	28.5
CA60	5.0	260.9	44.2
PESO TOTAL (kg)			
CA50		390.9	
CA60		44.2	

Volume de concreto (C-30) = 8.05 m³
Área de forma = 42.23 m²

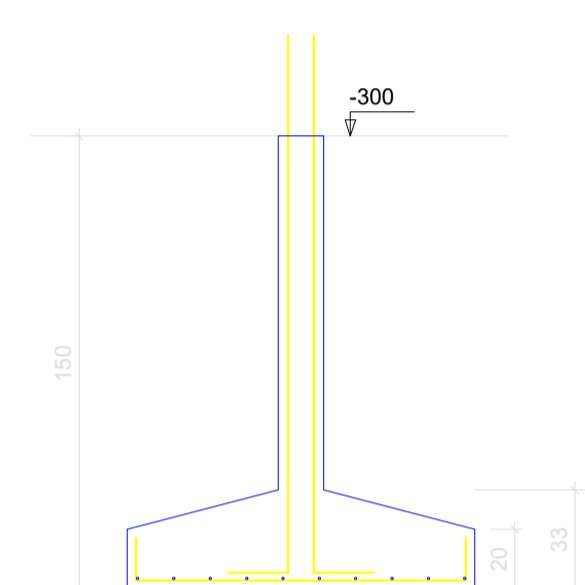
P15=P18



S15=S18

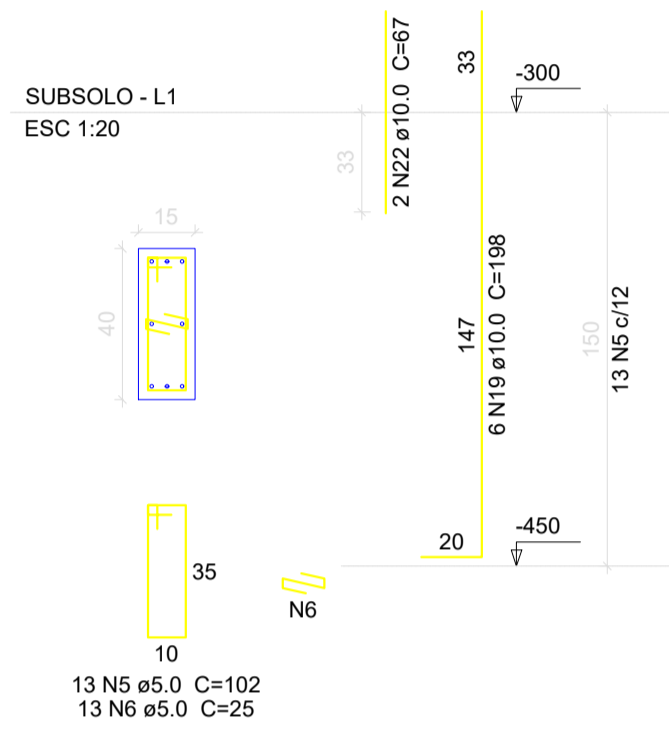


CORTE ESC 1:25

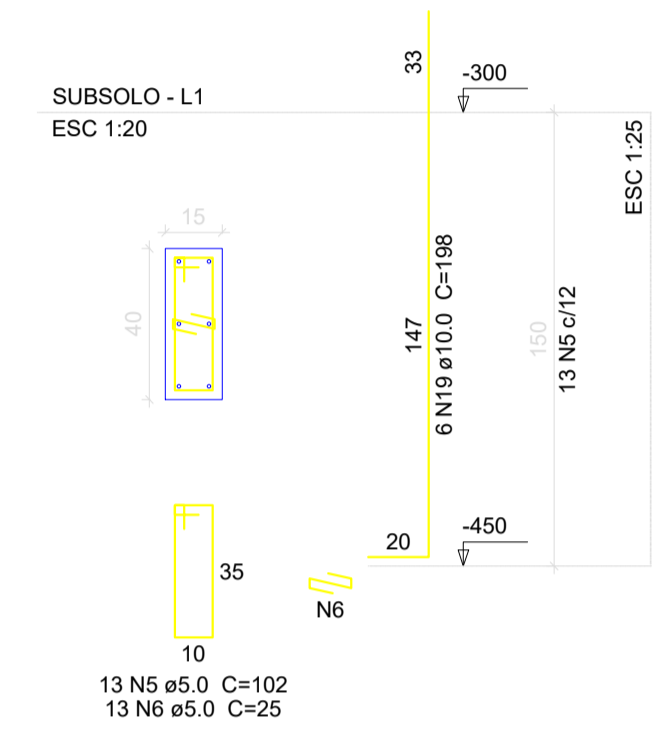


Solo compactado sobre a sapata peso especifico > 1600.00 kgf/m³

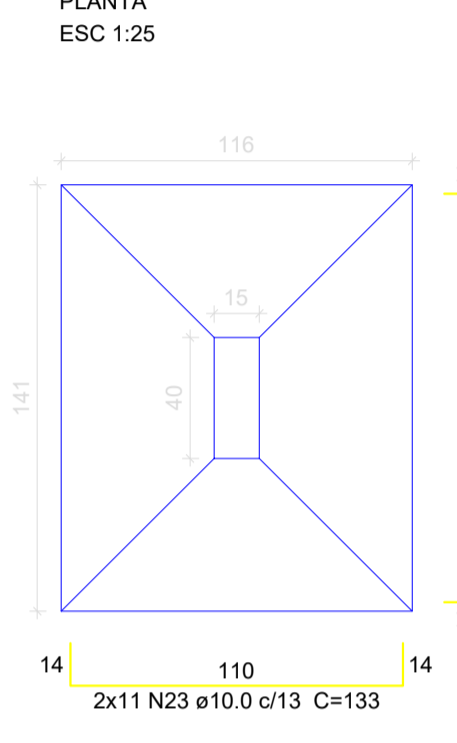
P42



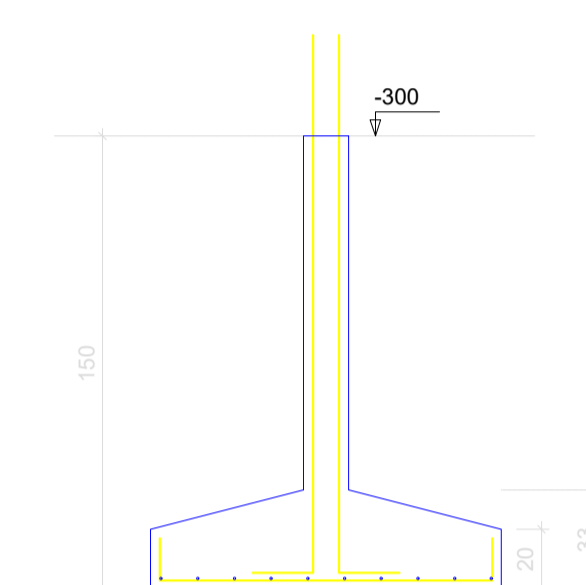
P8



S8=S42

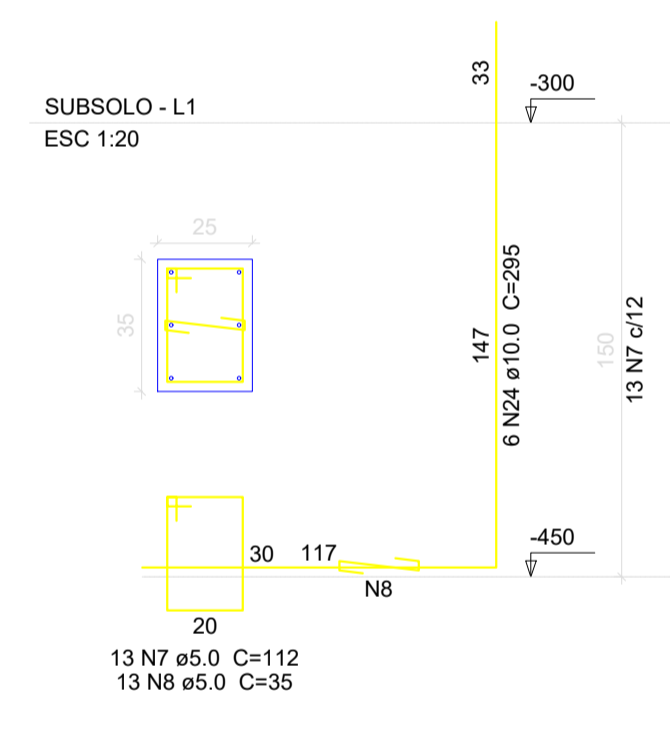


CORTE ESC 1:25

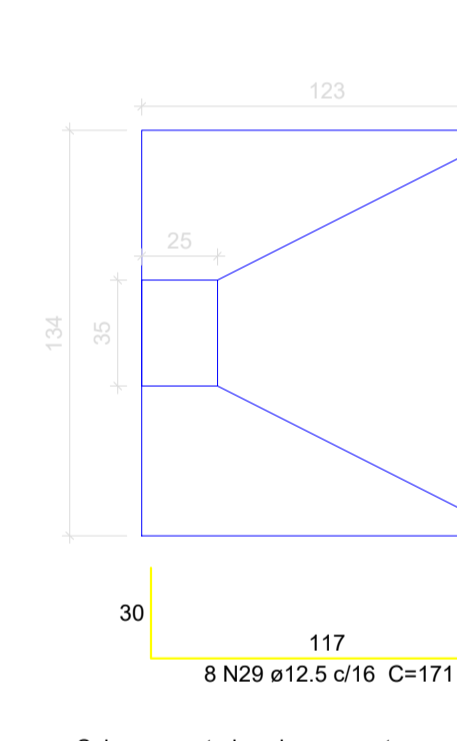


Solo compactado sobre a sapata peso especifico > 1600.00 kgf/m³

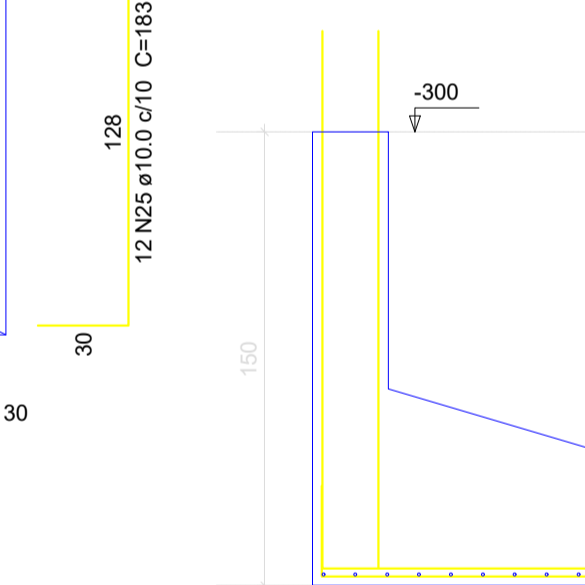
P20



S20

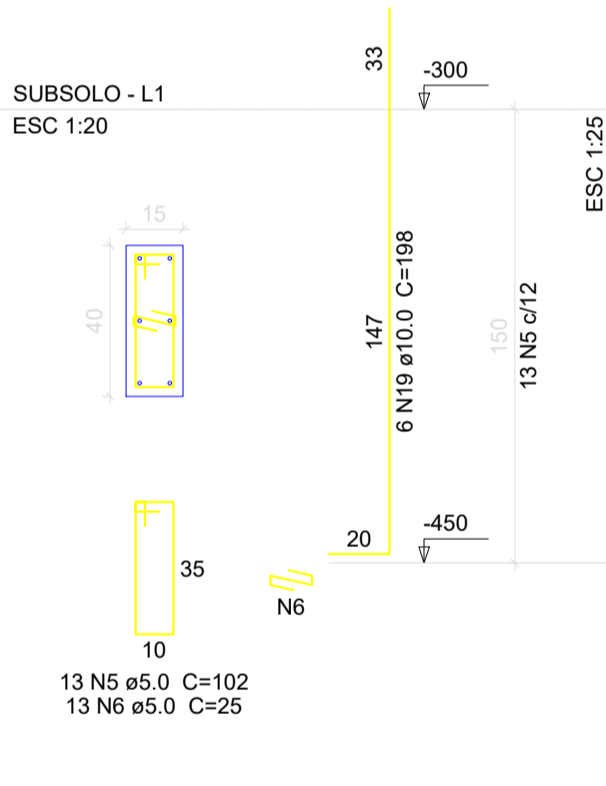


CORTE ESC 1:25

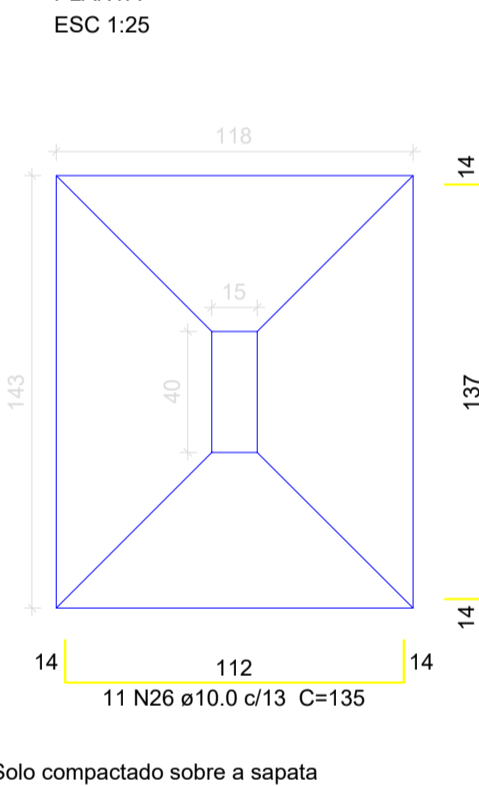


Solo compactado sobre a sapata peso especifico > 1600.00 kgf/m³

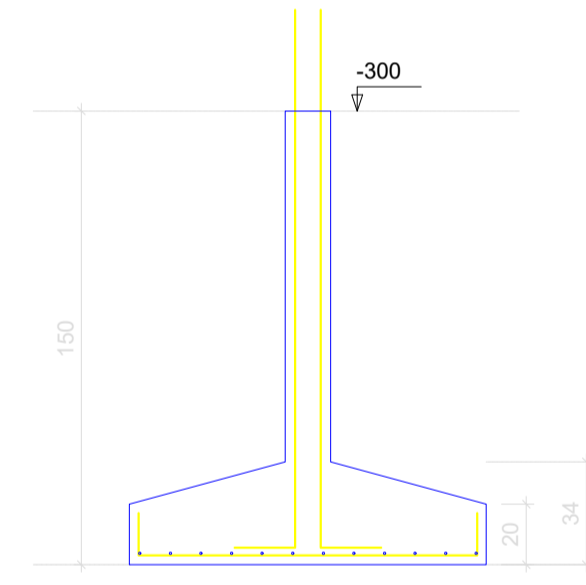
P22=P29=P34



S22=S29=S34

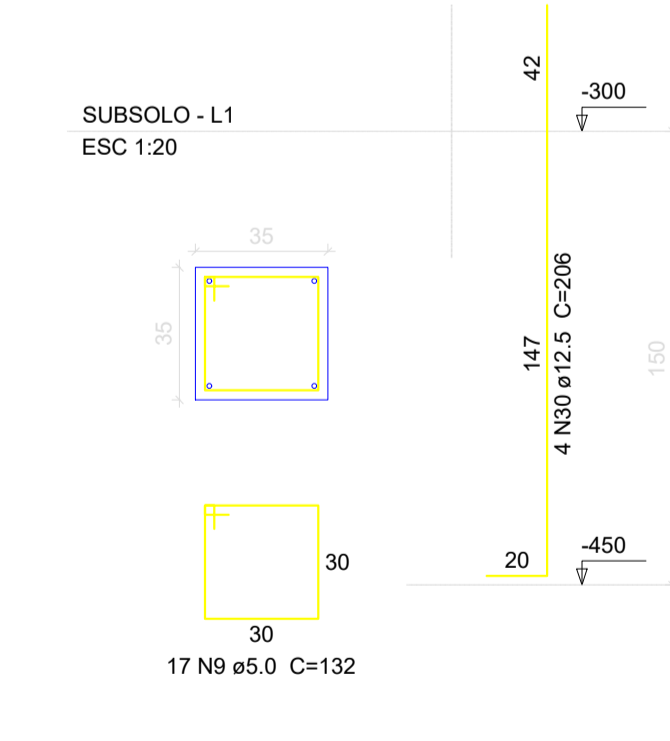


CORTE ESC 1:25

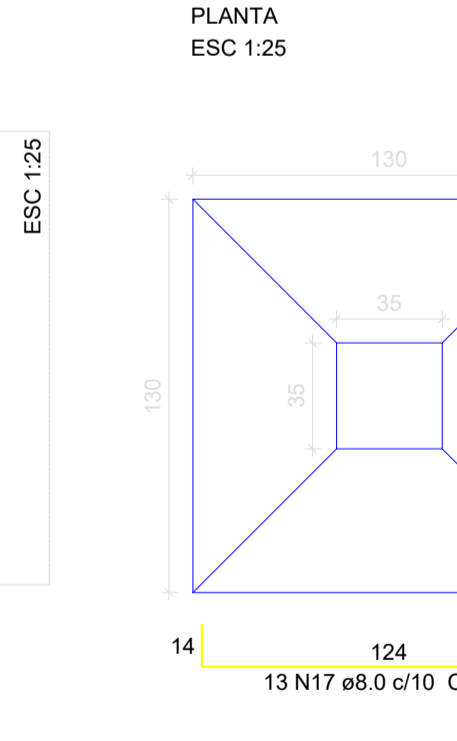


Solo compactado sobre a sapata peso especifico > 1600.00 kgf/m³

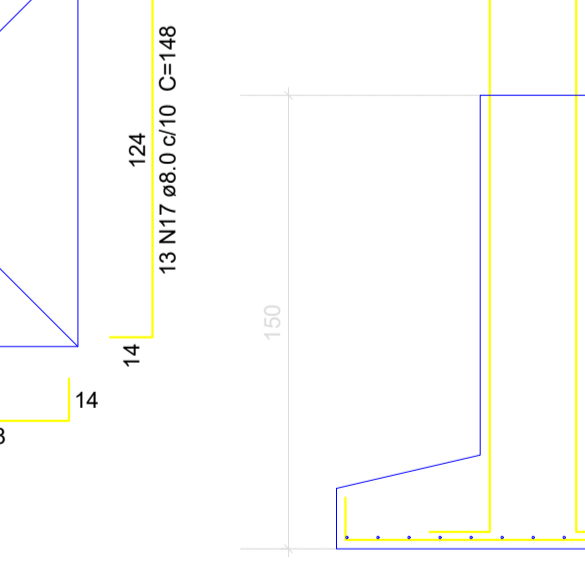
P17



S17

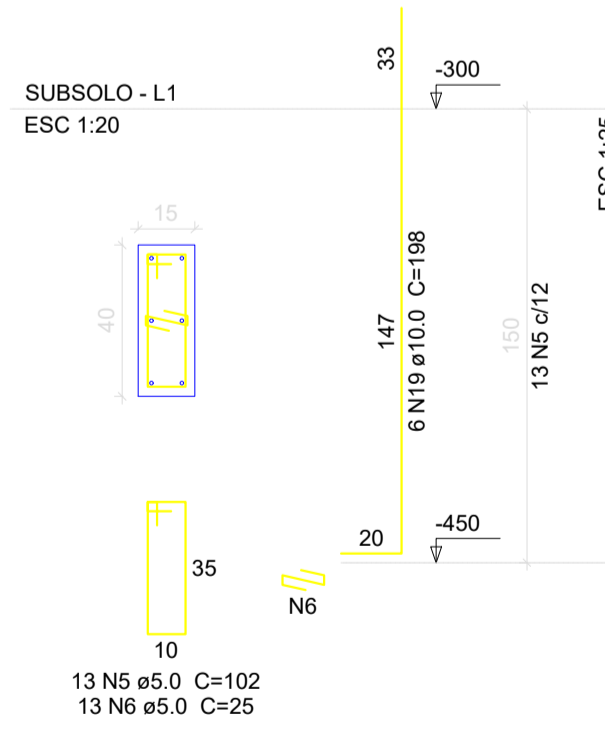


CORTE ESC 1:25

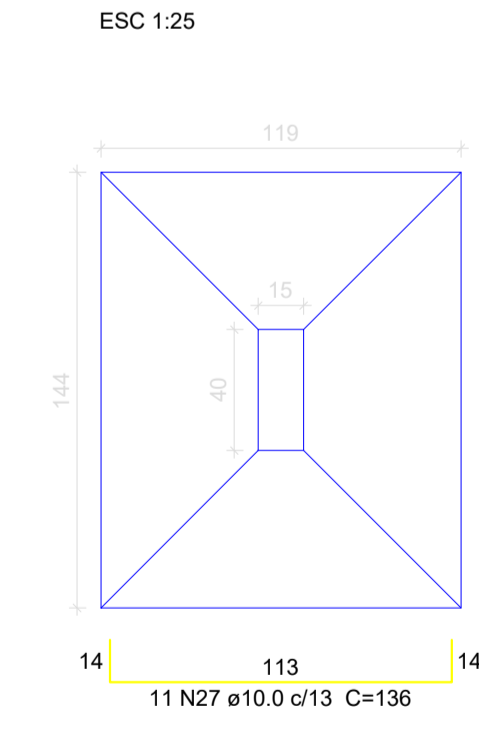


Solo compactado sobre a sapata peso especifico > 1600.00 kgf/m³

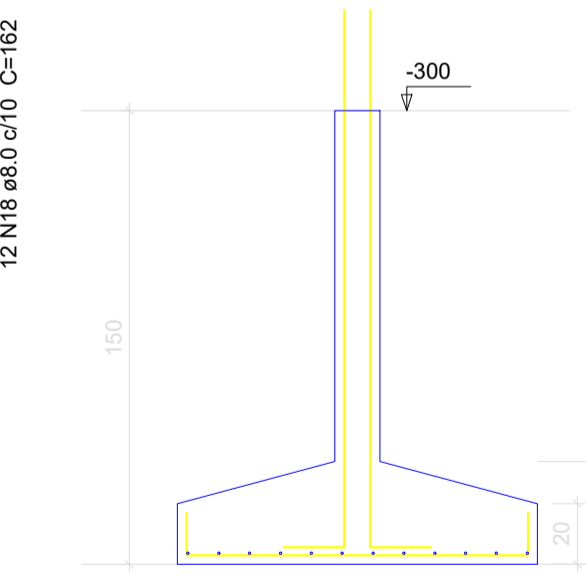
P25=P27



S25=S27



CORTE ESC 1:25



Solo compactado sobre a sapata peso especifico > 1600.00 kgf/m³

CLIENTE: MUNICÍPIO DE CORREIA PINTO CAPJ 75.438.655/0001-49

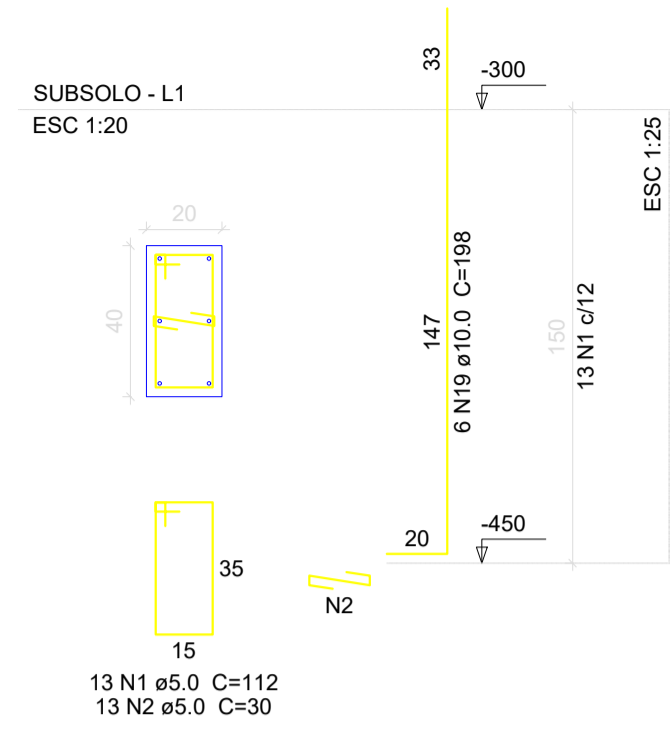
RESP. TÉCNICO: DIEFERSON BRANGER/00897449932 Assinado de forma digital por DIEFERSON BRANGER/00897449932 Dados: 2021.11.18 09:39:50 -03'00'

PROJETO: PROJETO ESTRUTURAL

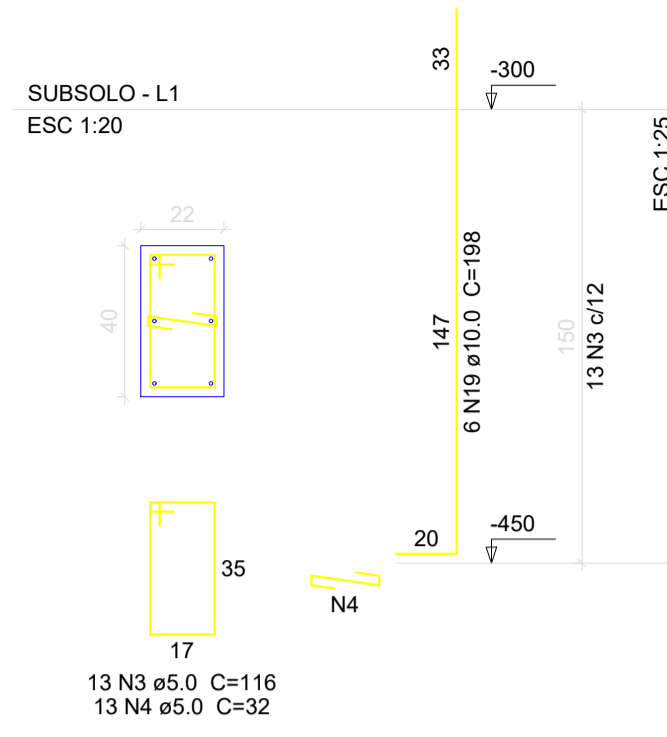
CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.

DESENHO: MARCOS B. CONF. DATA: ESCALA: INDICADAS APROV. ARG. PRANCHAS: EST. 06/50

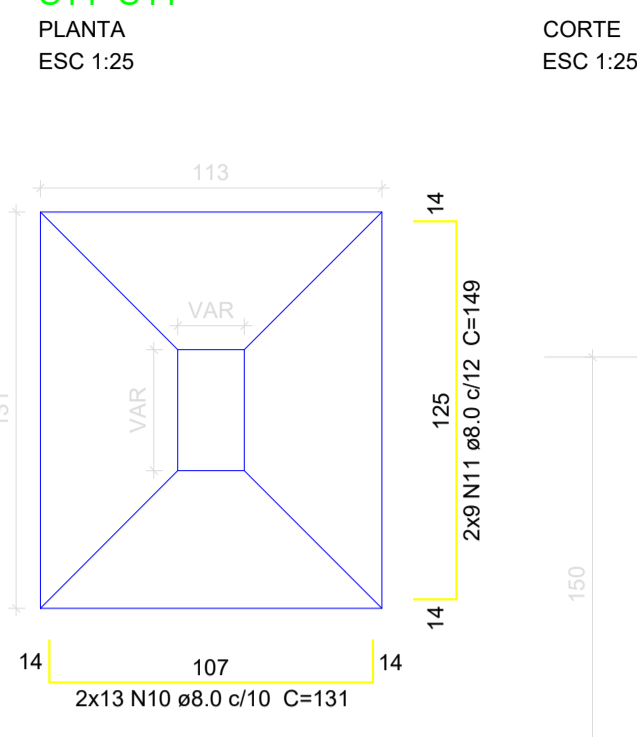
P14



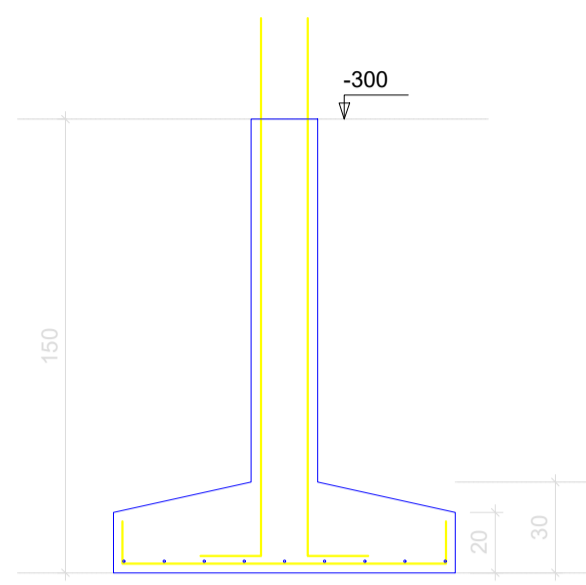
P44



S14=S44

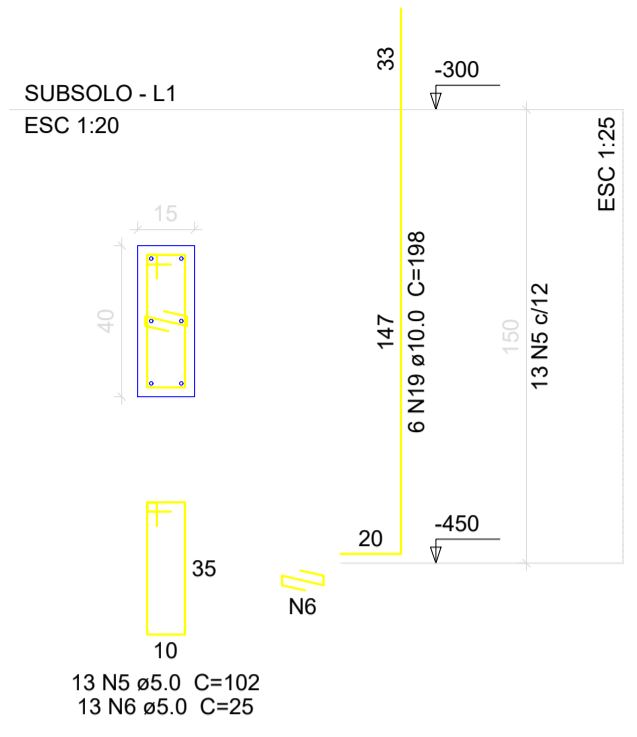


CORTE ESC 1:25

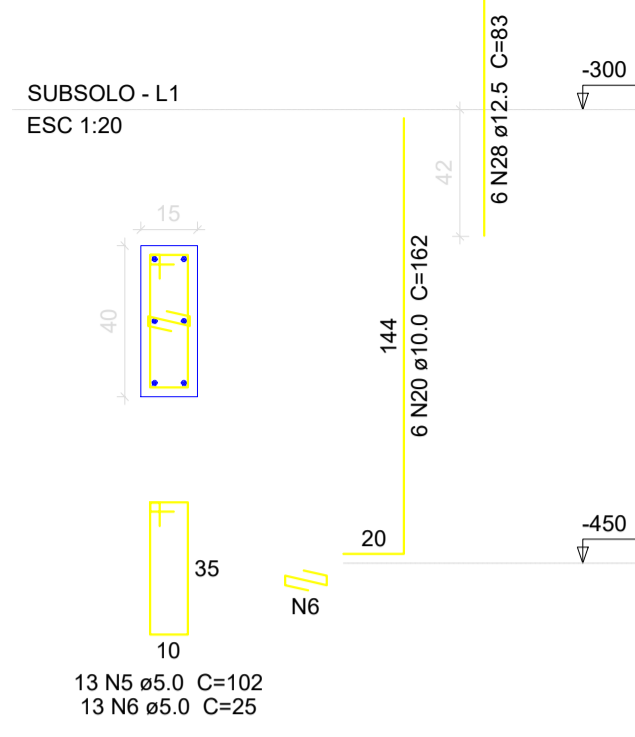


Solo compactado sobre a sapata peso específico > 1600.00 kgf/m³

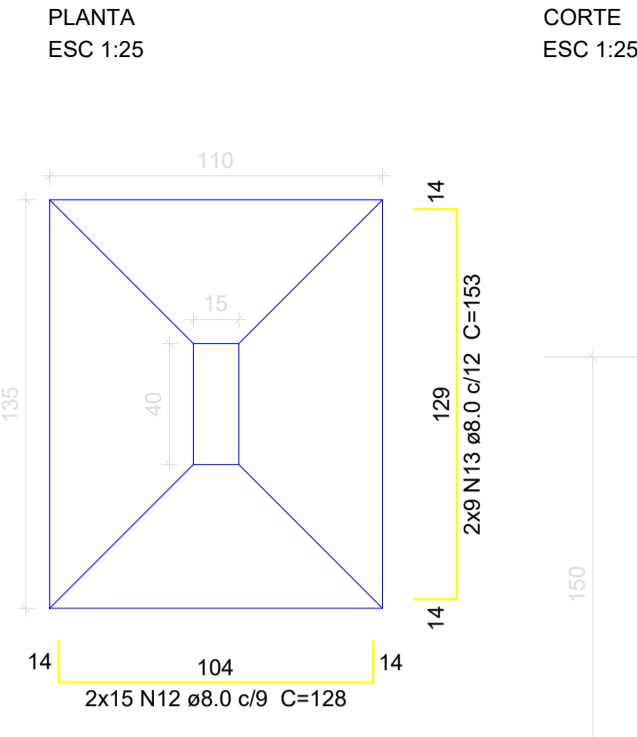
P45



P46



S45=S46

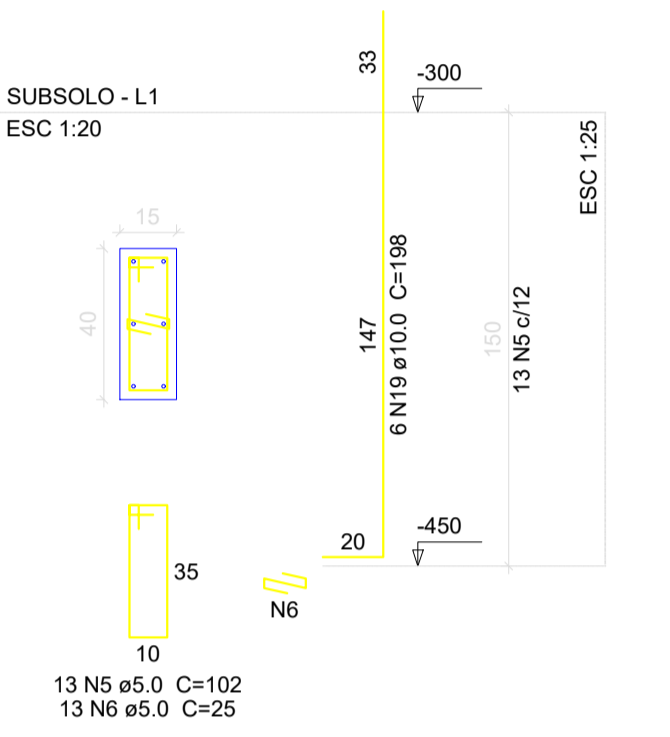


Solo compactado sobre a sapata peso específico > 1600.00 kgf/m³

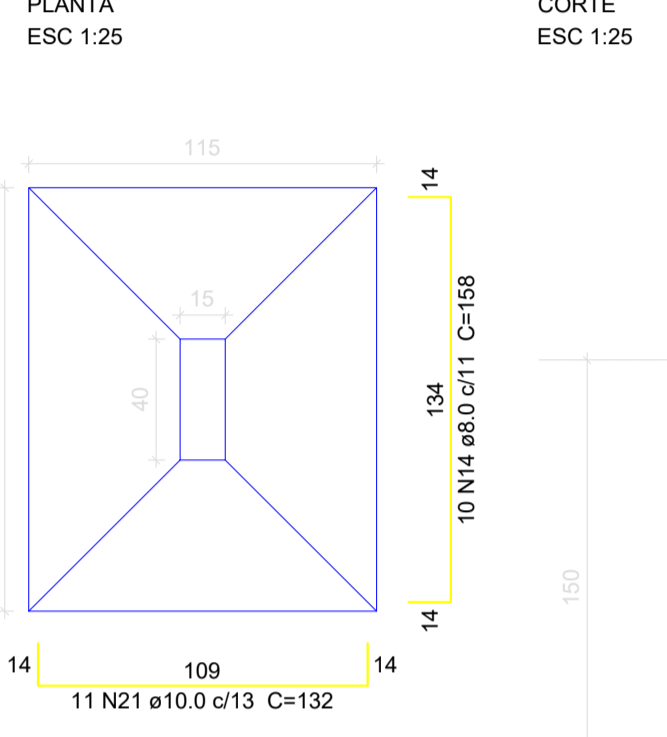
Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	13	112	1456
	2	5.0	13	30	390
	3	5.0	13	116	1508
	4	5.0	13	32	416
	5	5.0	143	102	14586
	6	5.0	143	25	3575
	7	5.0	13	112	1456
	8	5.0	13	35	455
	9	5.0	17	132	2244
	10	8.0	26	131	3406
	11	8.0	18	149	2682
	12	8.0	30	128	3840
	13	8.0	18	153	2754
	14	8.0	20	158	3160
	15	8.0	20	159	3180
	16	8.0	36	161	5796
	17	8.0	26	148	3848
	18	8.0	24	162	3888
	19	10.0	72	198	14256
	20	10.0	6	162	972
	21	10.0	22	132	2904
	22	10.0	2	67	134
	23	10.0	22	133	2926
	24	10.0	6	295	1770
	25	10.0	12	183	2196
	26	10.0	33	135	4455
	27	10.0	22	136	2992
	28	12.5	6	83	498
	29	12.5	8	171	1368
	30	12.5	4	206	824

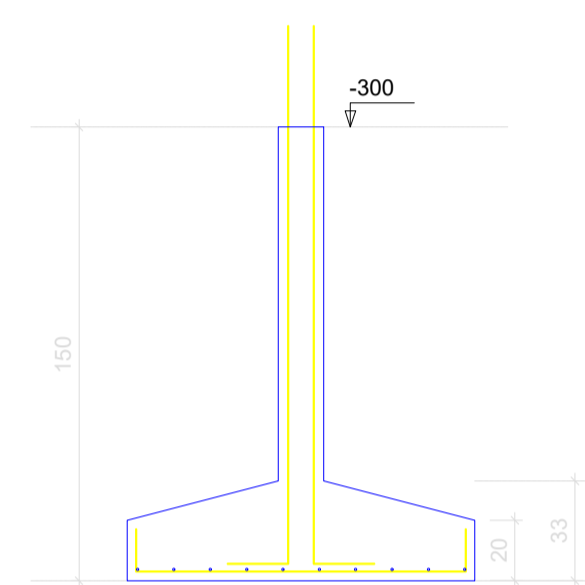
P15=P18



S15=S18

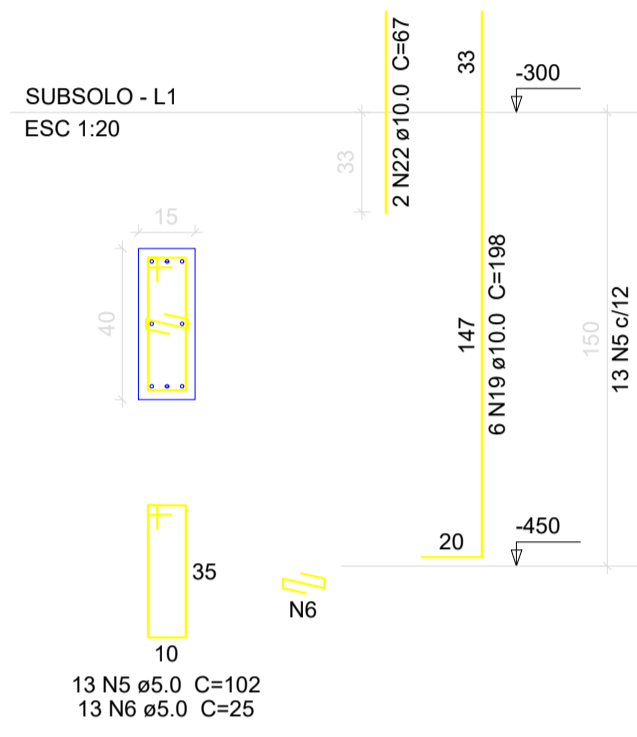


CORTE ESC 1:25

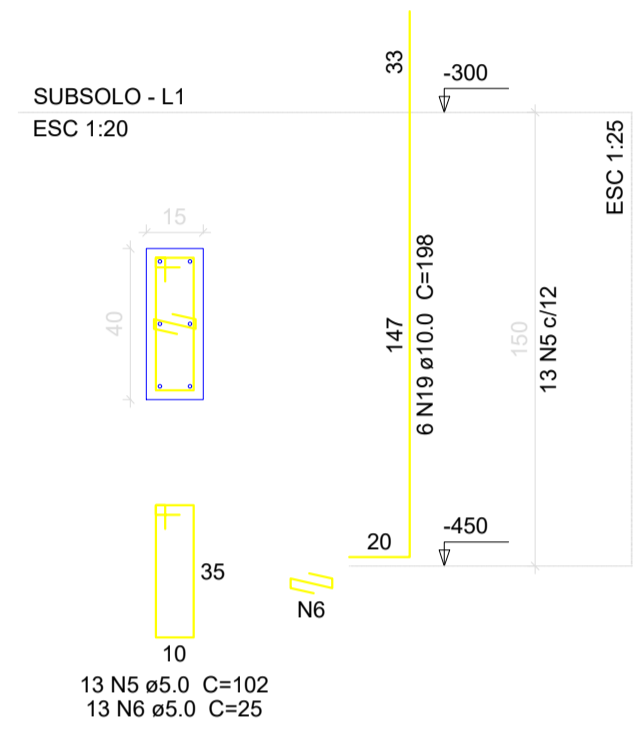


Solo compactado sobre a sapata peso específico > 1600.00 kgf/m³

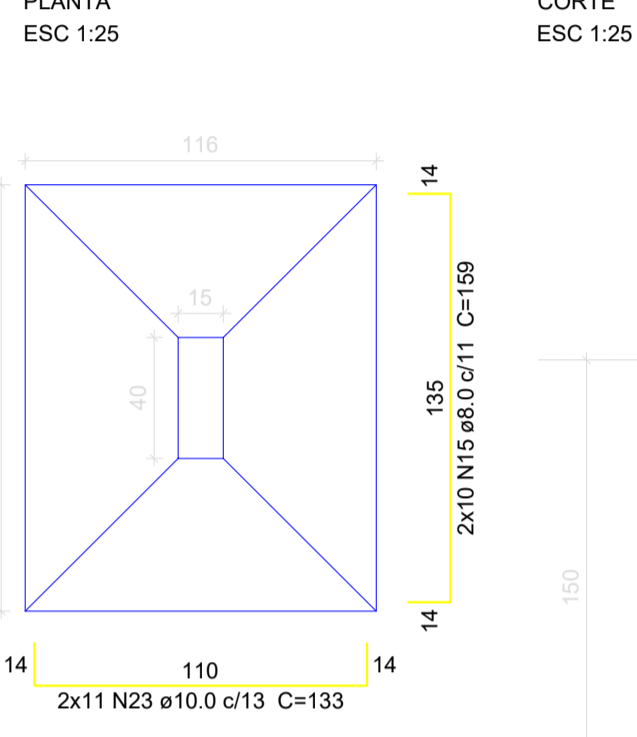
P42



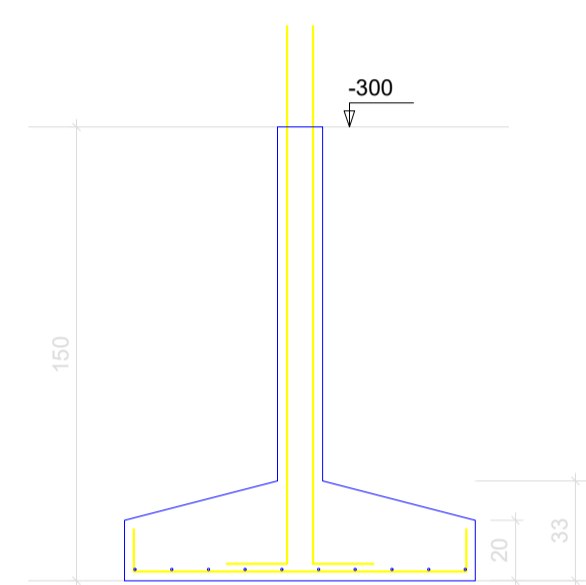
P8



S8=S42

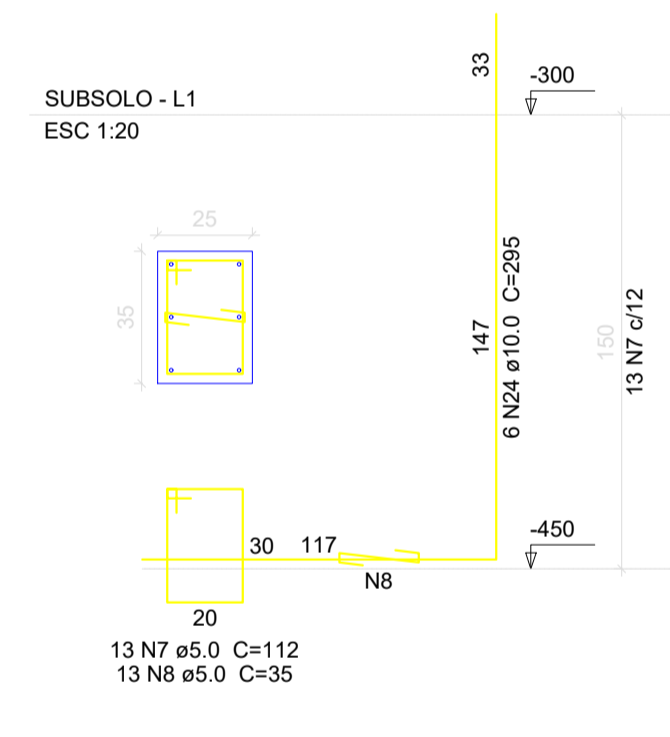


CORTE ESC 1:25

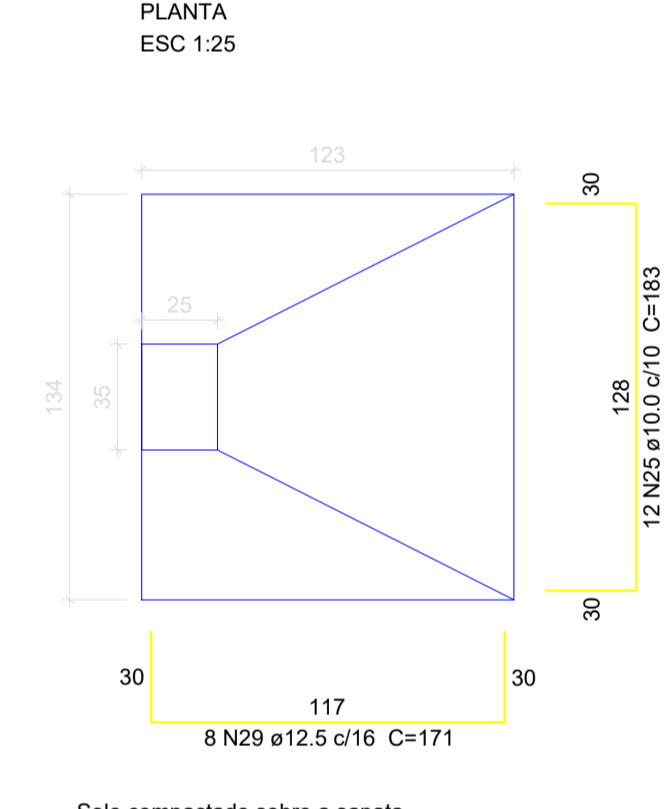


Solo compactado sobre a sapata peso específico > 1600.00 kgf/m³

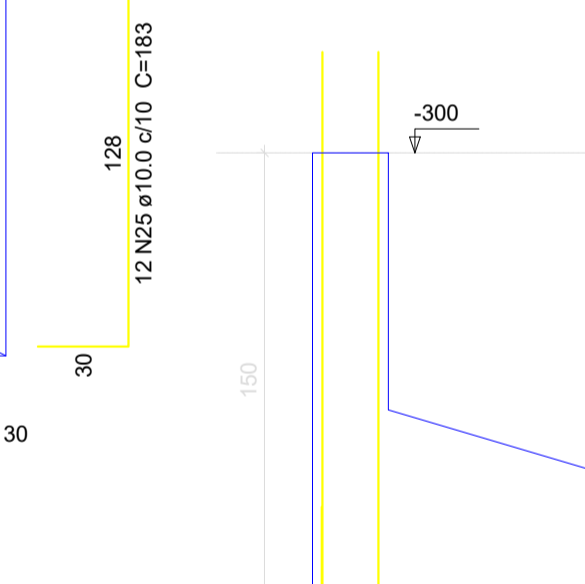
P20



S20

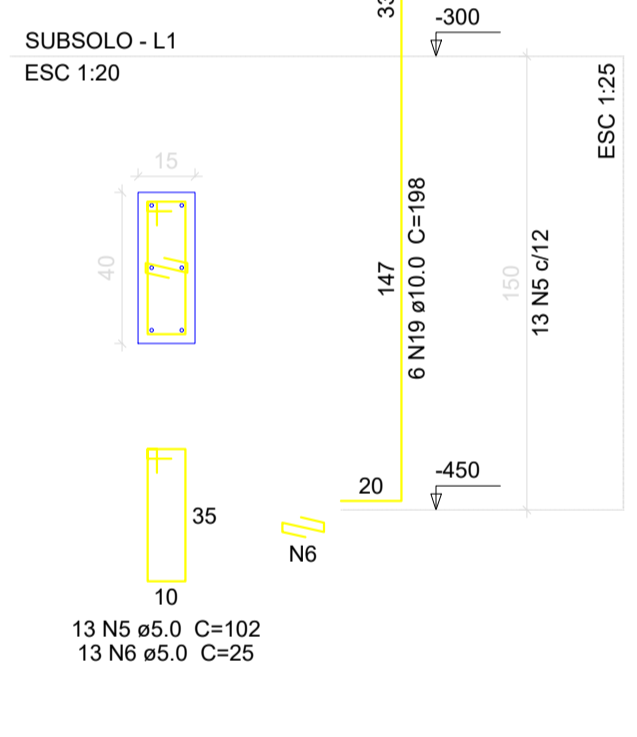


CORTE ESC 1:25

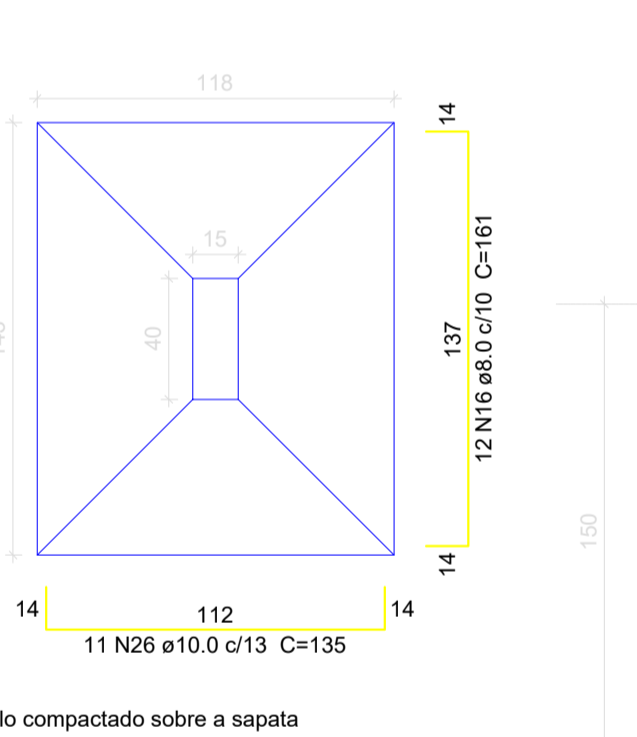


Solo compactado sobre a sapata peso específico > 1600.00 kgf/m³

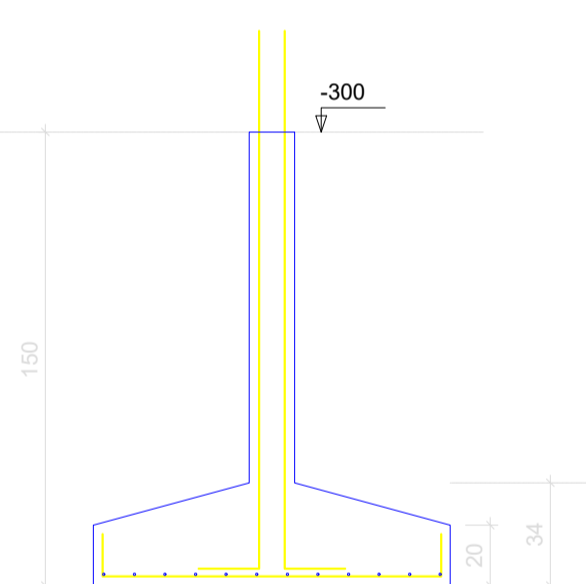
P22=P29=P34



S22=S29=S34

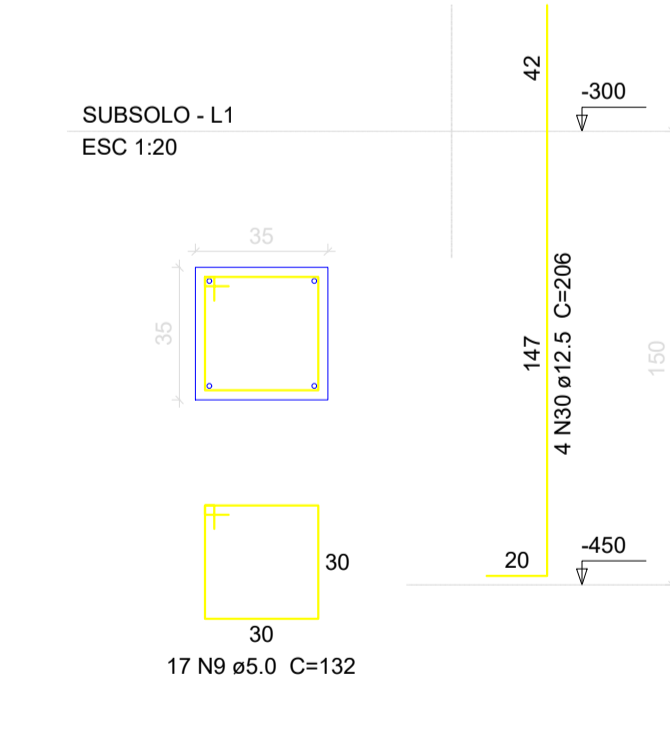


CORTE ESC 1:25

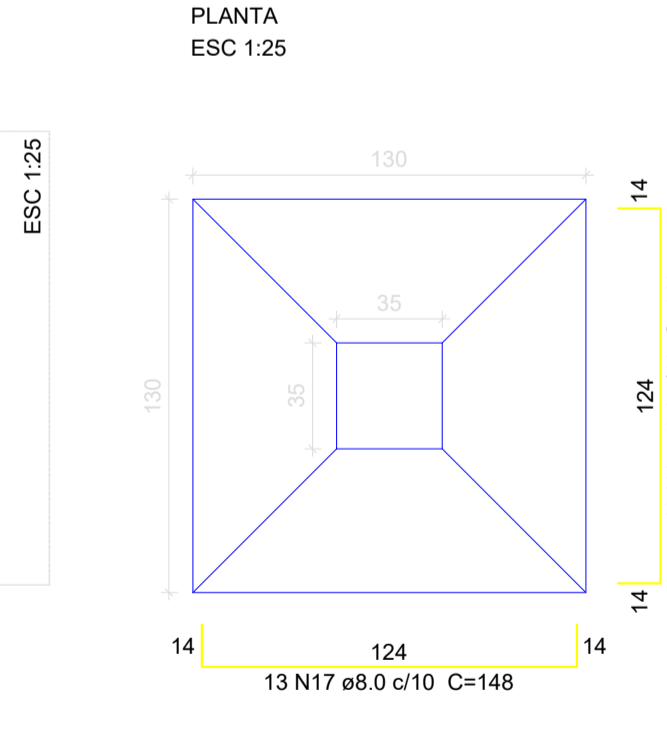


Solo compactado sobre a sapata peso específico > 1600.00 kgf/m³

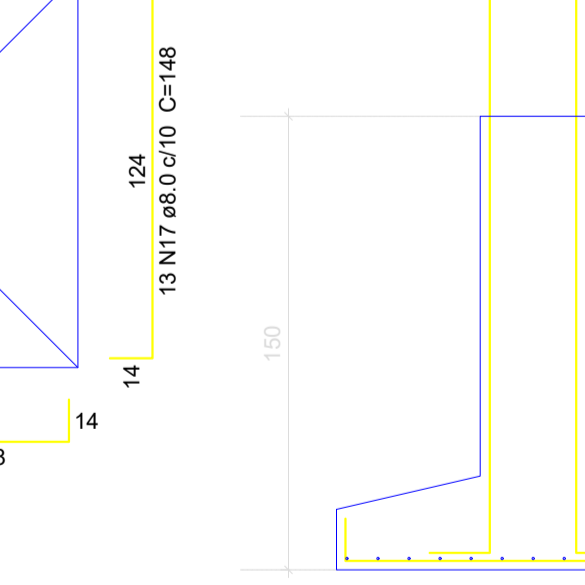
P17



S17

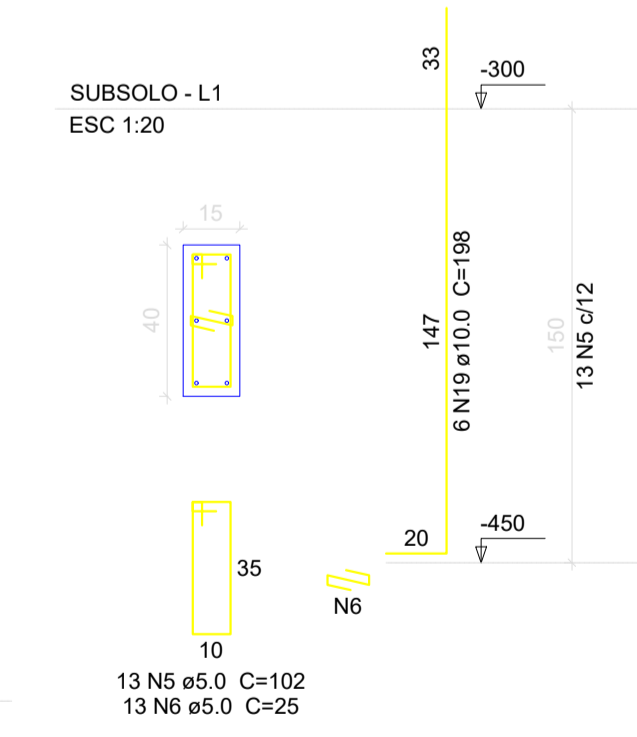


CORTE ESC 1:25

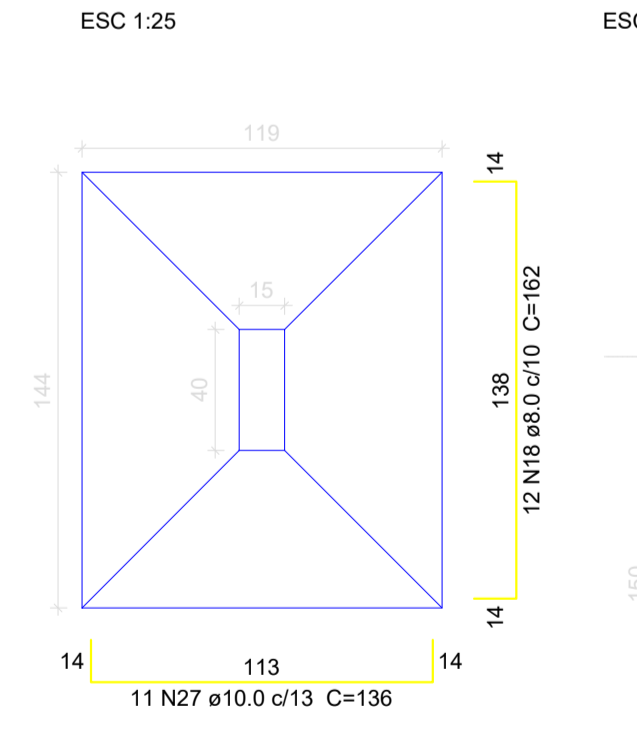


Solo compactado sobre a sapata peso específico > 1600.00 kgf/m³

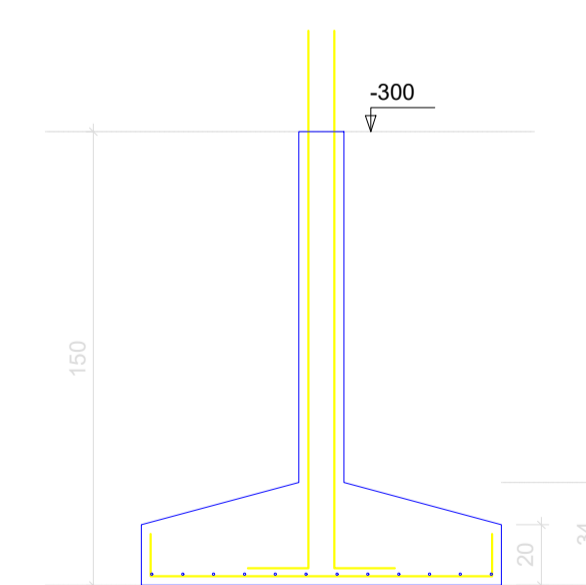
P25=P27



S25=S27



CORTE ESC 1:25



Solo compactado sobre a sapata peso específico > 1600.00 kgf/m³

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	325.6	141.3
	10.0	326.1	221.1
	12.5	26.9	28.5
CA60	5.0	260.9	44.2
PESO TOTAL (kg)			
CA50		390.9	
CA60		44.2	

Volume de concreto (C-30) = 8.05 m³
Área de forma = 42.23 m²

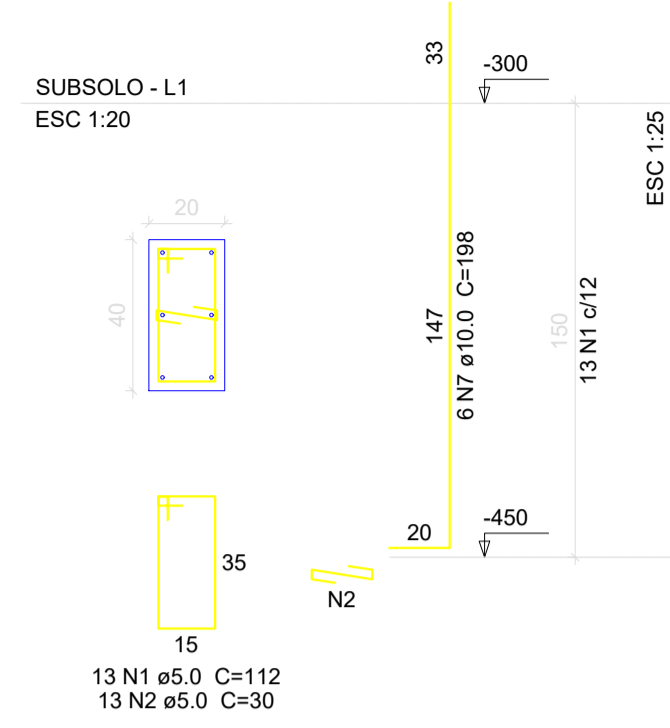
CLIENTE: MUNICÍPIO DE CORREIA PINTO CAPJ 75.438.655/0001-49

RESP. TÉCNICO: DIEFERSON BRANGER:00897449932

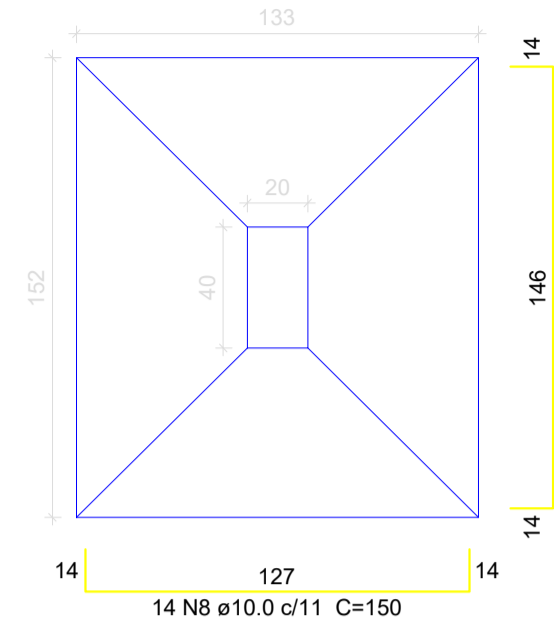
PROJETO: CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.

DESENHO: MARCOS B. CONF. DATA: ESCALA: INDICADAS APROV. ARG. PRANCHAS: EST. 07/50

P49



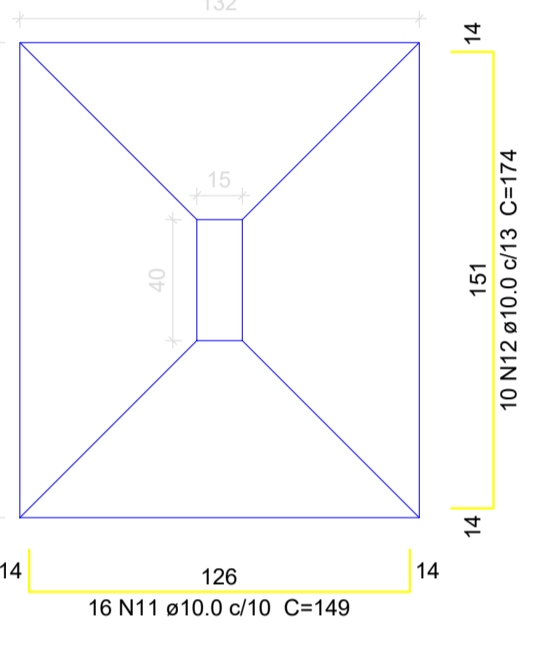
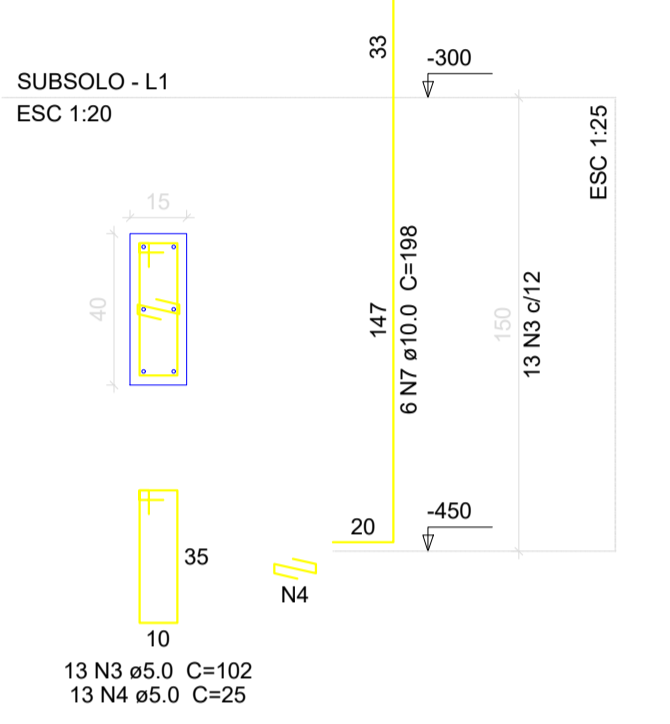
S49
PLANTA
ESC 1:25



Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

S35
PLANTA
ESC 1:25

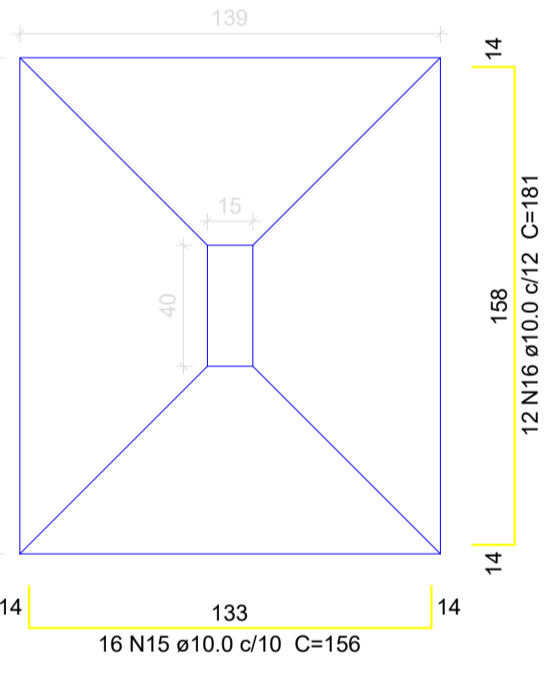
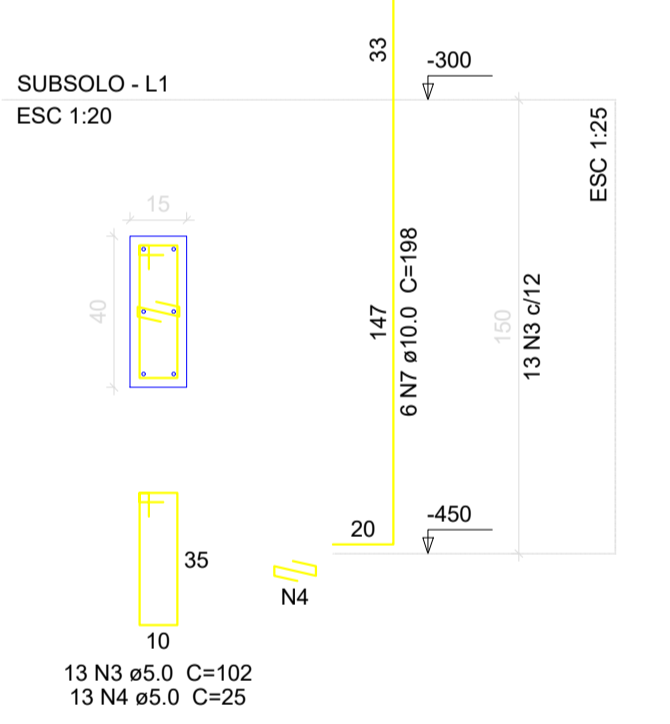
P35



Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

S26
PLANTA
ESC 1:25

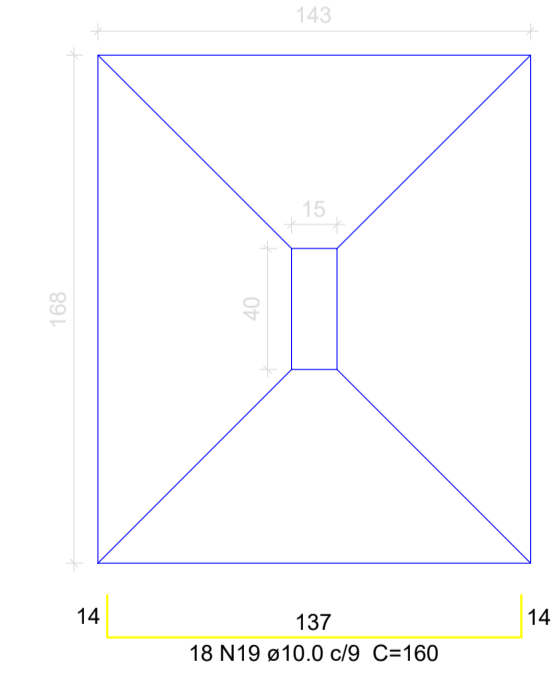
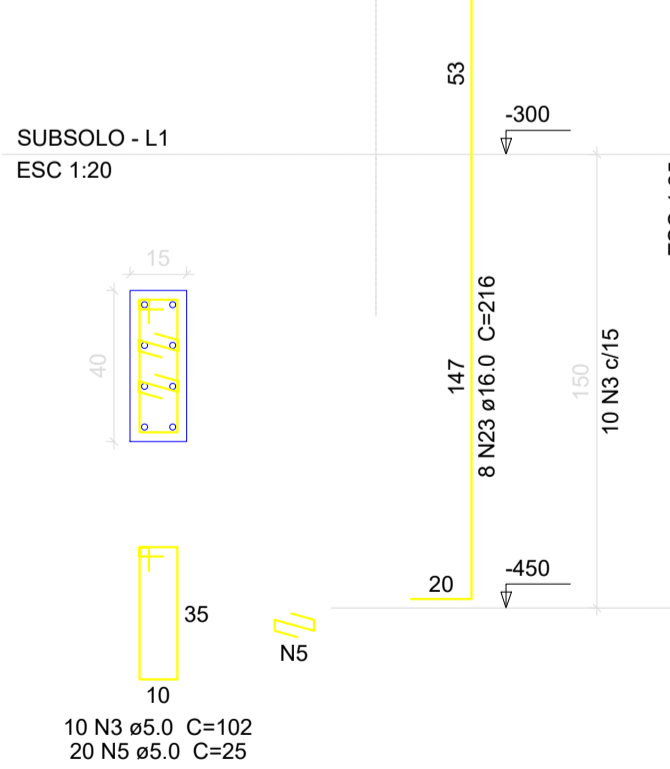
P26



Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

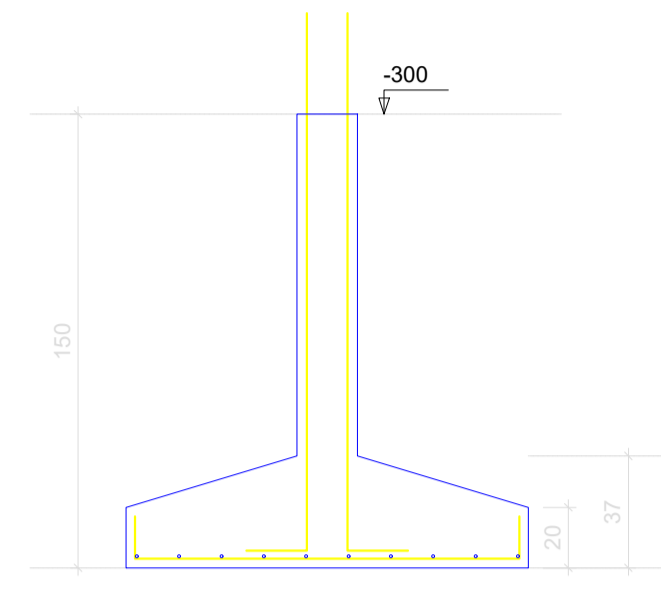
S23
PLANTA
ESC 1:25

P23



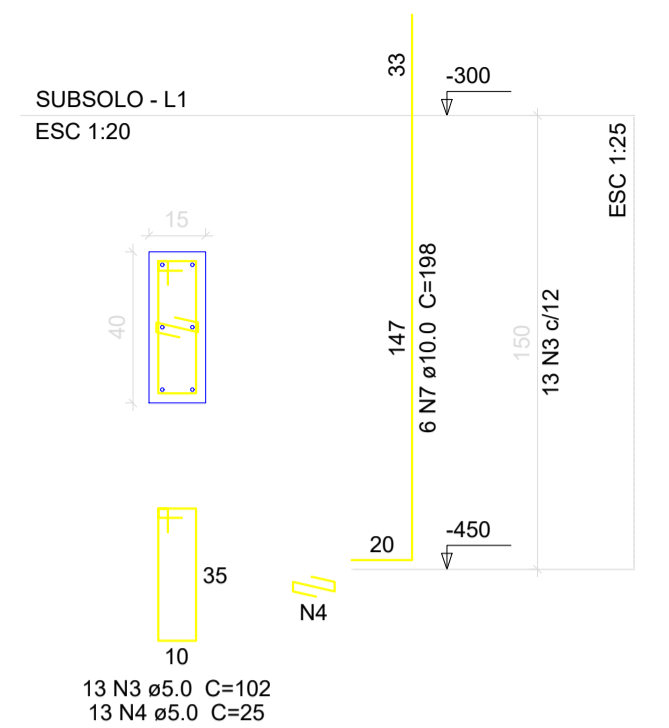
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

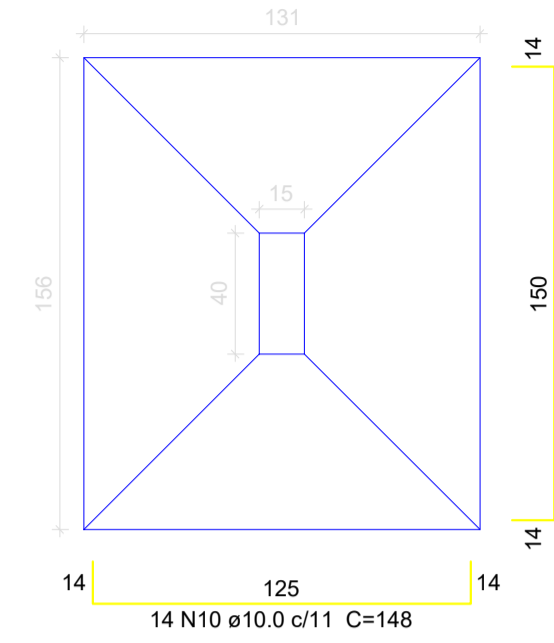


CORTE
ESC 1:25

P48



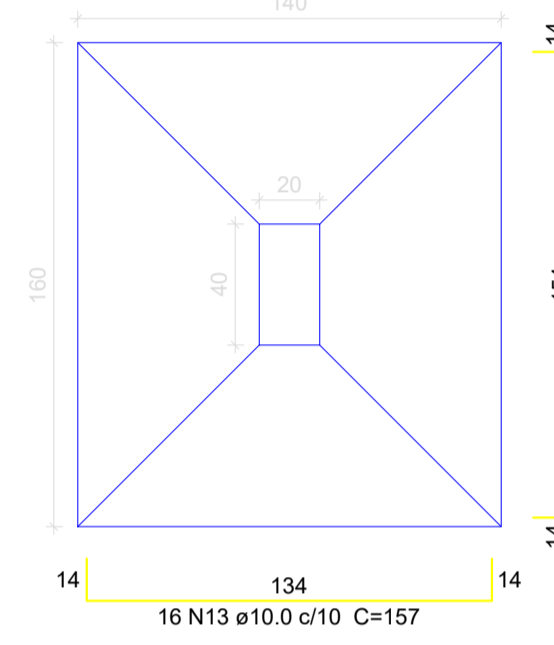
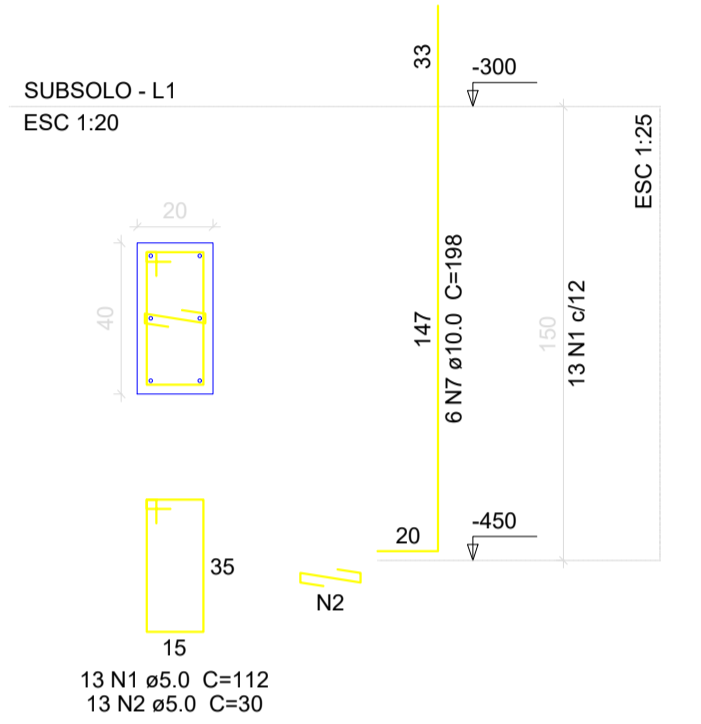
S48
PLANTA
ESC 1:25



Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

S33
PLANTA
ESC 1:25

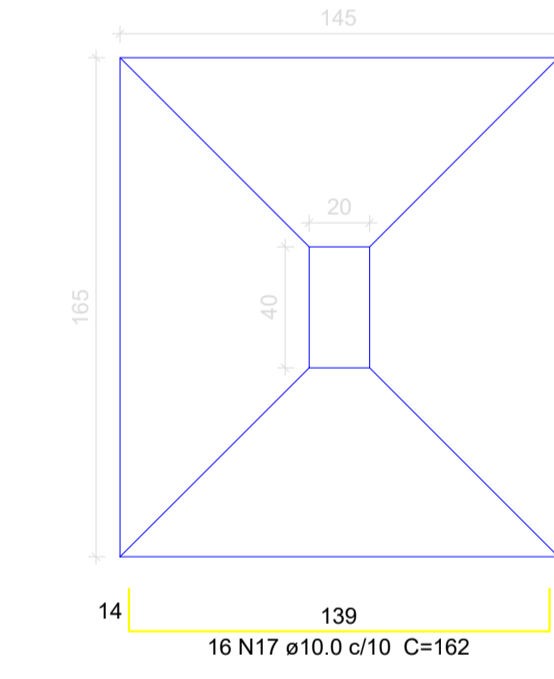
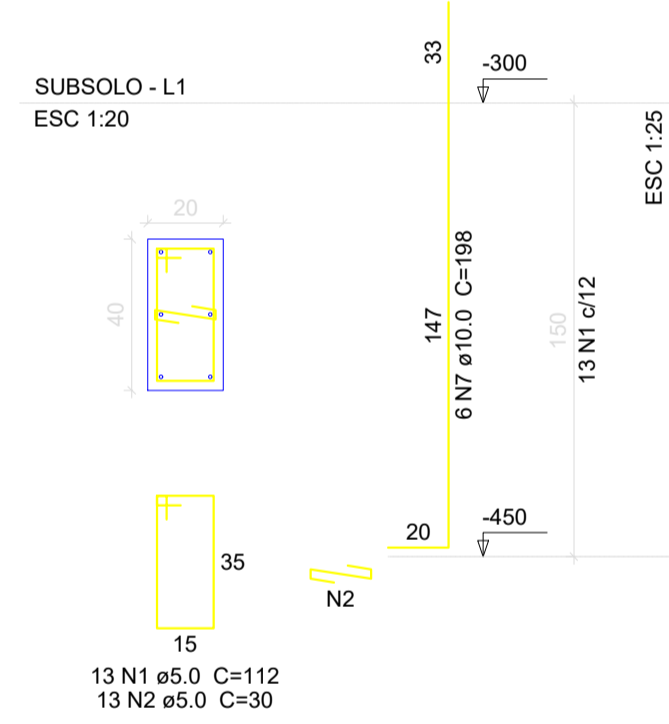
P33



Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

S43
PLANTA
ESC 1:25

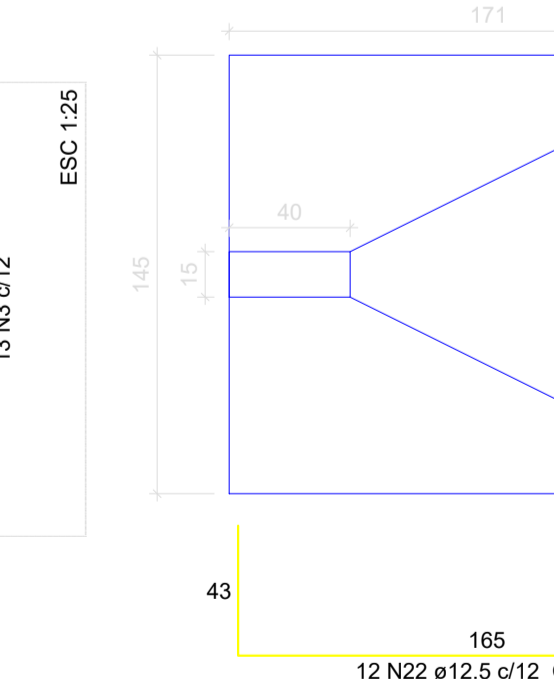
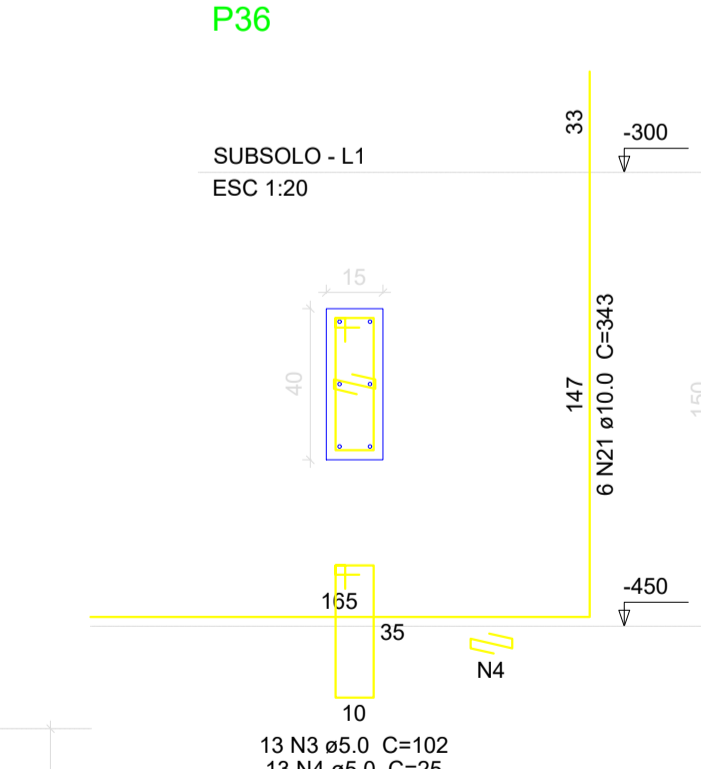
P43



Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

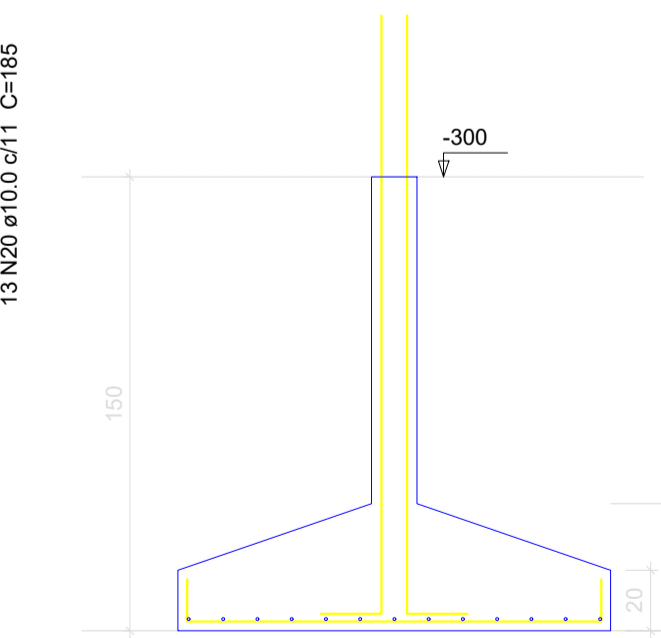
S36
PLANTA
ESC 1:25

P36



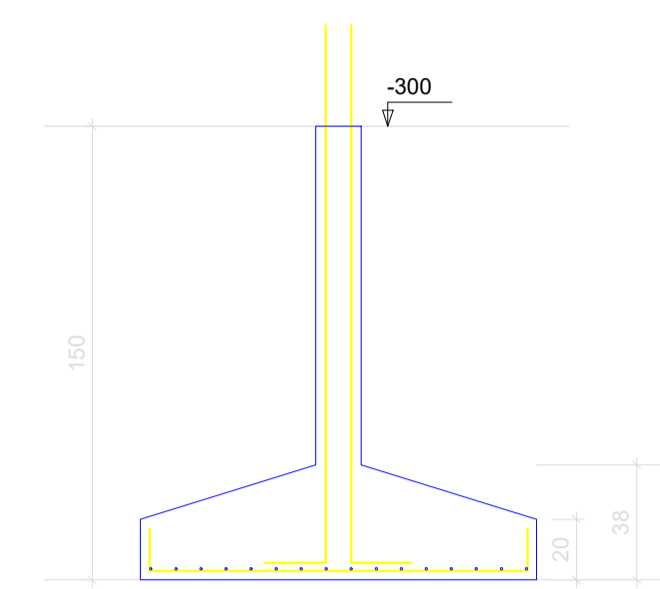
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25



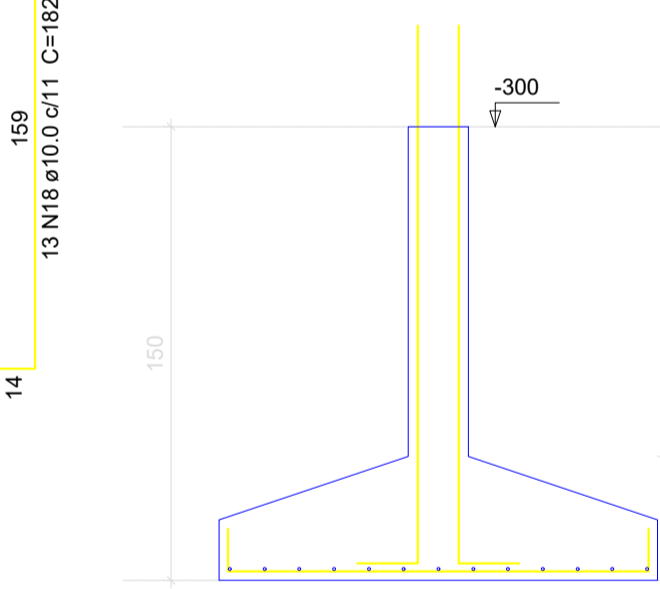
CORTE
ESC 1:25

CORTE
ESC 1:25

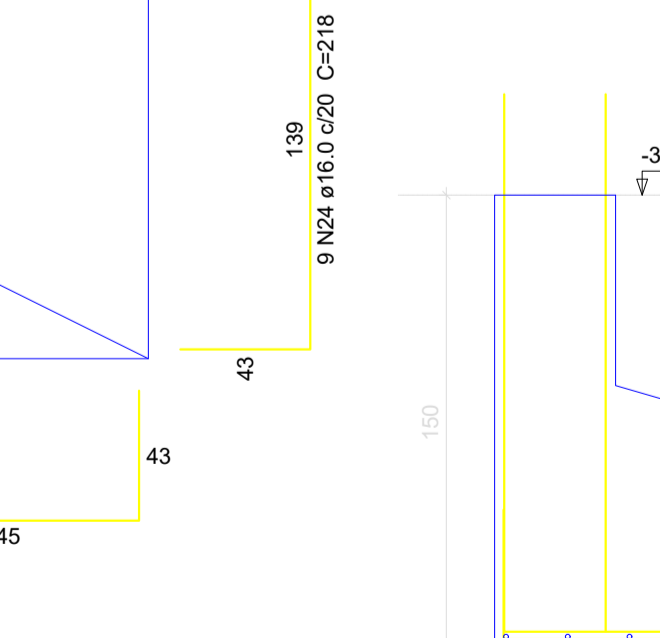


CORTE
ESC 1:25

CORTE
ESC 1:25



CORTE
ESC 1:25



Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	39	112	4368
	2	5.0	39	30	1170
	3	5.0	62	102	6324
	4	5.0	52	25	1300
	5	5.0	20	25	500
CA50	6	8.0	16	174	2784
	7	10.0	36	198	7128
	8	10.0	14	150	2100
	9	10.0	10	169	1690
	10	10.0	14	148	2072
	11	10.0	16	149	2384
	12	10.0	10	174	1740
	13	10.0	16	157	2512
	14	10.0	12	177	2124
	15	10.0	16	156	2496
	16	10.0	12	181	2172
	17	10.0	16	162	2592
	18	10.0	13	182	2366
	19	10.0	18	160	2880
	20	10.0	13	185	2405
	21	10.0	6	343	2058
	22	12.5	12	245	2940
	23	16.0	8	216	1728
	24	16.0	9	218	1962

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	27.9	12.1
	10.0	387.2	262.6
	12.5	29.4	31.2
	16.0	36.9	64.1
CA60	5.0	136.7	23.2
PESO TOTAL (kg)			
CA50		369.9	
CA60		23.2	

Volume de concreto (C-30) = 6.72 m³
Área de forma = 25.64 m²

CLIENTE: MUNICÍPIO DE CORREIA PINTO CAPJ 79.438.695/0001-46

RESP. TÉCNICO: DIEFERSON BRANGER-00897449932
Assinado de forma digital por DIEFERSON BRANGER-00897449932
Dados: 2021.11.18 09:41:27 -03'00'

PROJETO: PROJETO ESTRUTURAL

CONSTRUÇÃO DE UM EDIFÍCIO PÚBLICO DE 2 PAVIMENTOS NO MUNICÍPIO DE CORREIA PINTO - SC.

DISCRIMINAÇÃO DO DESENHO: DETALHES SUBSOLO

DESENHO: MARCOS B. CONF. DATA: ESCALA: INDICADAS APROV. ARG. PRANCHAS: EST. 08/50