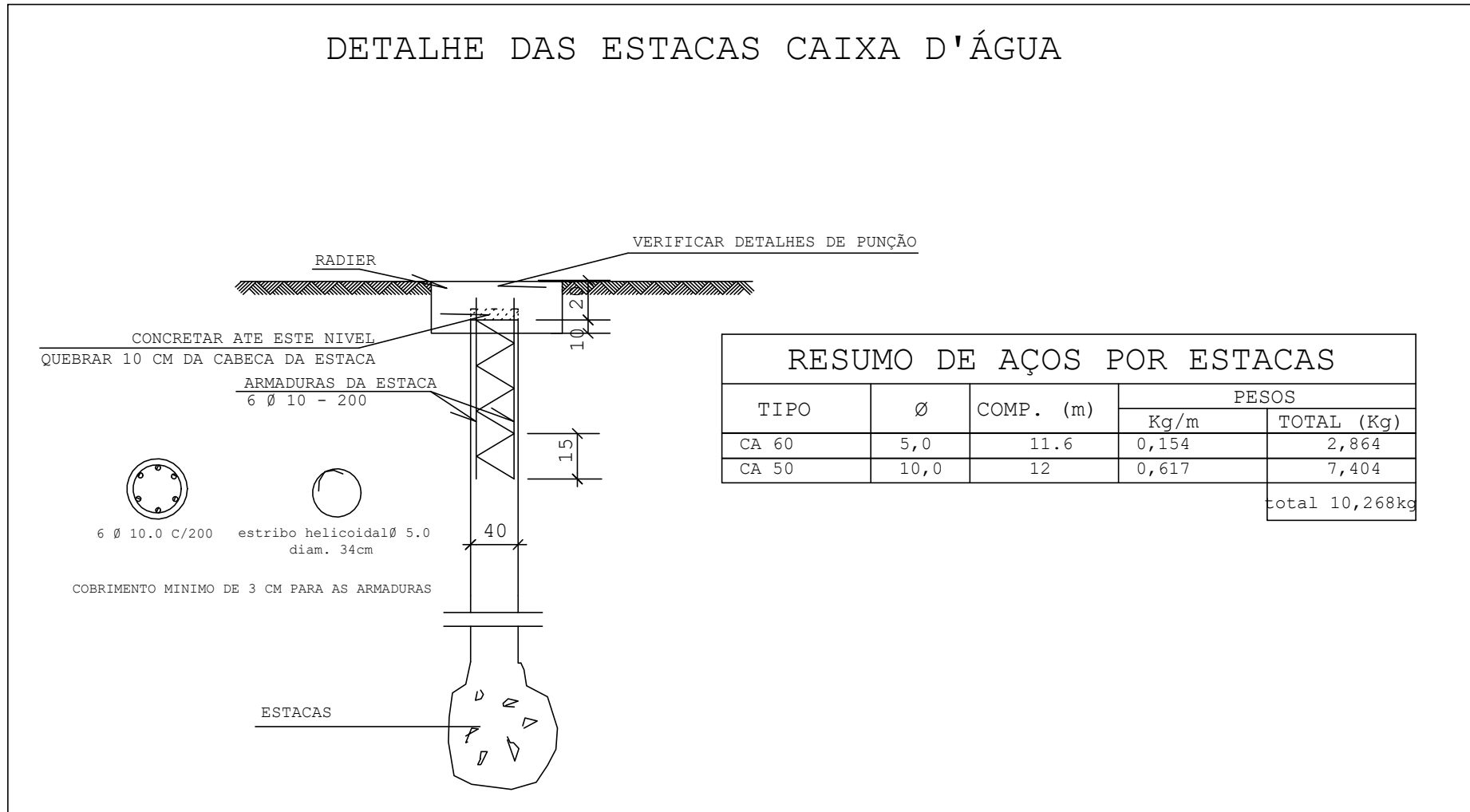


Pilar		Bloco	
Nome	Seção	Carga Máx. (tf)	Estaca
ER1	13x30 cm	9.1	ca = 70 cm
ER2	13x30 cm	14.2	ca = 70 cm
ER3	13x30 cm	18.0	ca = 70 cm
ER4	13x30 cm	14.8	ca = 70 cm
ER5	13x30 cm	17.2	ca = 70 cm
ER6	13x30 cm	21.8	ca = 70 cm
ER7	13x30 cm	17.2	ca = 70 cm
ER8	13x30 cm	9.6	ca = 70 cm
ER9	13x30 cm	14.3	ca = 70 cm
ER10	13x30 cm	18.0	ca = 70 cm
ER11	13x30 cm	15.1	ca = 70 cm

Estacas			
Simbologia	Nome	d (cm)	Quantidade
	C40	40.00	11

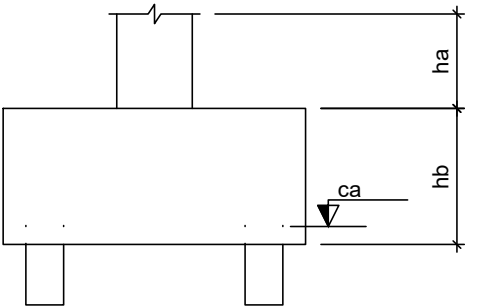
Planta de localização setor administrativo escala 1:75



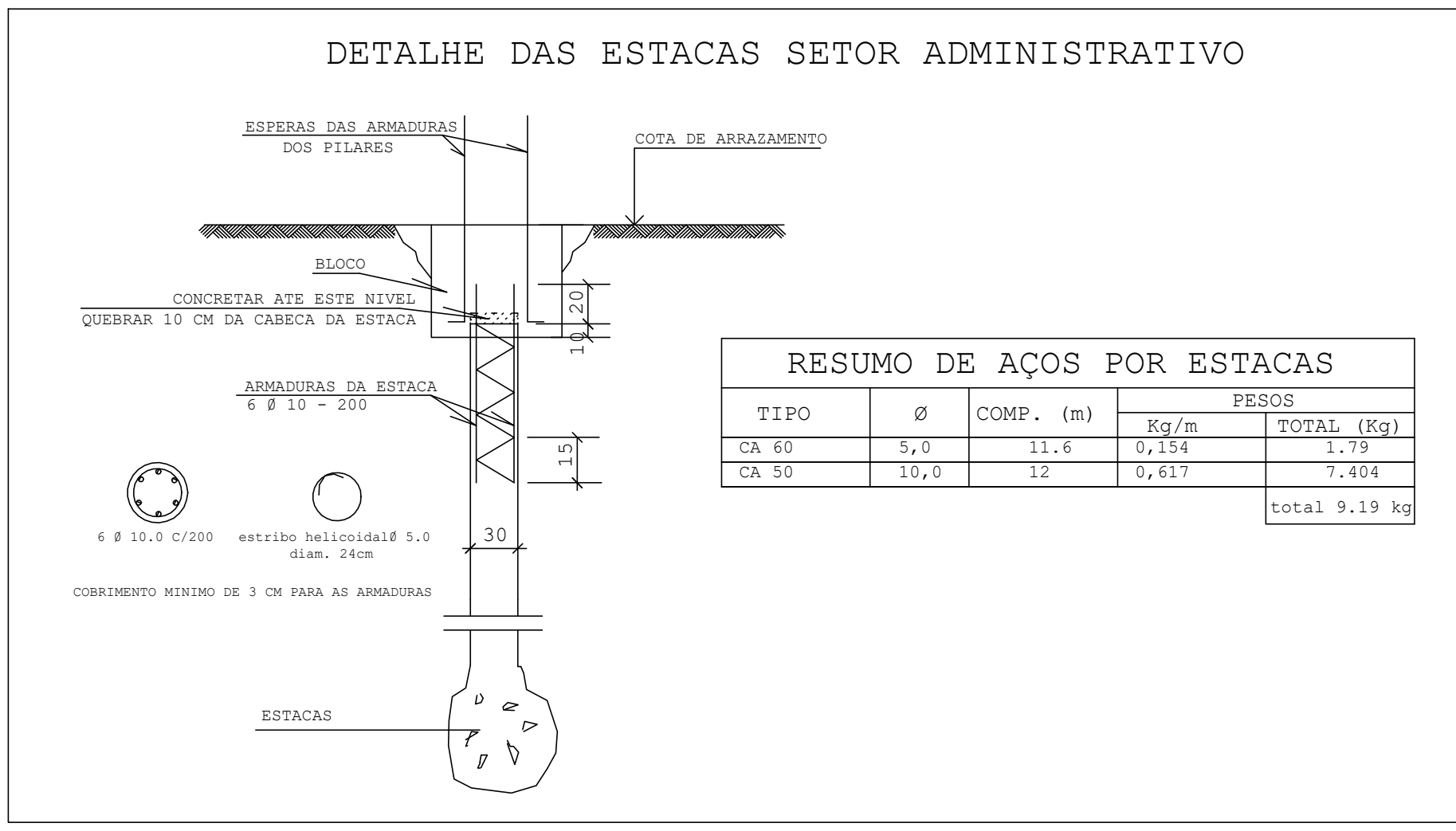
Pilar		Fundação		Bloco	
Nome	Seção	Carga Máx. (tf)	Carga Min. (tf)	Nº / ha	B1 / B2
E9	13x30 cm	1.4	0.5	1	C30
E10	13x30 cm	1.8	0.9	1	C30
E11	13x30 cm	2.1	1.2	1	C30
E12	13x30 cm	2.2	1.3	1	C30
P30	18x40 cm	4.1	4.0	30	C30
P31	18x40 cm	5.5	5.4	30	C30
P32	18x40 cm	5.6	5.5	30	C30
P33	18x40 cm	1.6	1.5	30	C30
P34	13x30 cm	4.6	4.6	30	C30
P35	13x30 cm	5.2	5.2	30	C30
P36	13x30 cm	2.9	2.8	30	C30
P37	13x30 cm	3.5	3.5	30	C30
P38	13x30 cm	3.3	3.3	30	C30
P39	13x30 cm	3.0	3.0	30	C30
P40	13x30 cm	4.6	4.6	30	C30
P41	13x30 cm	5.4	5.3	30	C30
P42	13x30 cm	3.9	3.9	30	C30
P43	13x30 cm	3.8	3.7	30	C30
P44	13x30 cm	3.1	3.1	30	C30
P45	13x30 cm	2.3	2.3	30	C30
P46	13x30 cm	3.3	3.3	30	C30
P48	13x30 cm	3.8	3.8	30	C30
P49	13x30 cm	5.1	5.1	30	C30
P51	15x40 cm	4.9	4.8	30	C30
P52	18x40 cm	8.7	8.7	30	C30
P53	13x30 cm	3.9	3.8	30	C30
P54	13x30 cm	2.9	2.9	30	C30
P55	13x30 cm	3.5	3.4	30	C30
P56	13x30 cm	2.9	2.9	30	C30
P57	13x30 cm	4.2	4.1	30	C30
P58	13x30 cm	5.7	5.6	30	C30
P59	13x30 cm	4.5	4.4	30	C30
P60	13x30 cm	3.1	3.0	30	C30
P61	13x30 cm	3.6	3.5	30	C30
P62	13x30 cm	3.0	3.0	30	C30
P63	13x30 cm	3.7	3.7	30	C30
P64	13x30 cm	3.1	3.1	30	C30
P65	13x30 cm	2.4	2.3	30	C30
P66	13x30 cm	3.7	3.6	30	C30
P67	13x30 cm	4.5	4.5	30	C30
P68	13x30 cm	5.5	5.5	30	C30
P69	15x40 cm	3.6	3.6	30	C30
P70	15x40 cm	4.4	4.3	30	C30
P71	13x30 cm	2.9	2.8	30	C30
P72	13x30 cm	5.0	4.9	30	C30
P73	13x30 cm	3.1	3.0	30	C30
P74	13x30 cm	4.1	4.0	30	C30
P75	13x30 cm	2.7	2.6	30	C30
P76	13x30 cm	4.4	4.3	30	C30
P77	13x30 cm	3.4	3.4	30	C30
P78	13x30 cm	3.0	2.9	30	C30
P79	15x40 cm	6.0	5.9	30	C30
P80	13x30 cm	6.2	6.2	30	C30
P81	13x30 cm	4.2	4.1	30	C30
P82	15x30 cm	4.7	4.7	30	C30
P83	13x30 cm	6.1	6.0	30	C30
P84	13x30 cm	6.1	6.1	30	C30
P85	13x40 cm	0.4	0.3	30	C30
P86	13x30 cm	2.2	2.2	30	C30
P87	13x30 cm	2.2	2.1	30	C30
P88	15x40 cm	9.3	9.2	30	C30
P89	15x40 cm	5.8	5.8	30	C30
P90	15x40 cm	5.3	5.3	30	C30

Simbologia	Nome	d (cm)	Quantidade
	C30	30.00	66

Localização no eixo X		Localização no eixo Y	
Coordenadas (m)	Nome	Coordenadas (m)	Nome
-7705.87	P34, E10	-1933.37	P30
-7697.38	P45	-1949.37	P31, P32
-7697.37	P40	-1949.38	P33
-7618.09	P77	-2081.90	P140
-7517.10	P57	-2200.87	P35
-7517.09	P64, P78	-2200.88	P36
-7233.37	P65	-2211.38	P34, P37
-7228.87	P55	-2486.88	E9
-7119.87	P35, P38, P41	-2533.37	P39
-7080.88	P66	-2533.88	P38
-7075.87	P79	-2544.63	E10
-6784.87	P42, P55	-2866.87	P40, P43
-6743.88	P60	-2866.88	P41, P42
-6738.87	P67	-3042.37	P44
-6646.37	P36	-3044.38	P52
-6277.38	P81	-3055.87	P46, P48
-6277.37	P43	-3055.88	P49, P53
-6269.87	P68	-3056.88	P51
-6268.88	P37, P39, P44	-3064.37	P54
-6268.87	P54, P56	-3080.88	P45
-6255.38	P30	-3170.87	P55
-6074.87	P60, P62	-3170.88	P56
-5919.87	P60, P61	-3181.87	P57
-5911.38	P46	-3186.88	P58
-5710.38	P31	-3271.88	P60
-5643.37	P70, P83	-3380.38	P59
-5604.87	P45, P62	-3587.38	P61
-5295.38	P49	-3587.87	P61, P62
-5289.87	P63, P71, P84	-3692.38	P64
-5117.59	P52	-3700.88	P65
-4874.88	P85	-3725.87	P75, P76
-4874.87	P72	-3725.88	P72, P73, P74
-4873.87	P68	-3752.38	P68
-4861.37	P51	-3759.87	P70
-4597.09	P53, P140, E9, P52	-3760.87	P67
-4560.38	P73	-3761.45	P69
-4425.88	P69	-3788.38	P66, P71
-4232.38	P74, E13	-3915.88	P77
-4232.37	P89	-4056.37	E11
-4038.88	P87	-4192.38	E13
-3931.37	P53	-4200.88	P68, P67
-3904.38	P75	-4217.38	P65
-3819.83	E12	-4222.38	P78
-3590.88	P59	-4229.88	P76, P82
-3589.88	P70, E11	-4230.88	P60, P61, P63, P64
-3589.87	P54	-4386.87	P90
		-4386.88	P89
		-4400.37	E12



PROFUNDIDADE DAS ESTACAS	
Pilares com carga máxima de até 3 tf	4,00 metros
Pilares com carga de 3tf até 7 tf	7,00 metros
Pilares P52 E P88	7,00 metros



IMPORTANTE

- A QUEBRA DA CABEÇA DAS ESTACAS, OU ARRASAMENTO, FICA A CRITÉRIO DA EXECUÇÃO, DEVENDO A ESTACA SER CONCRETADA ATÉ UMA COTA SUPERIOR À DE ARRASAMENTO PARA QUE POSSA TER A NATA DE CIMENTO QUEBRADA;
- EM CASO DE ATERRO PROLONGAR AS ARMADURAS DAS ESTACAS ATÉ ATINGIR 1,50m DE COTA FUNDADA;
- EM CASO DE NECESSIDADE DE EXECUÇÃO DE MURO DE CONTENÇÃO ESTE EXIGE PROJETO ESPECÍFICO;

TEMPO DE DESFORMA DAS PEÇAS ESTRUTURAIS	
TIPO DE PEÇA ESTRUTURAL	DESFORMA
Fundo de vigas de menos de 3 m de vão	7 dias
Fundo de vigas de vão entre 3 m e 6 m	14 dias
Fundo de vigas de mais de 6 m de vão	21 dias
Lajes com vãos menores que 3 m	7 dias
Lajes com vãos entre 3 m e 6 m	14 dias
Lajes com vãos maiores que 6 m	21 dias
Paredes	1 dia
Pilares	3 dias
Formas laterais de vigas	1 dia
Marquises e Sacadas	21 dias
Escada	14 dias

REVISÃO:	DATA:	MOTIVO:

PROJETO ESTRUTURAL	Nº FOLHA	FOLHA Nº
	19	02

ASSUNTO:
Plantas de locação setor administrativo e caixa d'água

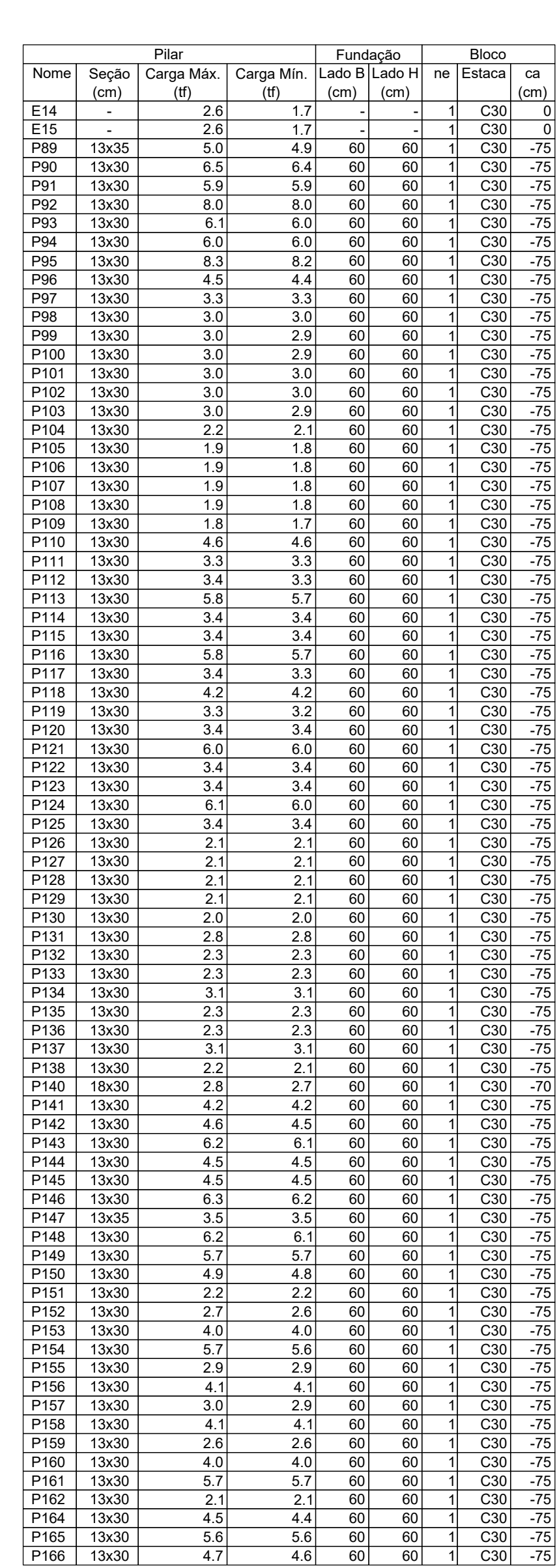
CENTRO MUNICIPAL DE EDUCAÇÃO INFANTIL PADRE ROSSI
LOCAL DA OBRA: RUA FRANCISCO VALLE, 170 – CENTRO – NOVA TRENTO / SC

FEVEREIRO DE 2022

Proprietário: PREFEITURA MUNICIPAL DE NOVA TRENTO	
ÁREAS	
TERRENO	4,068,90 m2
A CONSTRUIR	
PAV. TERREO	2132,20 m2
CAIXA D'ÁGUA	6,42 m2
GLP	2,04 m2
	2,141,46 m2

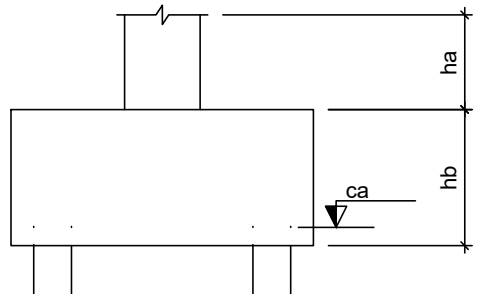
SITUAÇÃO ESQUEMÁTICA	RODRIGO HENRIQUE DELMASSO


Observações



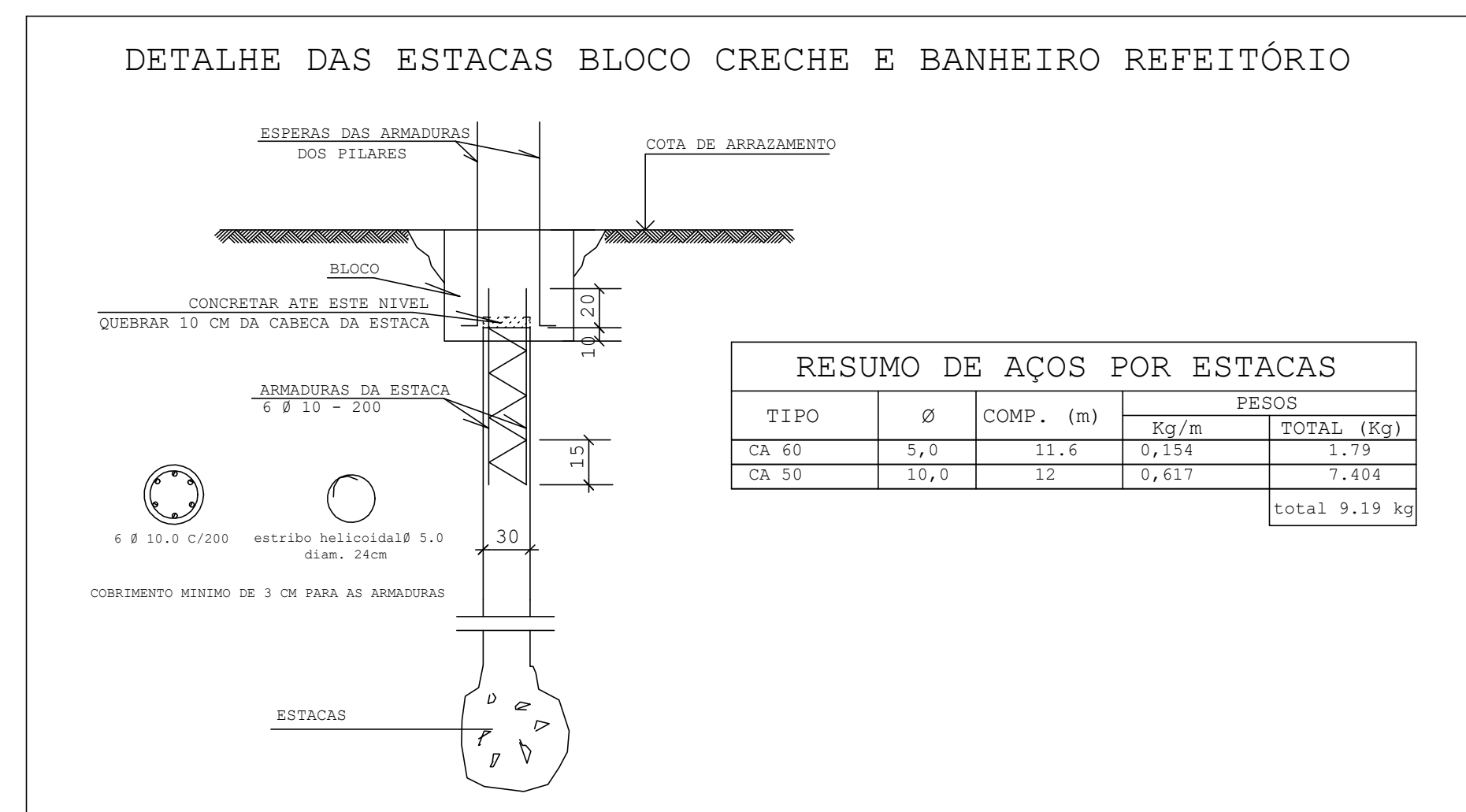
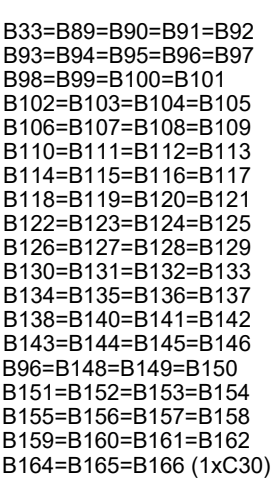
		Localização no eixo Y	
Localização no eixo X		Coordenadas (cm)	Nome
Coordenadas (cm)	Nome		
-847,09	P152, P155, P157, P159, P164	-205,65	P148
-838,59	P162	-213,15	P150
-838,10	P151	-212,15	P06, P149
-837,08	P148	-211,65	P151
-829,59	E14, E15	-742,15	P153
-837,60	P149, P165	-759,65	P152
-852,09	P153, P180	-759,15	P154, E14, P156
-452,09	P150, P154, P156, P158	-990,65	P157, E15, P158
-212,10	P161, P166	-1537,15	P159
		-1537,65	P161

Localização no eixo X		Localização no eixo Y		
Coordenadas	Nome	Coordenadas	Nome	
-4567.10	P33	P90, P91, P92, P93, P94, P95, P96	-213.65	P69
-4564.61	P331, P110	-216.15	P69	
-4564.59	P97, P98	-59.17	P97, P98, P99, P100, P101, P102, P103, P104	
-4564.15	P105, P106, P107, P108, P109	-547.15	P105, P106, P107, P108, P109	
-3668.60	P111	-690.15	P110, P111, P112, P113, P114, P115, P116, P117	
-3668.59	P111, P126	-1300.15	P118, P119, P120, P121, P122, P123, P124, P125	
-3680.10	P68	-1440.15	P126, P127, P128, P129, P130	
-3680.09	P68	-1162.28	P131	
-3680.09	P68	-1706.85	P132, P133, P134, P135, P136, P137, P138	
-3670.59	P132, P141	-1948.88	P33	
-3715.60	P90	-2079.40	P140, P141, P142, P143, P144, P145, P146	
-3715.60	P90			
-3715.59	P90			
-3715.60	P103, P142			
-3707.09	P112			
-3707.10	P120, P127			
-3138.60	P113			
-3130.10	P90, P100			
-3130.09	P121, P134, P143			
-2554.10	P114, P122			
-2554.10	P128			
-2546.59	P33, P143, P107			
-2546.60	P135, P144			
-2282.59	P102			
-2282.58	P04, P108			
-2281.09	P136, P145			
-2274.09	P123			
-2274.08	P115			
-2272.59	P103			
-1697.09	P50, P103			
-1697.10	P124, P137, P146			
-1688.59	P116			
-1121.10	P117			
-1121.09	P117			
-1120.09	P96			
-1111.09	P96			
-1111.09	P104			
-1111.59	P136, P147			



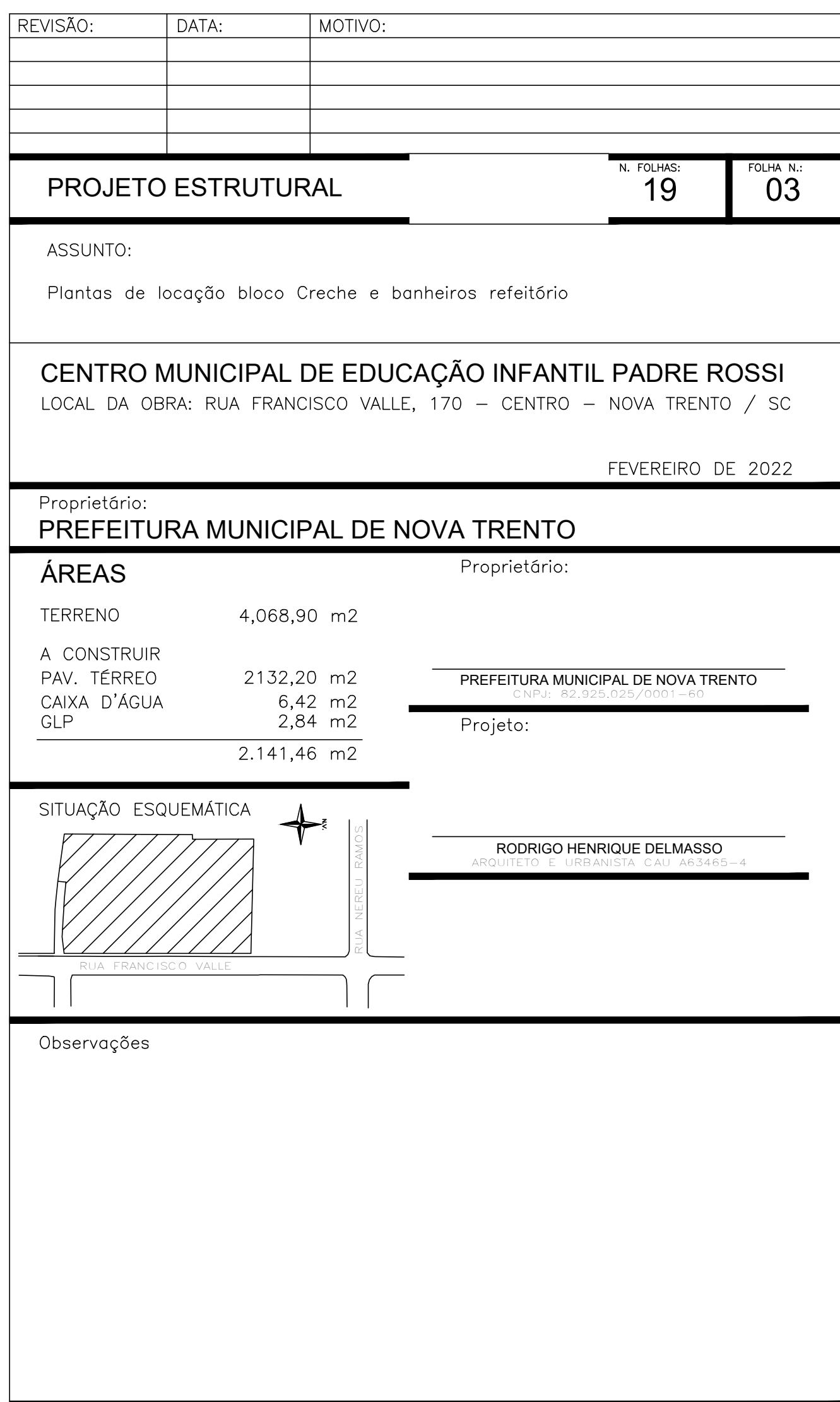
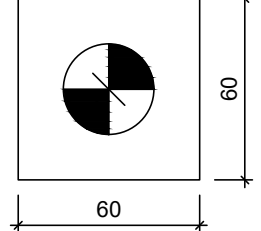
Estacas			
Simbologia	Nome	d (cm)	Quantidade
	C30	30,00	79

PROFUNDIDADE DAS ESTACAS	
	Perfuração (m)
Pilares com carga máxima de até 3 tf	4,00 metros
Pilares com carga de 3tf até 7 tf	7,00 metros
Pilares com carga acima de 7 tf	10,00 metros



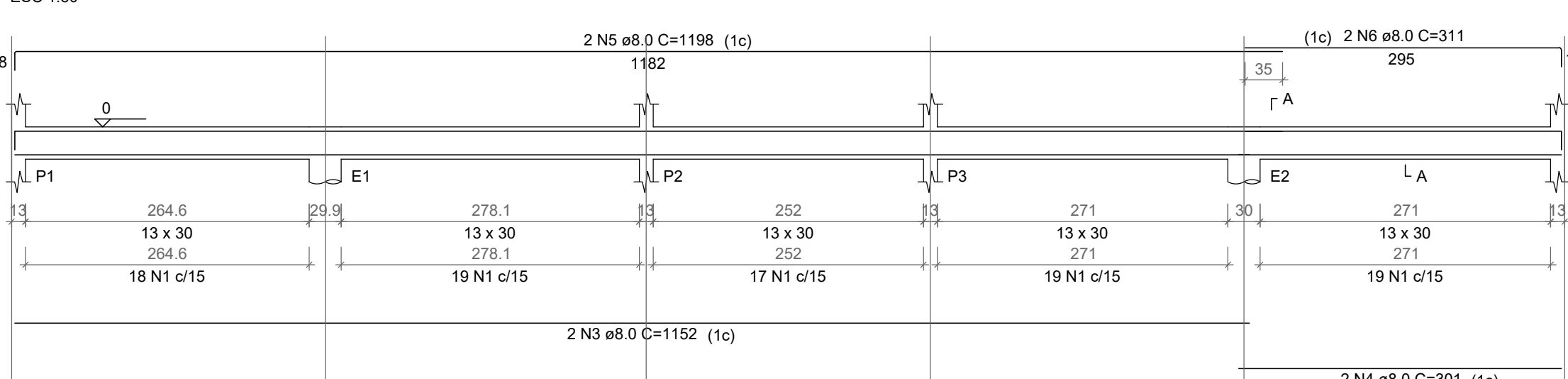
Localçoño no eixo X		Localçoño no eixo Y	
Coordenadas	Nome	Coordenadas	Nome
(m)		(m)	
-4289.88	P179	-2305.65	P168, P170, P171, P172, P173, P174, P175
-4289.87	P167	-2306.15	P167
-4053.37	P176	-2306.65	P169
-4018.17	P180	-2320.77	P176, P177
-3930.72	P178	-2761.37	P178
-3934.37	P181	-2897.38	P179, P182
-3802.88	P188	-2905.87	P180, P181
-3800.37	P177		
-3569.88	P189		
-3569.87	P162		
-3215.98	P170		
-2715.98	P171		
-2215.98	P172		
-1715.98	P173		
-1215.98	P174		
-839.59	P175		

PROFUNDIDADE DAS ESTACAS	
	Perfuração (m)
Pilares com carga máxima de até 3 tf	4,00 metros
Pilares com carga de 3tf até 7 tf	7,00 metros



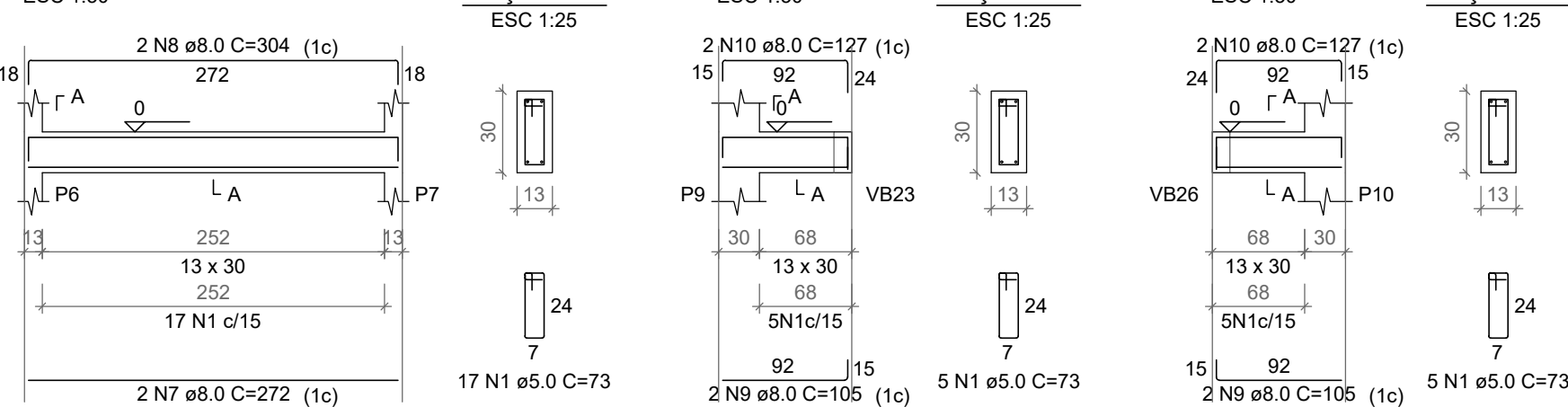
VB1

ESC 1:50



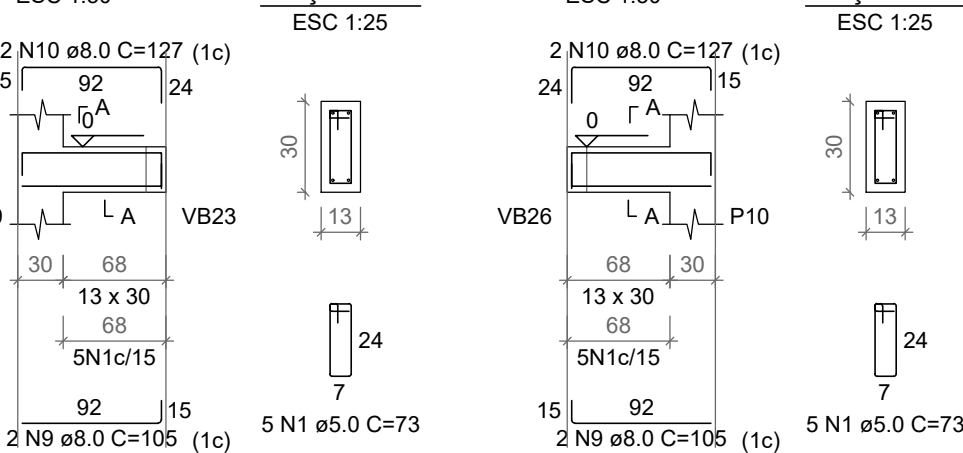
VB2

ESC 1:50



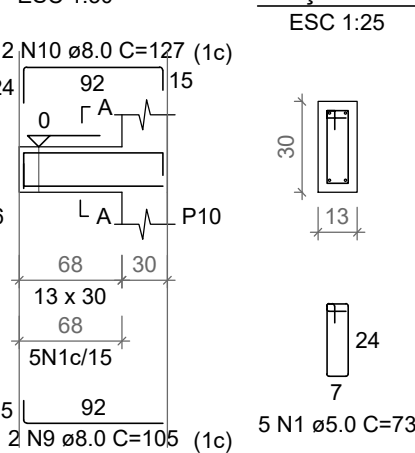
VB3

ESC 1:50



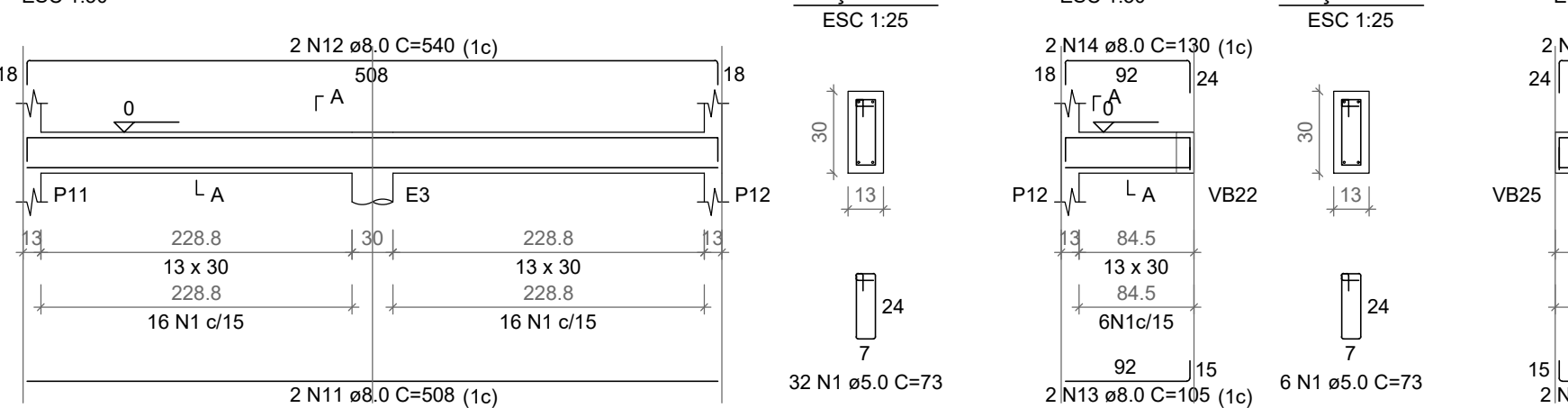
VB4

ESC 1:50



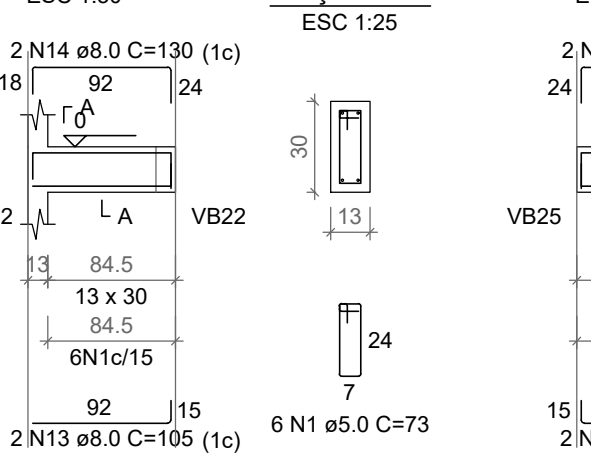
VB5

ESC 1:50



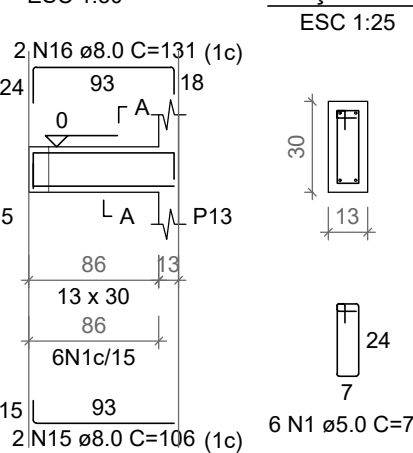
VB6

ESC 1:50



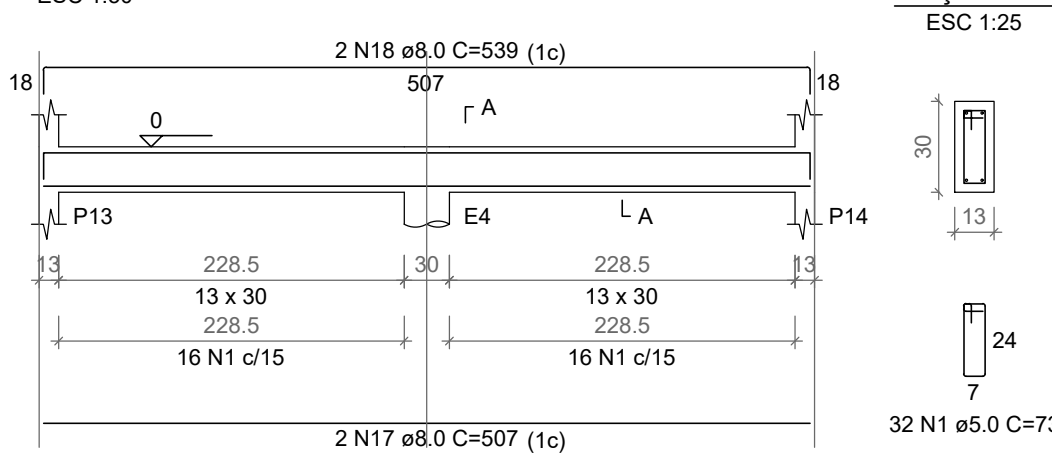
VB7

ESC 1:50



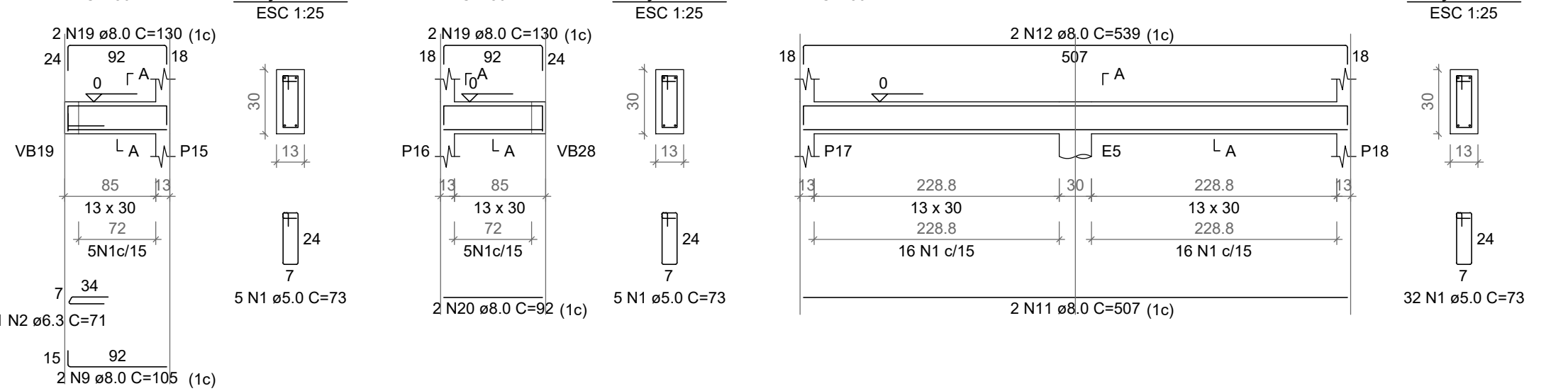
VB8

ESC 1:50



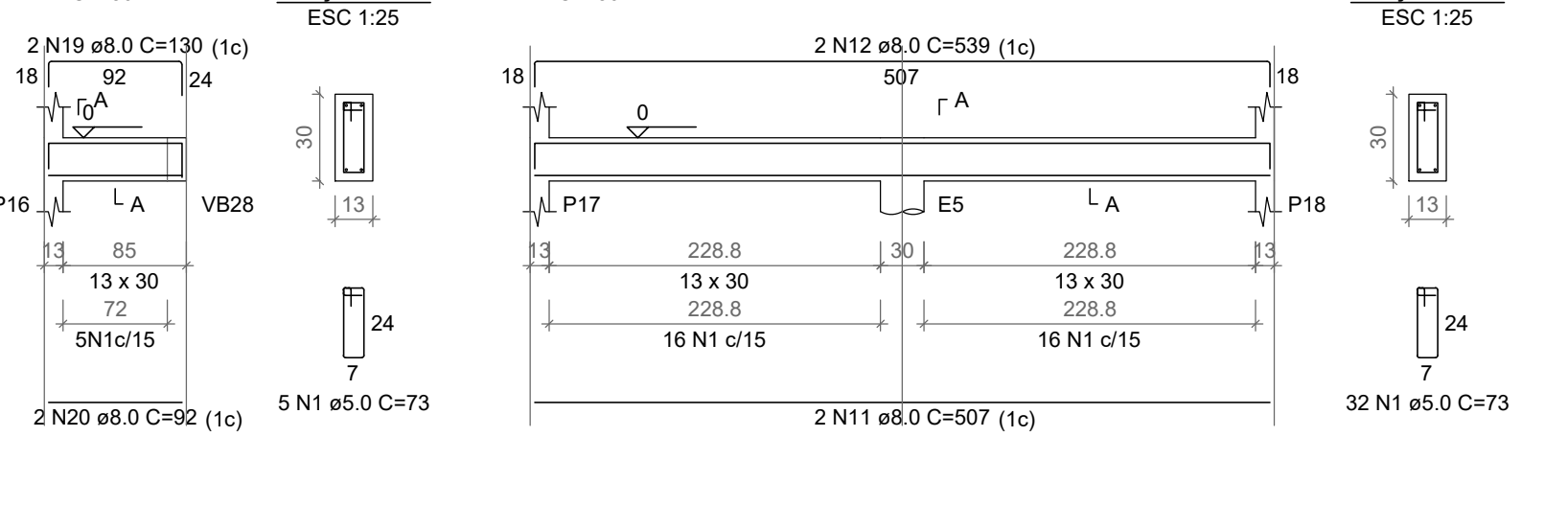
VB9

ESC 1:50



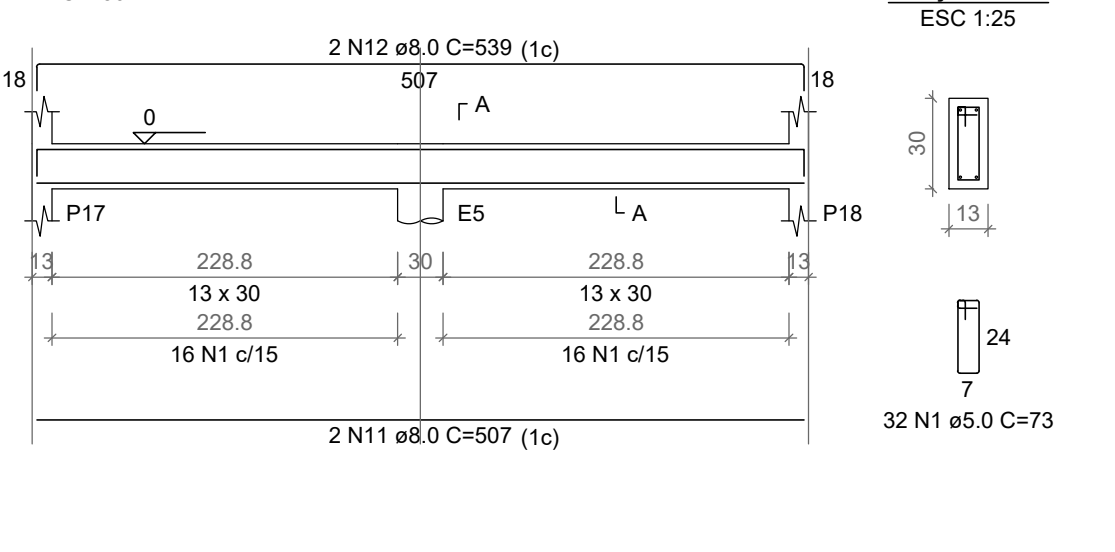
VB10

ESC 1:50



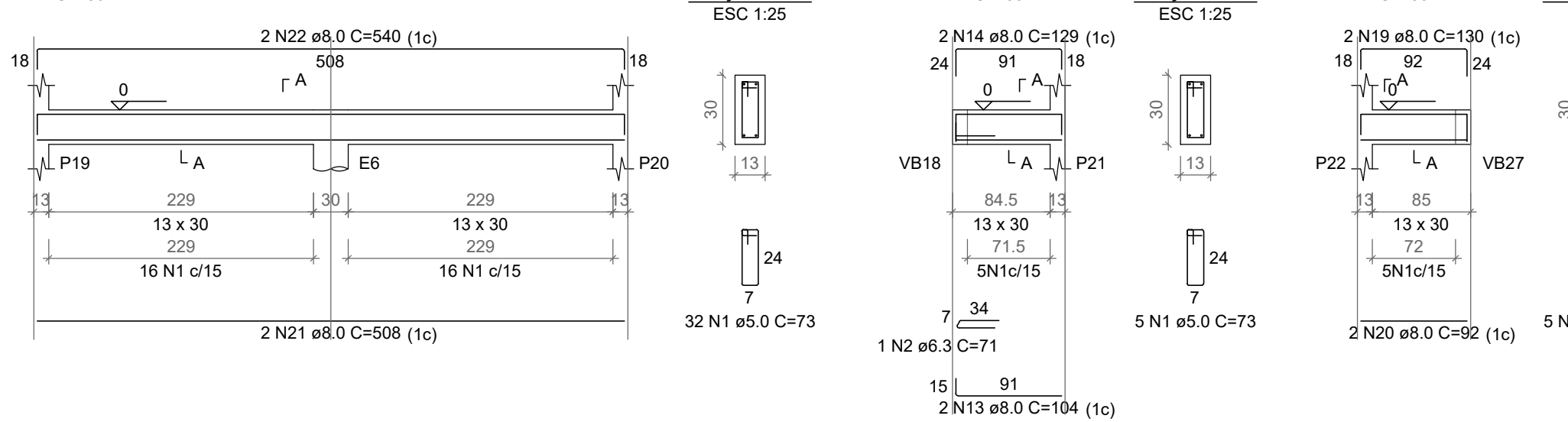
VB11

ESC 1:50



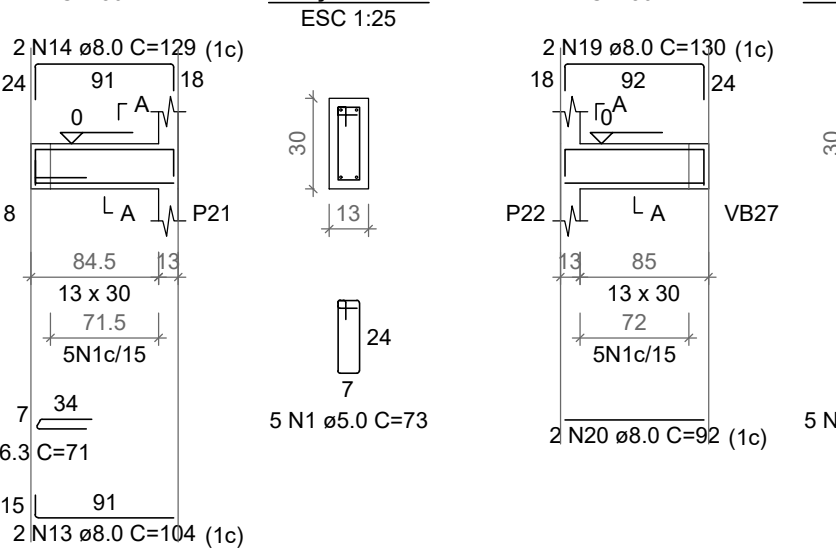
VB12

ESC 1:50



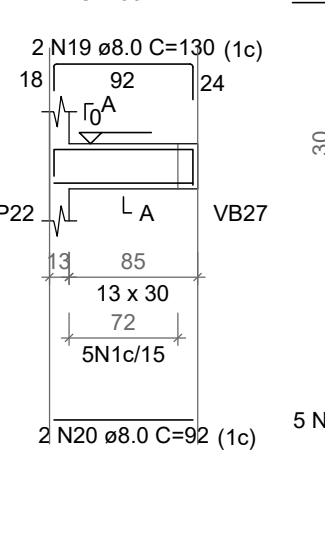
VB13

ESC 1:50



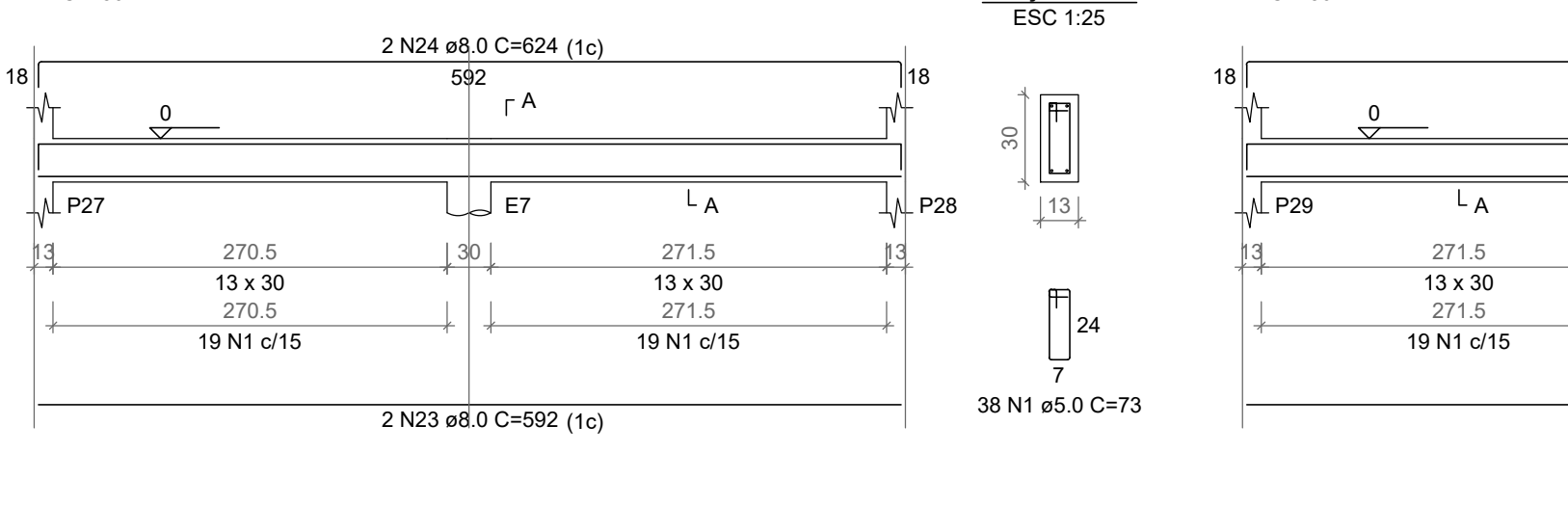
VB14

ESC 1:50



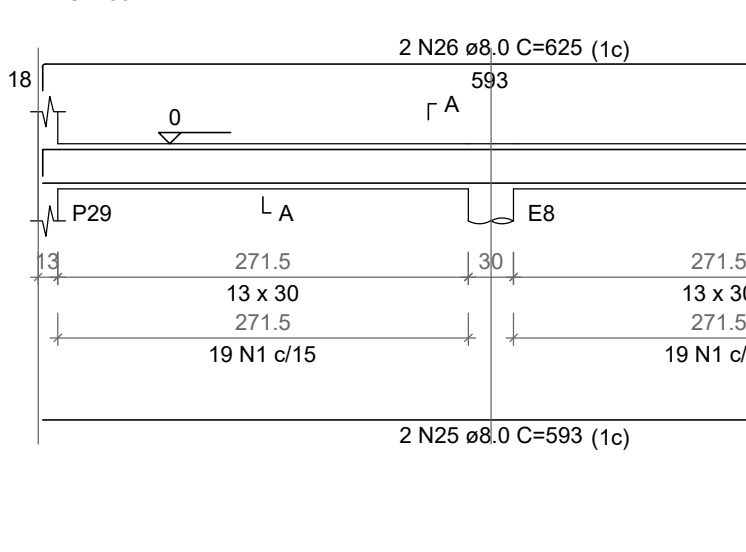
VB15

ESC 1:50



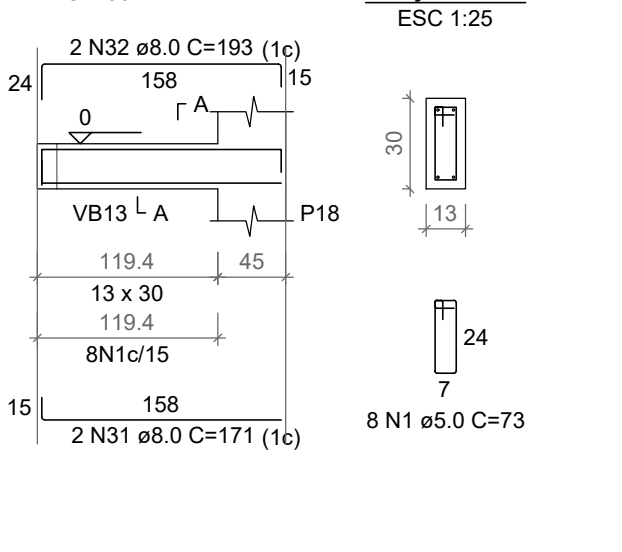
VB16

ESC 1:50



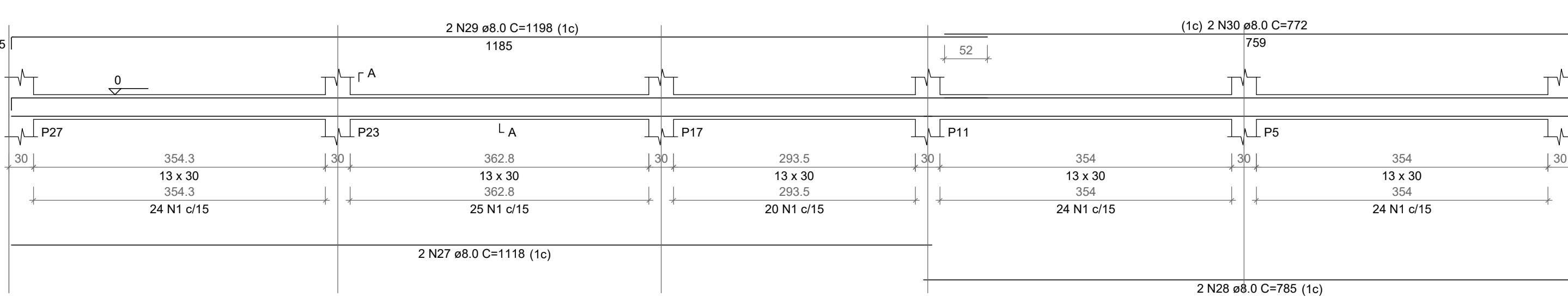
VB18

ESC 1:50



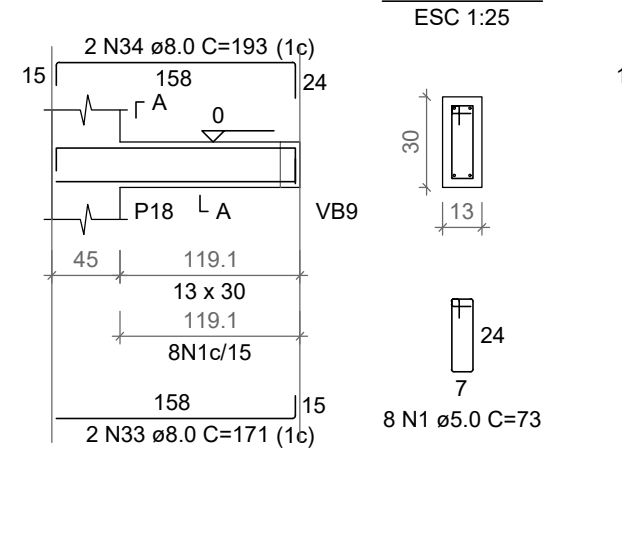
VB17

ESC 1:50



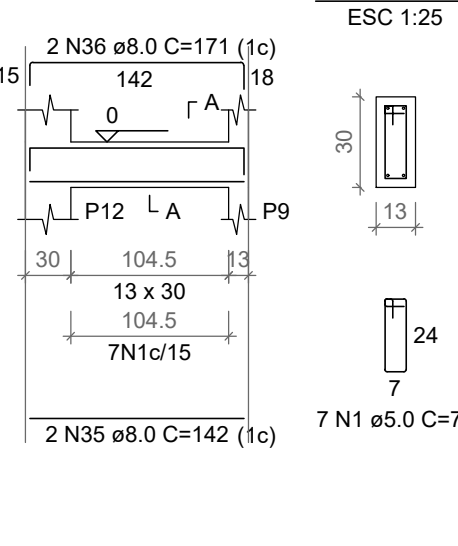
VB19

ESC 1:50



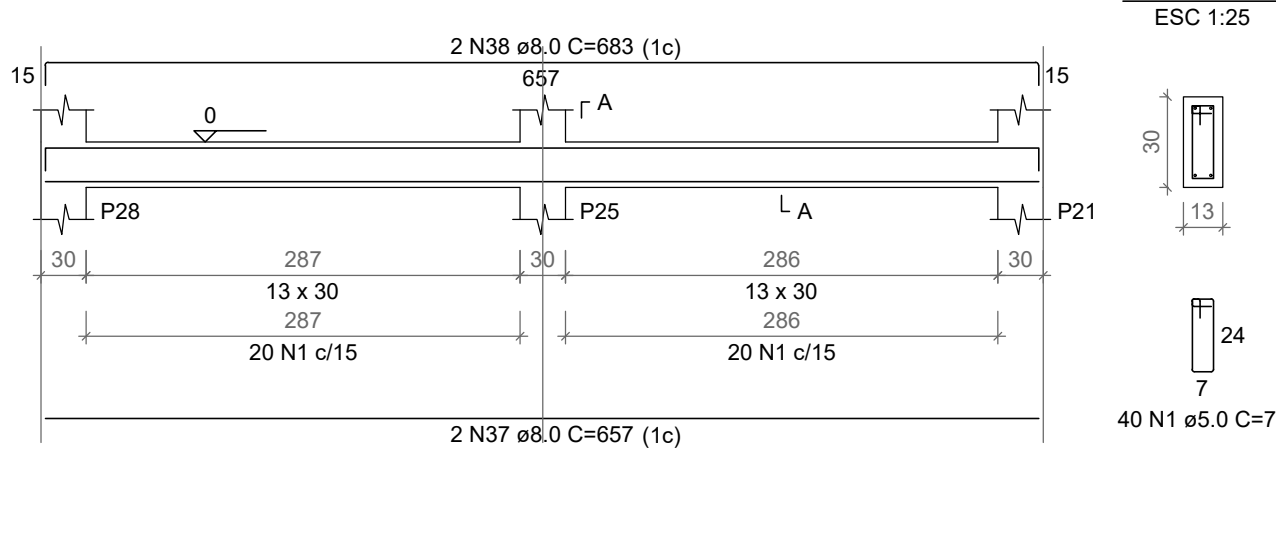
VB20

ESC 1:50



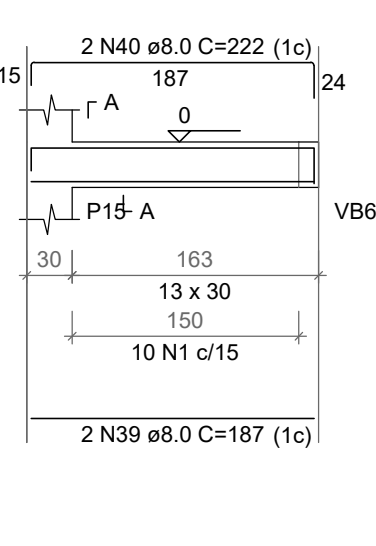
VB21

ESC 1:50



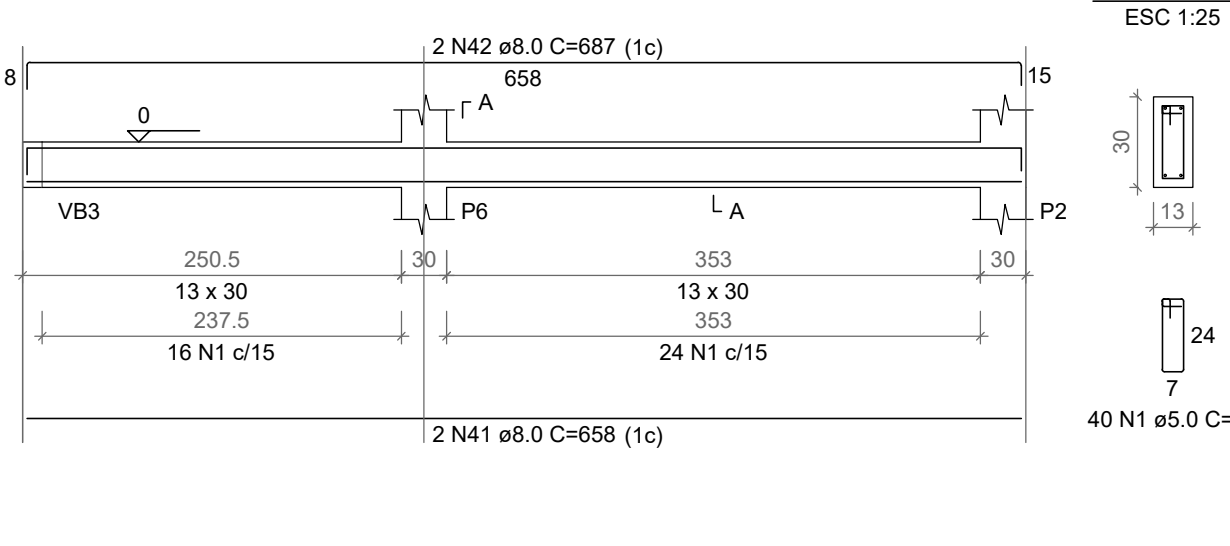
VB22

ESC 1:50



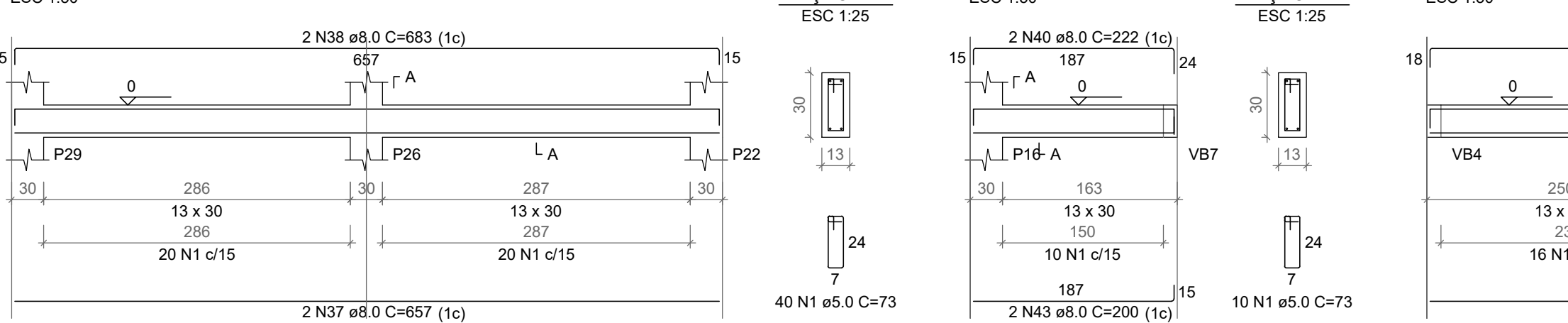
VB23

ESC 1:50



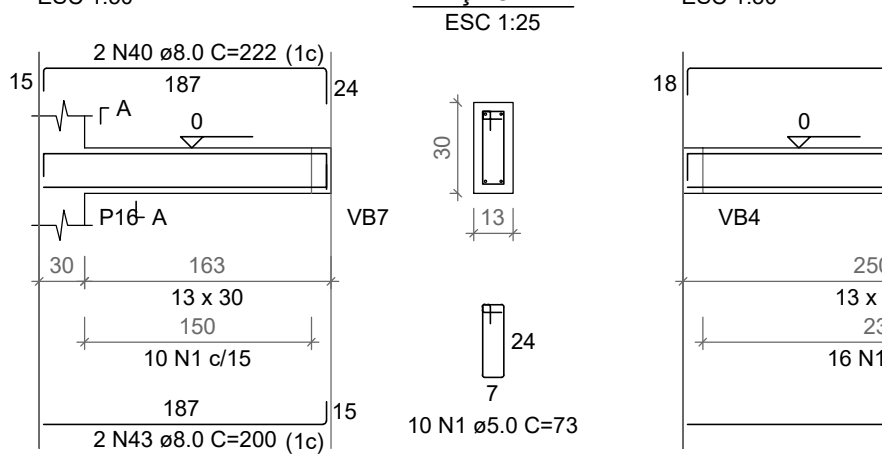
VB24

ESC 1:50



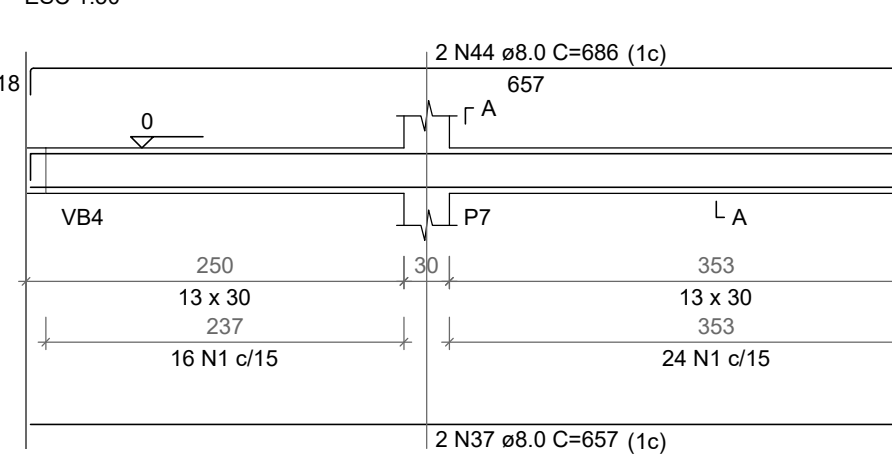
VB25

ESC 1:50



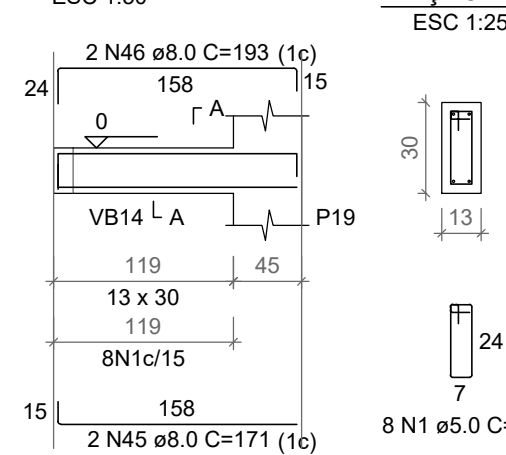
VB26

ESC 1:50



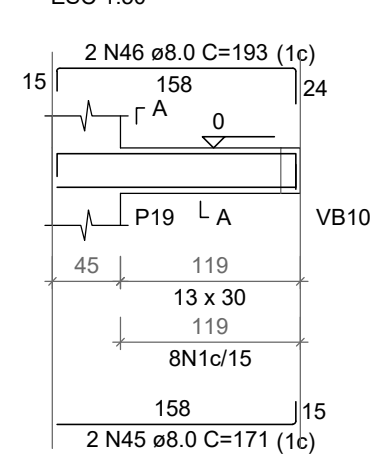
VB27

ESC 1:50



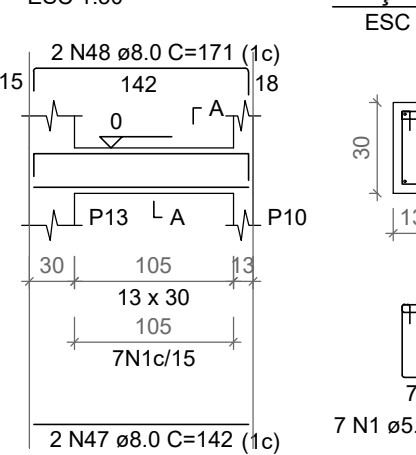
VB28

ESC 1:50



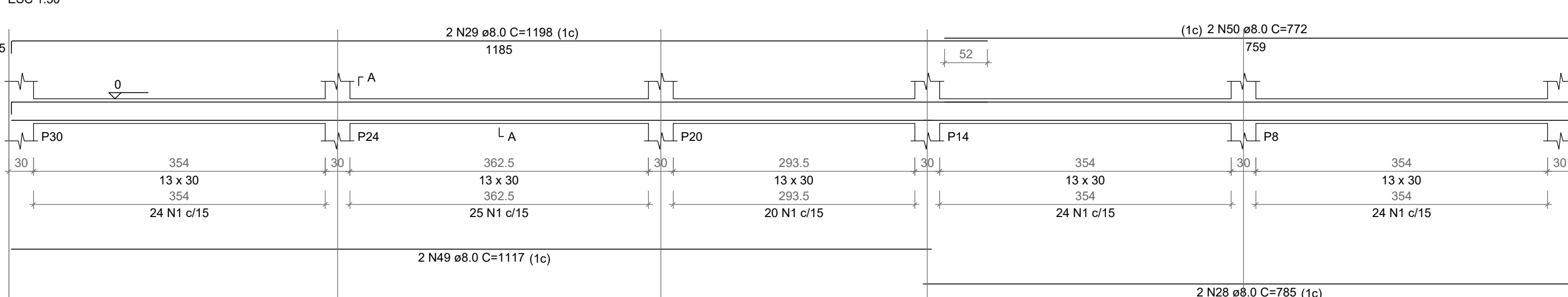
VB29

ESC 1:50



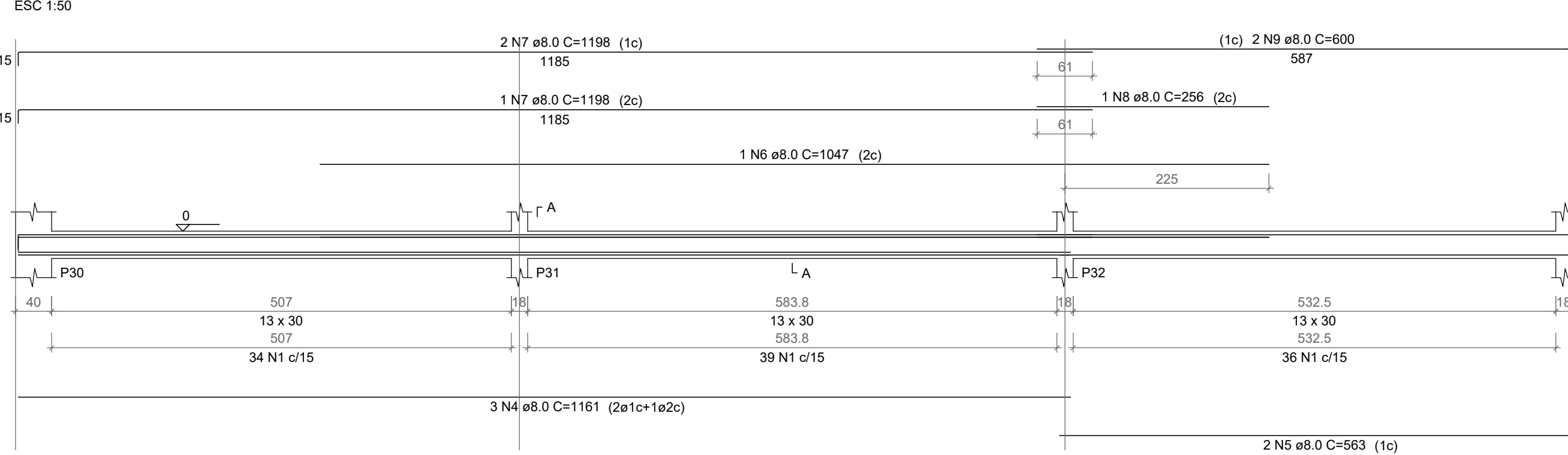
VB30

ESC 1:50



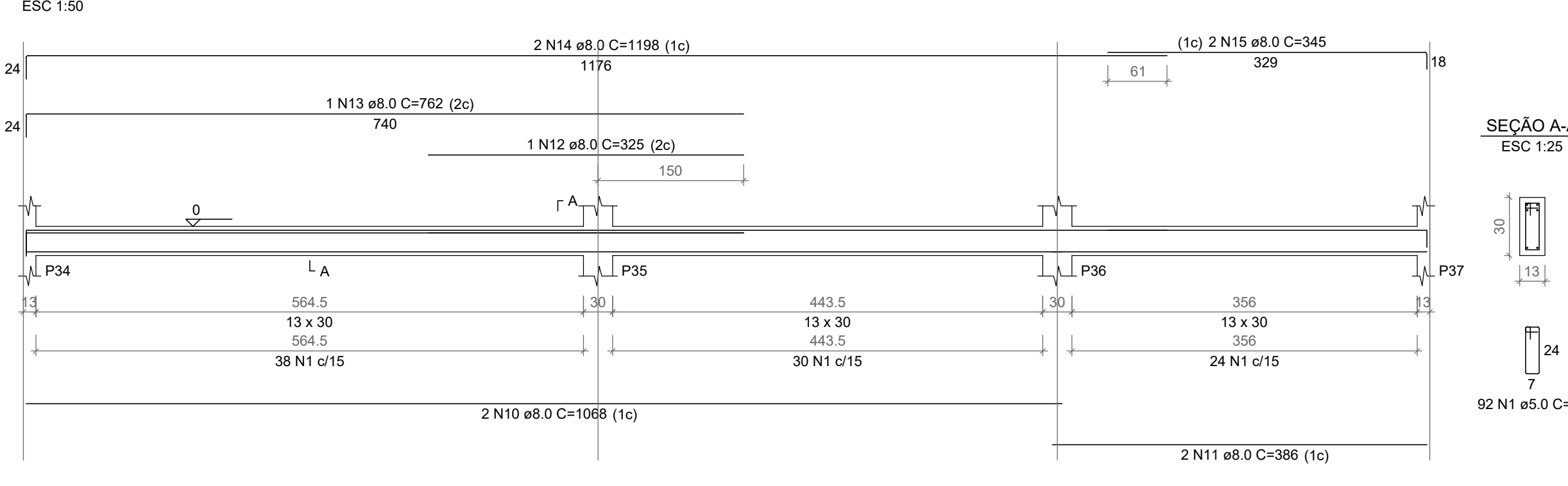
VB31

ESC 1:50



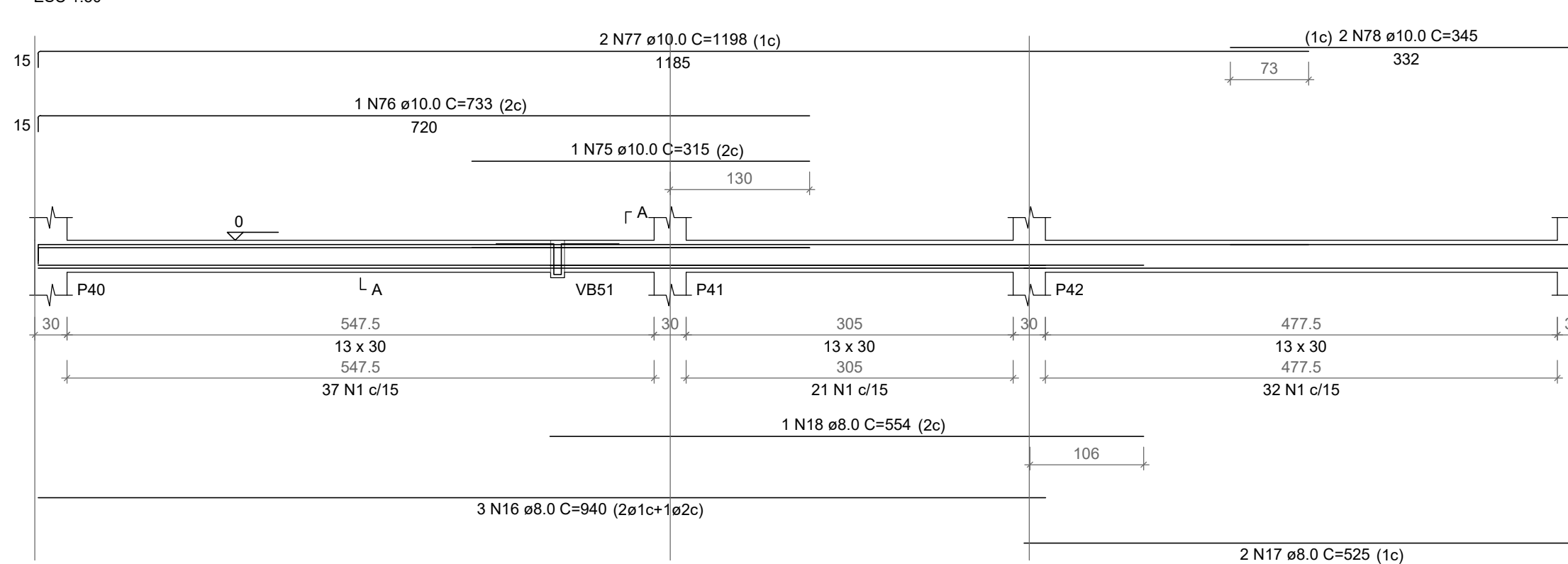
VB32

ESC 1:50



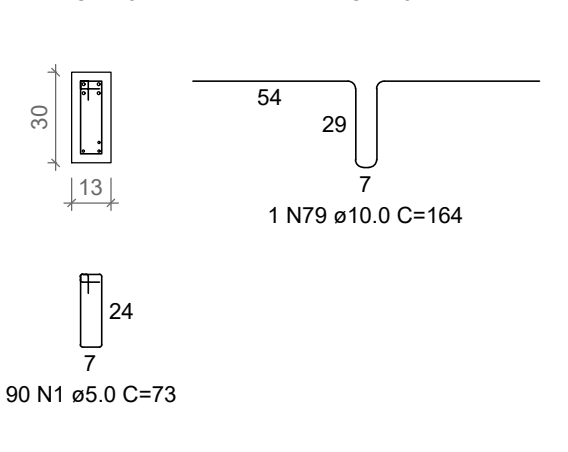
VB33

ESC 1:50



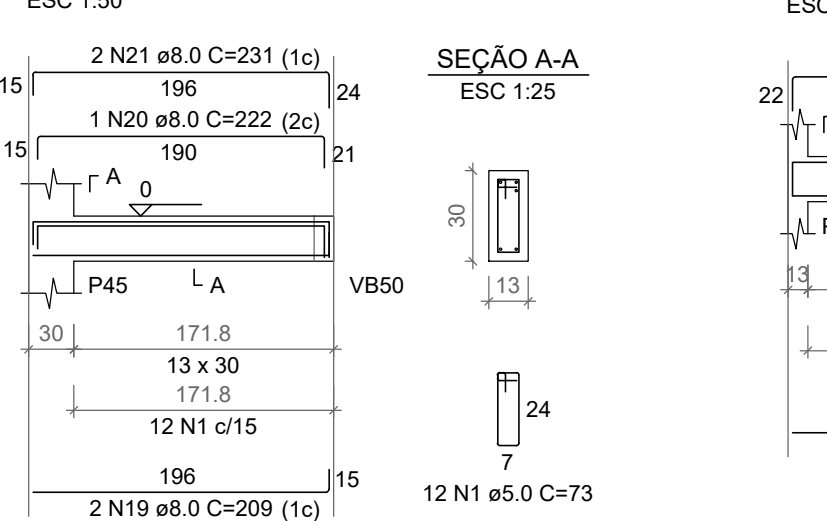
VB34

ESC 1:50



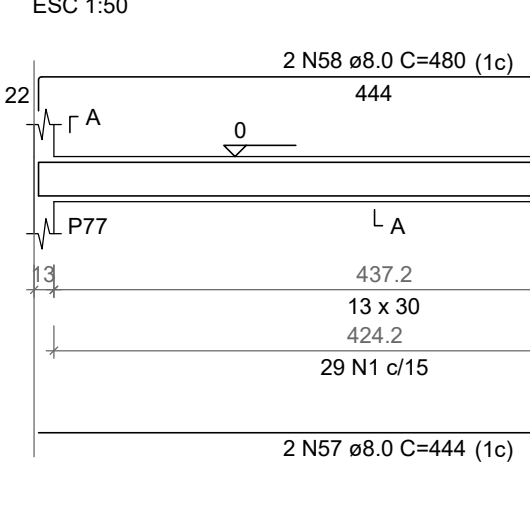
VB35

ESC 1:50



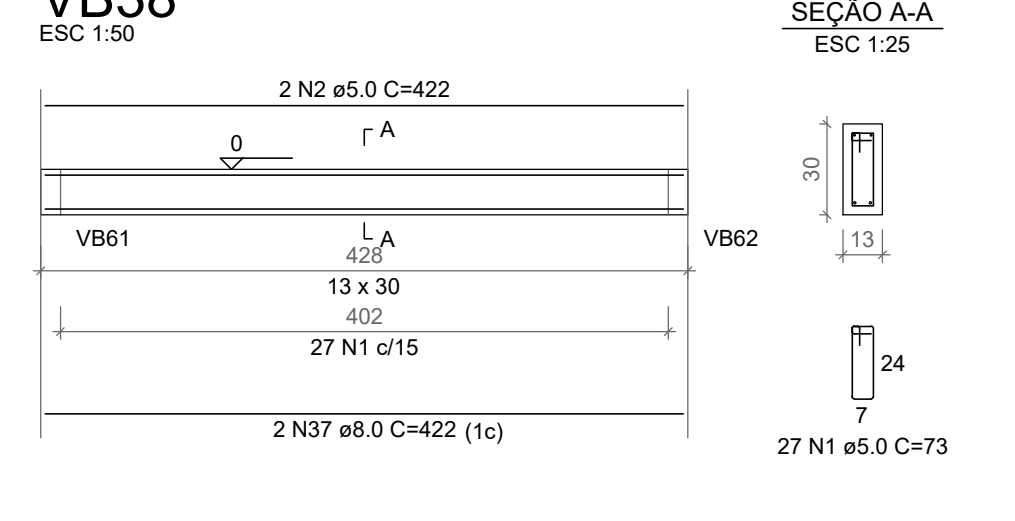
VB36

ESC 1:50



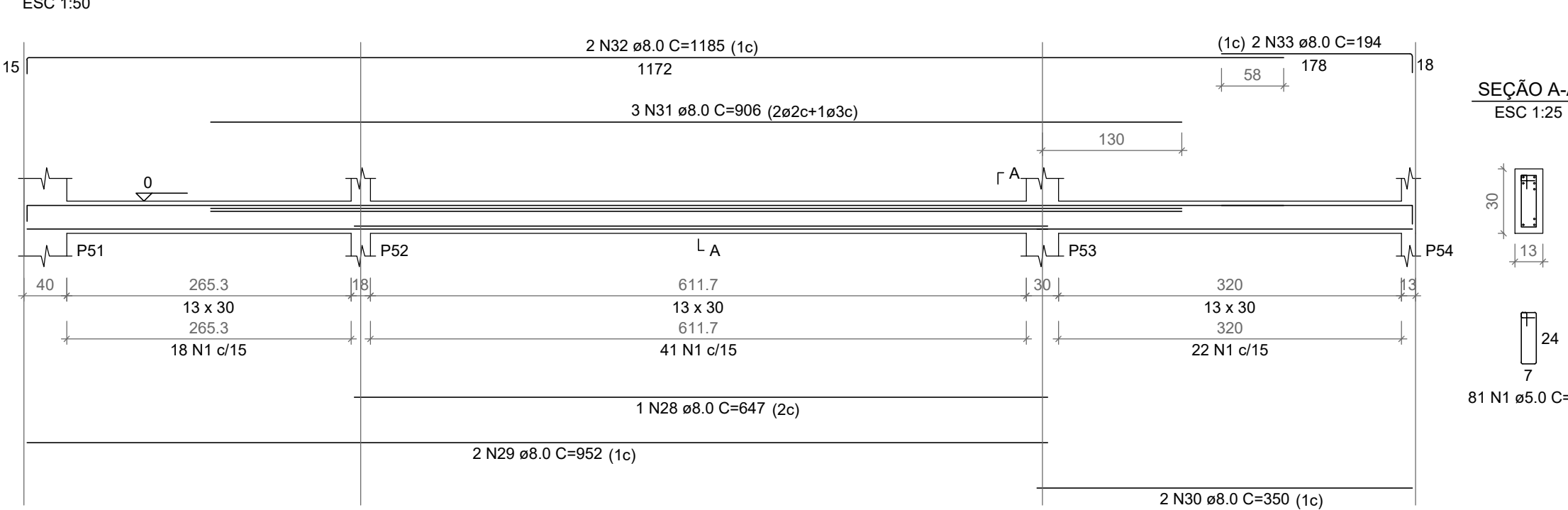
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ESC 1:50



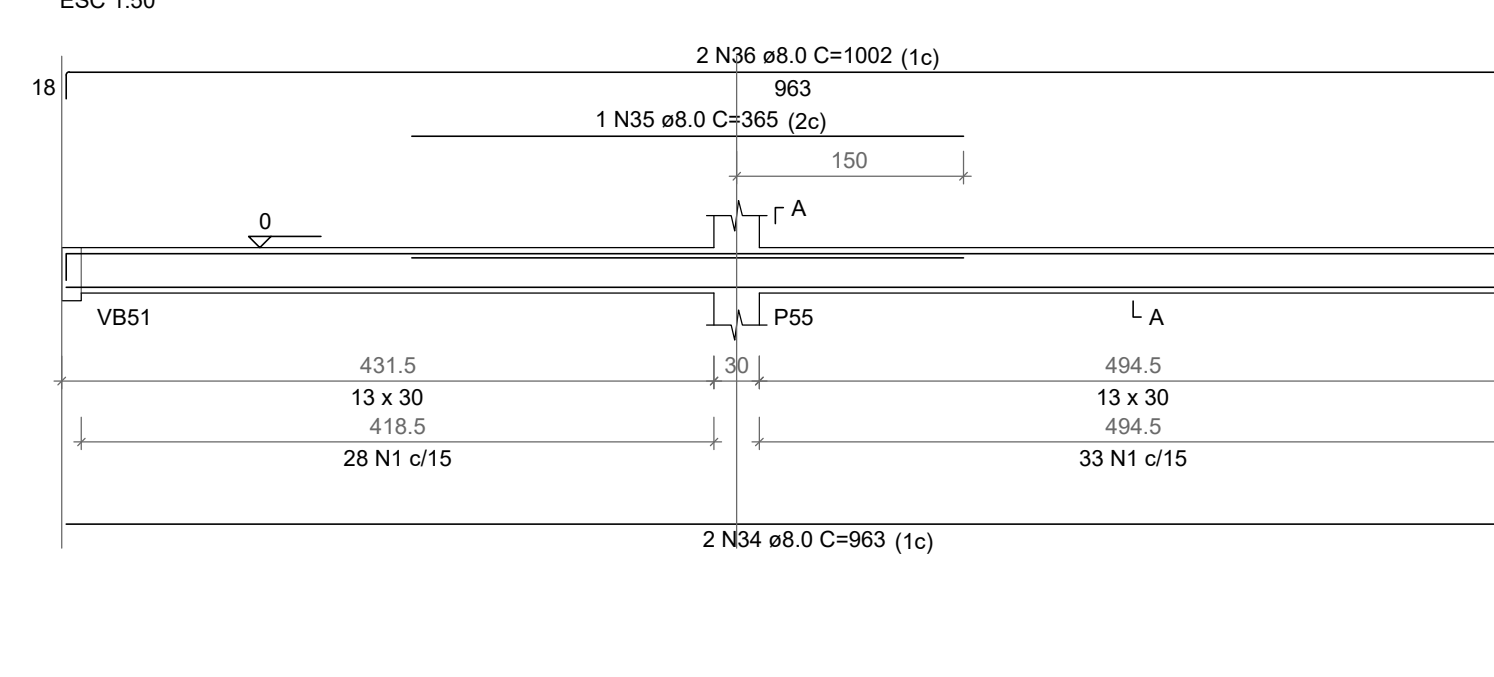
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ESC 1:50



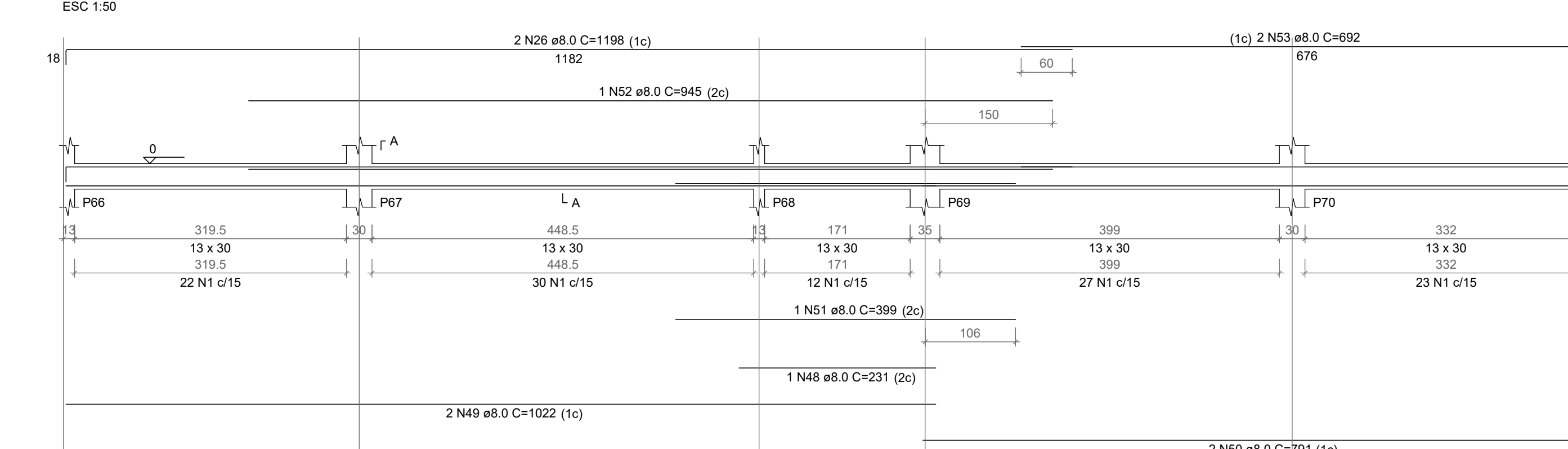
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ESC 1:50



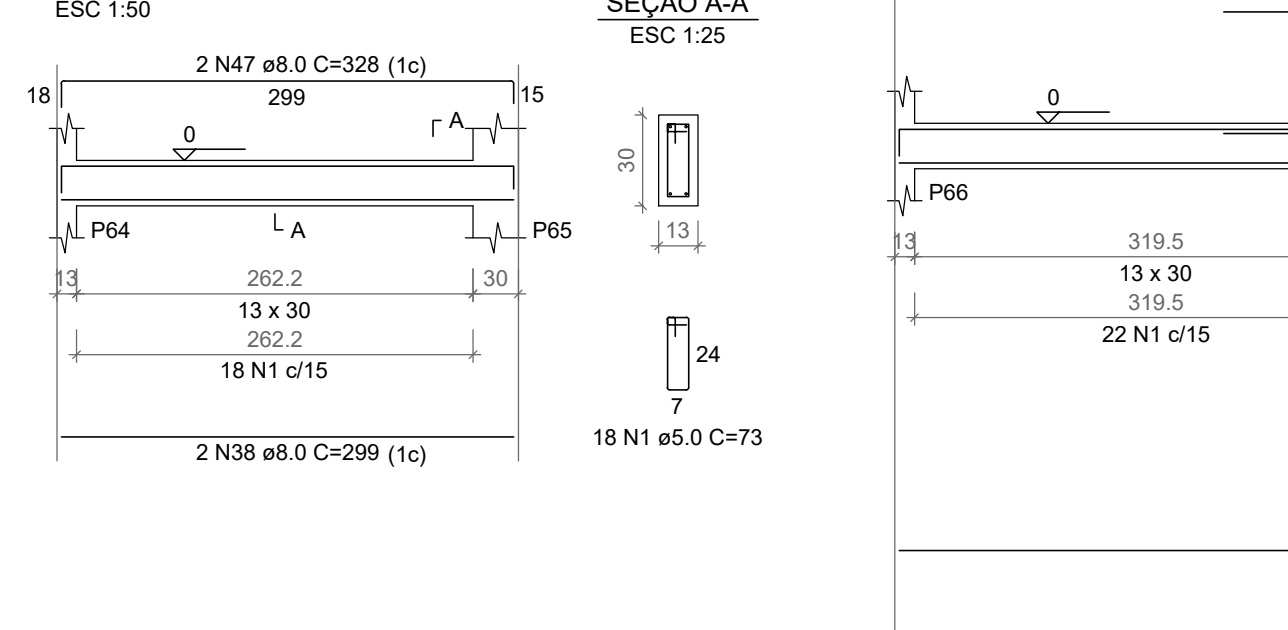
VB43

ESC 1:50



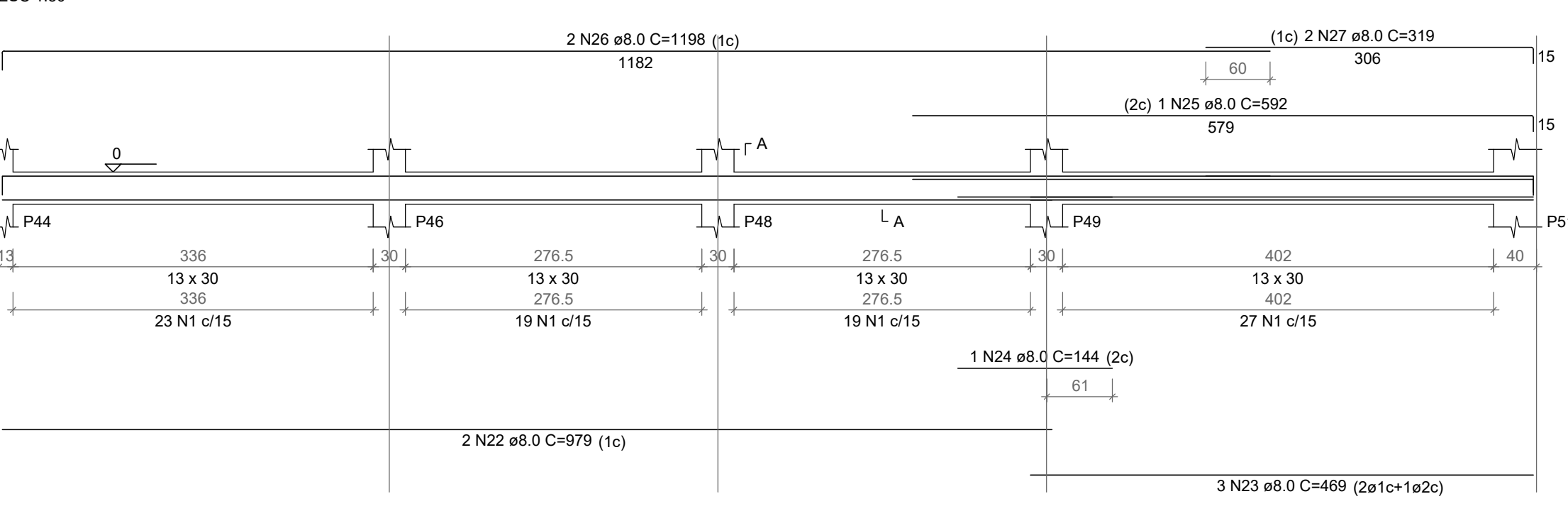
VB42

ESC 1:50



VB35

ESC 1:50

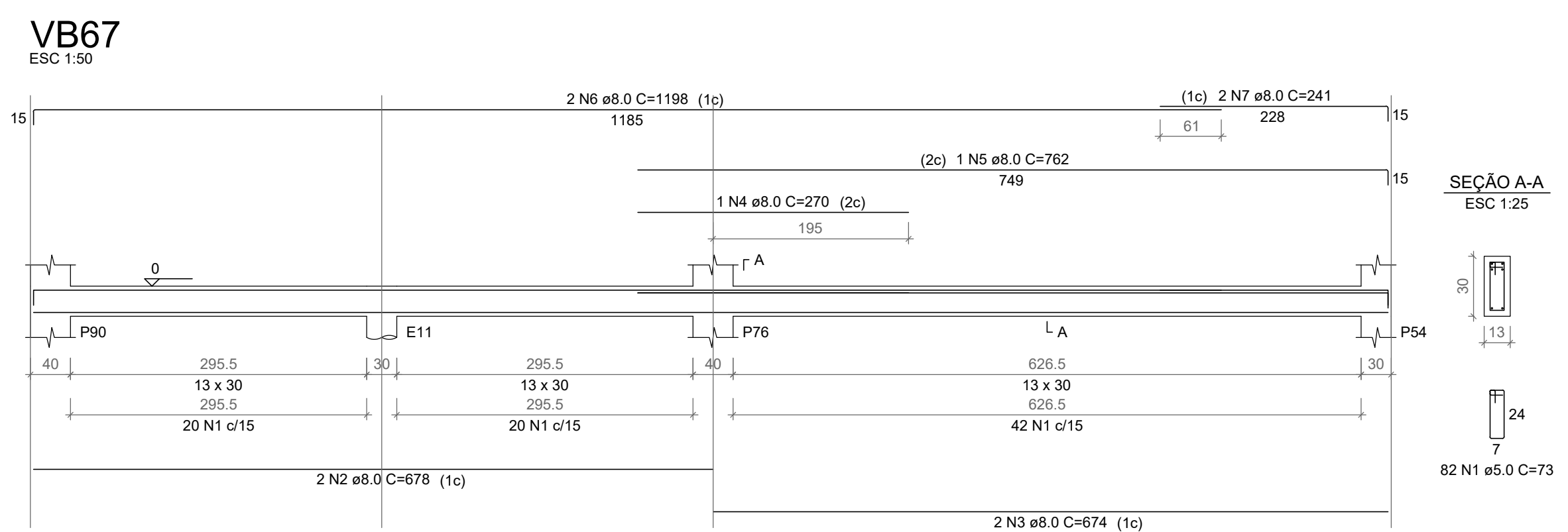
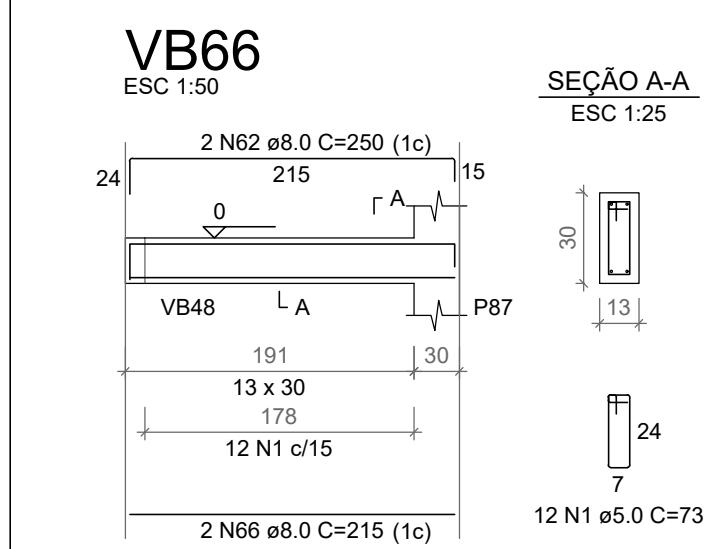
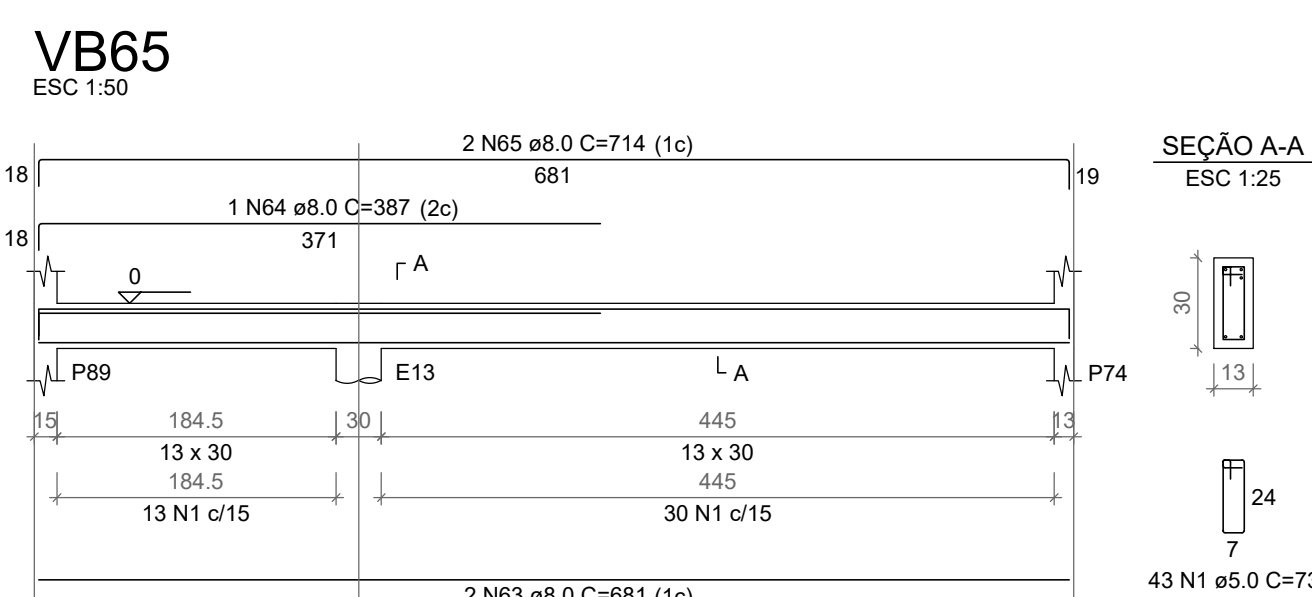
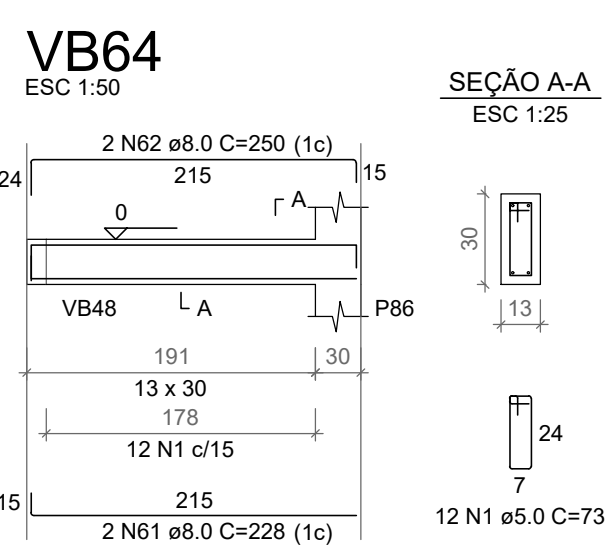
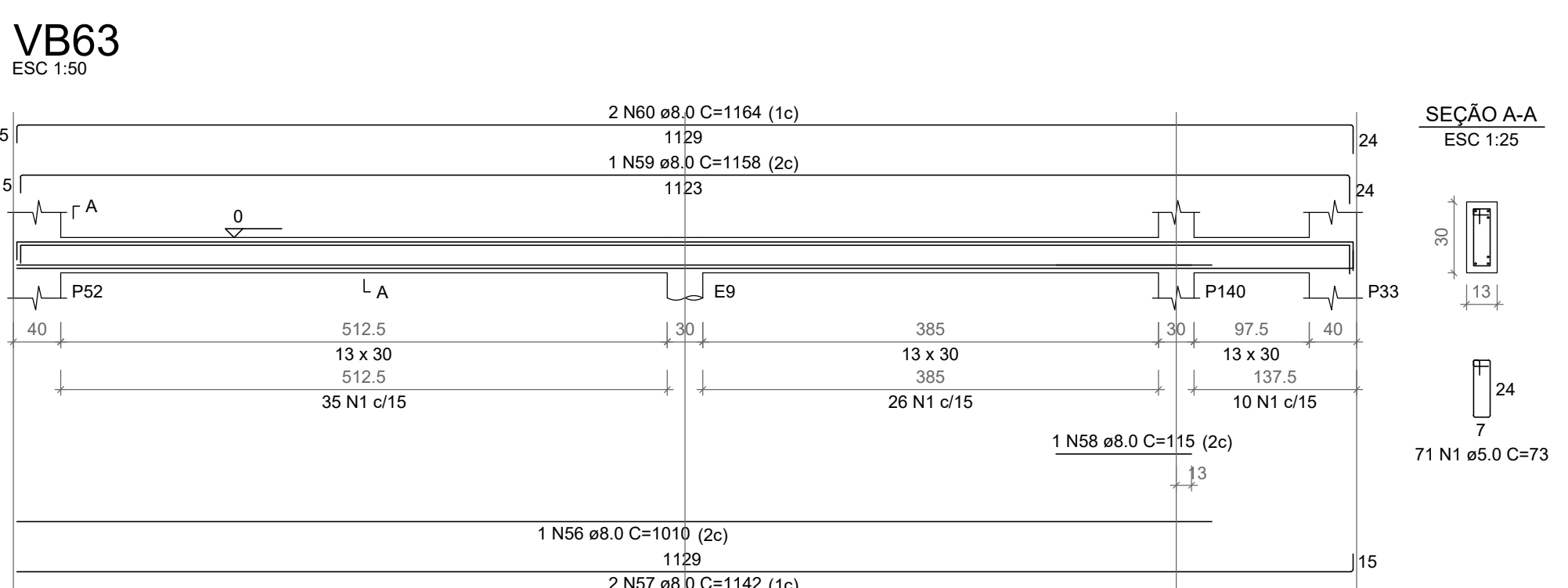
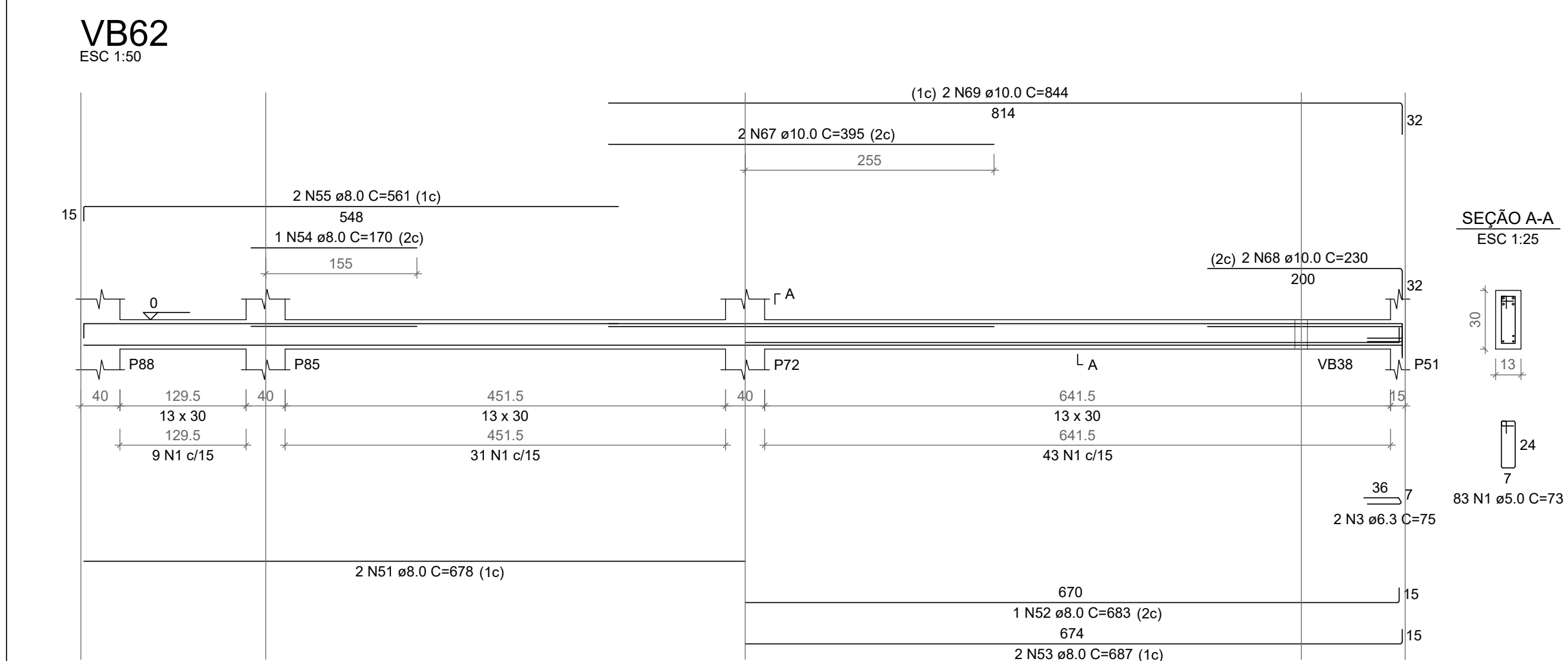
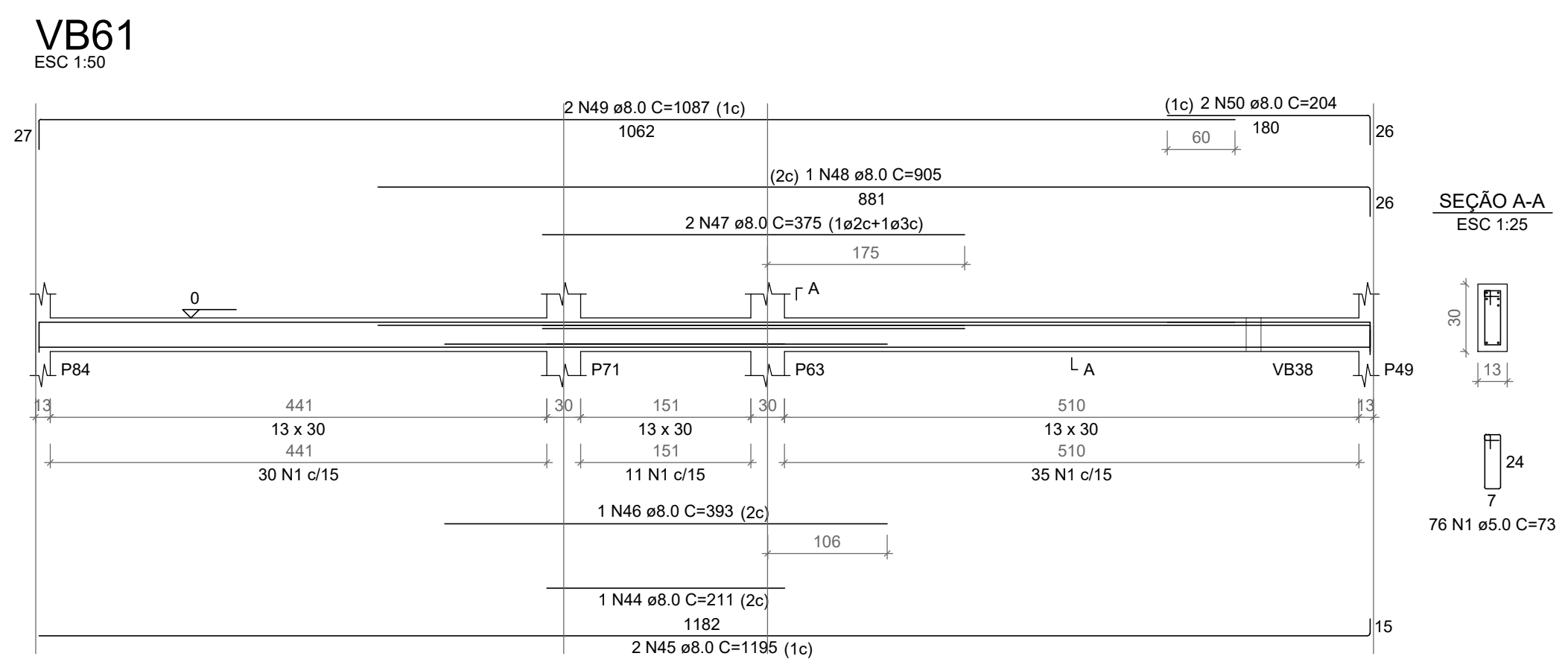
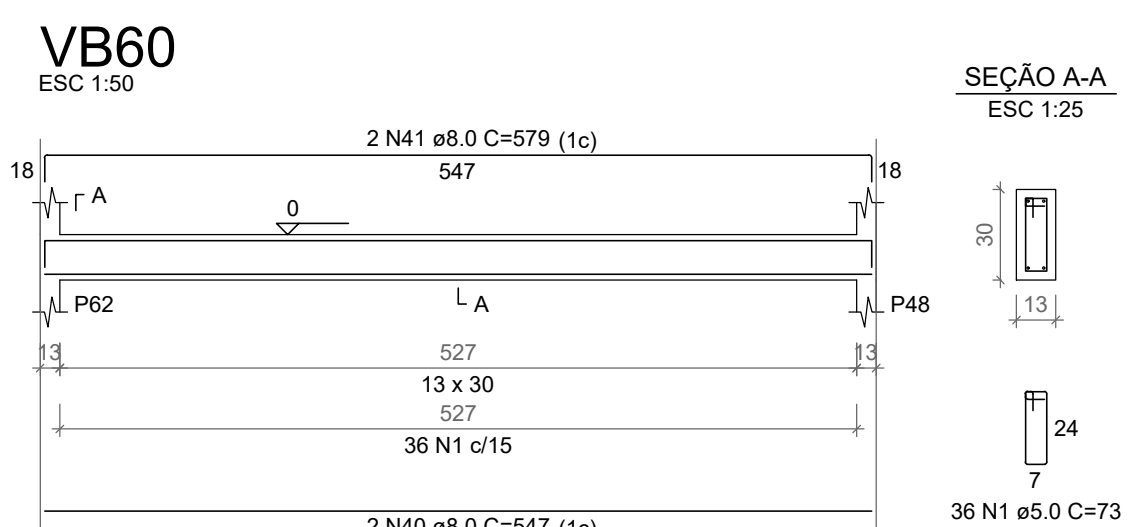
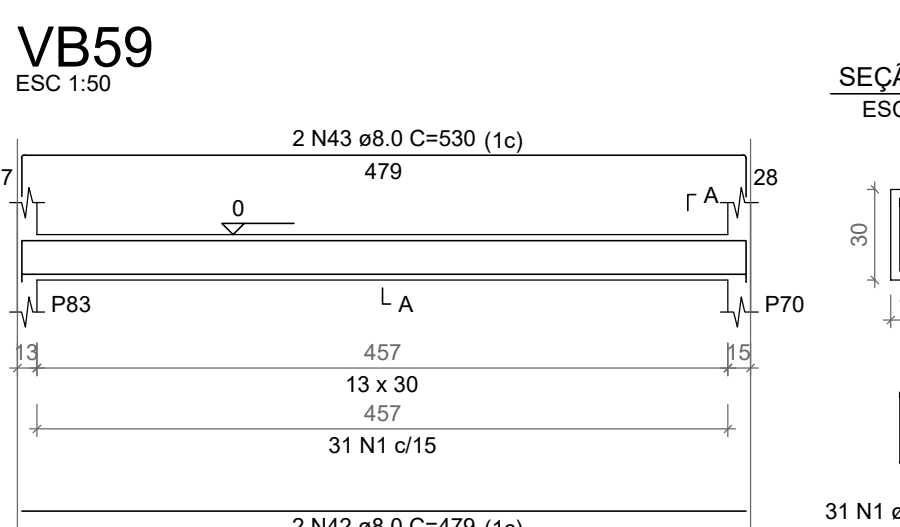
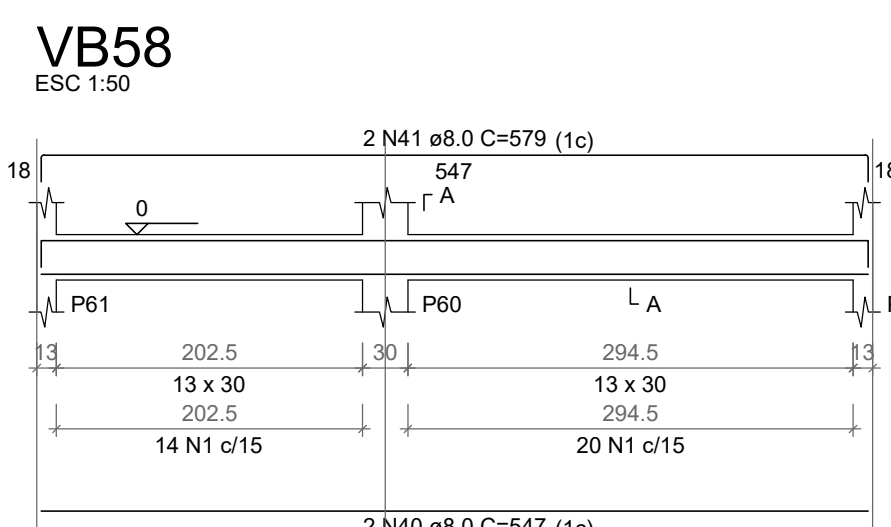
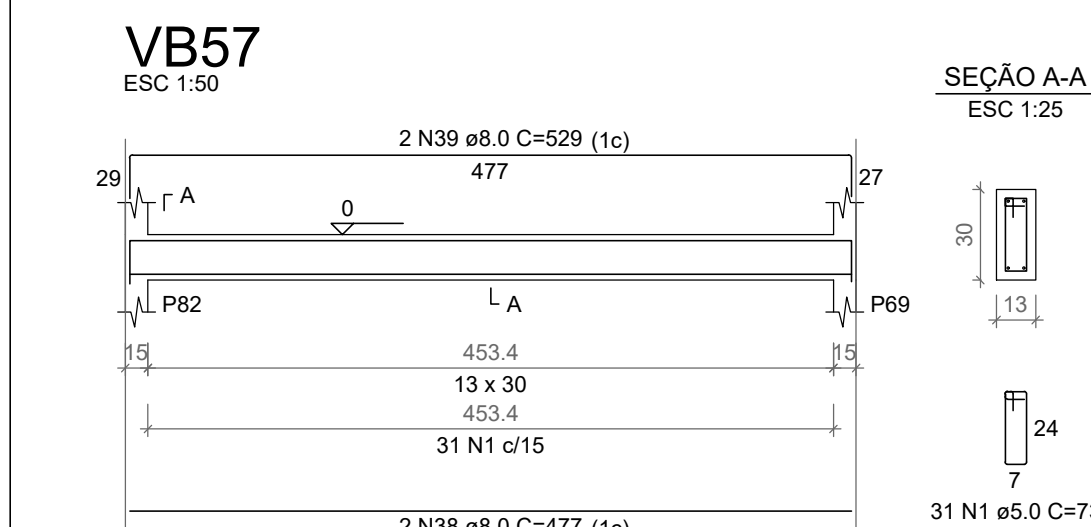
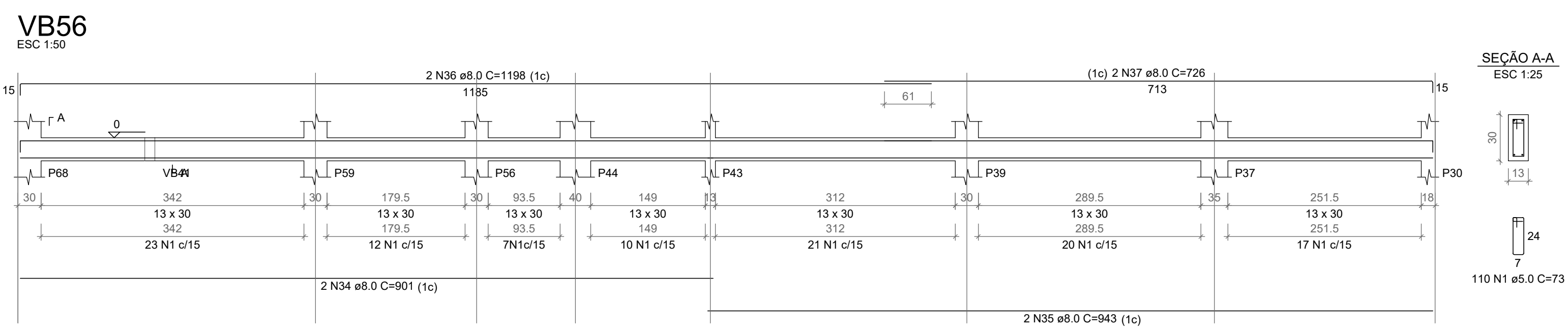
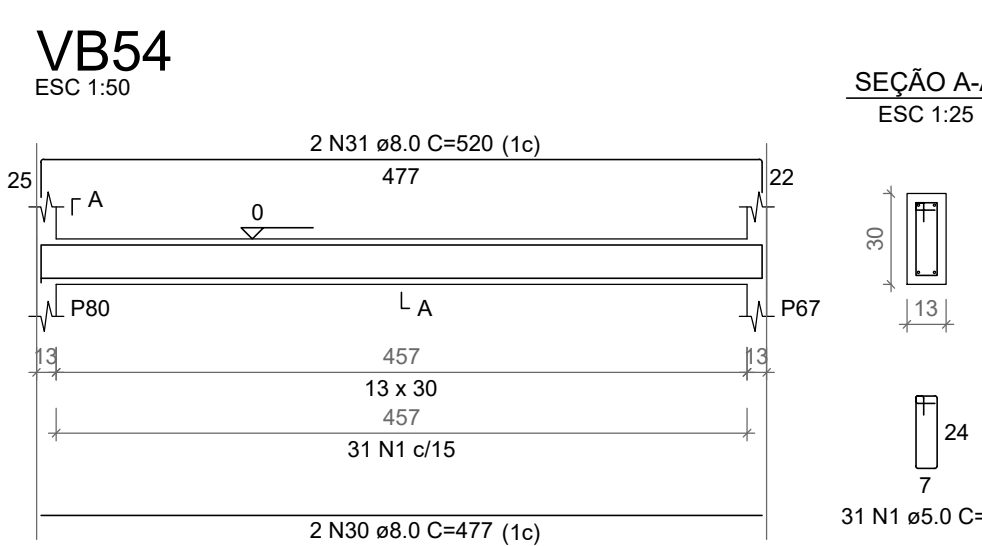
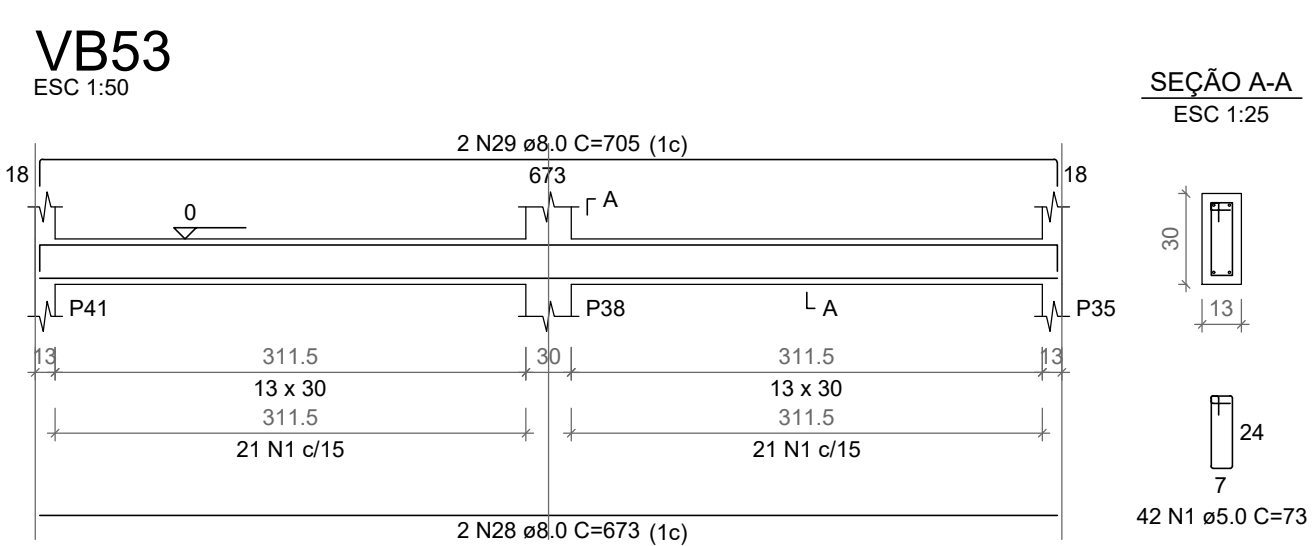
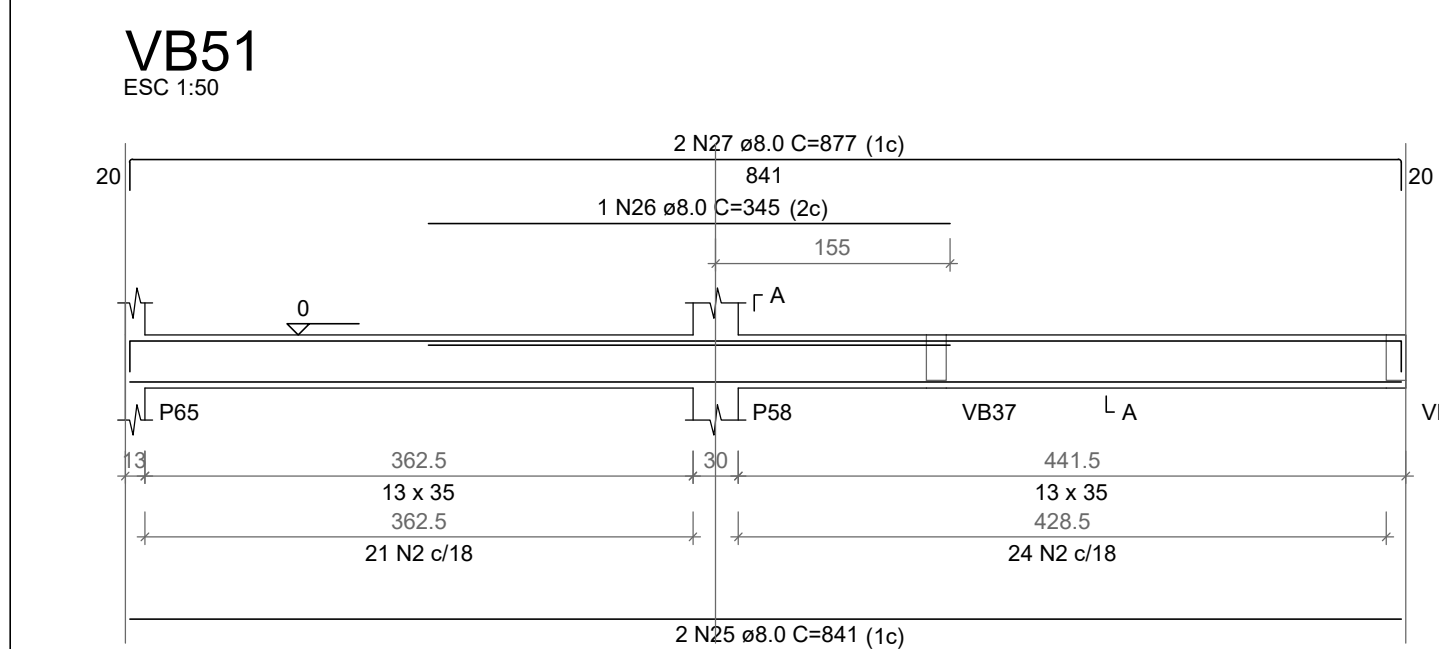
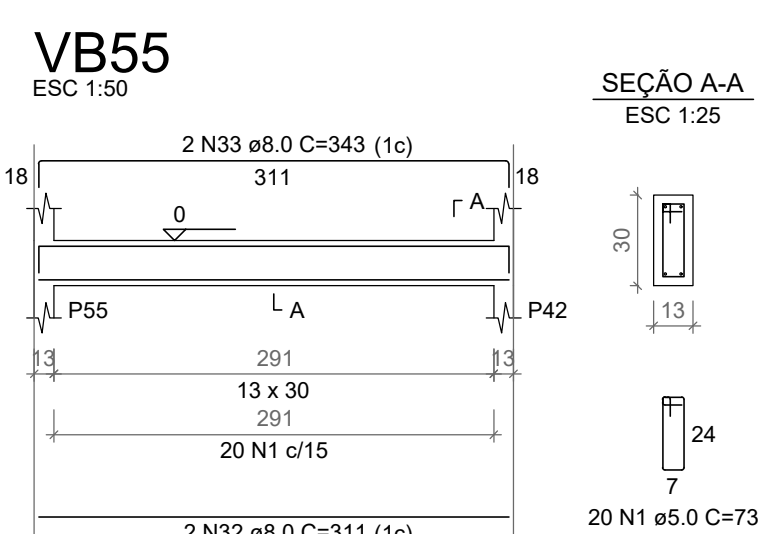
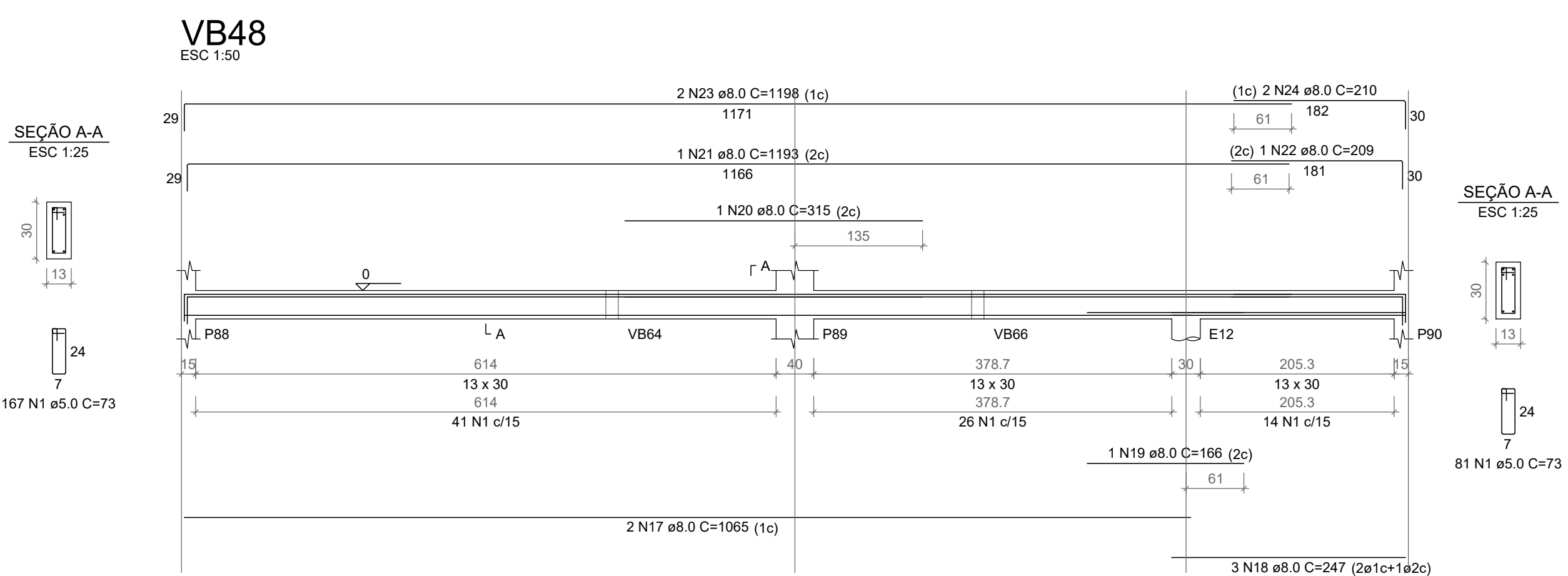
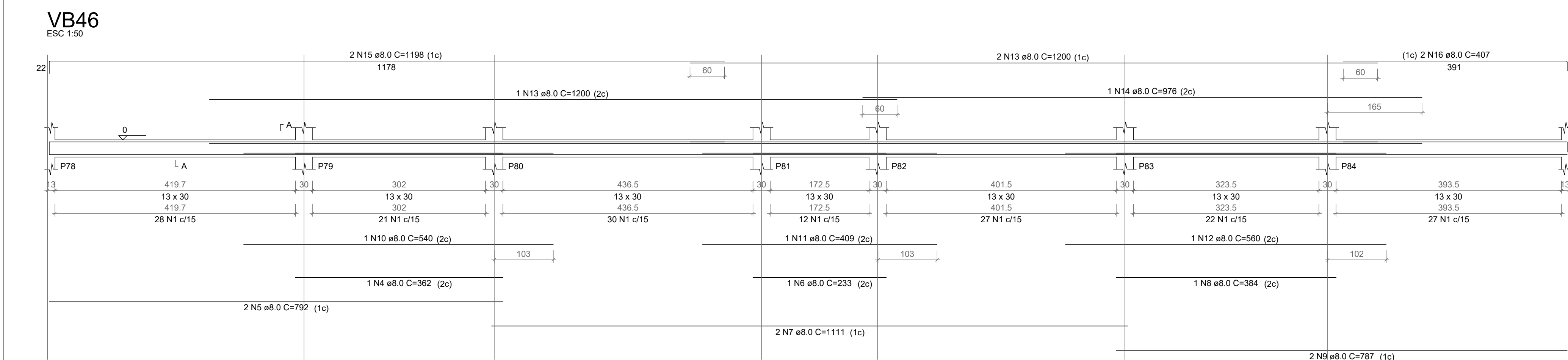
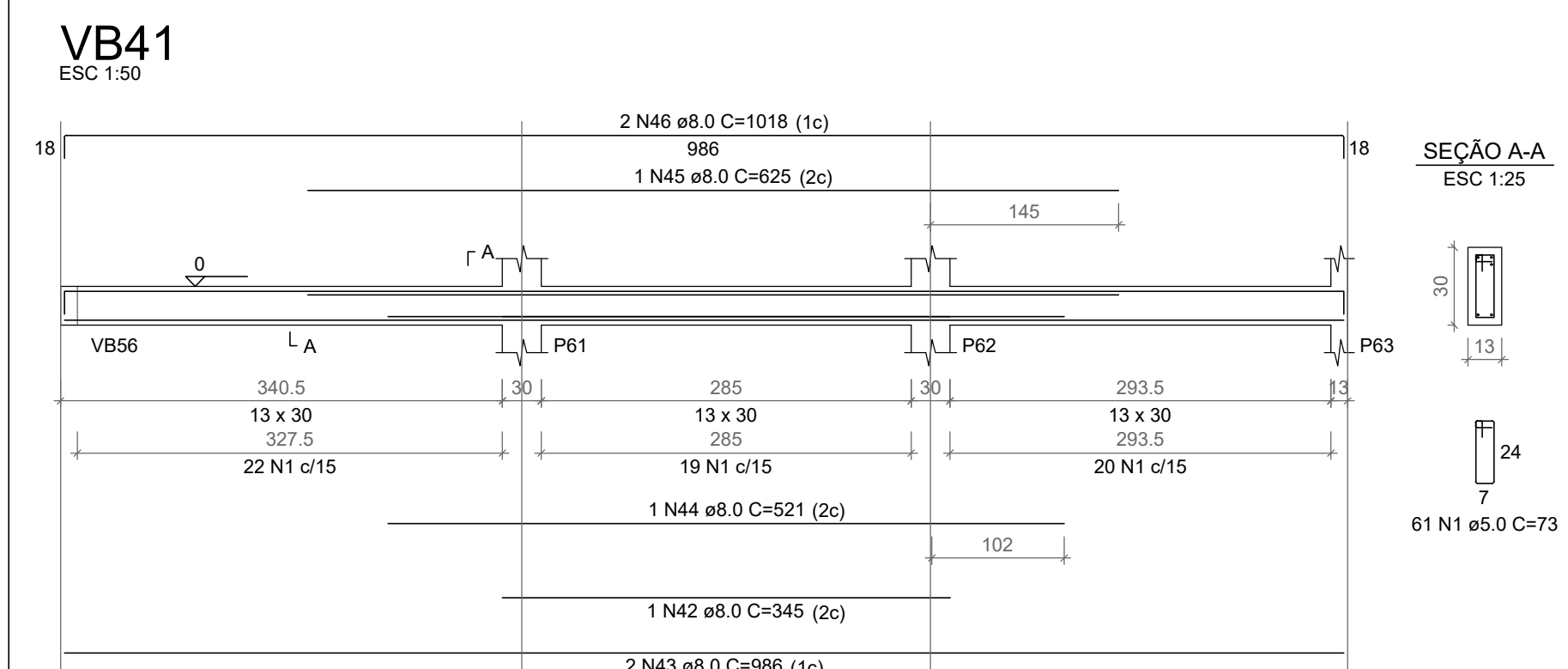
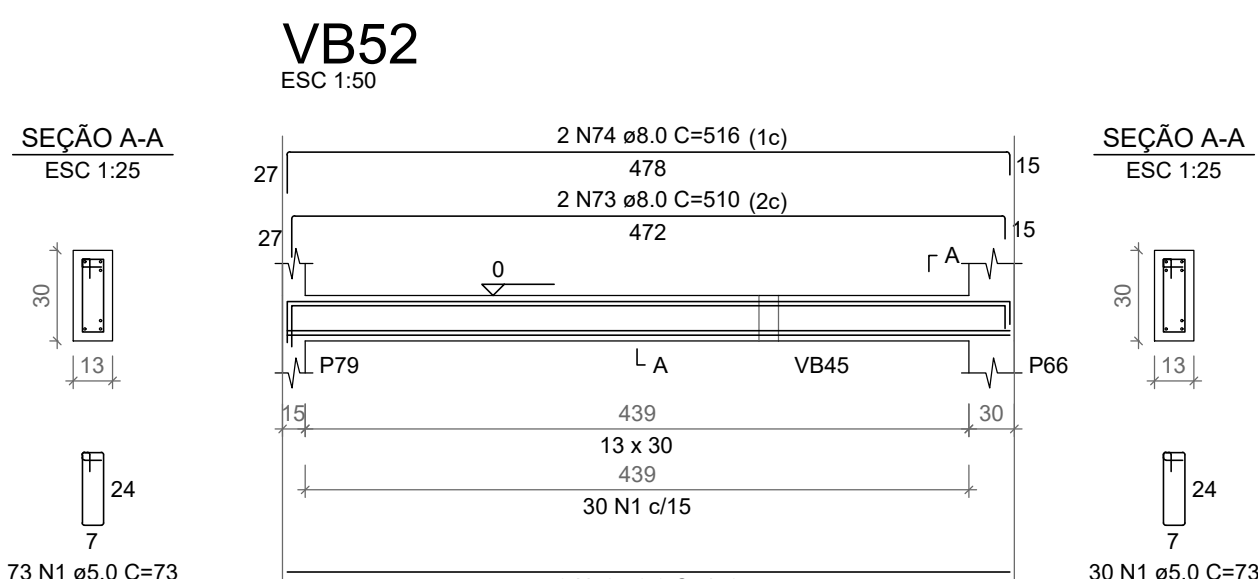
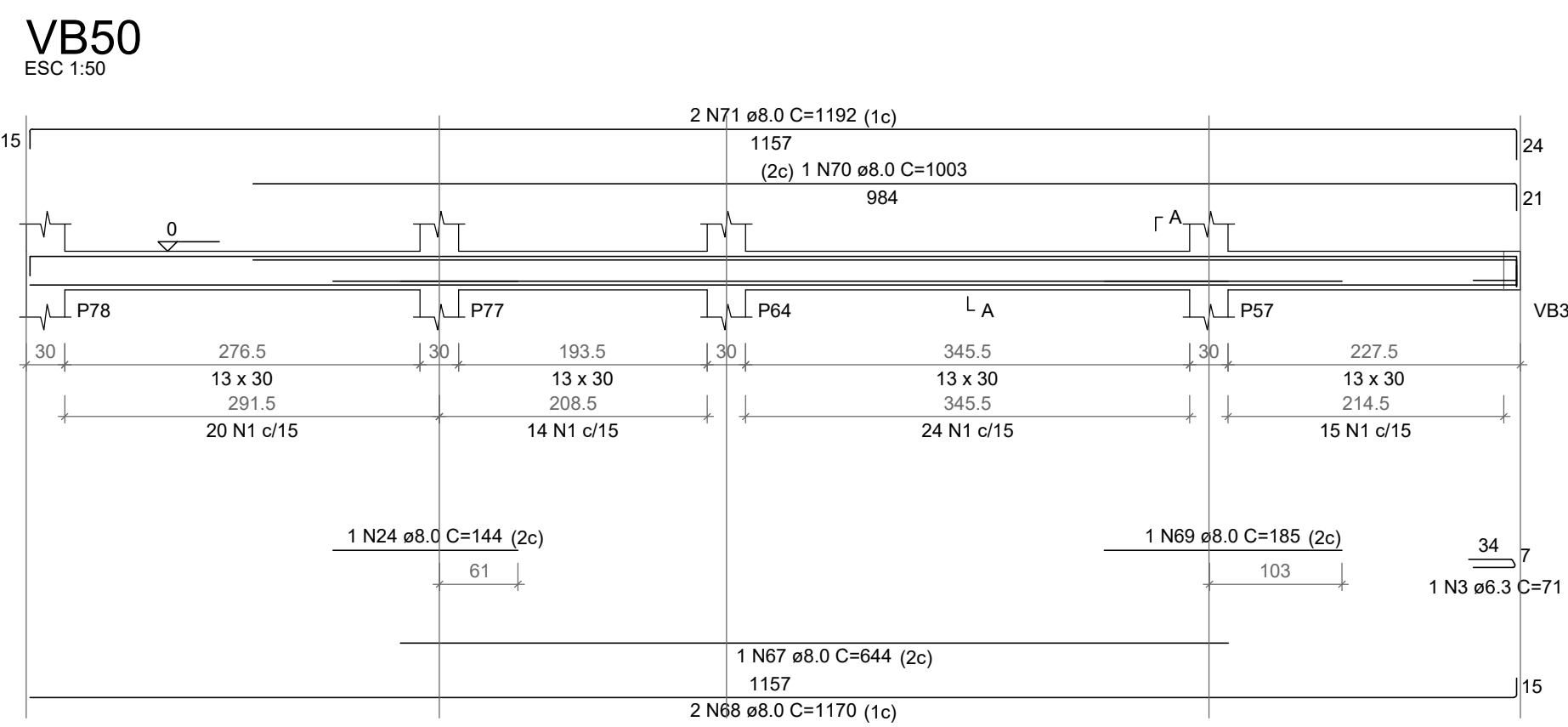
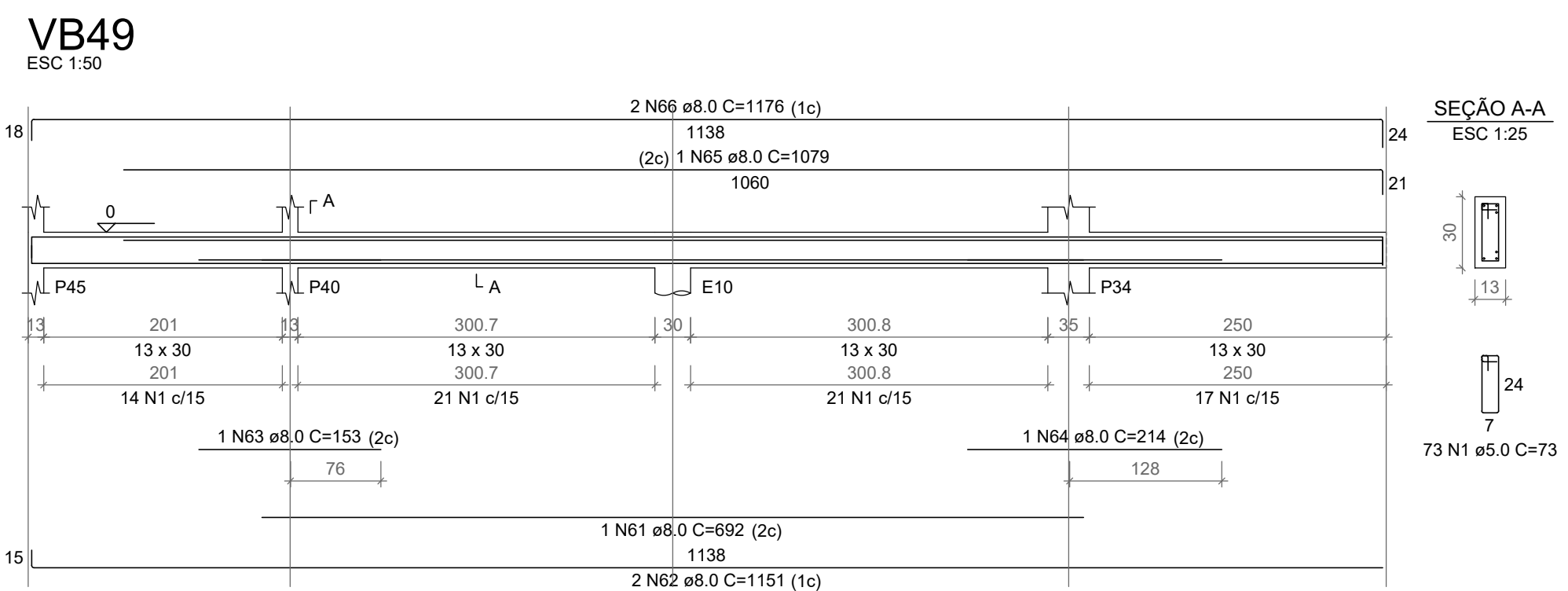
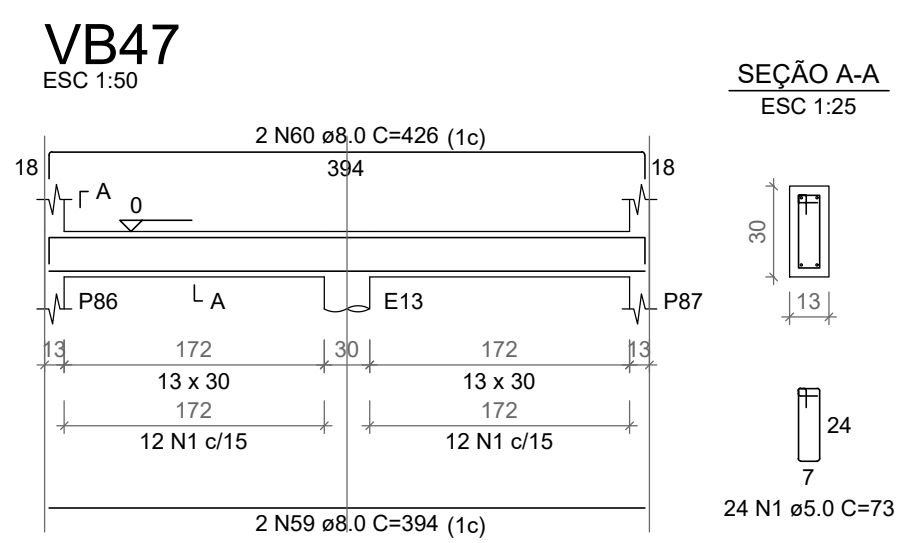
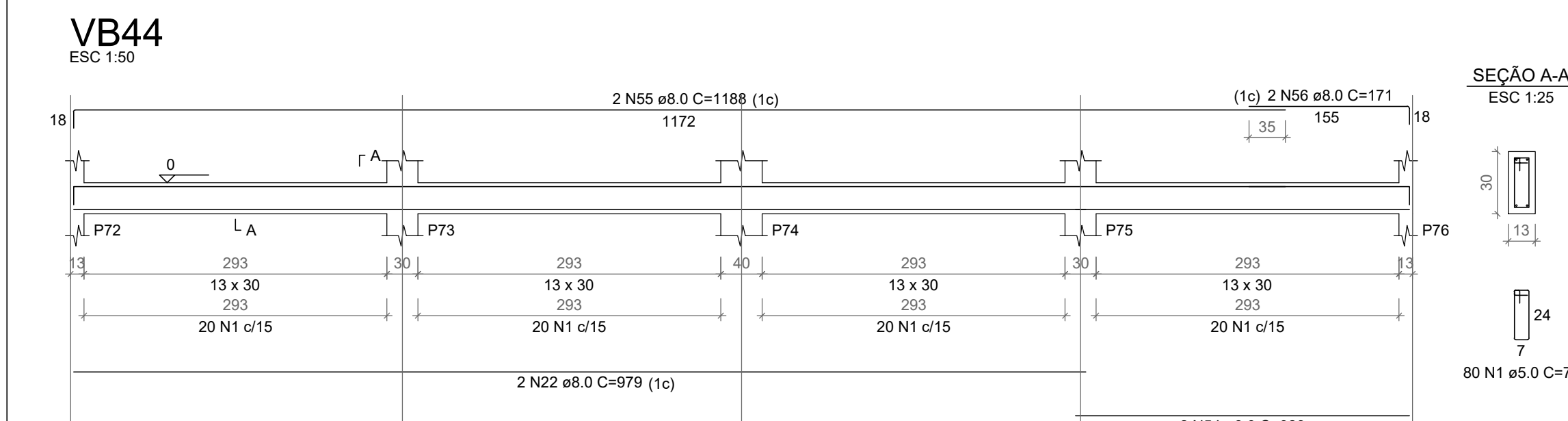


RELAÇÃO DO AÇO

ACO	N	DIAM (mm)	QUANT	C UNIT	C TOTAL
CA80	1	5.0	1104	73	80562
CA50	3	6.3	1	422	844
	1	7.1	71	71	71
	4	8.0	3	1161	3483
	5	8.0	2	563	1126
	6	8.0	1	1047	1047
	7	8.0	3	1198	3594
	8	8.0	1	256	256
	9	8.0	2	600	1200
	10	8.0	2	1059	2118
	11	8.0	2	386	772
	12	8.0	1	325	325
	13	8.0	1	762	762
	14	8.0	2	1198	2396
	15	8.0	2	345	690
	16	8.0	2	940	1880
	17	8.0	2	525	1050
	18	8.0	2	554	1108
	19	8.0	2	209	418
	20	8.0	1	222	222
	21	8.0	2	231	462
	22	8.0	4	679	3016
	23	8.0	3	469	1407
	24	8.0	2	144	288
	25	8.0	1	562	562
	26	8.0	2	1198	2396
	27	8.0	2	319	638
	28	8.0	2	647	1294
	29	8.0	2	952	1904
	30	8.0	2	393	786
	31	8.0	2	905	1810
	32	8.0	2	1022	2044
	33	8.0	2	194	388
	34	8.0	2	963	1926
	35	8.0	2	365	730
	36	8.0	2	422	844
	37	8.0	2	299	598
	38	8.0	2	331	662
	39	8.0	2	396	792
	40	8.0	2	388	776
	41	8.0	2	986	1972
	42	8.0	2	501	1002
	43	8.0	2	625	1250
	44	8.0	2	1018	2036
	45	8.0	2	328	656
	46	8.0	2	791	1582
	47	8.0	2	399	798
	48	8.0	2	646	1292
	49	8.0	2	692	1384
	50	8.0	2	323	646
	51	8.0	2	1188	2376
	52	8.0	2	342	684
	53	8.0	2	444	888
	54	8.0	2	480	960
	55	8.0	2	354	708
	56	8.0	2	426	852
	57	8.0	2	652	1304
	58	8.0	2	1151	2302
	59	8.0	2	153	306
	60	8.0	2	214	428
	61	8.0	2	1079	2158
	62	8.0	2	1176	2352
	63	8.0	2	644	1288
	64	8.0	2	1170	2340
	65	8.0	2	185	370
	66	8.0	2	1003	2006
	67	8.0	2	1162	2324
	68	8.0	2	516	1032
	69	8.0	2	510	1020
	70	8.0	2	516	1032
	71	8.0	2	315	630
	72	8.0	2	345	690
	73	8.0	2	1198	2396
	74	8.0	2	345	690
	75	8.0	2	164	328

RESUMO DO AÇO

CA80	1	5.0	1104
	2	5.0	2
CA50	3	6.3	1
	4	8.0	3
	5	8.0	2
	6	8.0	1
	7	8.0	3
	8	8.0	1



AÇO	N	DIAM (mm)	QUANT	C.U. (g)
CA60	1	5.0	82	
CA50	2	8.0	2	
	3	8.0	2	
	4	8.0	1	
	5	8.0	1	
	6	8.0	2	1
	7	8.0	2	

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PE
CA50	8.0	66.1	
CA60	5.0	59.9	
PESO TOTAL (kg)			
CA50	28.7		
CA60	10.1		

RELAÇÃO DO AÇO						
VB46	VB48			VB51		
VB50	VB52			VB55		
VB52	VB57			VB58		
VB53	VB63			VB64		
VB55	VB66					
AÇO	N	DIAM	QUANT	C.UNIT	C.TOTAL	
CA50	1	5.0	880	73	64240	
	2	5.0	880	73	64240	
	3	6.3	2	75	150	
	4	6.3	2	75	150	
	5	8.0	2	762	1584	
	6	8.0	2	762	1584	
	7	8.0	2	1113	2226	
	8	8.0	2	984	1968	
	9	8.0	2	787	1574	
	10	8.0	2	140	280	
CA50	11	8.0	1	409	409	
	12	8.0	1	409	409	
	13	8.0	3	230	390	
	14	8.0	1	876	876	
	15	8.0	2	1198	2396	
	16	8.0	2	407	814	
	17	8.0	2	1065	2130	
	18	8.0	2	247	494	
	19	8.0	1	166	166	
	20	8.0	1	315	315	
CA50	21	8.0	1	1183	1183	
	22	8.0	1	1183	1183	
	23	8.0	2	1198	2396	
	24	8.0	2	210	420	
	25	8.0	2	841	1682	
	26	8.0	2	345	690	
	27	8.0	2	877	1754	
	28	8.0	2	877	1754	
	29	8.0	2	705	1410	
	30	8.0	2	477	954	
CA50	31	8.0	2	230	390	
	32	8.0	2	311	622	
	33	8.0	2	311	622	
	34	8.0	2	901	1802	
	35	8.0	2	901	1802	
	36	8.0	2	1198	2396	
	37	8.0	2	726	1452	
	38	8.0	2	447	894	
	39	8.0	2	509	1018	
	40	8.0	2	547	1094	
CA50	41	8.0	2	579	1158	
	42	8.0	2	479	958	
	43	8.0	2	479	958	
	44	8.0	1	211	211	
	45	8.0	1	211	211	
	46	8.0	1	953	953	
	47	8.0	1	985	985	
	48	8.0	1	375	375	
	49	8.0	1	397	397	
	50	8.0	2	234	468	
CA50	51	8.0	2	678	1356	
	52	8.0	1	883	883	
	53	8.0	1	687	687	
	54	8.0	1	170	170	
	55	8.0	1	1010	1010	
	56	8.0	1	1142	1142	
	57	8.0	1	115	115	
	58	8.0	1	115	115	
	59	8.0	2	228	456	
	60	8.0	2	1164	2328	
CA50	61	8.0	1	250	250	
	62	8.0	1	387	387	
	63	8.0	1	387	387	
	64	8.0	1	387	387	
	65	8.0	2	714	1428	
	66	8.0	2	215	430	
	67	8.0	2	215	430	
	68	8.0	2	215	430	
	69	8.0	2	215	430	
	70	8.0	2	215	430	

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	1.5	0.4
	8.0	730.3	317
	10.0	28.4	19.9
CA60	5.0	679.6	115.3
PESO TOTAL (kg)			
CA50	337.3		
CA60	115.3		

Volume de concreto (C-25) = 5.91 m³
 Área de forma = 110.40 m²

TEMPO DE DESFORMA DAS PEÇAS ESTRUTURAIS	
TIPO DE PEÇA ESTRUTURAL	DESFORMA
Fundo de vigas de menos de 3 m de vão	7 dias
Fundo de vigas de vão entre 3 m e 6 m	14 dias
Fundo de vigas de mais de 6 m de vão	21 dias
Lajes com vãos menores que 3 m	7 dias
Lajes com vãos entre 3 m e 6 m	14 dias
Lajes com vãos maiores que 6 m	21 dias
Paredes	1 dia
Pilares	3 dias
Formas laterais de vigas	1 dia
Marquises e Sacadas	21 dias
Escada	14 dias

REVISÃO:	DATA:	MOTIVO:

PROJETO ESTRUTURAL	N. FOLHAS: 19	FOLHA N.º 06
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ASSUNTO:

detalhes vigas baldrame (VB44 até VB67)

CENTRO MUNICIPAL DE EDUCAÇÃO INFANTIL PADRE ROSSI
LOCAL DA OBRA: RUA FRANCISCO VALLE, 170 – CENTRO – NOVA TRENTO / SC

FEVEREIRO DE 2022

Proprietário:
PREFEITURA MUNICIPAL DE NOVA TRENTO

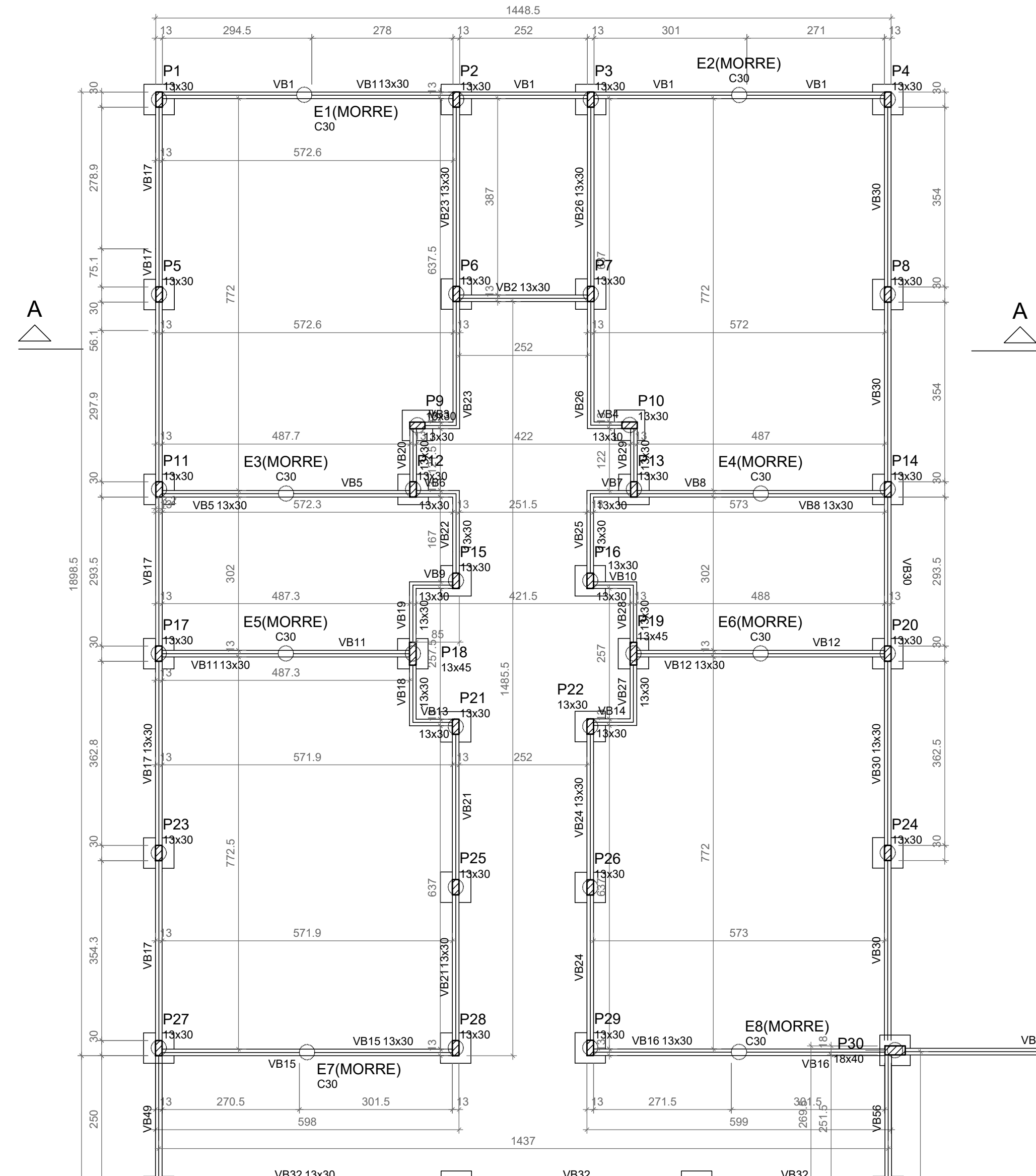
ÁREAS		Proprietário:
TERRENO	4,068,90 m2	
A CONSTRUIR		
PAV. TERREO	2132,20 m2	
CELA D'AGUA	6,42 m2	
GLP	2,84 m2	
	2.141,46 m2	
		PREFEITURA MUNICIPAL DE NOVA TRENTO
		<small>SECRETARIA DE OBRAS E URBANISMO</small>
		Projeto:

SITUAÇÃO ESQUEMÁTICA



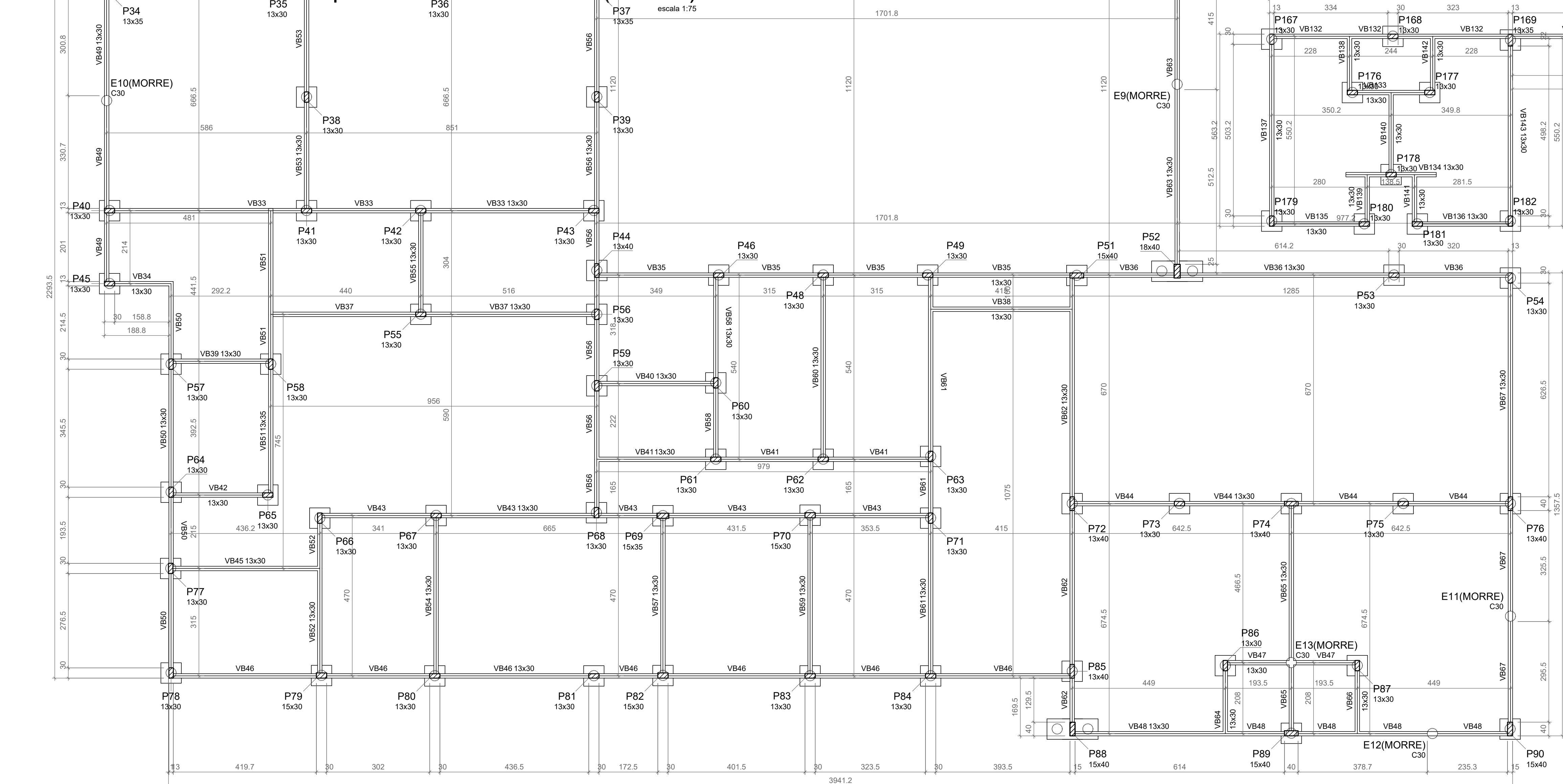
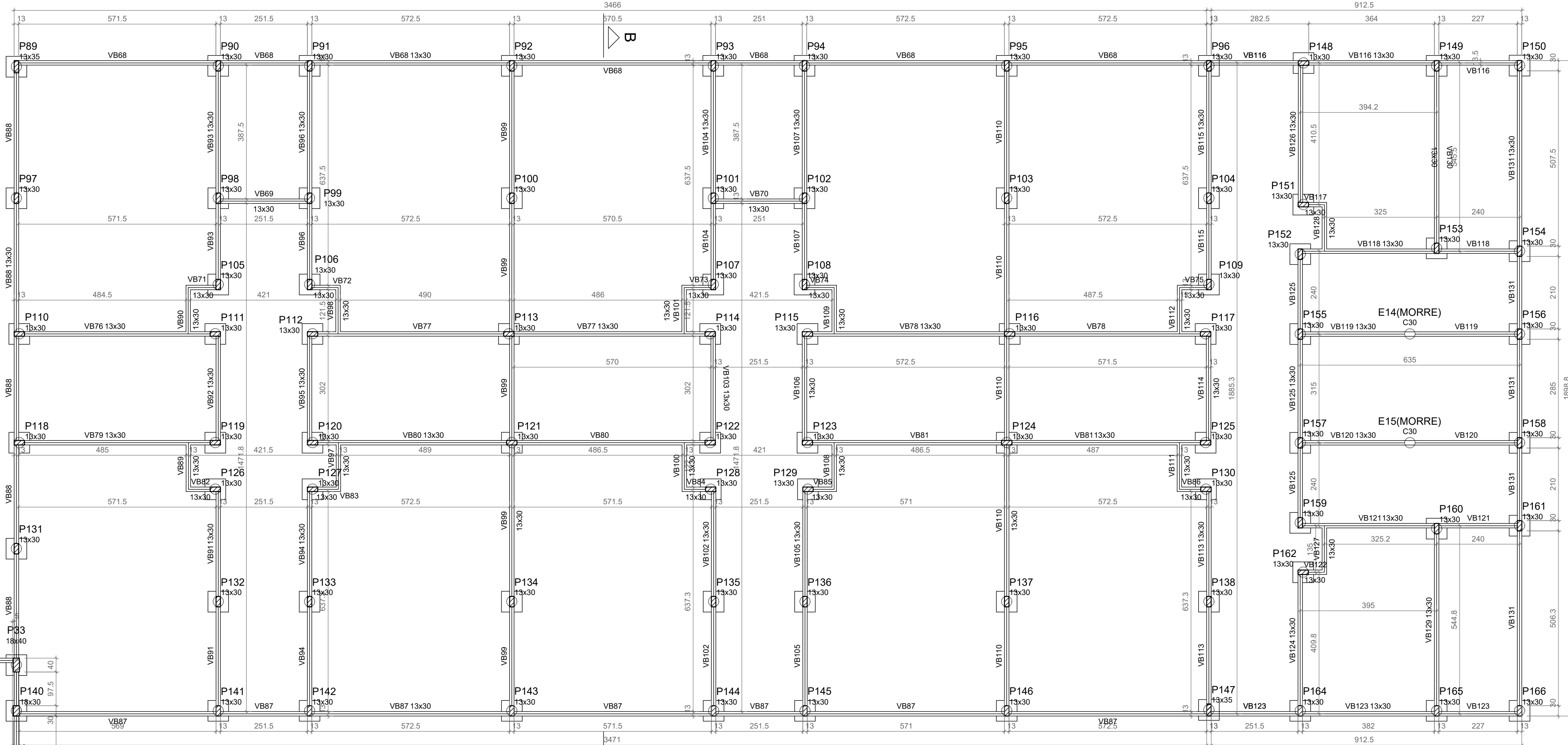
RODRIGO HENRIQUE DELMASSO
ARQUITETO E URBANISTA, CAU 66.2465-4

Observações:



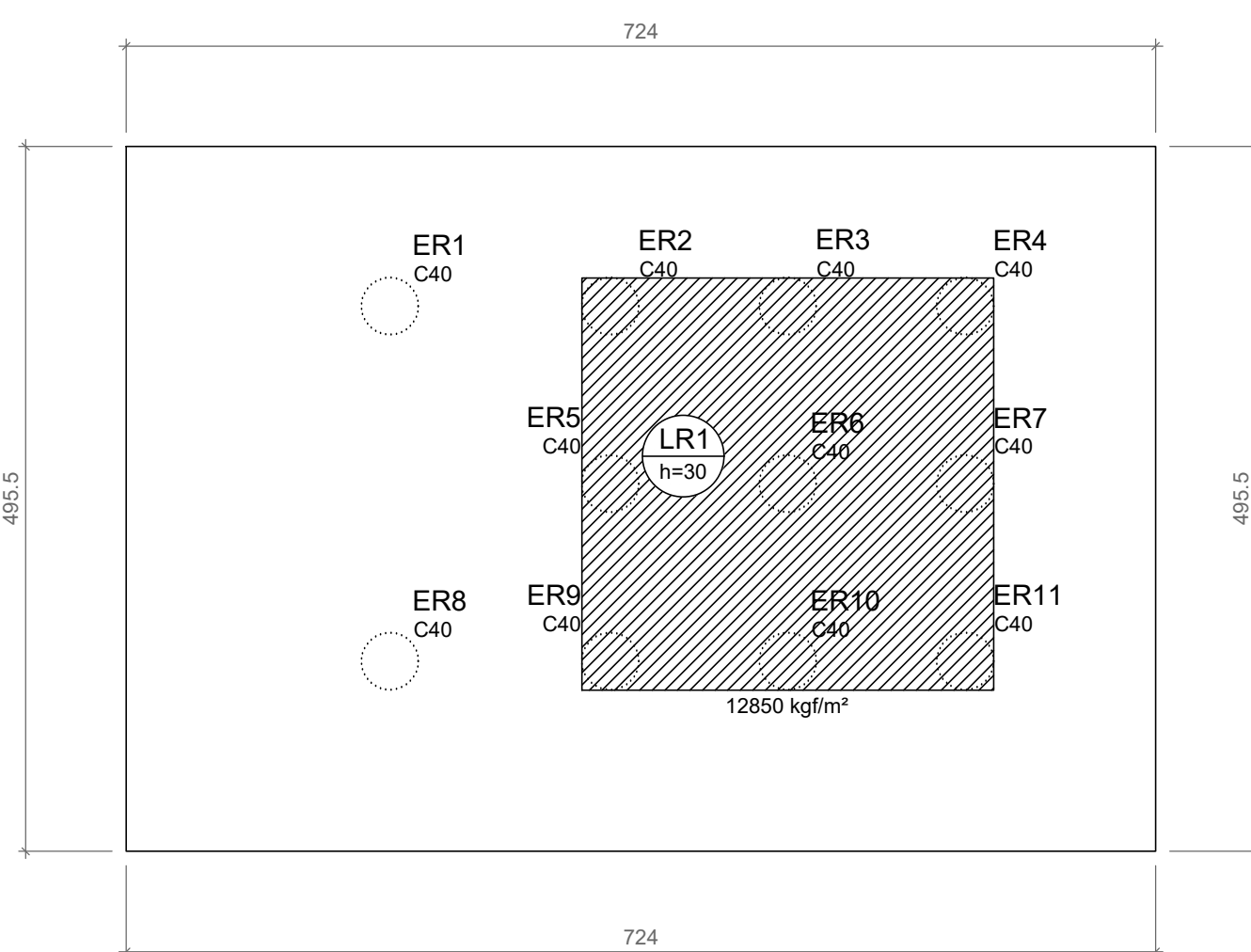
Forma do pavimento BALDRAME (Nível 0)

escala 1:75



Forma do pavimento BALDRAME (Nível 0)

escala 1:75



Forma do pavimento BASE CAIXA D'ÁGUA (Nível 0)

escala 1:50

Lajes						
Nome	Tipo	Altura (cm)	Dados Elevação (cm)	Nível (cm)	Peso próprio (kg/m²)	Adicional Acidental Localizada
LR1	Moldado	30		0	750	137 300 sim

Características dos materiais		
Isa	kg/cm²	Esq
250		241.500

Dimensão máxima do agregado = 19 mm

Vigas				Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)	Nome	Seção (cm)	Elevação (cm)	Nível (cm)
VB1	13x30	0	0	VB68	13x30	0	0
VB2	13x30	0	0	VB69	13x30	0	0
VB3	13x30	0	0	VB70	13x30	0	0
VB4	13x30	0	0	VB71	13x30	0	0
VB5	13x30	0	0	VB72	13x30	0	0
VB6	13x30	0	0	VB73	13x30	0	0
VB7	13x30	0	0	VB74	13x30	0	0
VB8	13x30	0	0	VB75	13x30	0	0
VB9	13x30	0	0	VB76	13x30	0	0
VB10	13x30	0	0	VB77	13x30	0	0
VB11	13x30	0	0	VB78	13x30	0	0
VB12	13x30	0	0	VB79	13x30	0	0
VB13	13x30	0	0	VB80	13x30	0	0
VB14	13x30	0	0	VB81	13x30	0	0
VB15	13x30	0	0	VB82	13x30	0	0
VB16	13x30	0	0	VB83	13x30	0	0
VB17	13x30	0	0	VB84	13x30	0	0
VB18	13x30	0	0	VB85	13x30	0	0
VB19	13x30	0	0	VB86	13x30	0	0
VB20	13x30	0	0	VB87	13x30	0	0
VB21	13x30	0	0	VB88	13x30	0	0
VB22	13x30	0	0	VB89	13x30	0	0
VB23	13x30	0	0	VB90	13x30	0	0
VB24	13x30	0	0	VB91	13x30	0	0
VB25	13x30	0	0	VB92	13x30	0	0
VB26	13x30	0	0	VB93	13x30	0	0
VB27	13x30	0	0	VB94	13x30	0	0
VB28	13x30	0	0	VB95	13x30	0	0
VB29	13x30	0	0	VB96	13x30	0	0
VB30	13x30	0	0	VB97	13x30	0	0
VB31	13x30	0	0	VB98	13x30	0	0
VB32	13x30	0	0	VB99	13x30	0	0
VB33	13x30	0	0	VB100	13x30	0	0
VB34	13x30	0	0	VB101	13x30	0	0
VB35	13x30	0	0	VB102	13x30	0	0
VB36	13x30	0	0	VB103	13x30	0	0
VB37	13x30	0	0	VB104	13x30	0	0
VB38	13x30	0	0	VB105	13x30	0	0
VB39	13x30	0	0	VB106	13x30	0	0
VB40	13x30	0	0	VB107	13x30	0	0
VB41	13x30	0	0	VB108	13x30	0	0
VB42	13x30	0	0	VB109	13x30	0	0
VB43	13x30	0	0	VB110	13x30	0	0
VB44	13x30	0	0	VB111	13x30	0	0
VB45	13x30	0	0	VB112	13x30	0	0
VB46	13x30	0	0	VB113	13x30	0	0
VB47	13x30	0	0	VB114	13x30	0	0
VB48	13x30	0	0	VB115	13x30	0	0
VB49	13x30	0	0	VB116	13x30	0	0
VB50	13x30	0	0	VB117	13x30	0	0
VB51	13x30	0	0	VB118	13x30	0	0
VB52	13x30	0	0	VB119	13x30	0	0
VB53	13x30	0	0	VB120	13x30	0	0
VB54	13x30	0	0	VB121	13x30	0	0
VB55	13x30	0	0	VB122	13x30	0	0
VB56	13x30	0	0	VB123	13x30	0	0
VB57	13x30	0	0	VB124	13x30	0	0
VB58	13x30	0	0	VB125	13x30	0	0
VB59	13x30	0	0	VB126	13x30	0	0
VB60	13x30	0	0	VB127	13x30	0	0
VB61	13x30	0	0	VB128	13x30	0	0
VB62	13x30	0	0	VB129	13x30	0	0
VB63	13x30	0	0	VB130	13x30	0	0
VB64	13x30	0	0	VB131	13x30	0	0
VB65	13x30	0	0	VB132	13x30	0	0
VB66	13x30	0	0	VB133	13x30	0	0
VB67	13x30	0	0	VB134	13x30	0	0
VB68	13x30	0	0	VB135	13x30	0	0
VB69	13x30	0	0	VB136	13x30	0	0
VB70	13x30	0	0	VB137	13x30	0	0
VB71	13x30	0	0	VB138	13x30	0	0
VB72	13x30	0	0	VB139	13x30	0	0
VB73	13x30	0	0	VB140	13x30	0	0
VB74	13x30	0	0	VB141	13x30	0	0
VB75	13x30	0	0	VB142	13x30	0	0
VB76	13x30	0	0	VB143	13x30	0	0

Legenda dos pilares

Isa	kg/cm²	Esq
250		241.500

Dimensão máxima do agregado = 19 mm

Pilares				Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)	Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	13x30	0	0	P99	13x30	0	0
P2	13x30	0	0	P100	13x30	0	0
P3	13x30	0	0	P101	13x30	0	0
P4	13x30	0	0	P102	13x30	0	0
P5	13x30	0	0	P103	13x30	0	0
P6	13x30	0	0	P104	13x30	0	0
P7	13x30	0	0	P105	13x30	0	0
P8	13x30	0	0	P106	13x30	0	0
P9	13x30	0	0	P107	13x30	0	0
P10	13x30	0	0	P108	13x30	0	0
P11	13x30	0	0	P109	13x30	0	0
P12	13x30	0	0	P110	13x30	0	0
P13	13x30	0	0	P111	13x30	0	0
P14	13x30	0	0	P112	13x30	0	0
P15	13x30	0	0	P113	13x30	0	0
P16	13x30	0	0	P114	13x30	0	0
P17	13x30	0	0	P115	13x30	0	0
P18	13x30	0	0	P116	13x30	0	0
P19	13x30	0	0	P117	13x30	0	0
P20	13x30	0	0	P118	13x30	0	0
P21	13x30	0	0	P119	13x30	0	0
P22	13x30	0	0	P120	13x30	0	0
P23	13x30	0	0	P121	13x30	0	0
P24	13x30	0	0	P122	13x30	0	0
P25	13x30	0	0	P123	13x30	0	0
P26	13x30	0	0	P124	13x30	0	0
P27	13x30	0	0	P125	13x30	0	0
P28	13x30	0	0	P126	13x30	0	0
P29	13x30	0	0	P127	13x30	0	0
P30	13x30	0	0	P128	13x30	0	0
P31	18x40	0	0	P129	13x30	0	0
P32	18x40	0	0	P130	13x30	0	0
P33	18x40	0	0	P131	13x30	0	0
P34	18x40	0	0	P132	13x30	0	0
P35	13x30	0	0	P133	13x30	0	0
P36	13x30	0	0	P134	13x30	0	0
P37	13x30	0	0	P135	13x30	0	0
P38	13x30	0	0	P136	13x30	0	0
P39	13x30	0	0	P137	13x30	0	0
P40	13x30	0	0	P138	13x30	0	0
P41	13x30	0	0	P139	13x30	0	0
P42	13x30	0	0	P140	13x30	0	0
P43	13x30	0	0	P141	13x30	0	0
P44	13x30	0	0	P142	13x30	0	0
P45	13x30	0	0	P143	13x30	0	0
P46	13x30	0	0	P144	13x30	0	0
P47	13x30	0	0	P145	13x30	0	0
P48	13x30	0	0	P146	13x30	0	0
P49	13x30	0	0	P147	13x30	0	0
P50	13x30	0	0	P148	13x30	0	0
P51	18x40	0	0	P149	13x30	0	0
P52	18x40	0	0	P150	13x30	0	0
P53	13x30	0	0	P151	13x30	0	0
P54	13x30	0	0	P152	13x30	0	0
P55	13x30	0	0	P153	13x30	0	0
P56	13x30	0	0	P154	13x30	0	0
P57	13x30	0	0	P155	13x30	0	0
P58	13x30	0	0	P156	13x30	0	0
P59	13x30	0	0	P157	13x30	0	0
P60	13x30	0	0	P158	13x30	0	0
P61	13x30	0	0	P159	13x30	0	0
P62	13x30	0	0	P160	13x30	0	0
P63	13x30	0	0	P161	13x30	0	0
P64	13x30	0	0	P162	13x30	0	0
P65	13x30	0	0	P163	13x30	0	0
P66	13x30	0	0	P164	13x30	0	0
P67	13x30	0	0	P165	13x30	0	0
P68	13x30	0	0	P166	13x30	0	0
P69	13x30	0	0	P167	13x30	0	0
P70	13x30	0	0	P168	13x30	0	0
P71	13x30	0	0	P169	13x30	0	0
P72	13x30	0	0	P170	13x30	0	0
P73	13x30	0	0	P171	13x30	0	0
P74	13x30	0	0	P172	13x30	0	0
P75	13x30	0	0	P173	13x30	0	0
P76	13x30	0	0	P174	13x30	0	0
P77	13x30	0	0	P175	13x30	0	0
P78	13x30	0	0	P176	13x30	0	0
P79	13x30	0	0	P177	13x30	0	0
P80	13x30	0	0	P178	13x30	0	0
P81	13x30	0	0	P179	13x30	0	0
P82	13x30	0	0	P180	13x30	0	0
P83	13x30	0	0	P181	13x30	0	0
P84	13x30	0	0	P182	13x30	0	0

REVISÃO: DATA: MOTIVO:

PROJETO ESTRUTURAL

N. FOLHA: 19 FOLHA: 09

ASSUNTO:

Formas pavimento baldrame e caixa d'água

CENTRO MUNICIPAL DE EDUCAÇÃO INFANTIL PADRE ROSSI
LOCAL DA OBRA: RUA FRANCISCO VALLE, 170 - CENTRO - NOVA TRENTO / SC

FEVEREIRO DE 2022

Proprietário:
PREFEITURA MUNICIPAL DE NOVA TRENTO

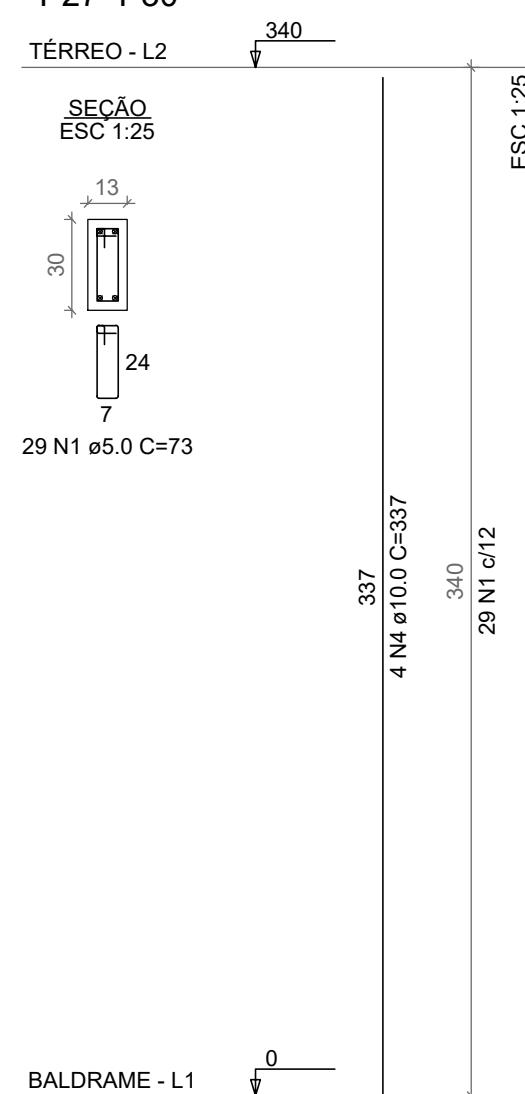
ÁREAS

Proprietário:

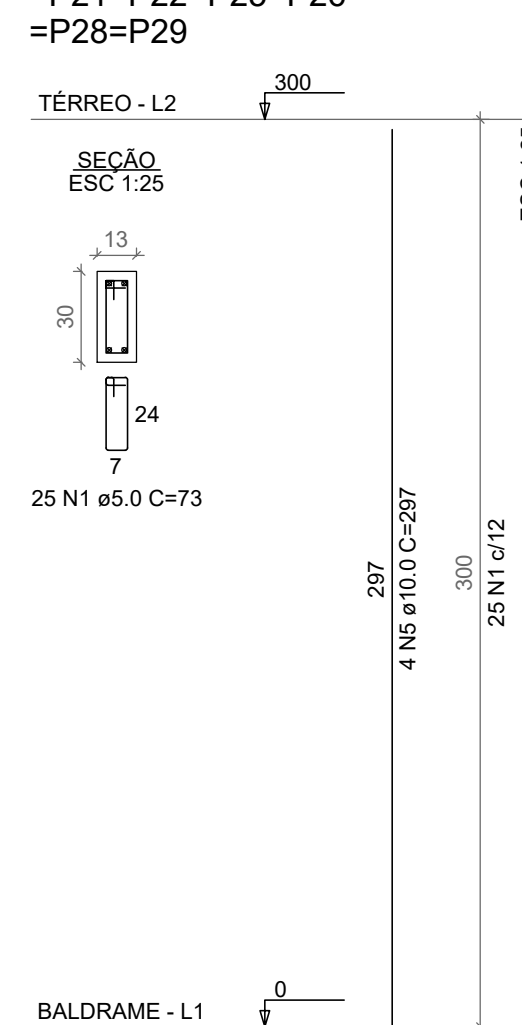
TERRENO 4,068,90 m²
A CONSTRUIR 2132,20 m²
PAV. TERREO 6,42 m²
CAIXA D'ÁGUA 2,84 m²
GLP 2.141,46 m²

PREFEITURA MUNICIPAL DE NOVA TRENTO

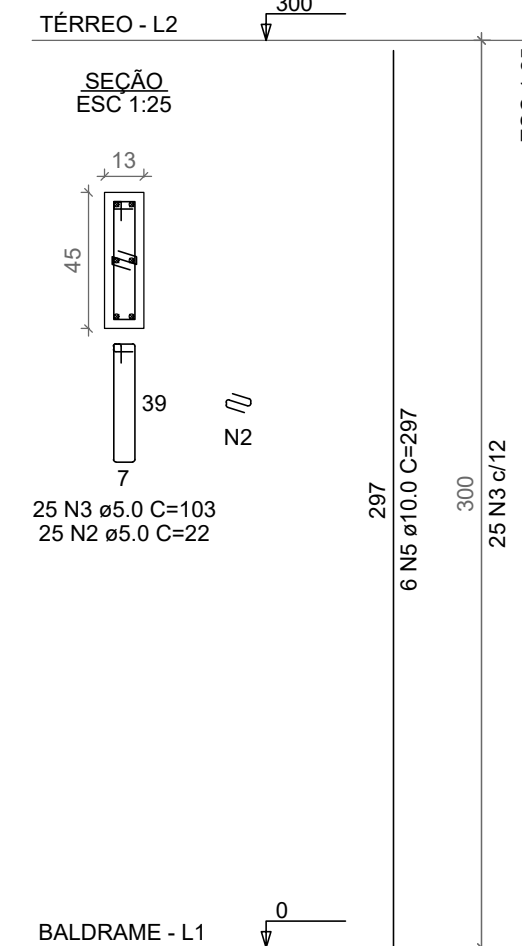
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P18=P19



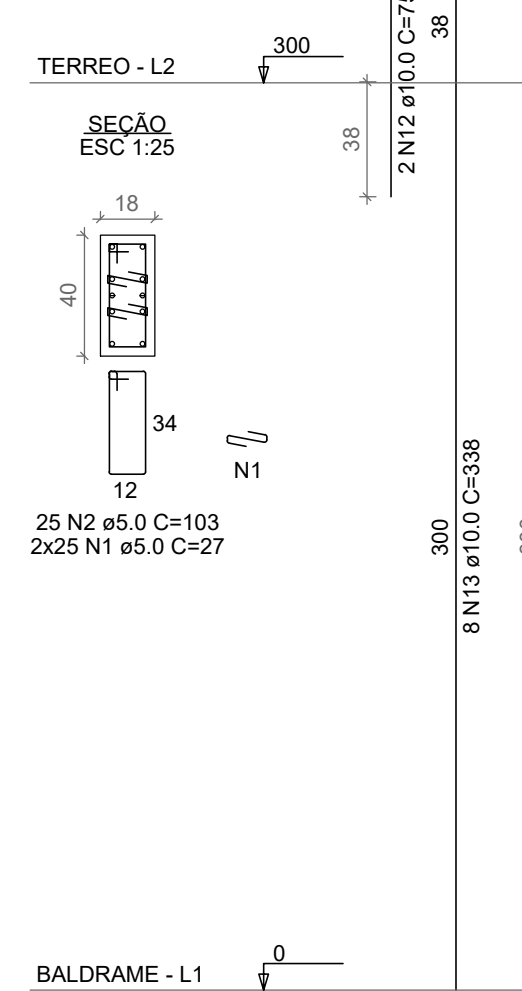
RELAÇÃO DO AÇO

ACO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	748	73	54684
CA50	2	5.0	50	22	1100
CA50	3	5.0	50	103	5150
CA50	4	10.0	48	337	16176
CA50	5	10.0	76	297	22572

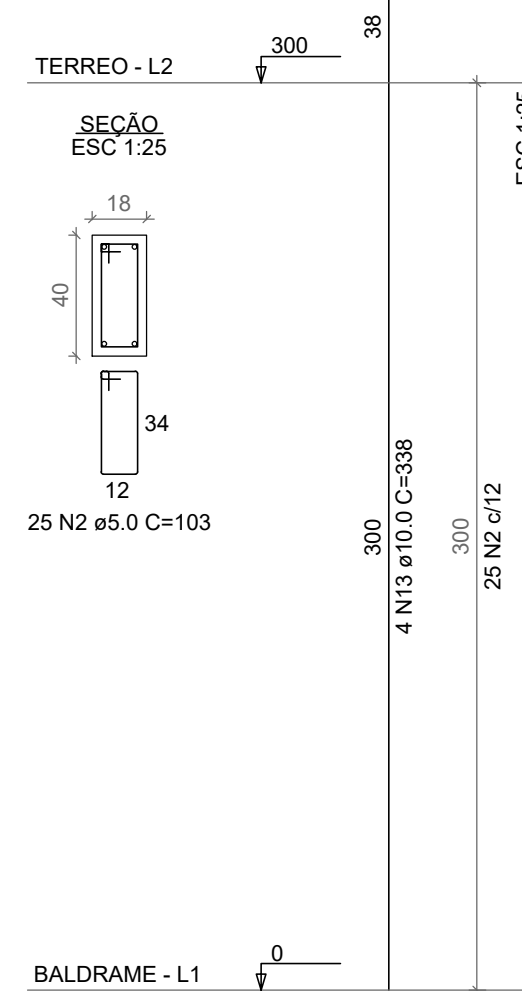
ACO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	10.0	387.5	36	262.8
CA50	5.0	605.5	-	103.2
PESO TOTAL (kg)				
CA50				262.8
CA50				103.2

Volume de concreto (C-25) = 3.81 m³
Área de forma = 83.33 m²

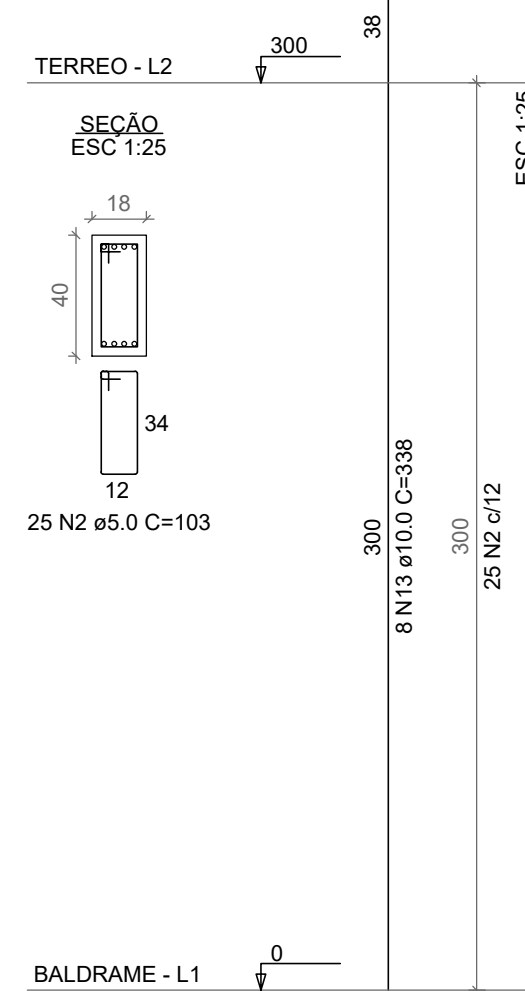
P30



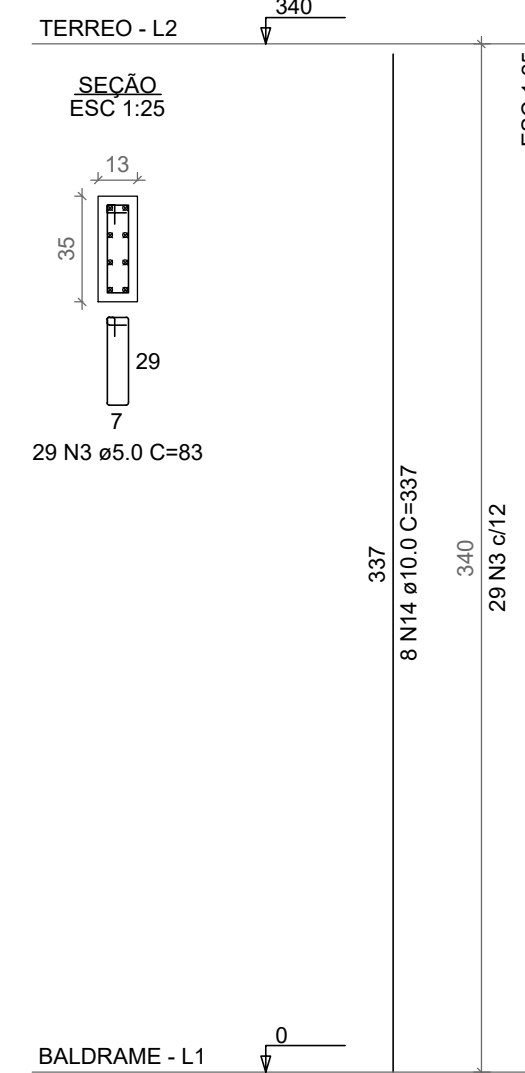
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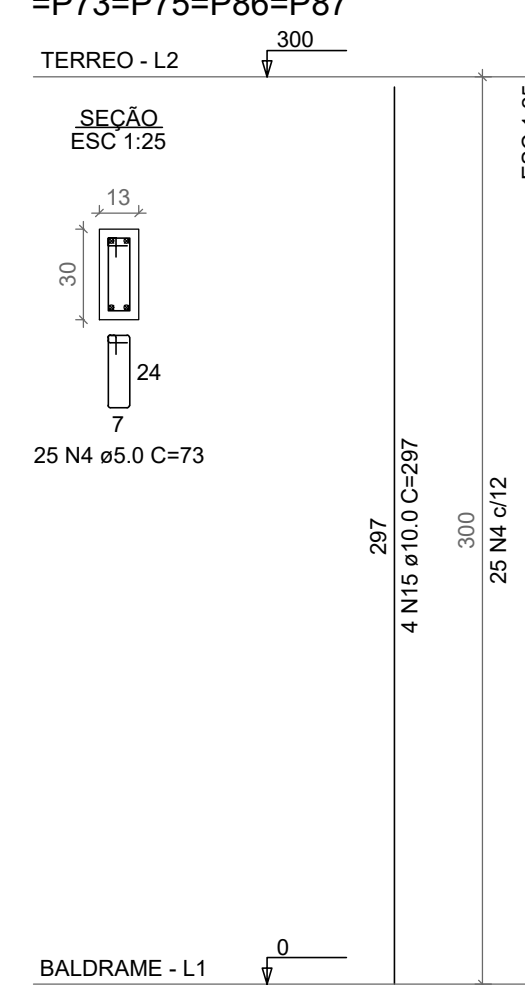
P33



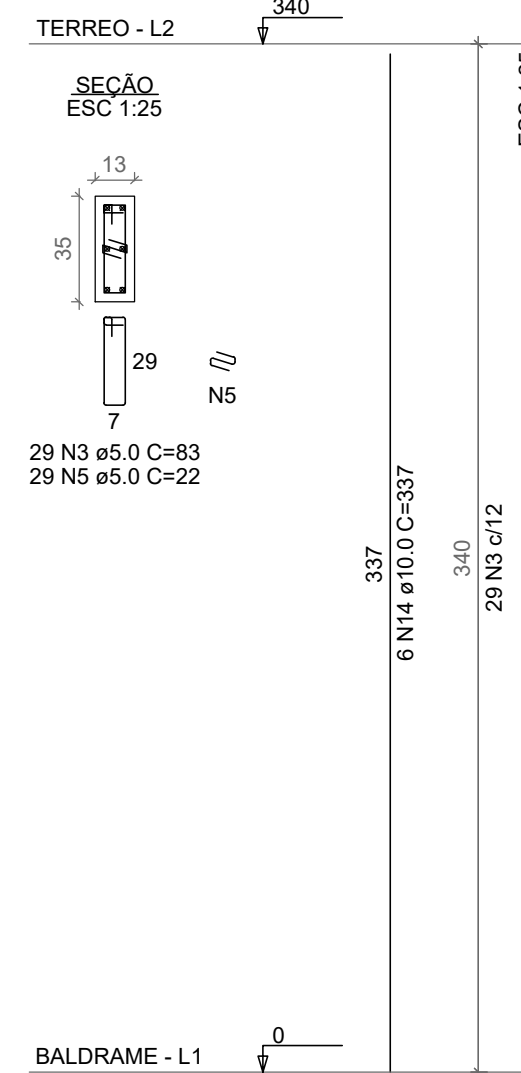
P34



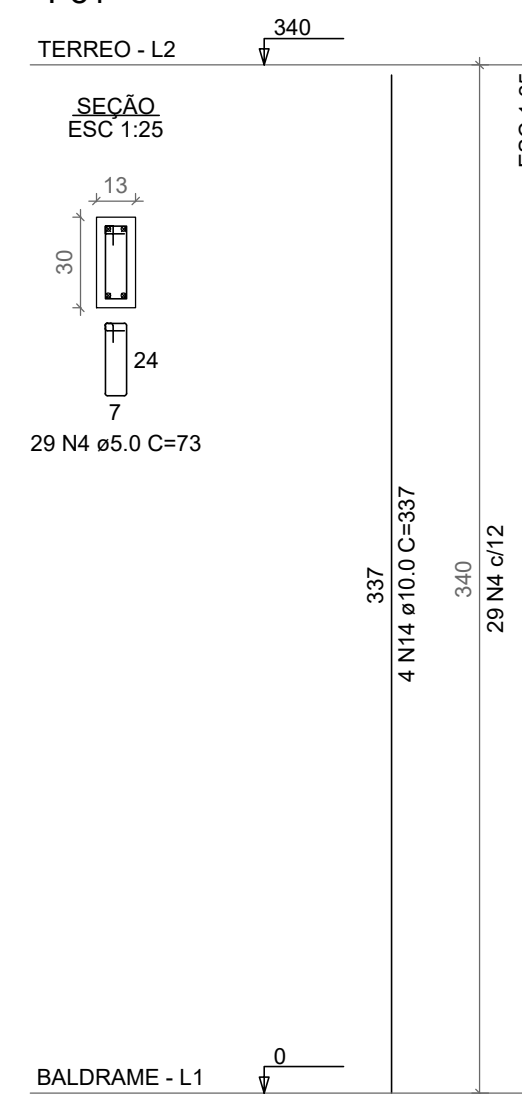
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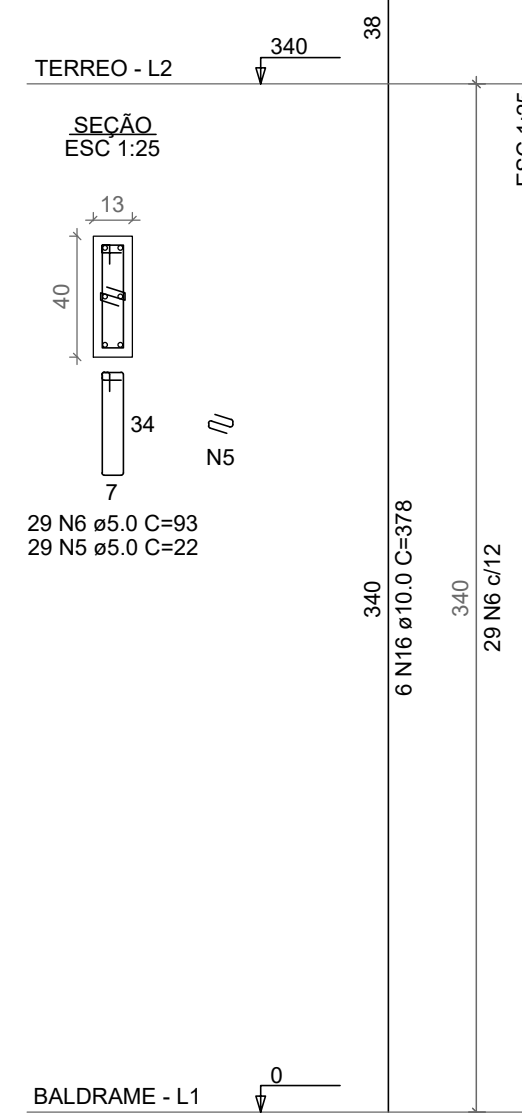
P37



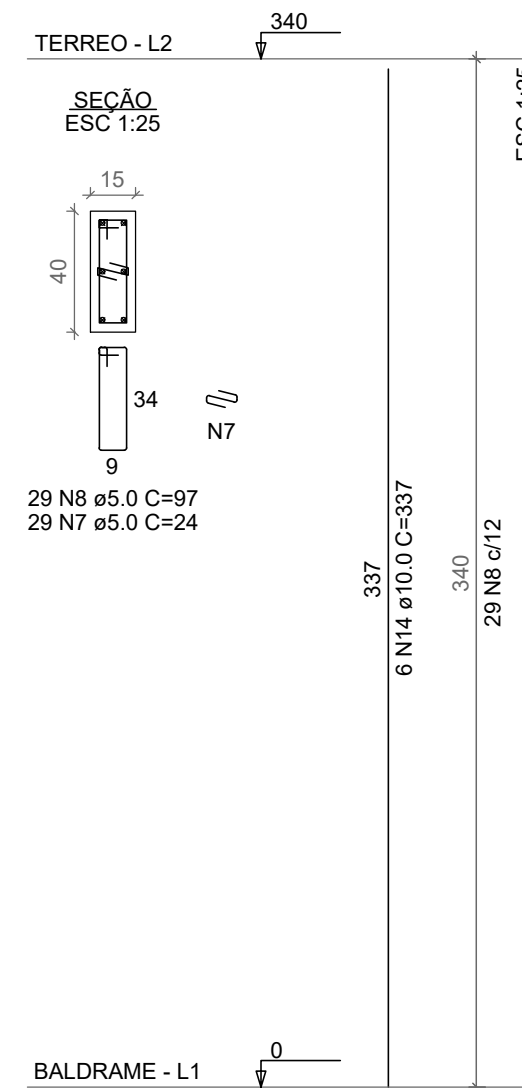
P39=P45=P46=P48=P49=
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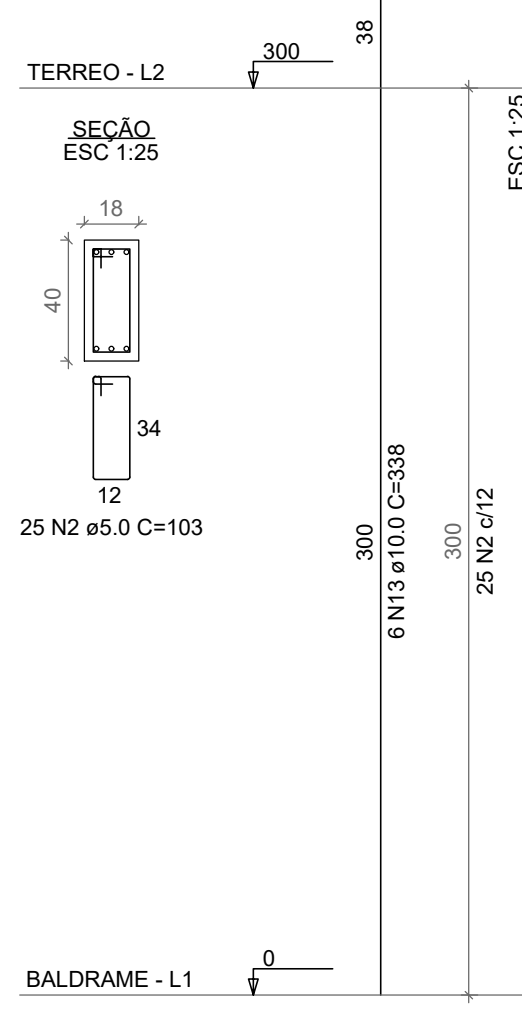
P44



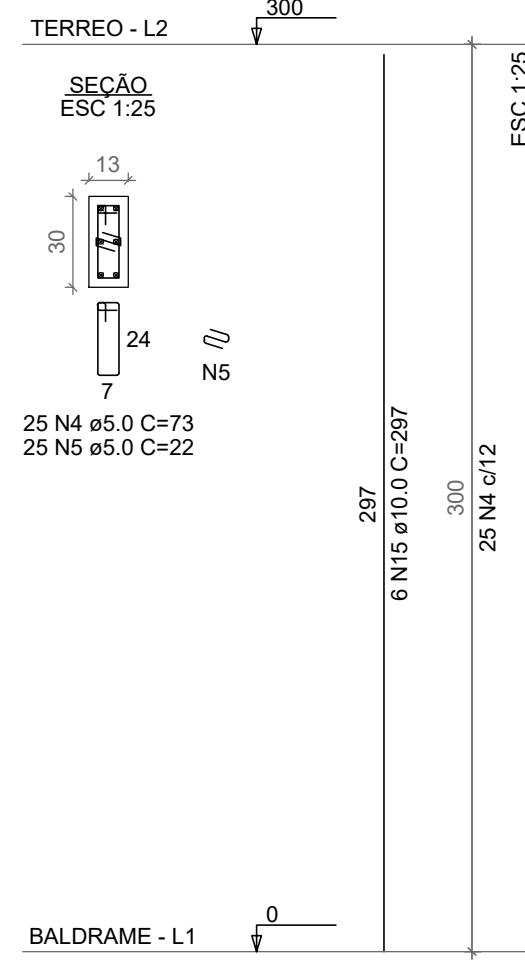
P51=P89=P90



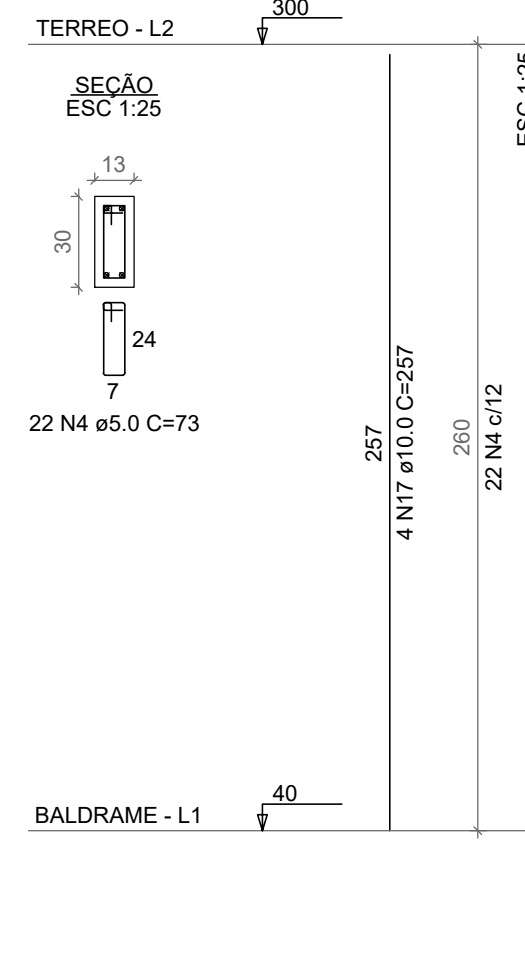
P52



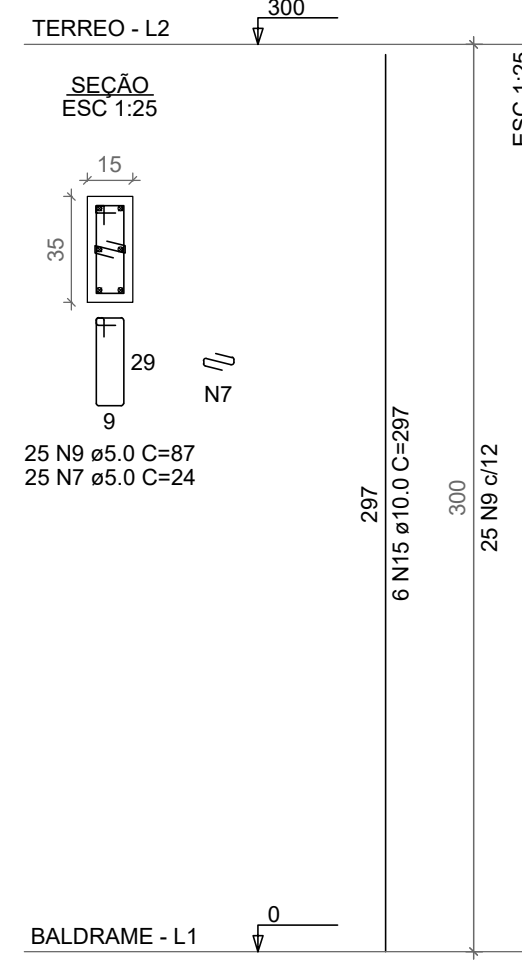
P56=P67



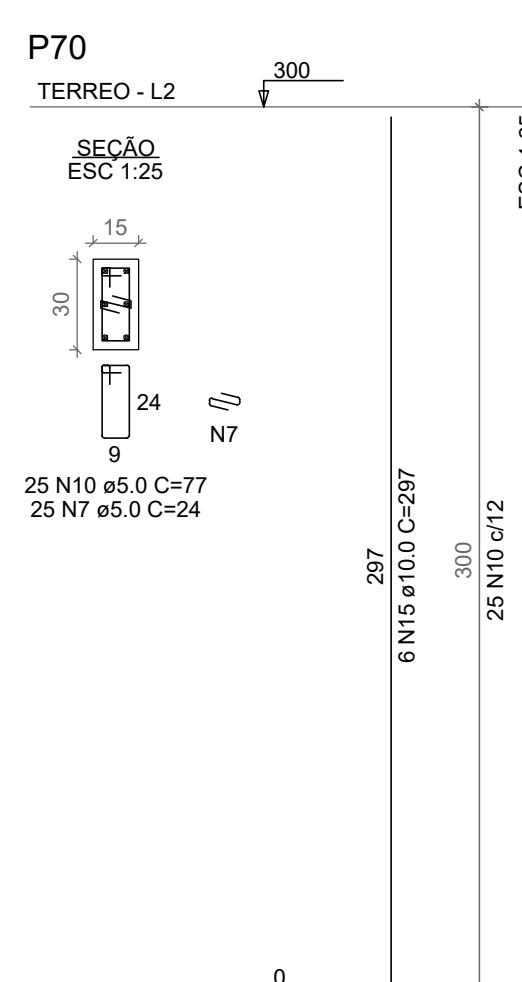
P69



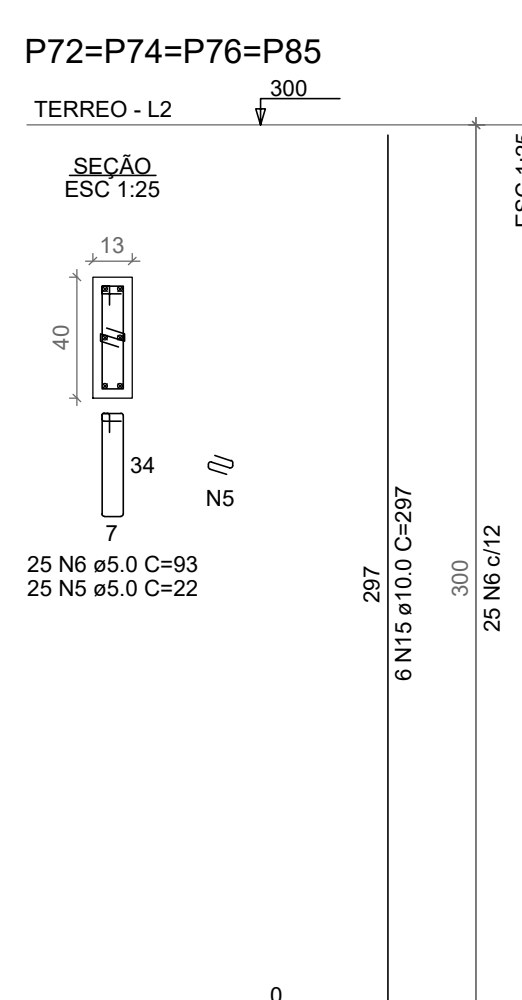
P69



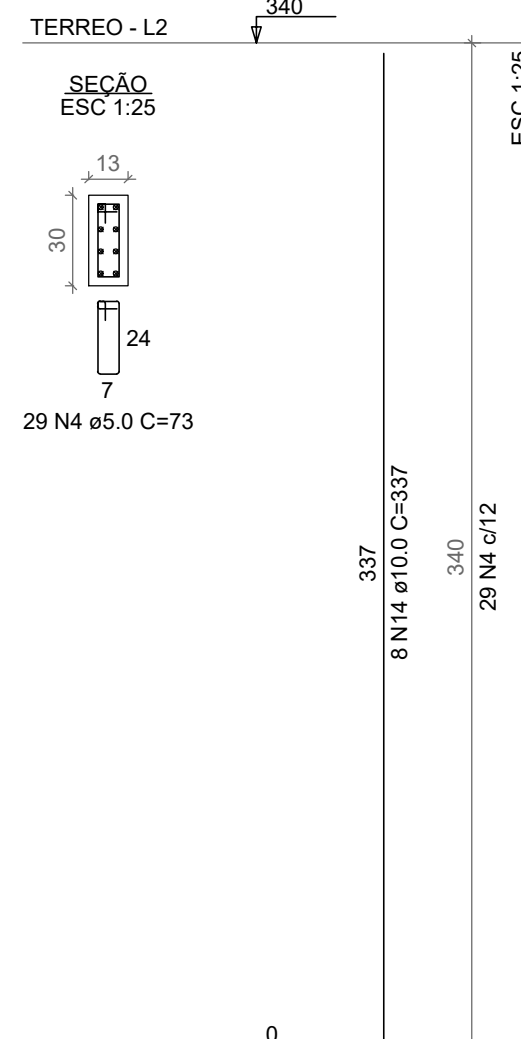
P70



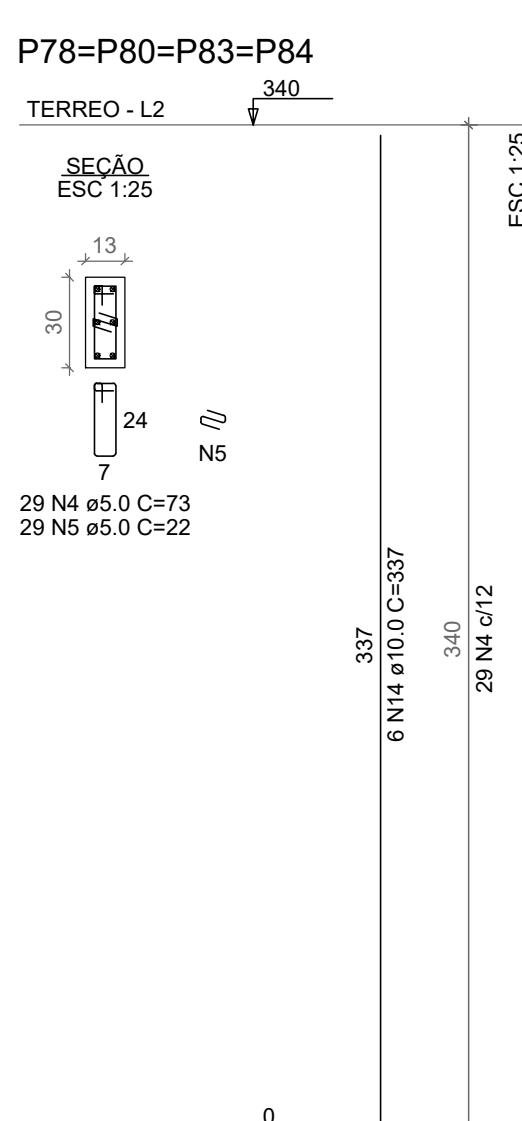
P72=P74=P76=P85



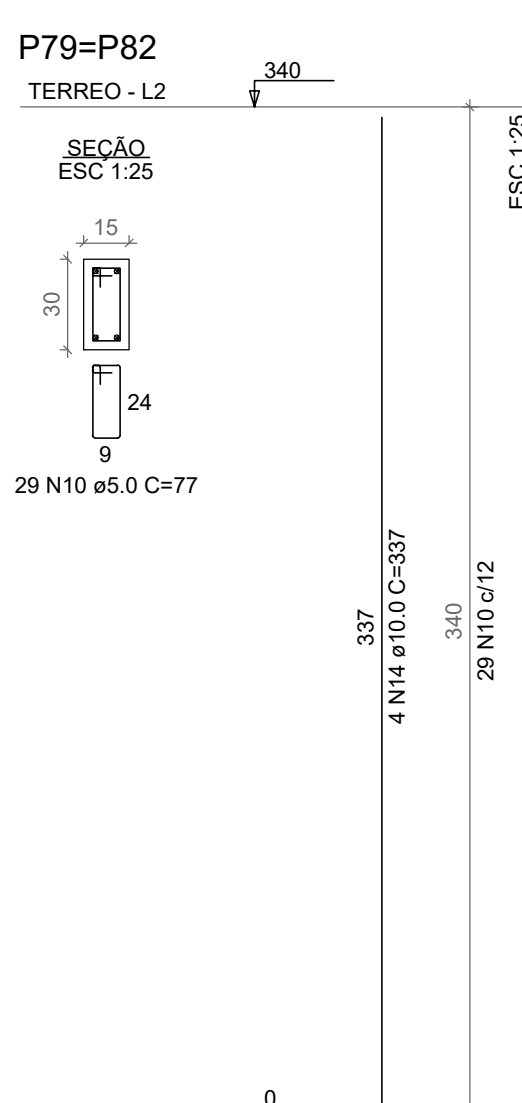
P77



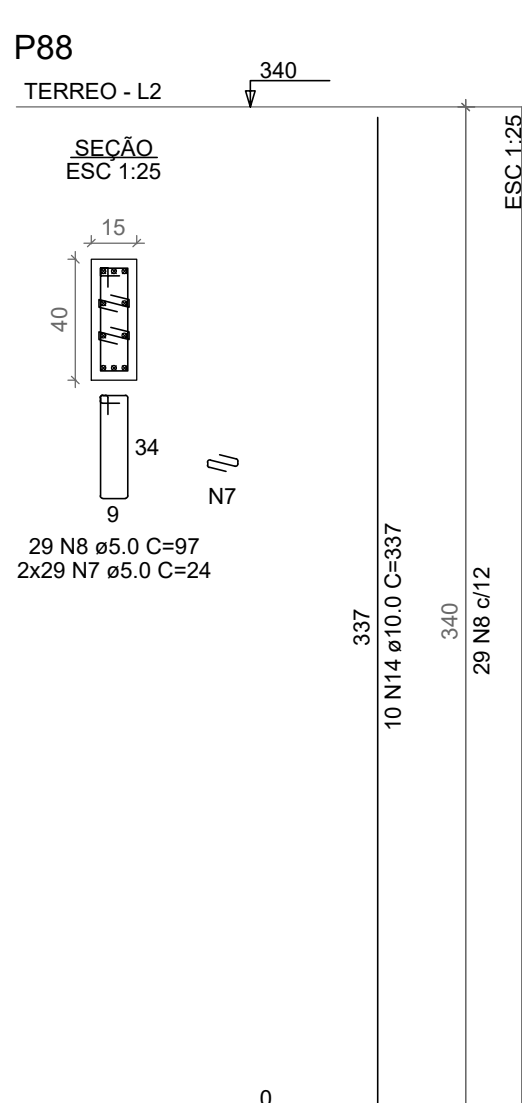
P78=P80=P83=P84



P79=P82



P88



RELAÇÃO DO AÇO

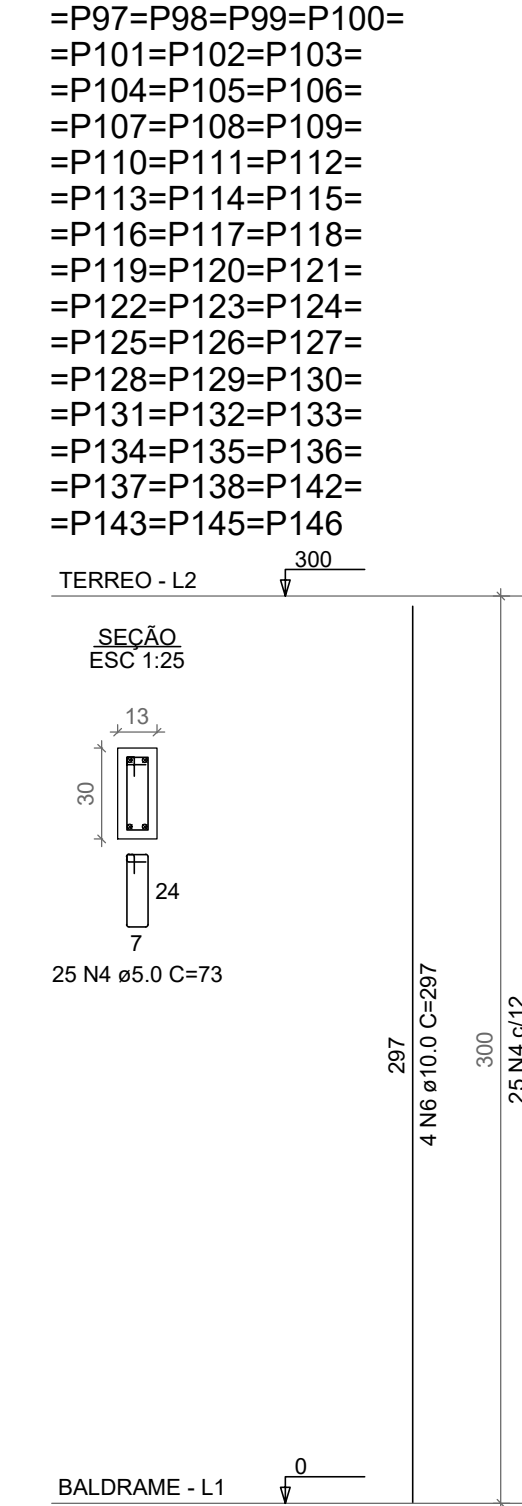
ACO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	75	27	2025
CA50	2	5.0	125	103	12875
CA50	3	5.0	50	83	4614
CA50	4	5.0	1032	73	75336
CA50	5	5.0	129	93	11997
CA50	6	5.0	195	24	4680
CA50	7	5.0	116	97	11252
CA50	8	5.0	165	87	14355
CA50	9	5.0	83	77	6351
CA50	10	5.0	100	75	7500
CA50	11	5.0	125	75	9375
CA50	12	10.0	48	337	16176
CA50	13	10.0	129	337	43114
CA50	14	10.0	129	297	38289
CA50	15	10.0	129	297	38289
CA50	16	10.0	48	378	17856
CA50	17	10.0	4	257	1028

RESUMO DO AÇO

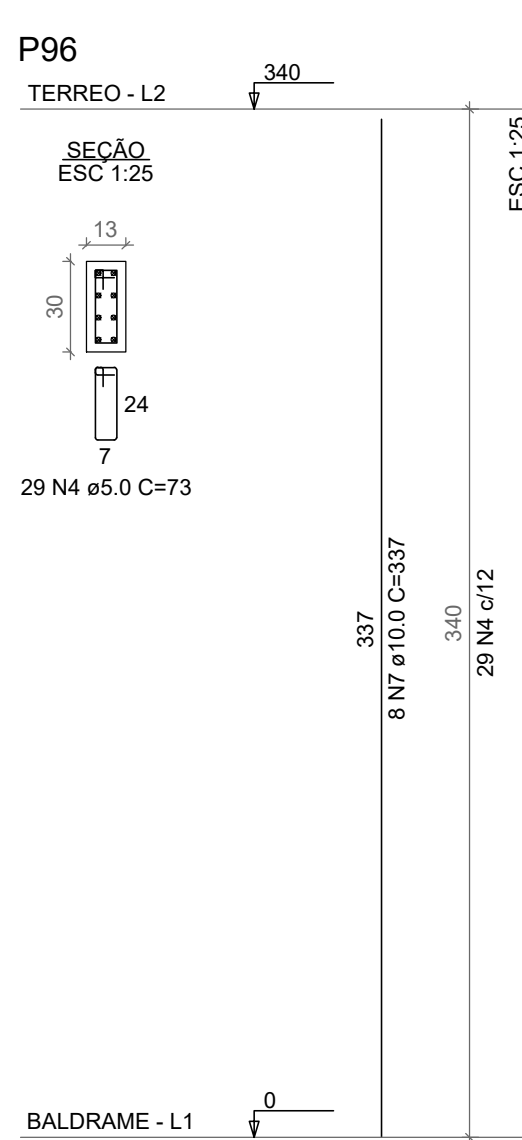
ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	856.9	648.9
CA50	5.0	1407.5	238.6
PESO TOTAL (kg)			
CA50			648.9
CA50			238.6

Volume de concreto (C-25) = 8.55 m³
Área de forma = 175.35 m²

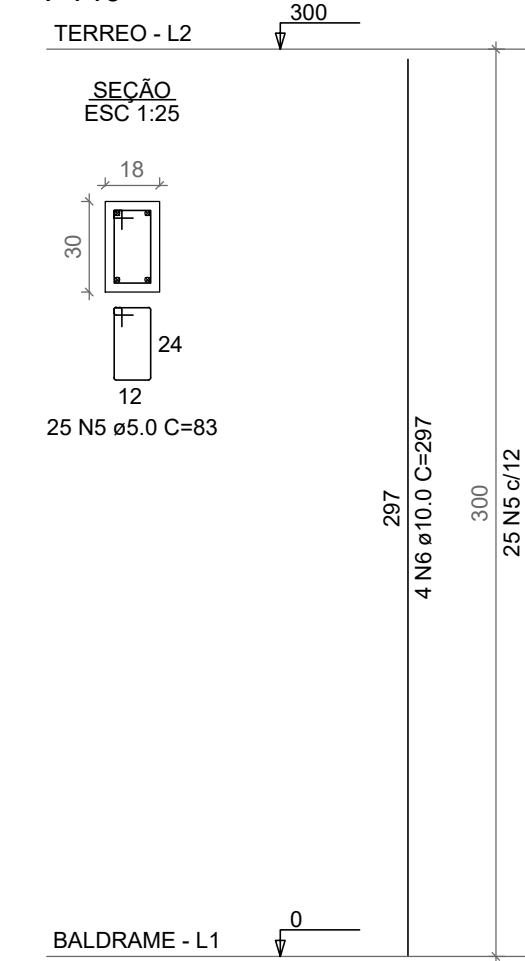
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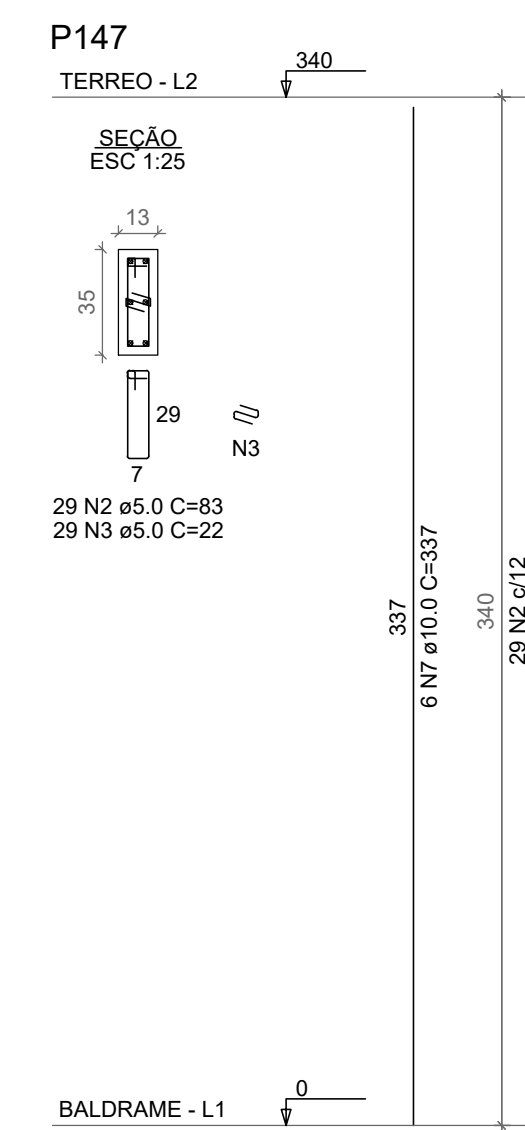
P96



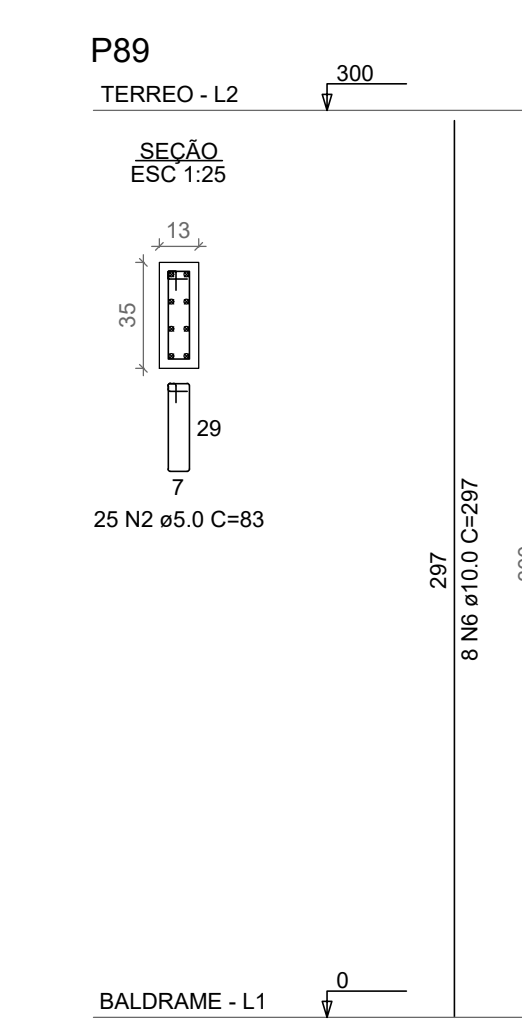
P140



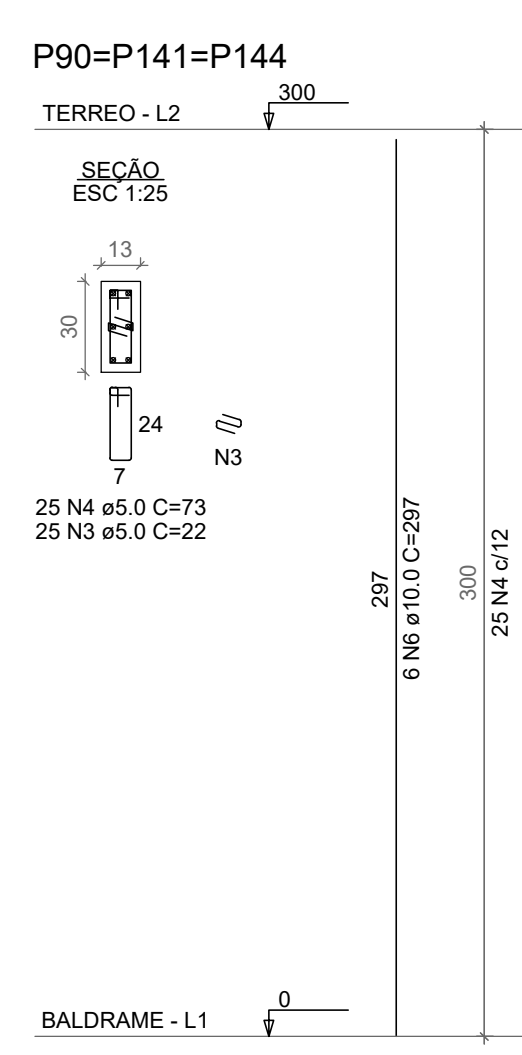
P147



P89



P90=P141=P144



RELAÇÃO DO AÇO

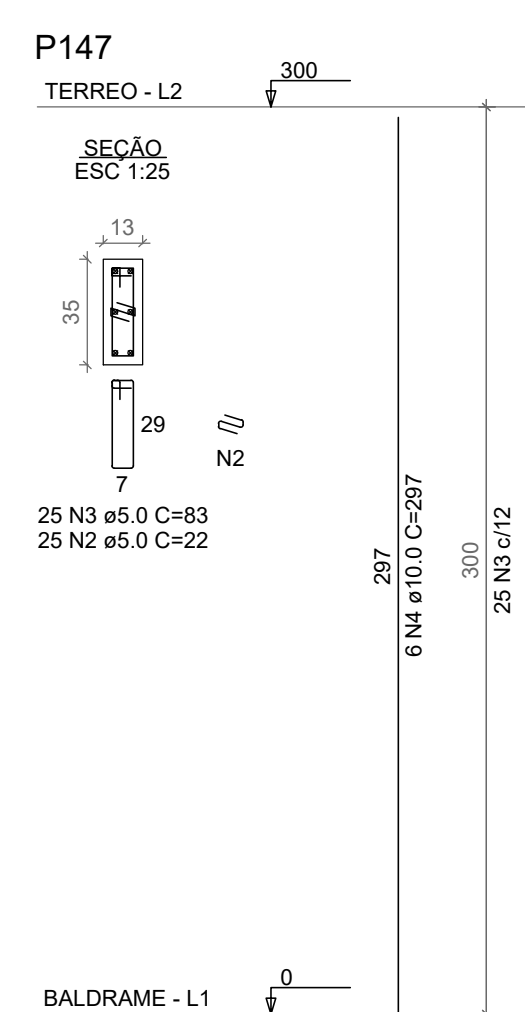
ACO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	25	103	2575
CA50	2	5.0	25	83	2075
CA50	3	5.0	104	73	7536
CA50	4	5.0	1379	73	100857
CA50	5	5.0	25	83	2075
CA50	6	5.0	242	297	71874
CA50	7	5.0	14	337	4718

RESUMO DO AÇO

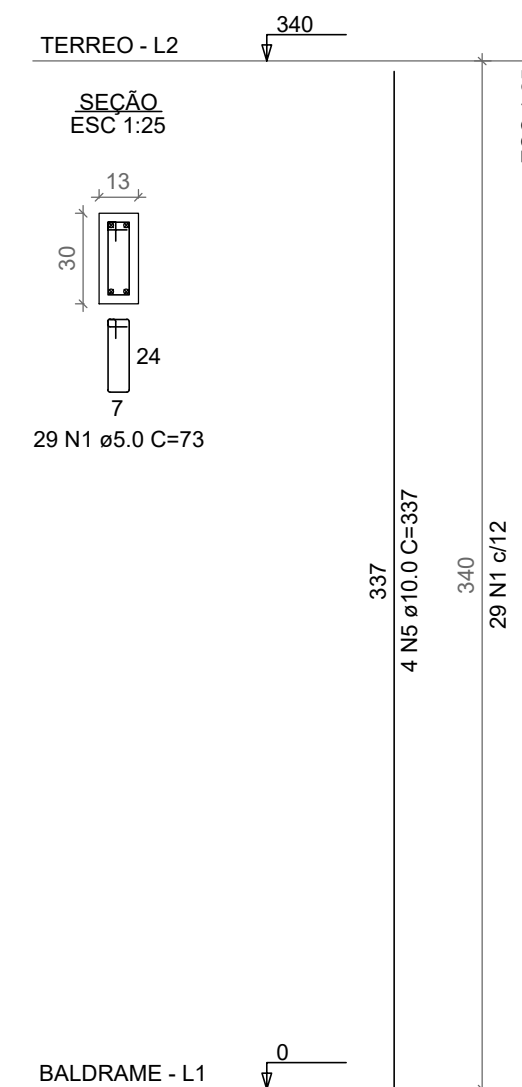
ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	765.9	519.4
CA50	5.0	1120.9	190
PESO TOTAL (kg)			
CA50			519.4
CA50			190

Volume de concreto (C-25) = 7.12 m³
Área de forma = 154.75 m²

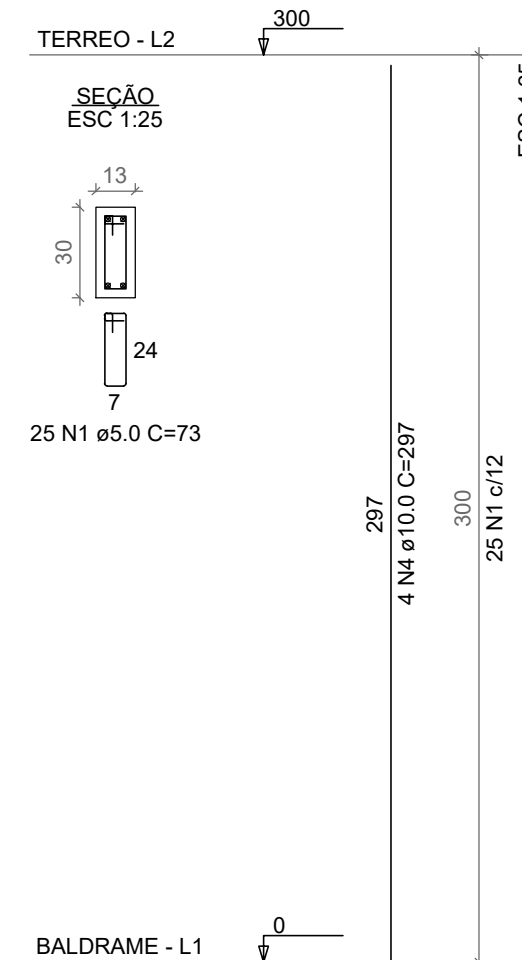
P147



P148=P149=P150=P154=
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P151=P152=P153=P155=
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=P162



RELAÇÃO DO AÇO

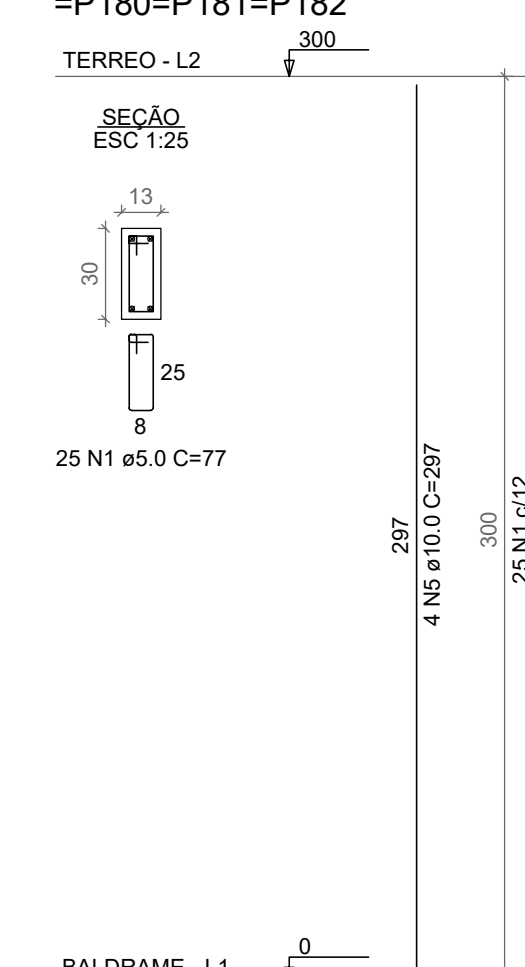
ACO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	515	73	37595
CA50	2	5.0	25	22	550
CA50	3	5.0	25	83	2075
CA50	4	10.0	48	297	13652
CA50	5	10.0	40	337	13480

RESUMO DO AÇO

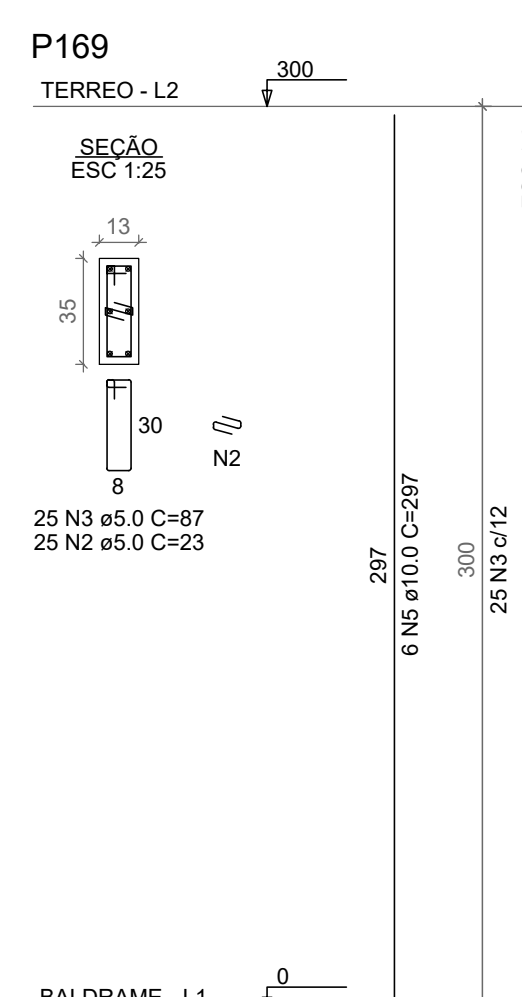
ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	271.4	184.1
CA50	5.0	402.2	66.2
PESO TOTAL (kg)			
CA50			184.1
CA50			66.2

Volume de concreto (C-25) = 2.52 m³
Área de forma = 55.34 m²

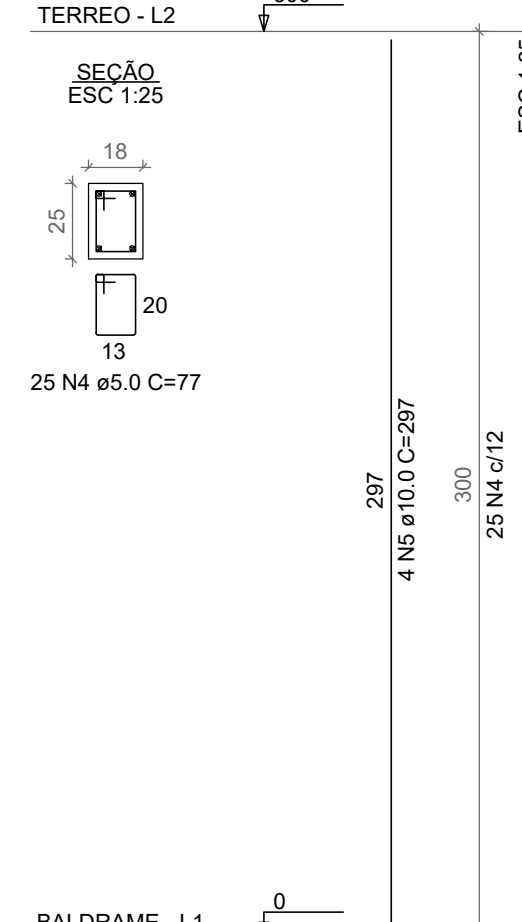
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P169



P170=P171=P172=P173=
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RELAÇÃO DO AÇO

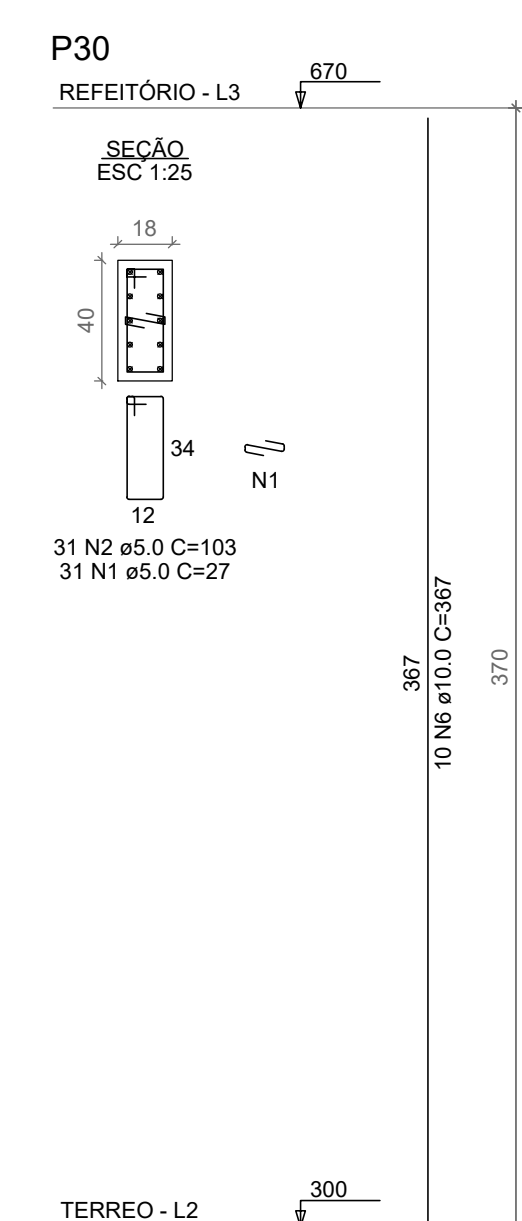
ACO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	250	77	19250
CA50	2	5.0	25	22	575
CA50	3	5.0	25	87	2175
CA50	4	10.0	66	297	19602

RESUMO DO AÇO

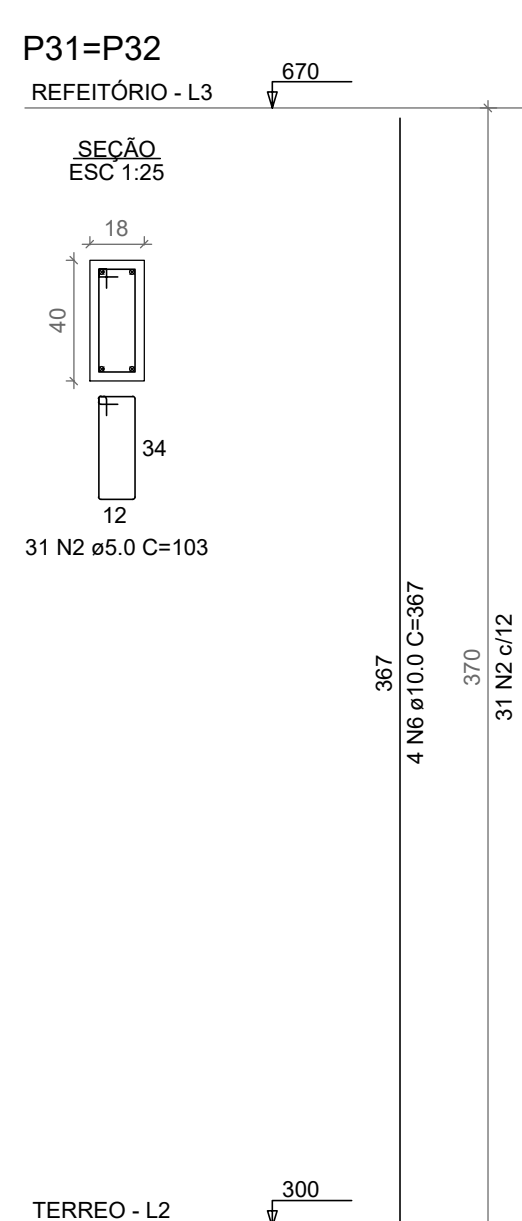
ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	196	132.9
CA50	5.0	316.3	53.6
PESO TOTAL (kg)			
CA50			132.9
CA50			53.6

Volume de concreto (C-25) = 1.98 m³
Área de forma = 41.98 m²

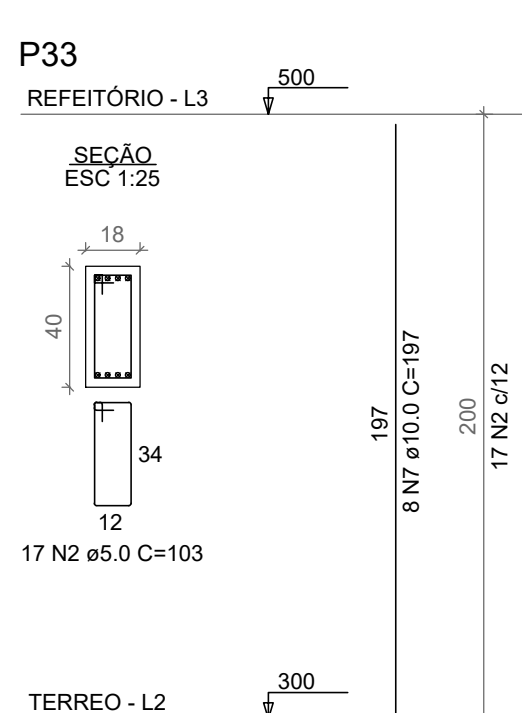
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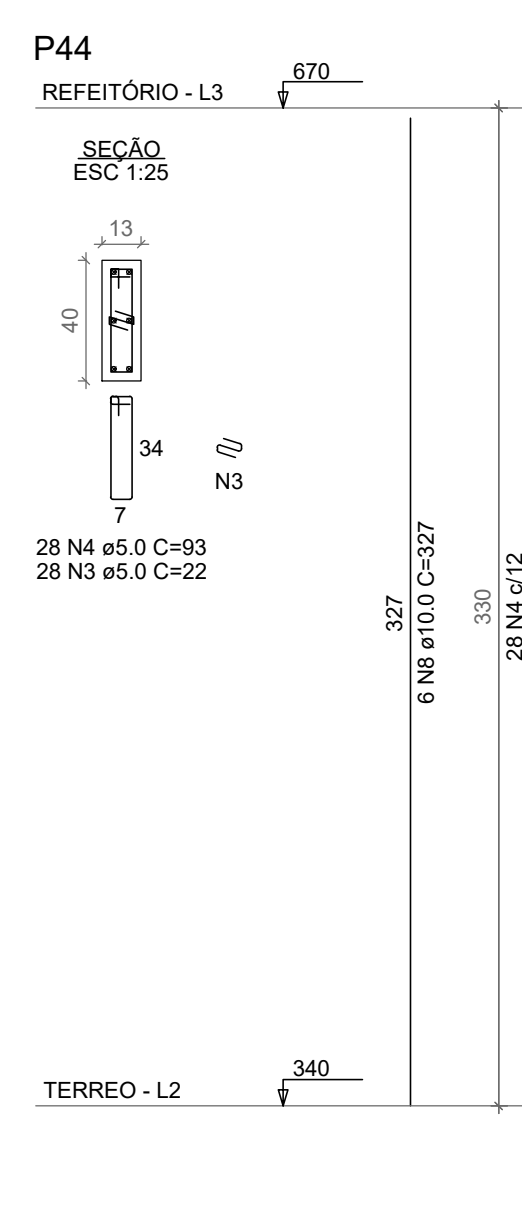
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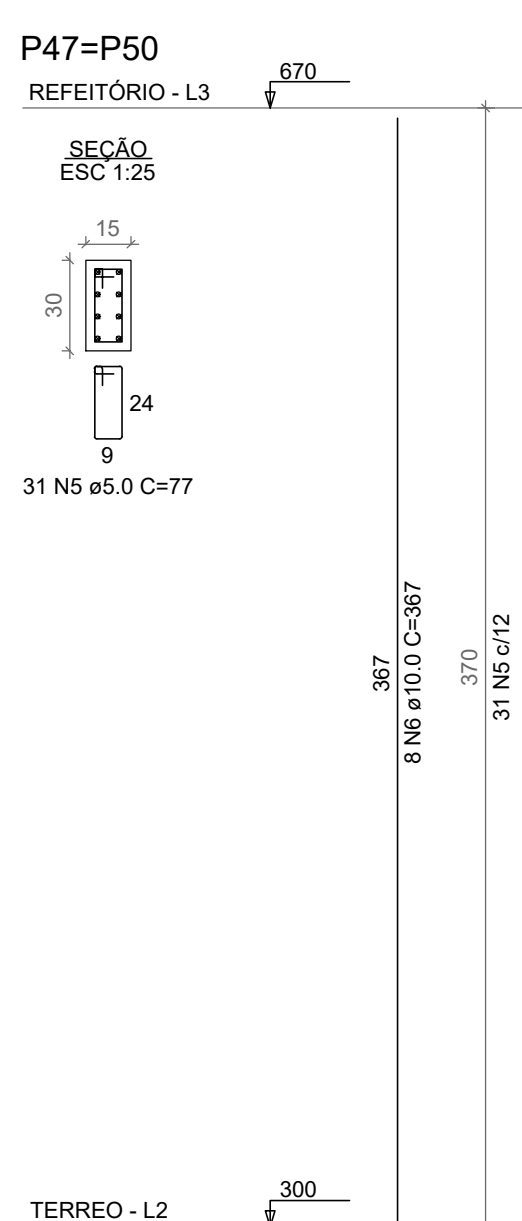
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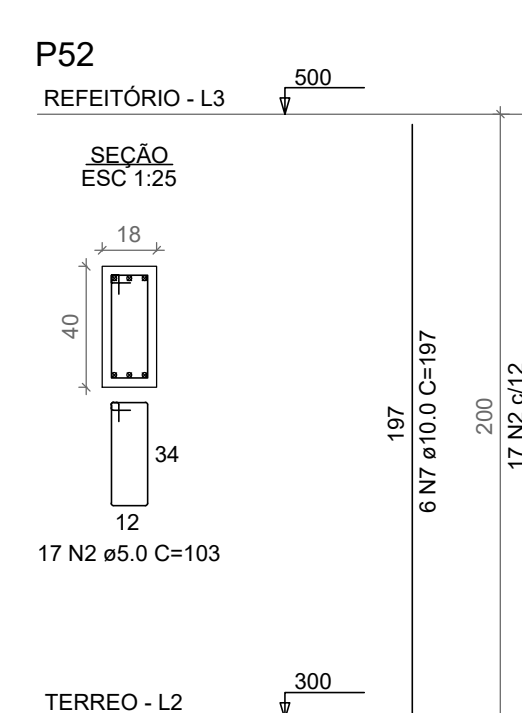
P44



P47=P50



P52



RELAÇÃO DO AÇO

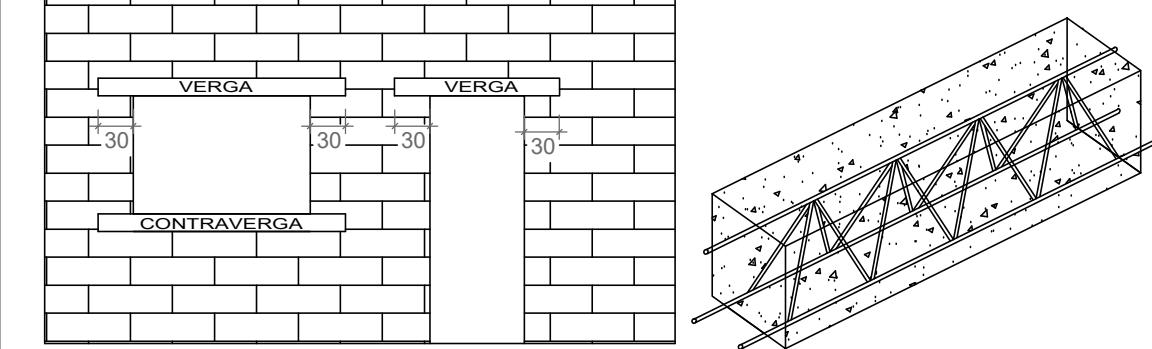
ACO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	31	27	837
CA50	2	5.0	127	103	13081
CA50	3	5.0	28	22	616
CA50	4	5.0	28	93	2604
CA50	5	5.0	62	77	4774
CA50	6	10.0	34	367	12478
CA50	7	10.0	14	187	2758
CA50	8	10.0	6	327	1962

RESUMO DO AÇO

ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	219.1	116.6
CA50	5.0	219.1	37.2
PESO TOTAL (kg)			
CA50			116.6
CA50			37.2

Volume de concreto (C-25) = 1.59 m³
Área de forma = 27.67 m²

-EXECUTAR VERGAS E CONTRAVERGAS EM
TODAS AS PORTAS E JANELAS COM TRELIÇA H8;



REVISÃO:	DATA:	MOTIVO:

PROJETO ESTRUTURAL	N. FOLHA	FOLHA N.
	19	10

ASSUNTO:
Detalhes das pilares do pavimento térreo e refeitório

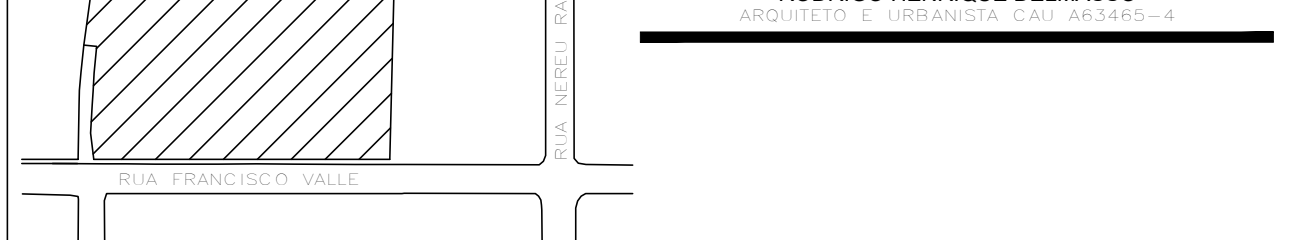
CENTRO MUNICIPAL DE EDUCAÇÃO INFANTIL PADRE ROSSI
LOCAL DA OBRA: RUA FRANCISCO VALLE, 170 – CENTRO – NOVA TRENTO / SC

FEVEREIRO DE 2022

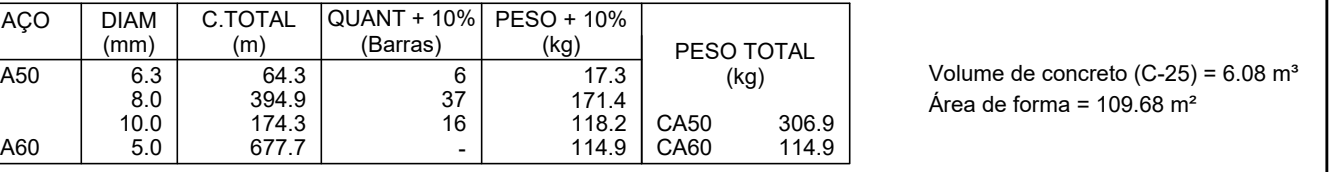
Proprietário:
PREFEITURA MUNICIPAL DE NOVA TRENTO

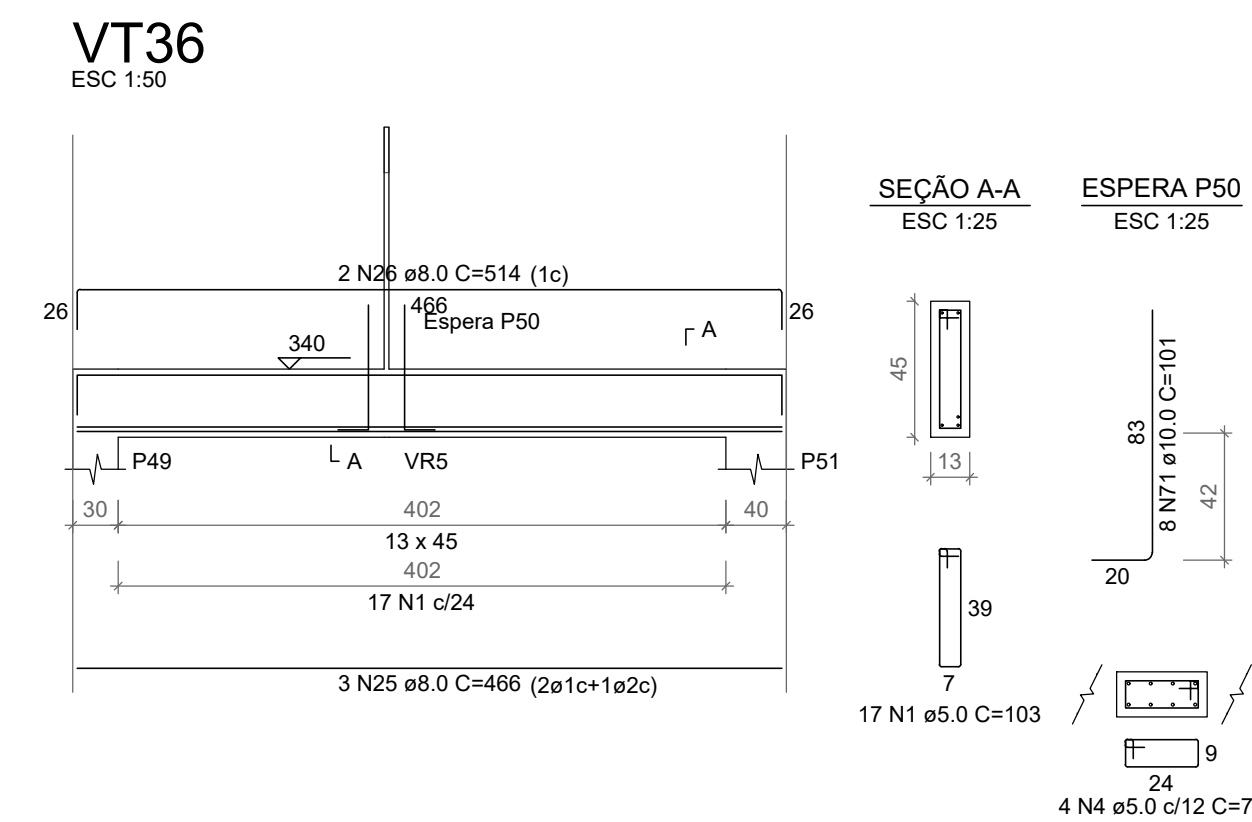
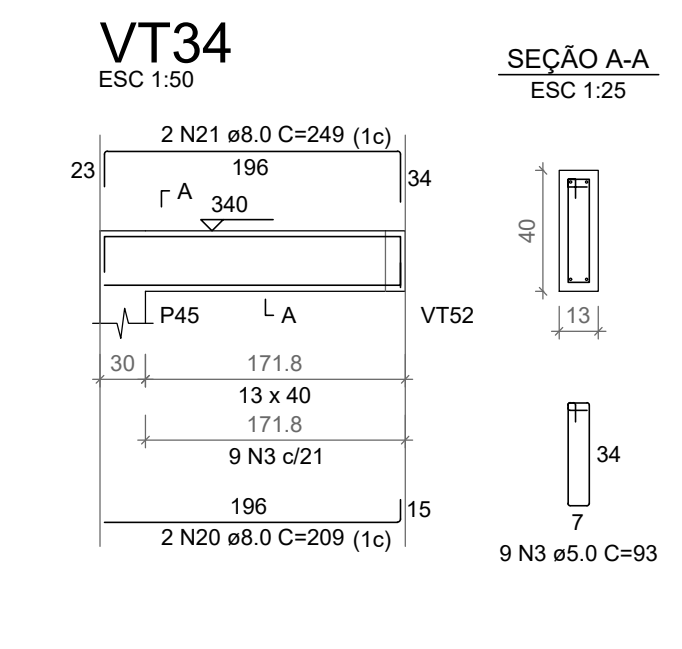
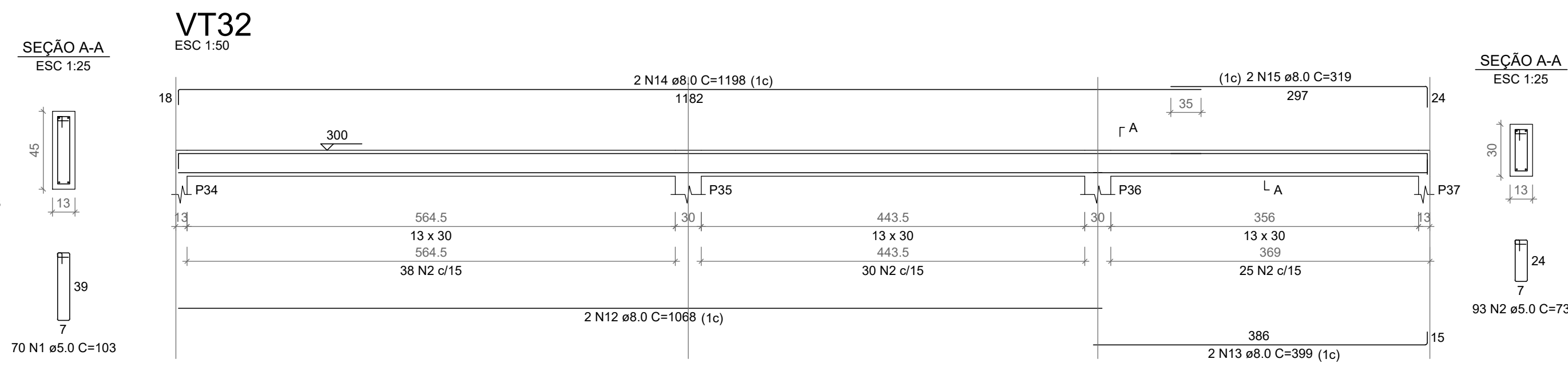
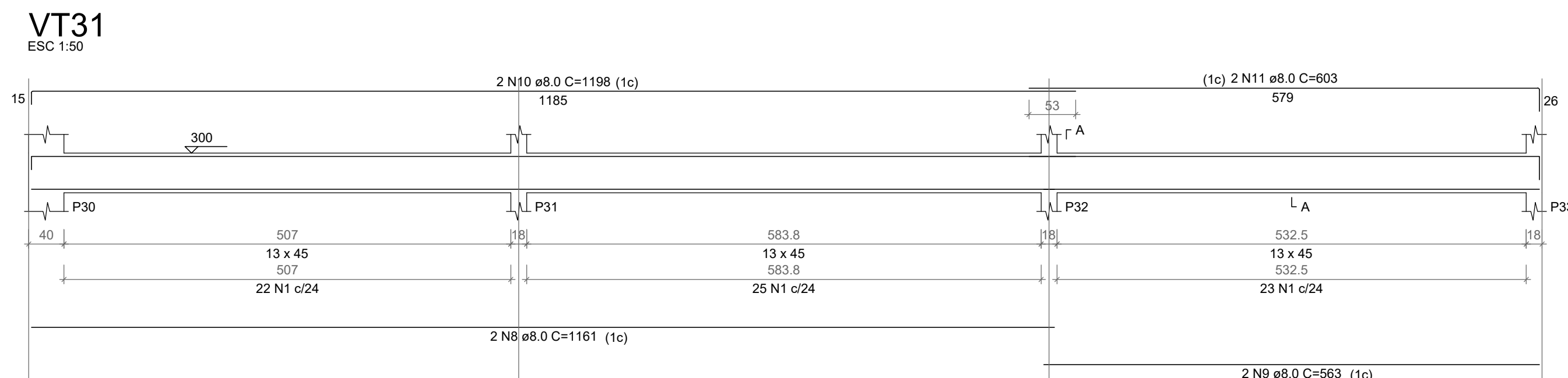
ÁREAS	Proprietário:
TERRENO	4,068,90 m2
A CONSTRUIR	2132,20 m2
PAV. TERREO	6,42 m2
CAIXA D'ÁGUA	2,84 m2
GLP	2,141,46 m2

SITUAÇÃO ESQUEMÁTICA



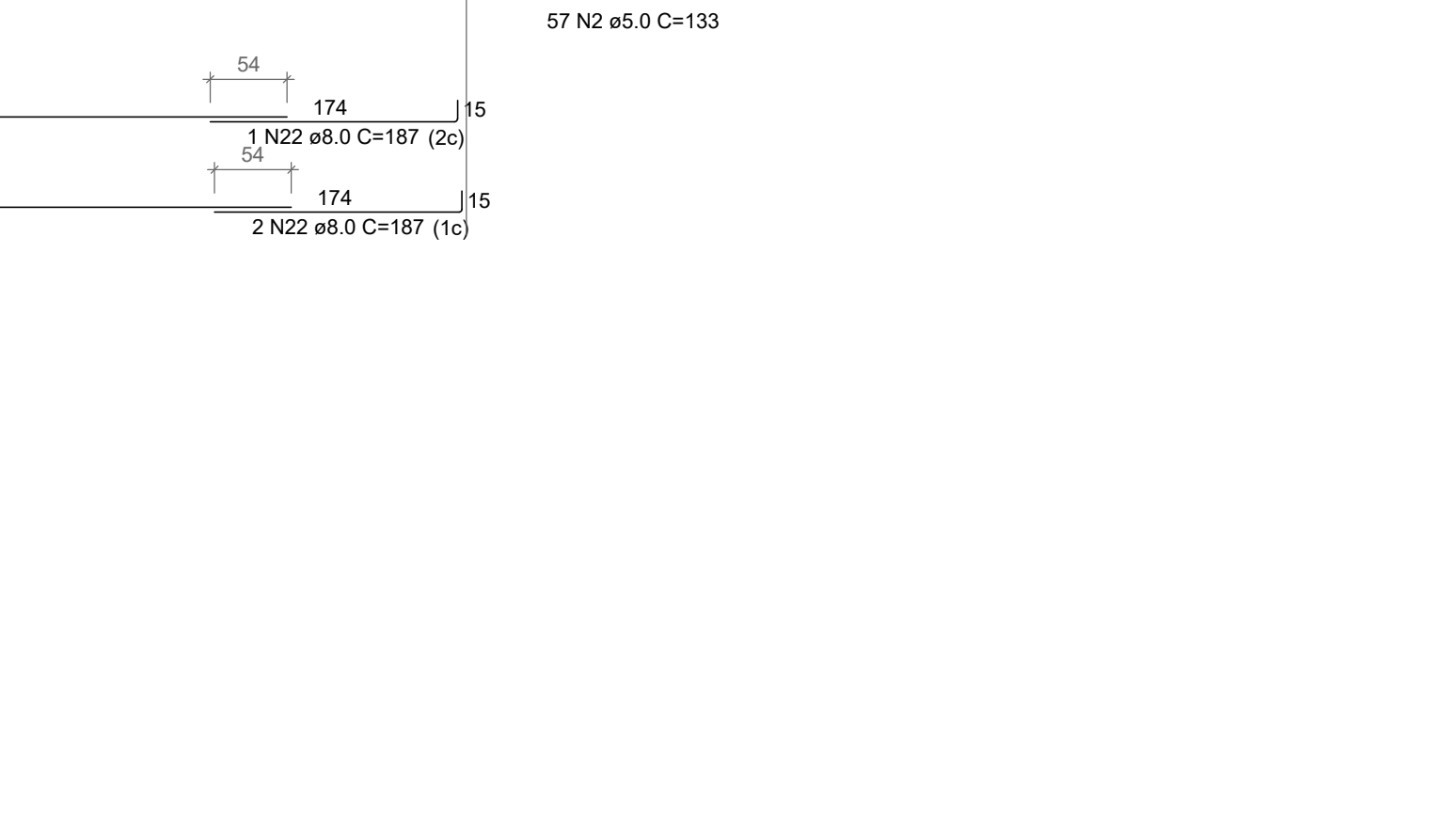
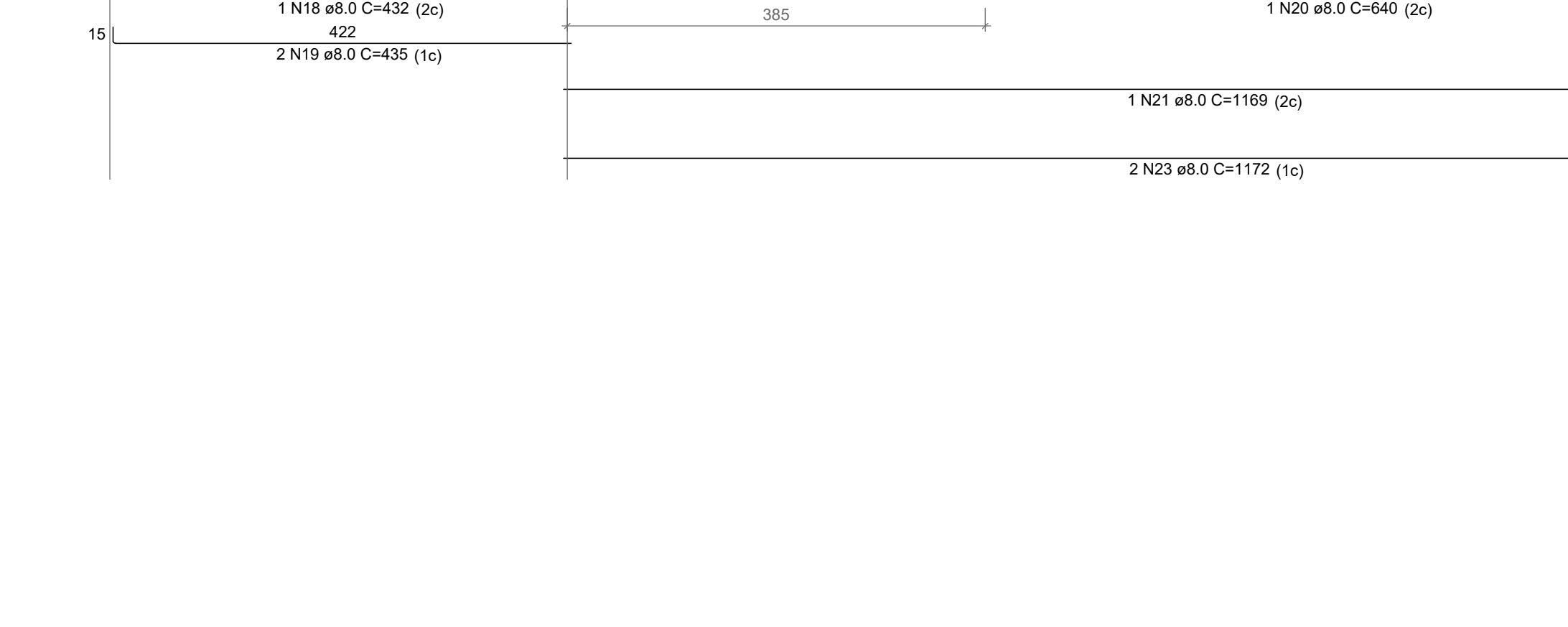
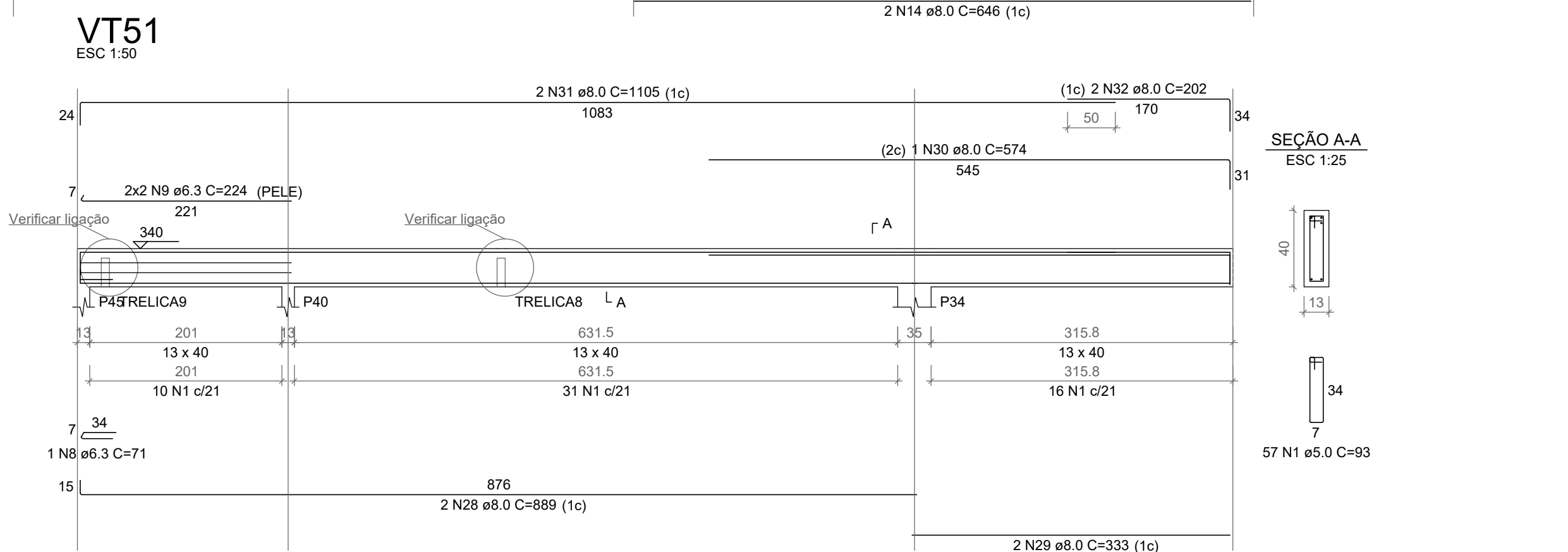
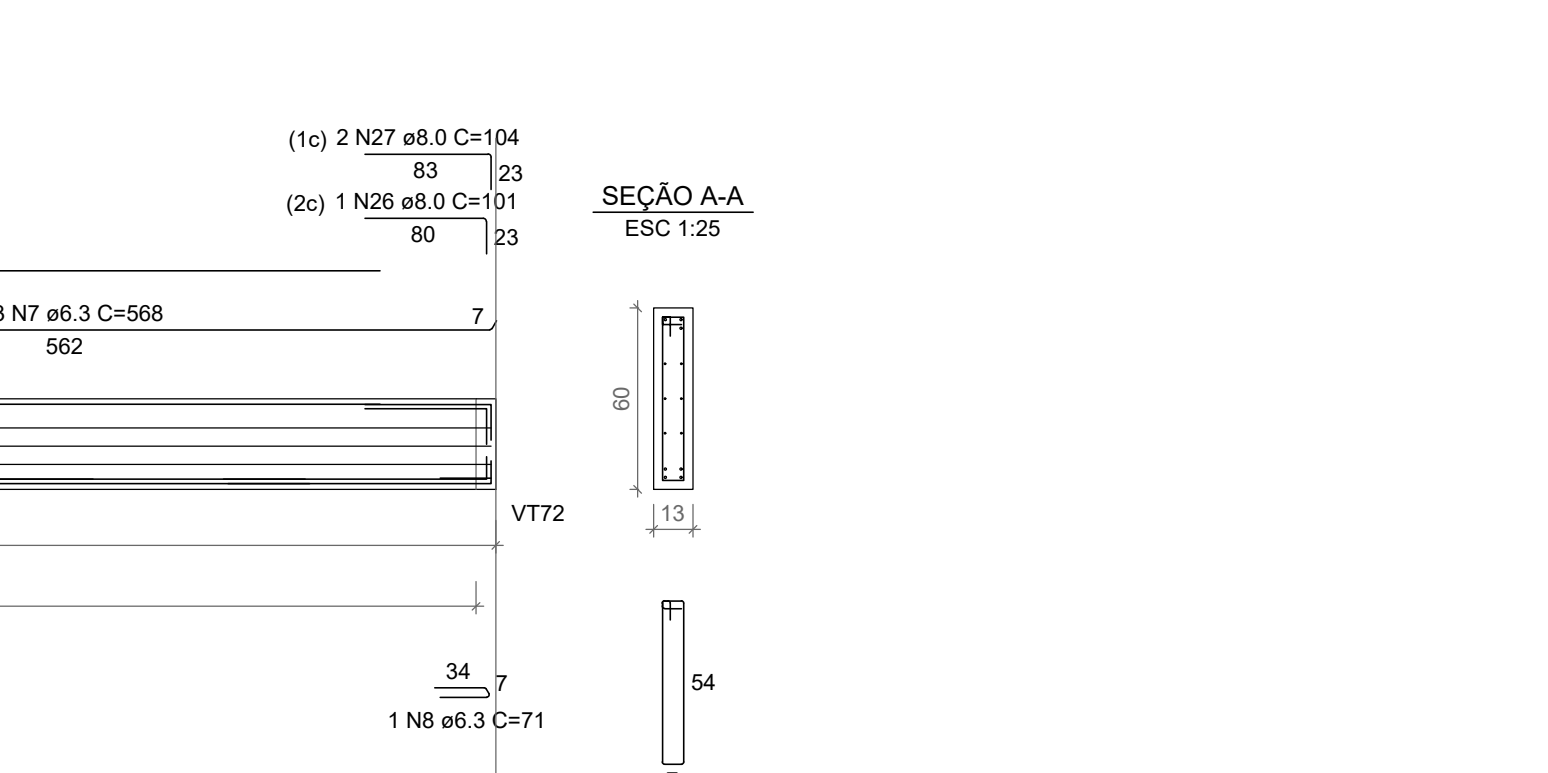
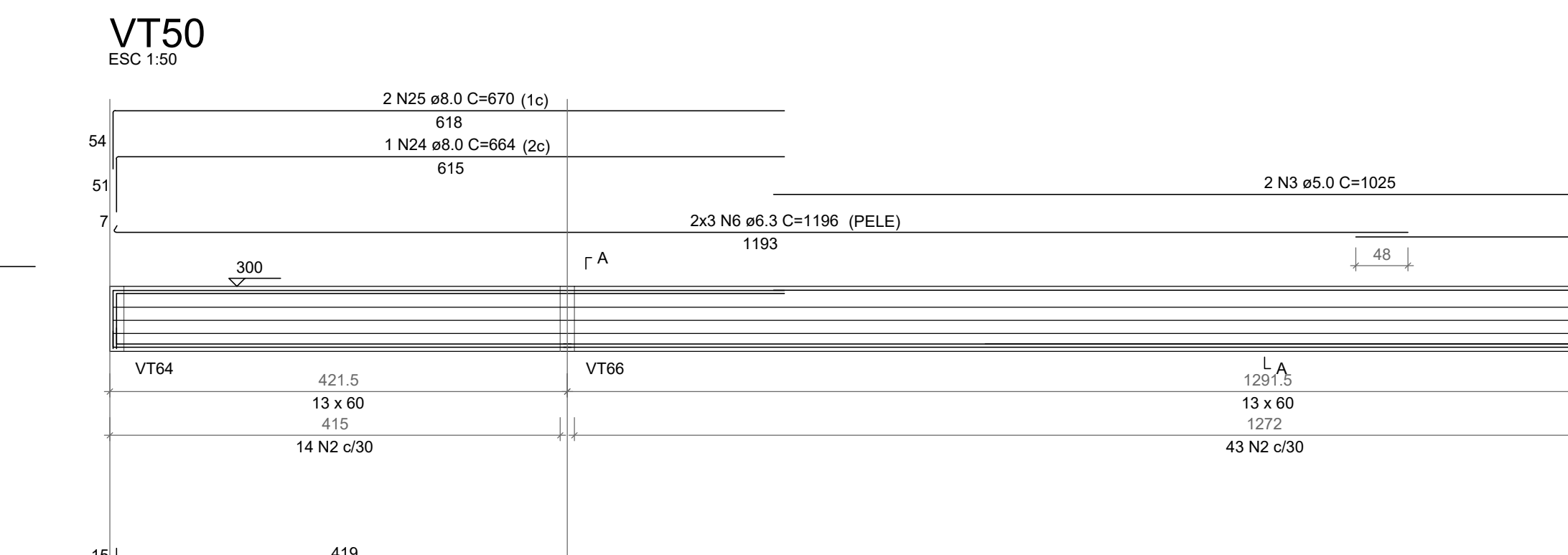
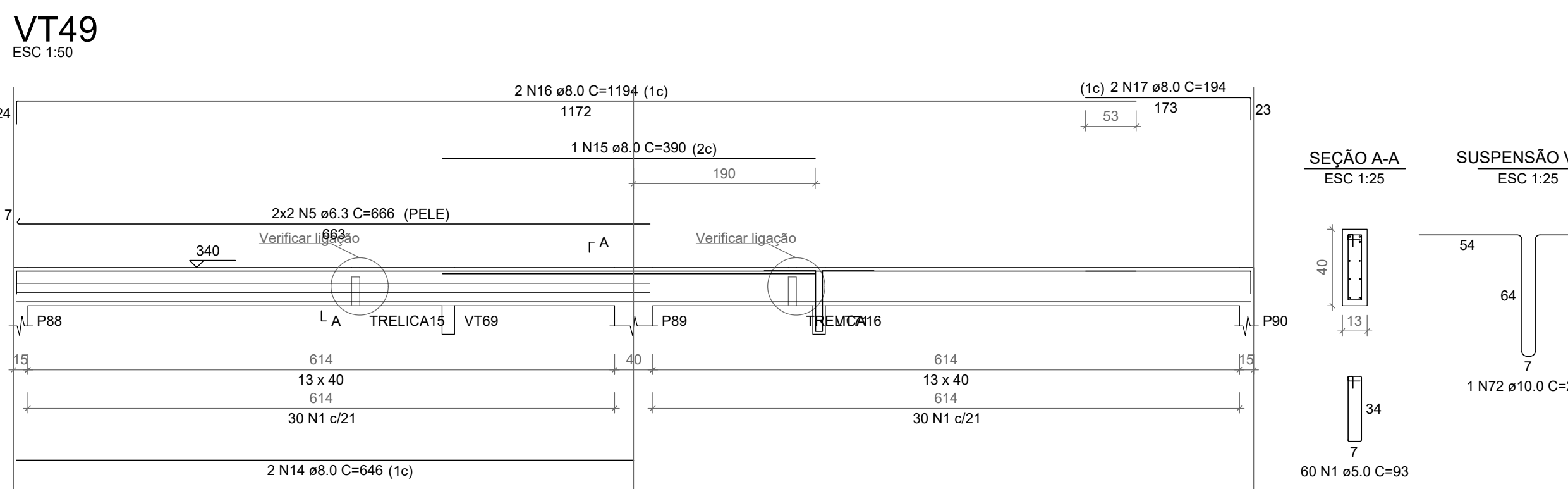
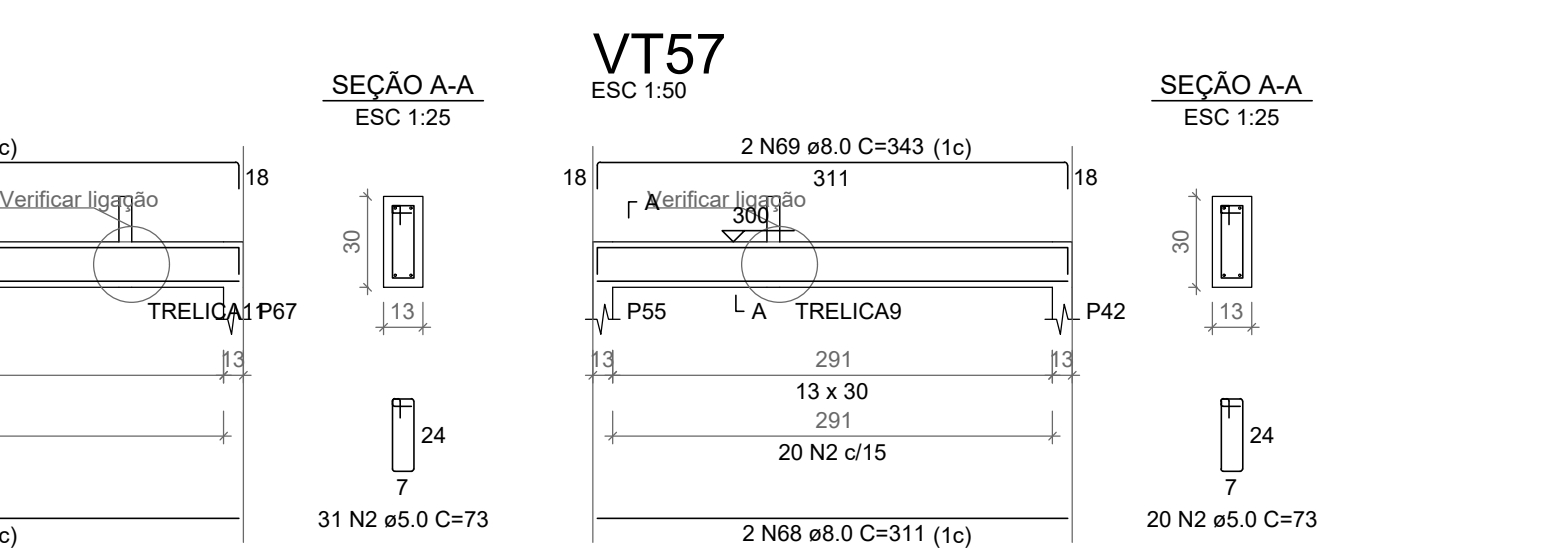
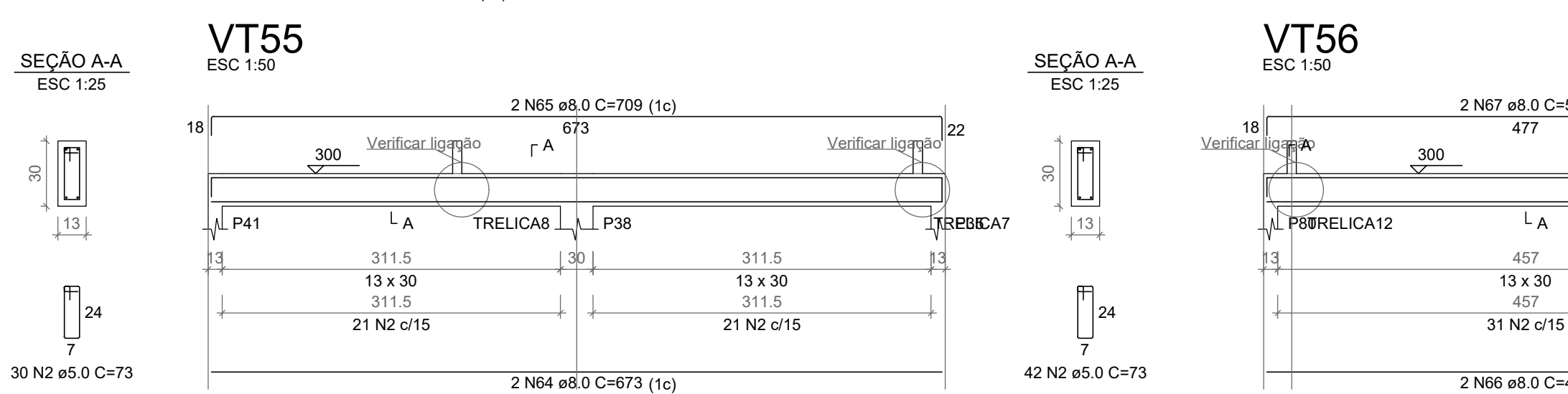
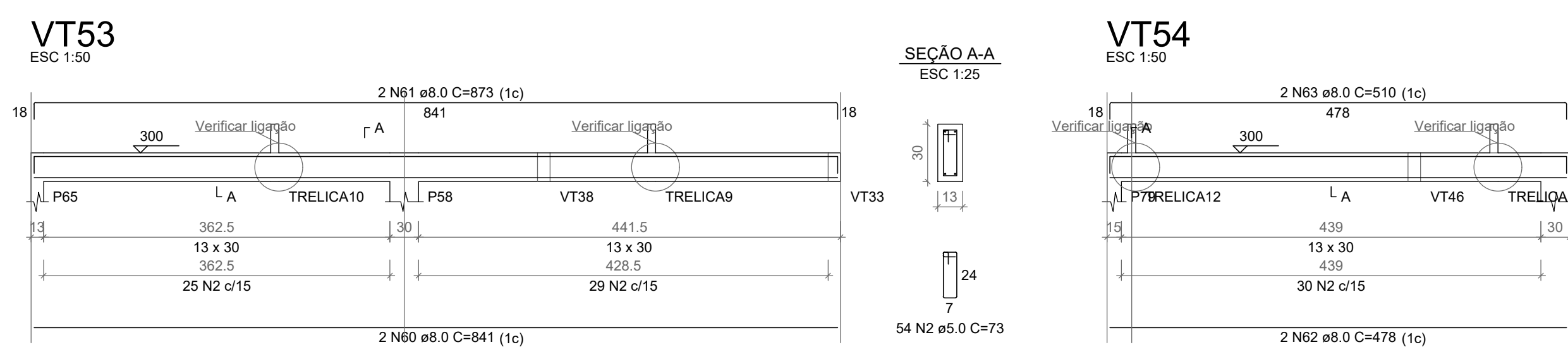
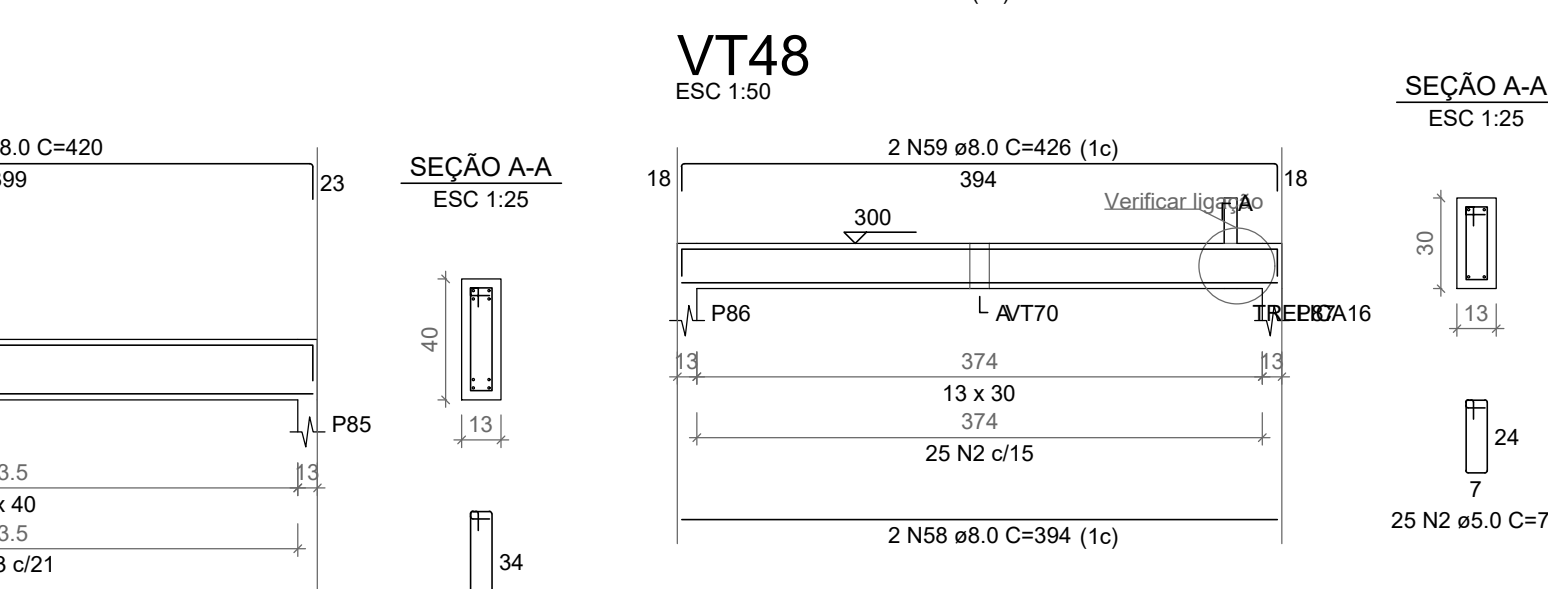
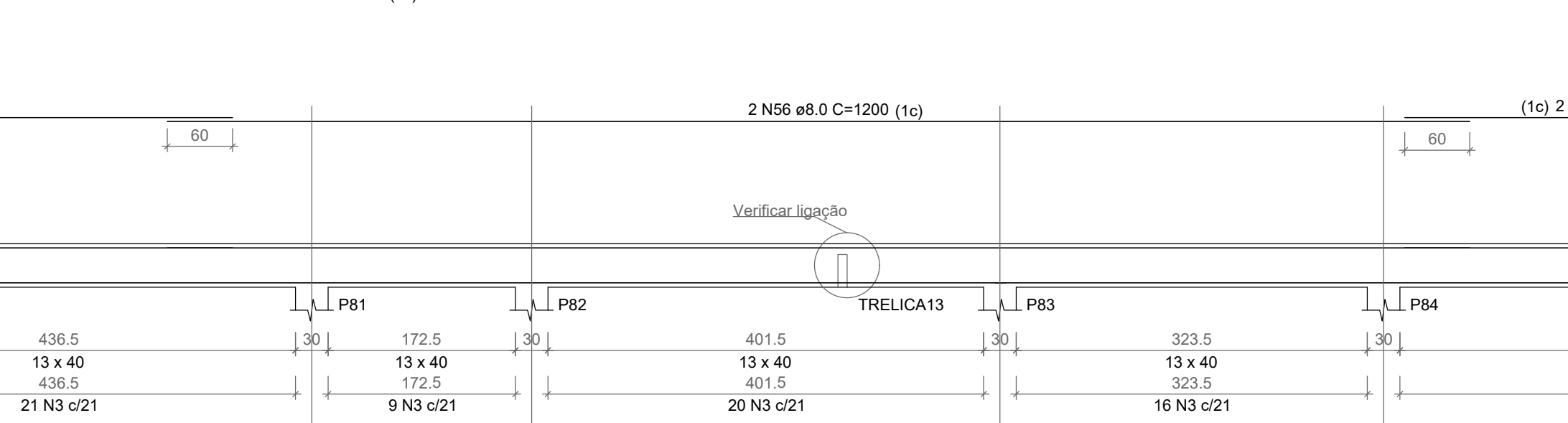
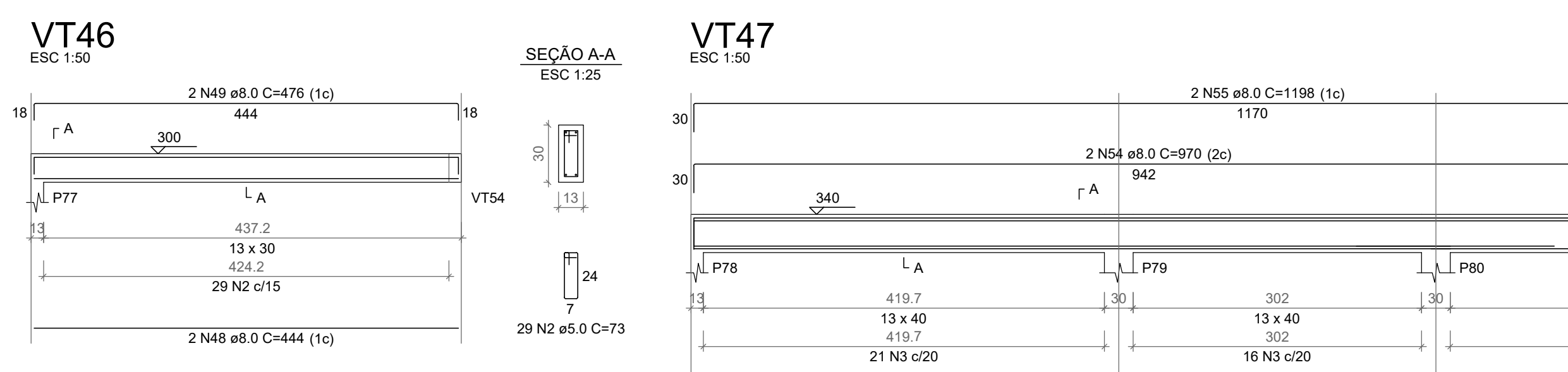
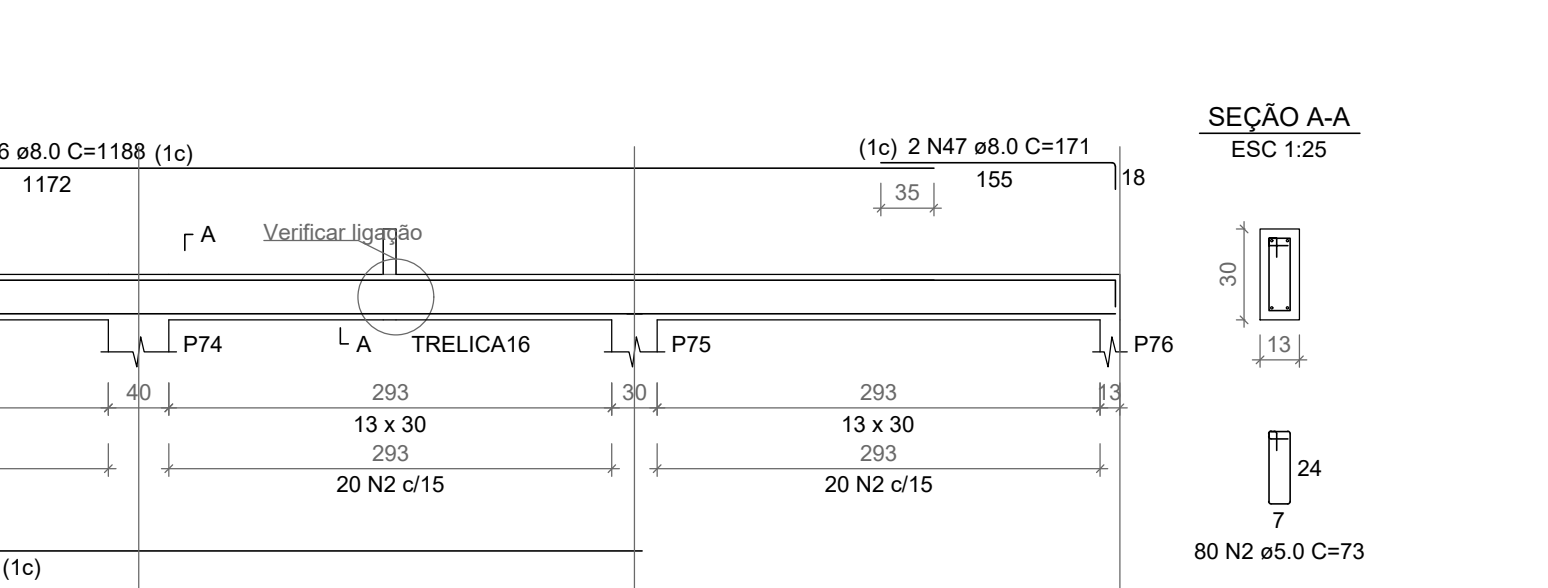
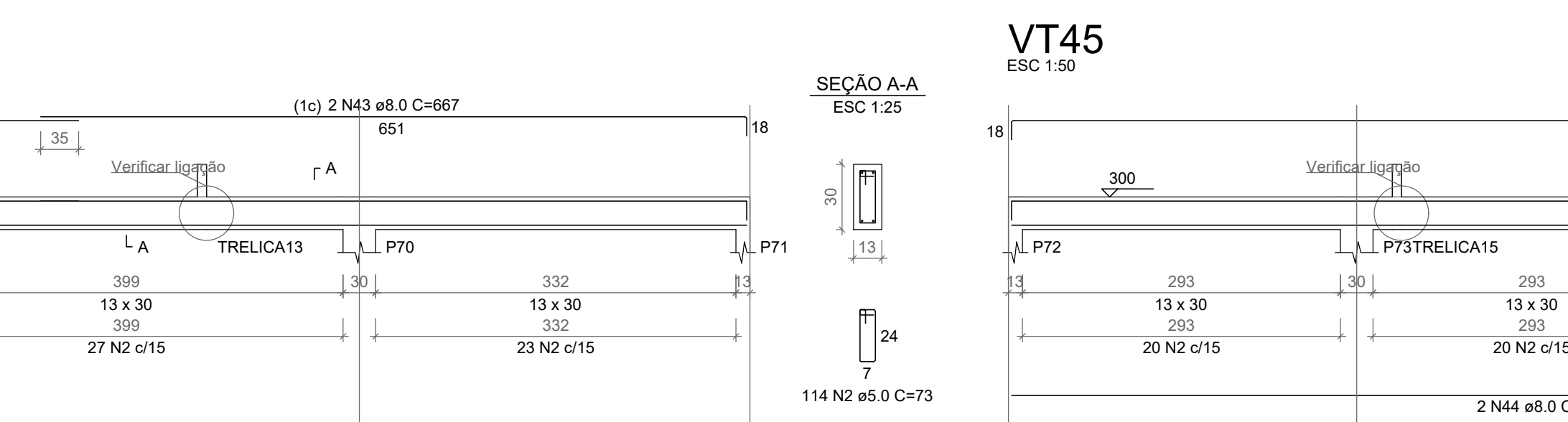
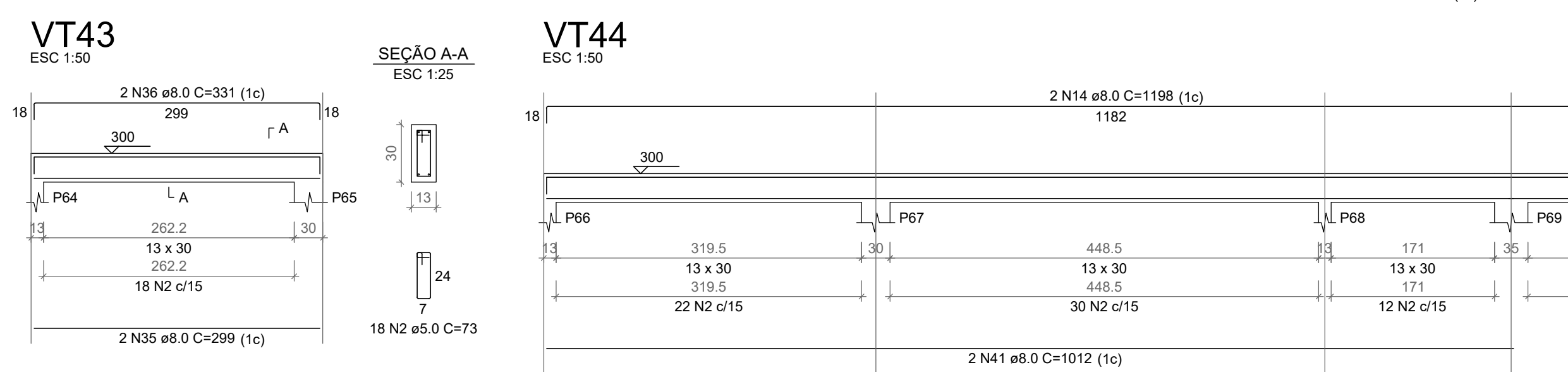
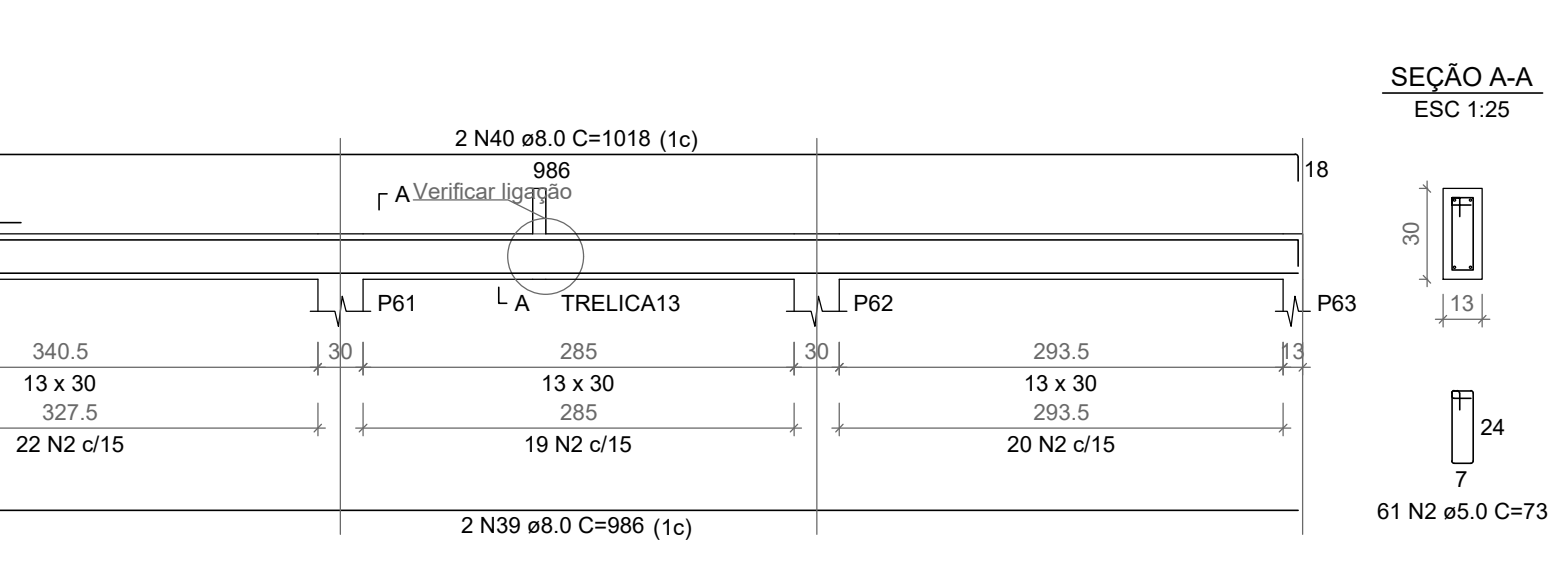
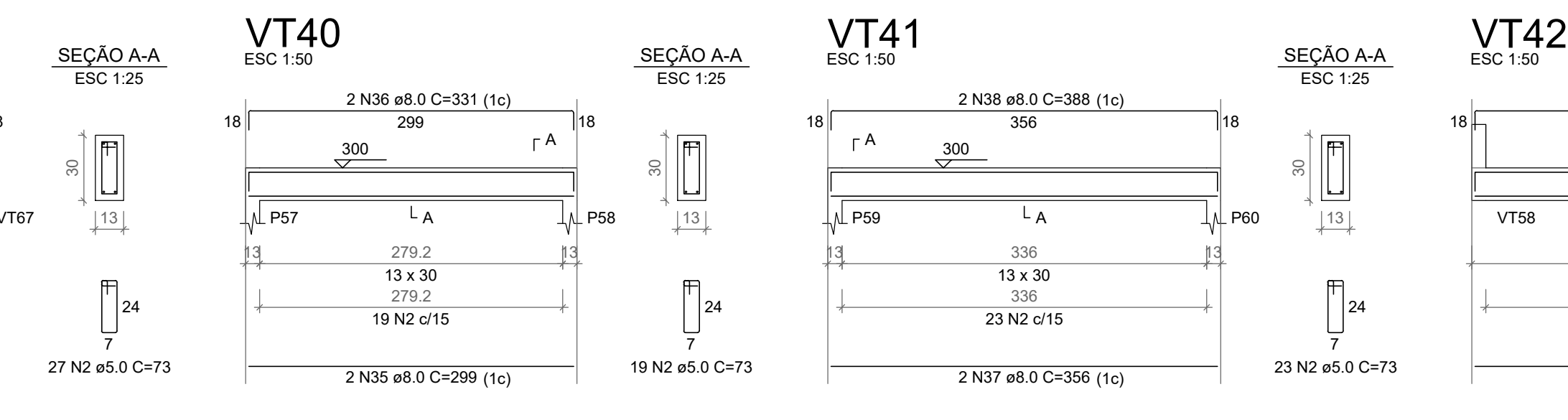
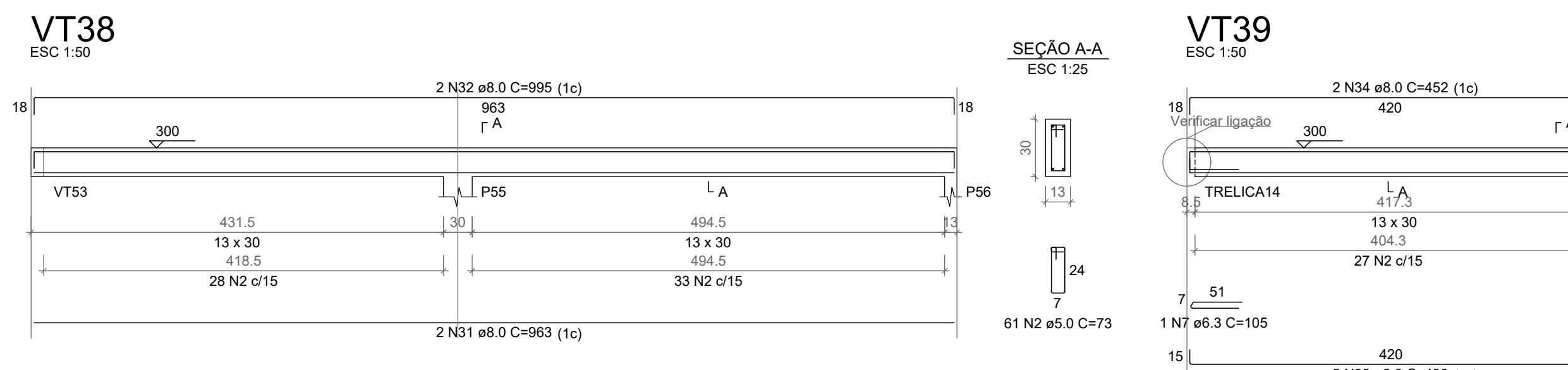
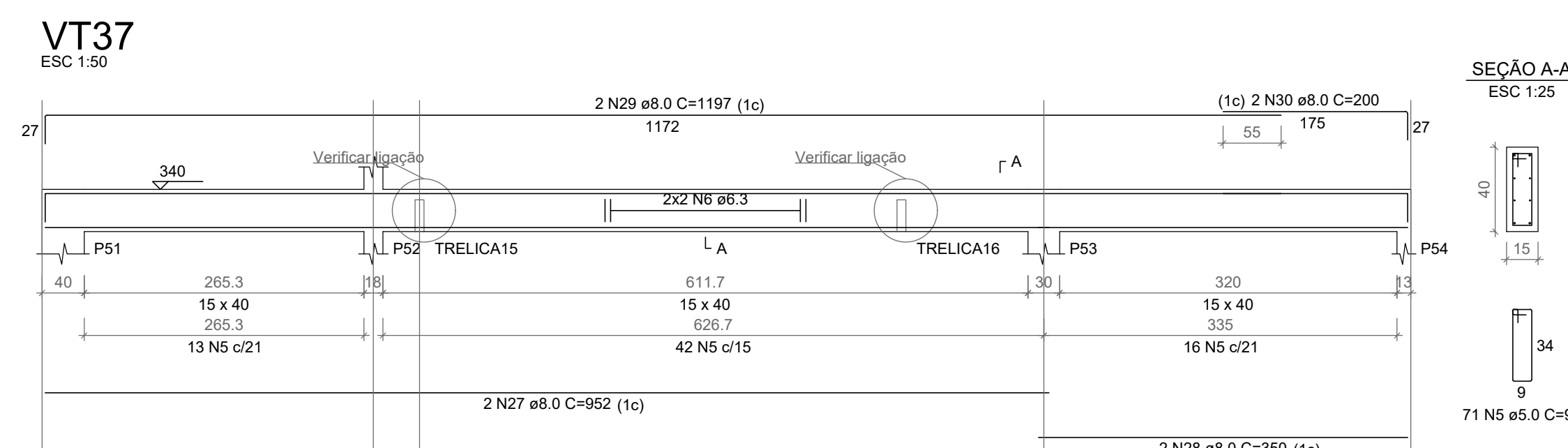
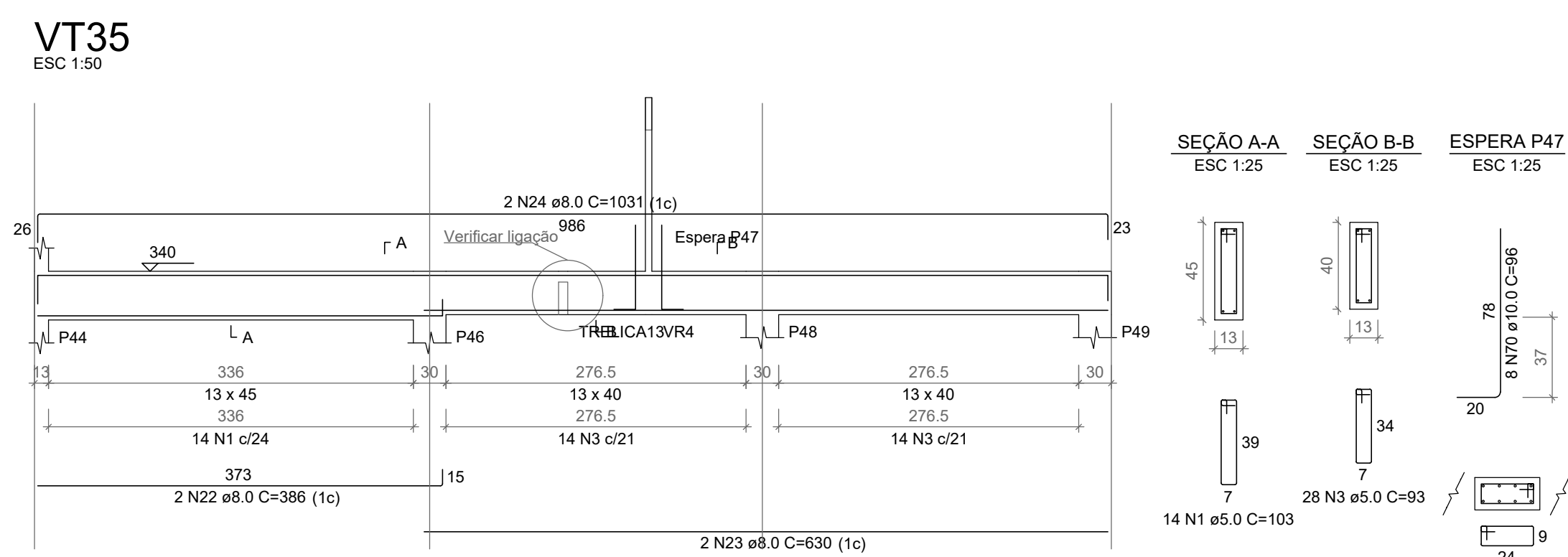
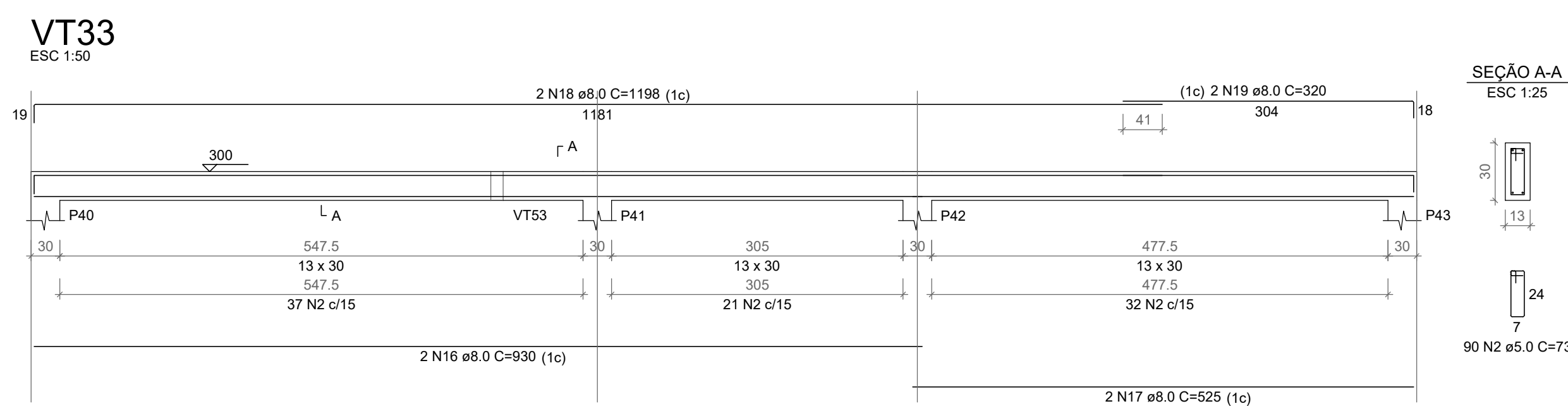
Observações



[illegible]

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	27.2	7.3
	8.0	880.2	382
	10.0	15.8	10.7
CA60	5.0	923.2	156.5
PESO TOTAL (kg)			
CA50	400.1		
CA60	156.5		

Volume de concreto (C-25) = 9.16 m³
 Área de forma = 166.03 m²



REVISÃO:	DATA:	MOTIVO:

PROJETO ESTRUTURAL		N. FOLHAS: 19	FOLHA N.º: 12
ASSUNTO: Vigas do pavimento térreo (VT31 até VT51)			

CENTRO MUNICIPAL DE EDUCAÇÃO INFANTIL PADRE ROSSI
LOCAL DA OBRA: RUA FRANCISCO VALLE, 170 – CENTRO – NOVA TRENTO / SC

FEVEREIRO DE 2022

Proprietário:		PREFEITURA MUNICIPAL DE NOVA TRENTO	
ÁREAS		Proprietário:	
TERRENO	4,068,90 m2		
A. CONSTRUIR			
PAV. TERREO	213,20 m2	PREFEITURA MUNICIPAL DE NOVA TRENTO	
CAIXA D'ÁGUA	6,42 m2	www.novarento.org.br	
GLP	2,84 m2	Projeto:	
	2.141,46 m2		

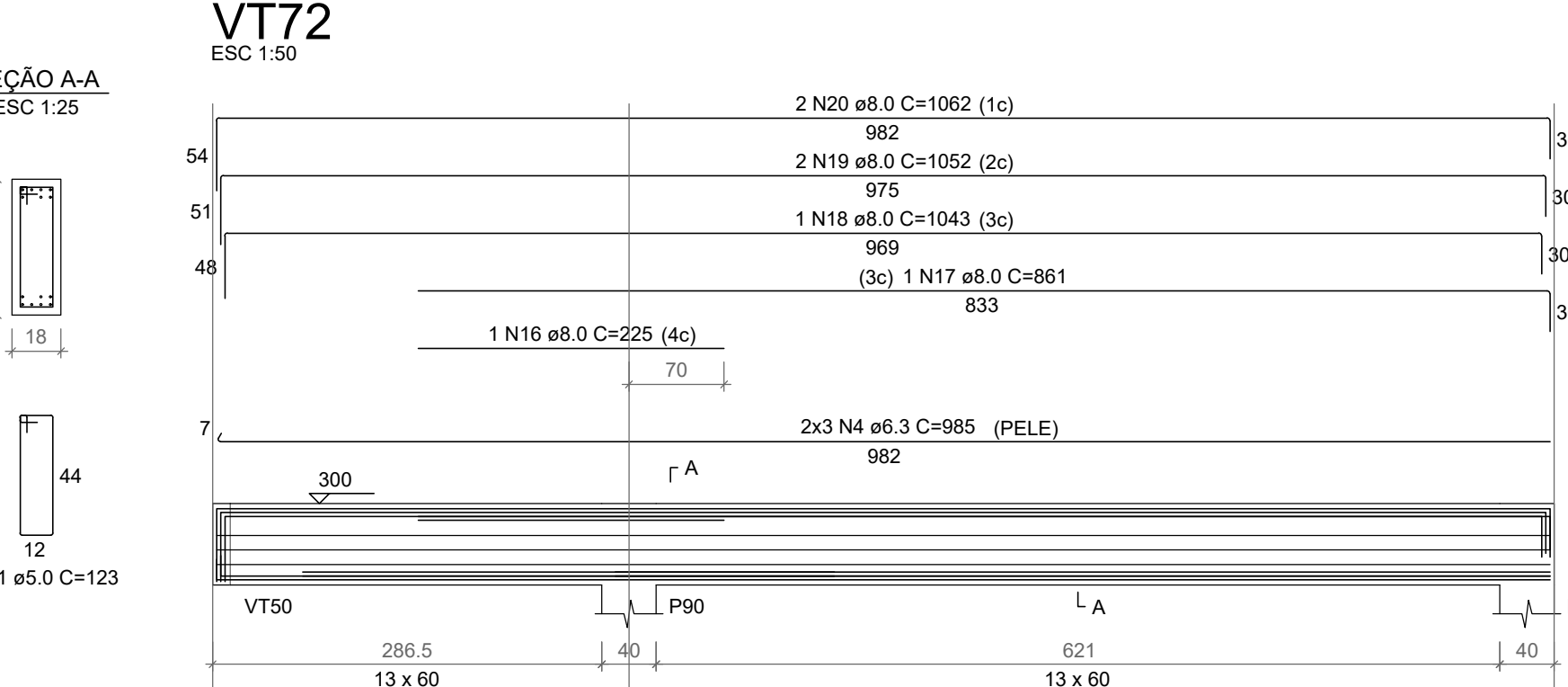
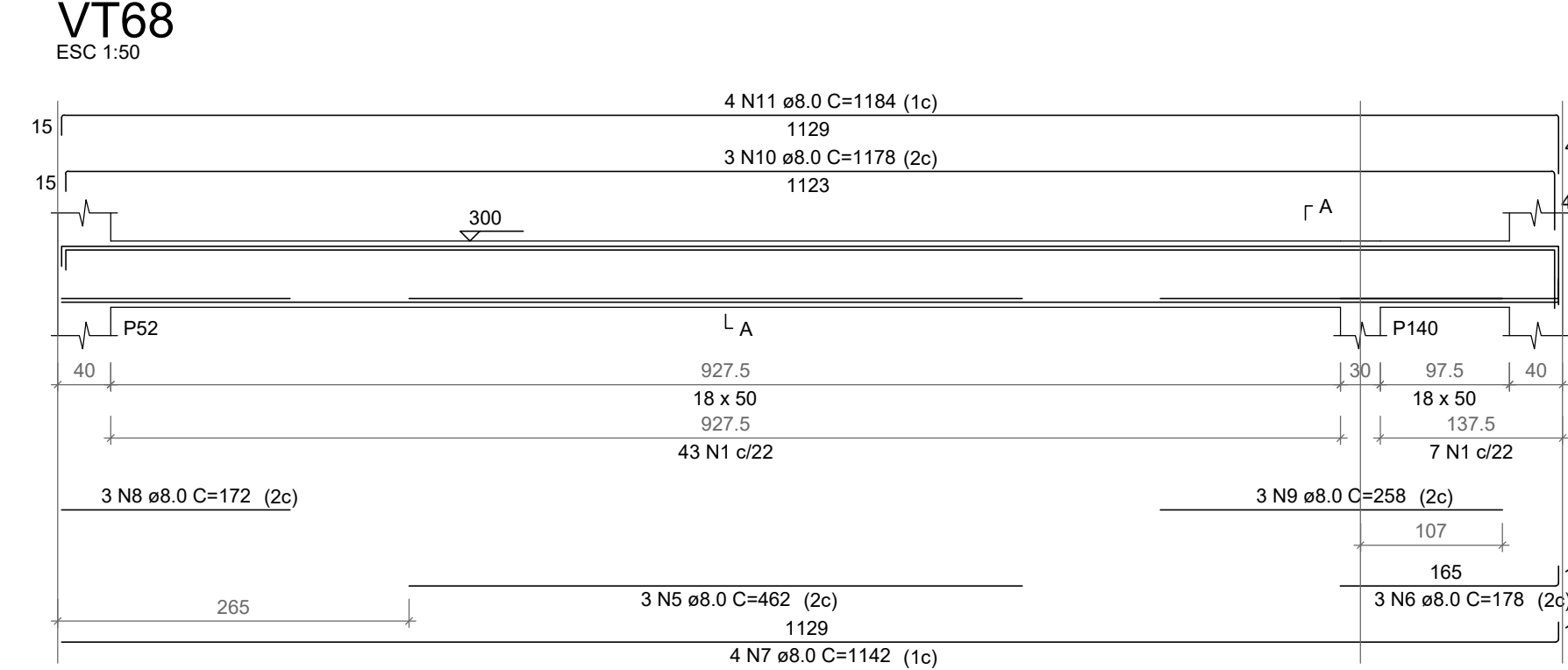
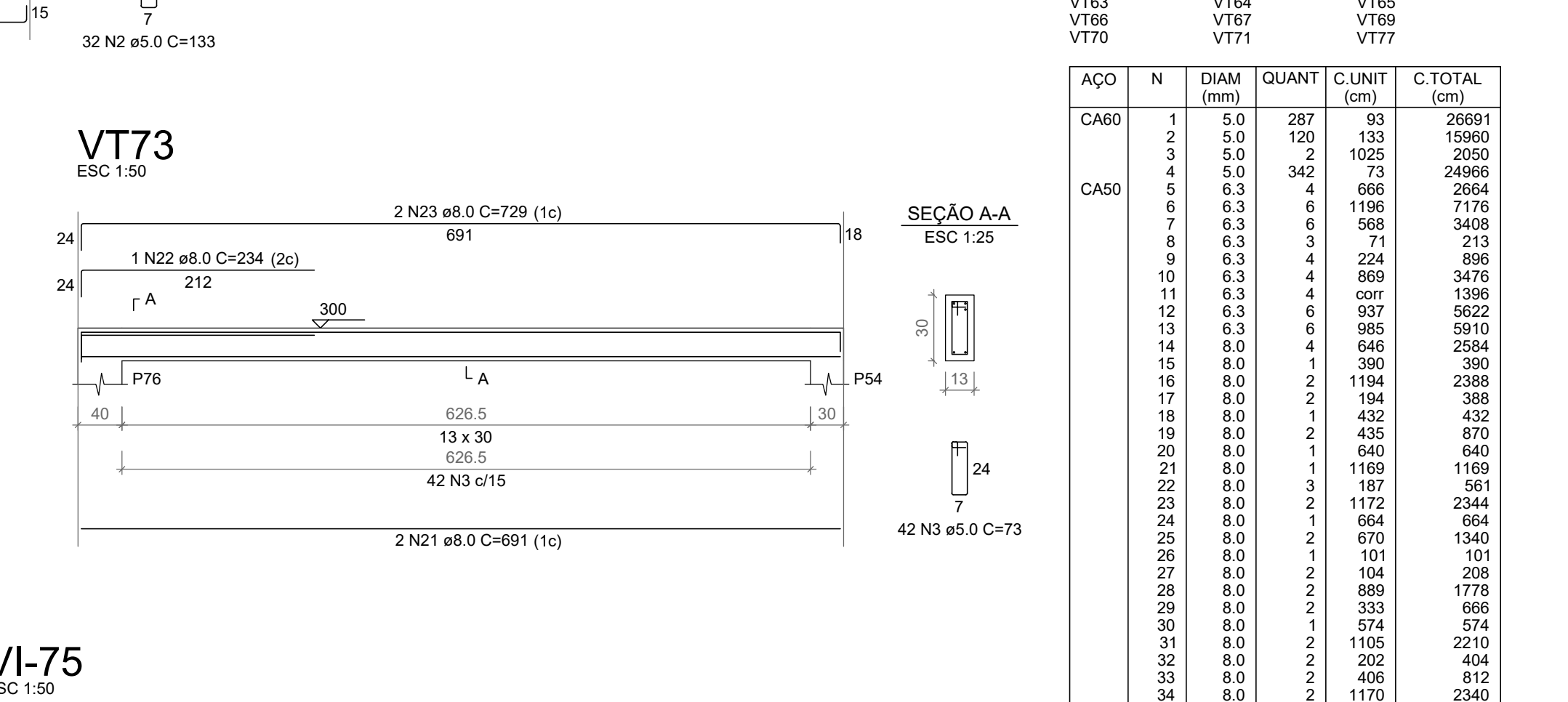
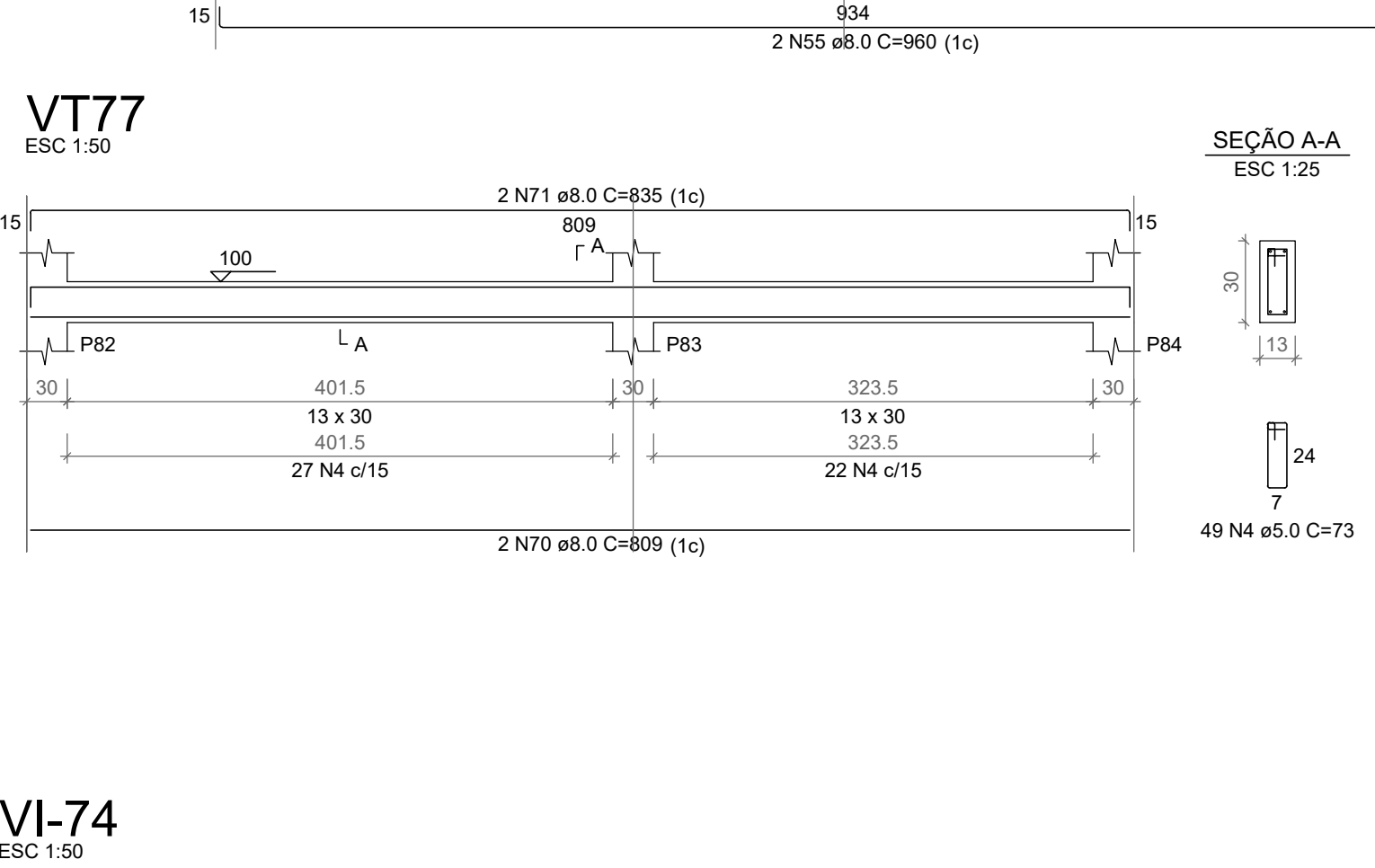
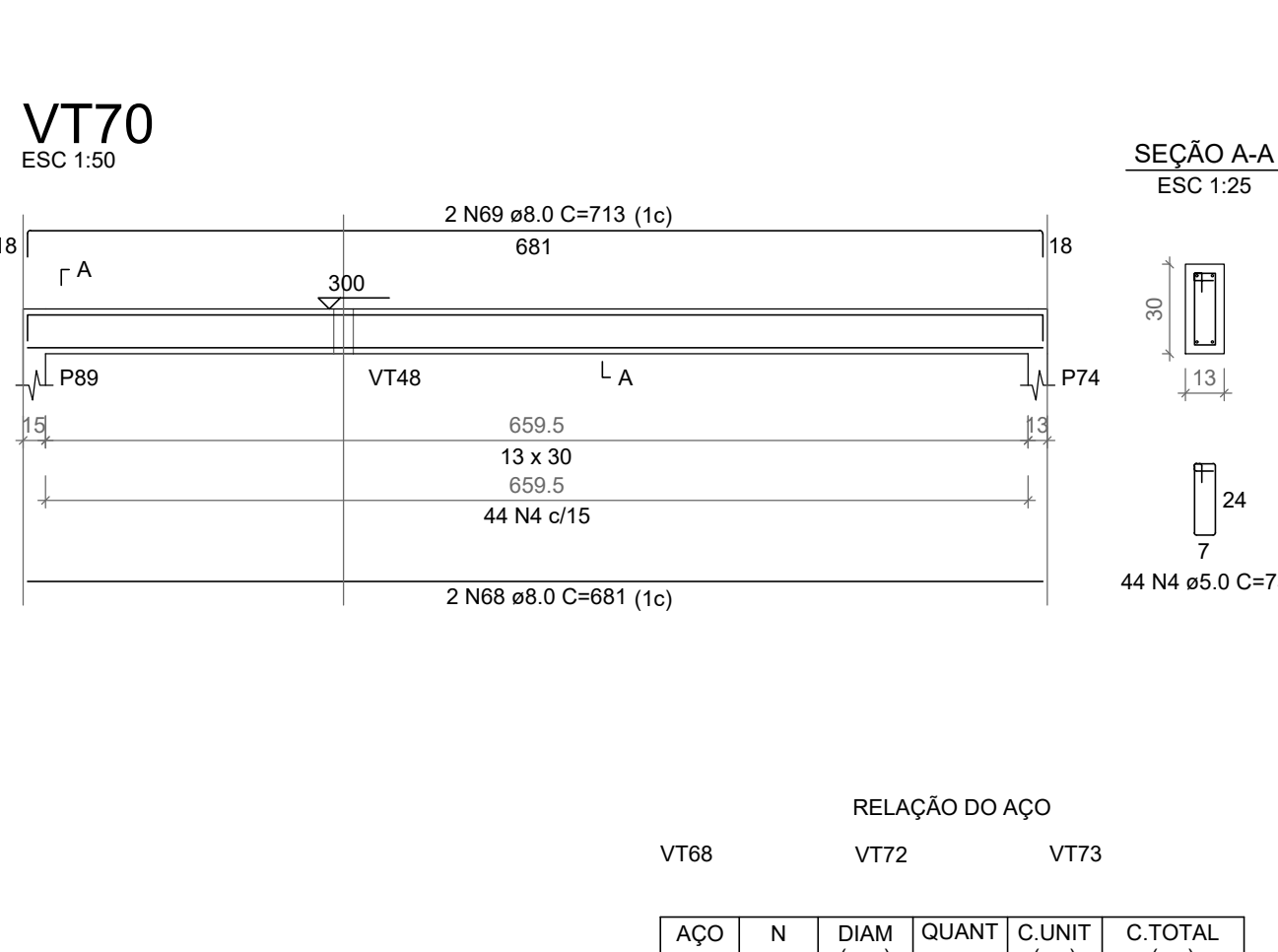
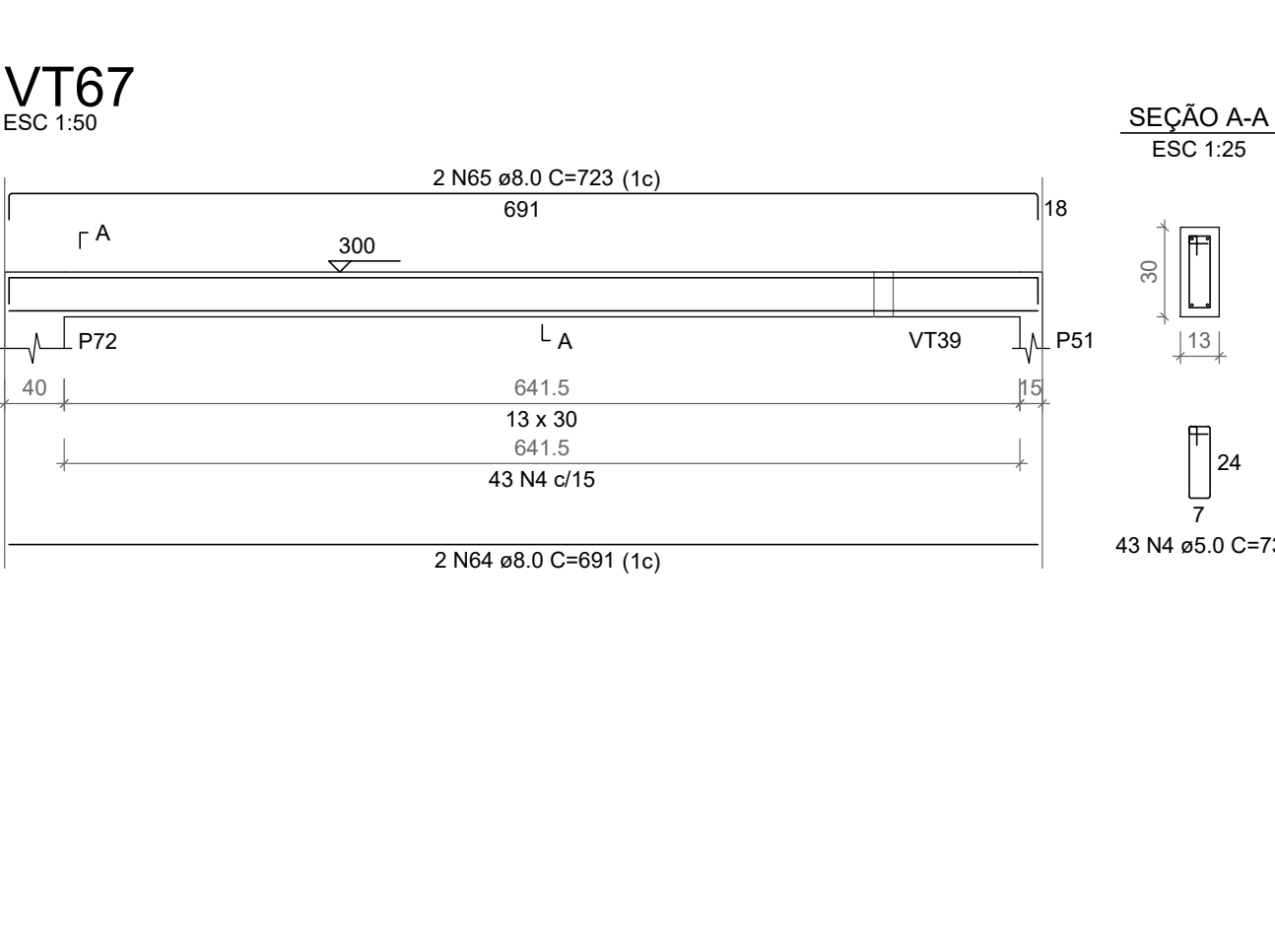
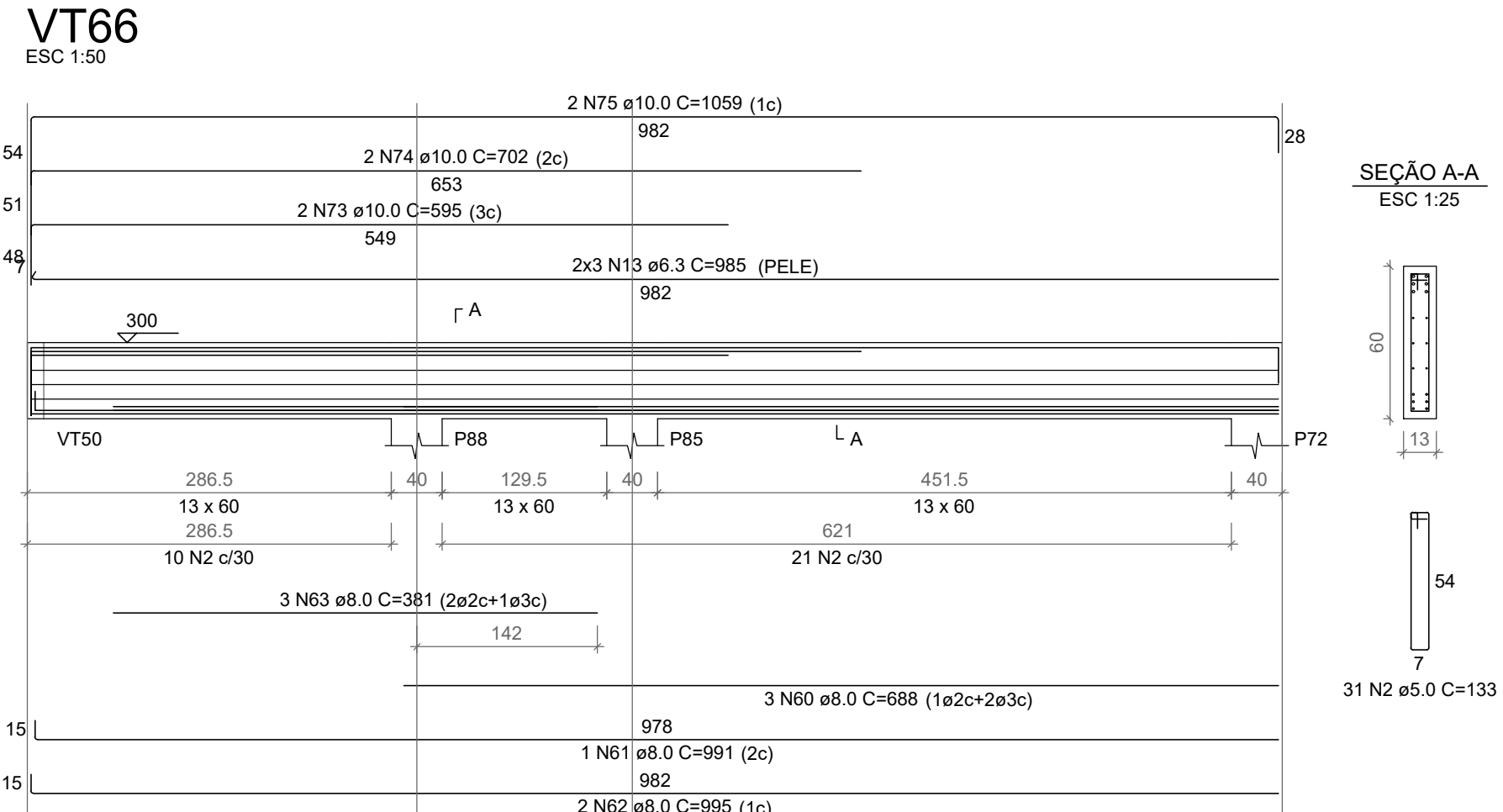
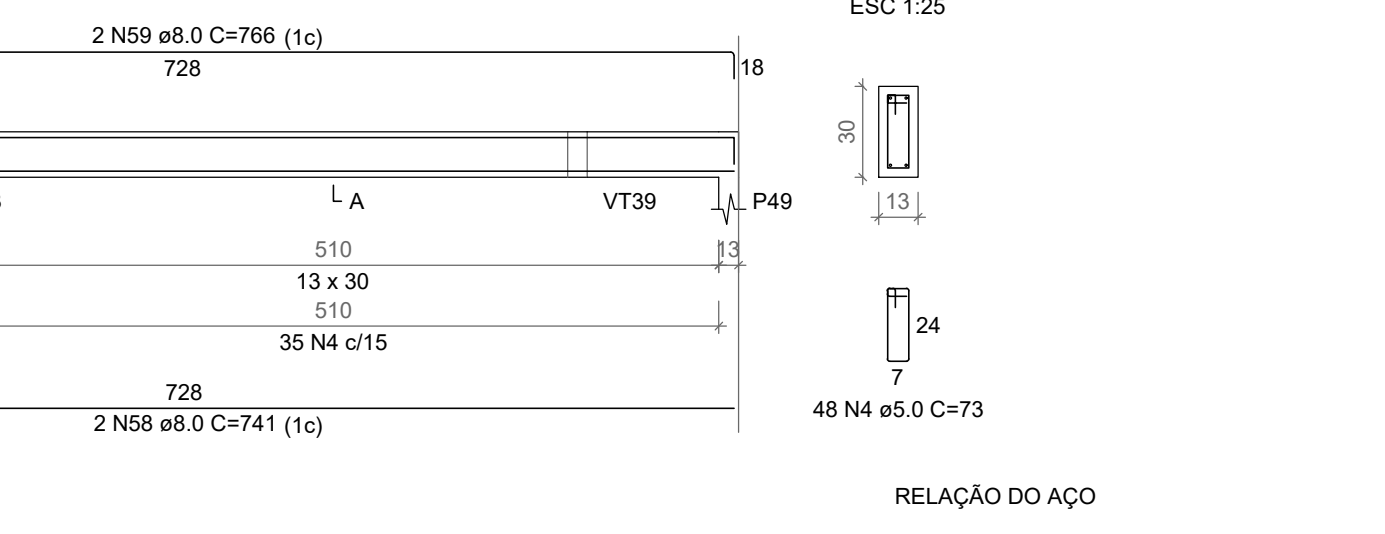
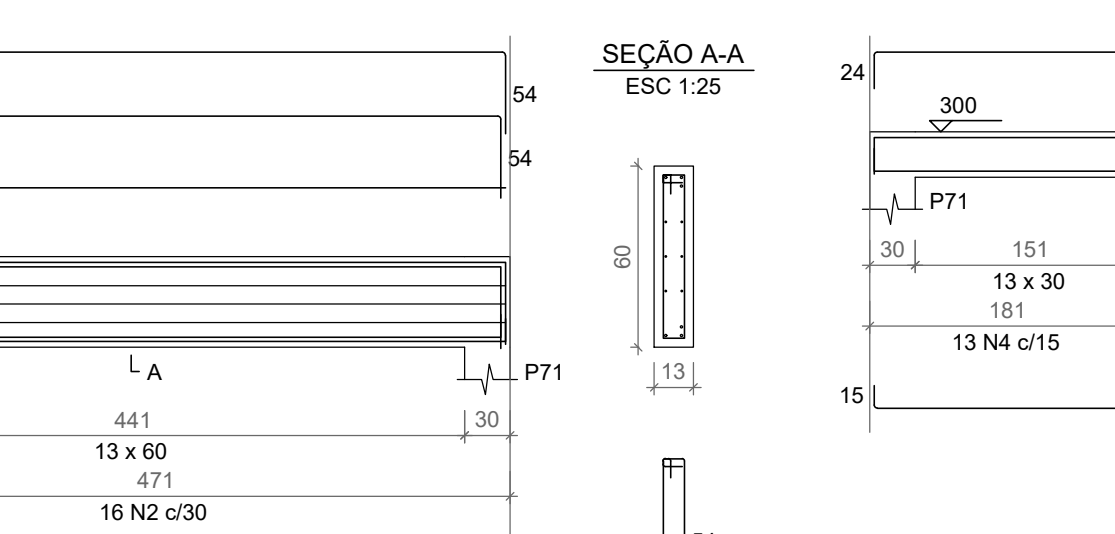
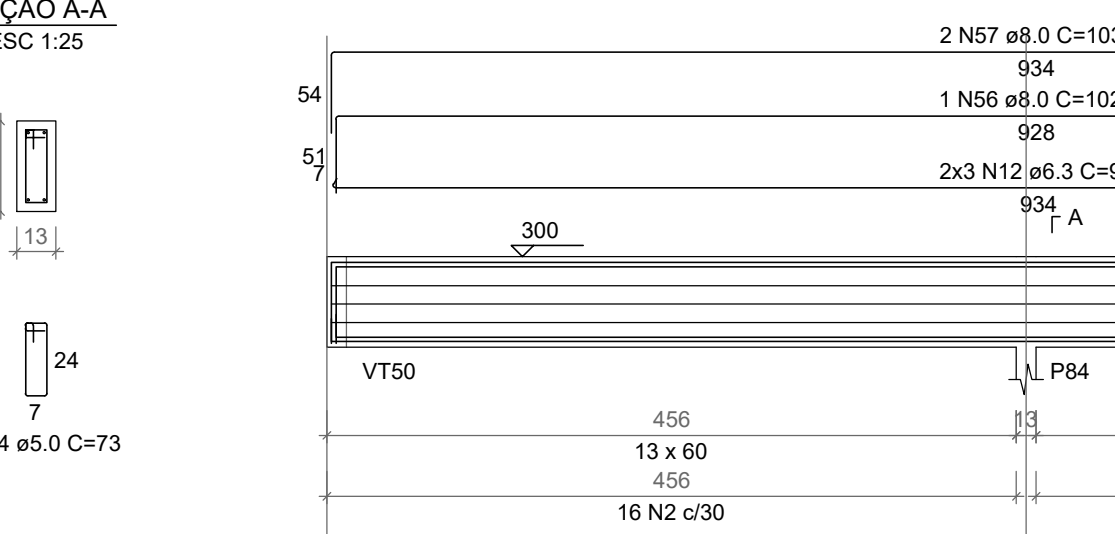
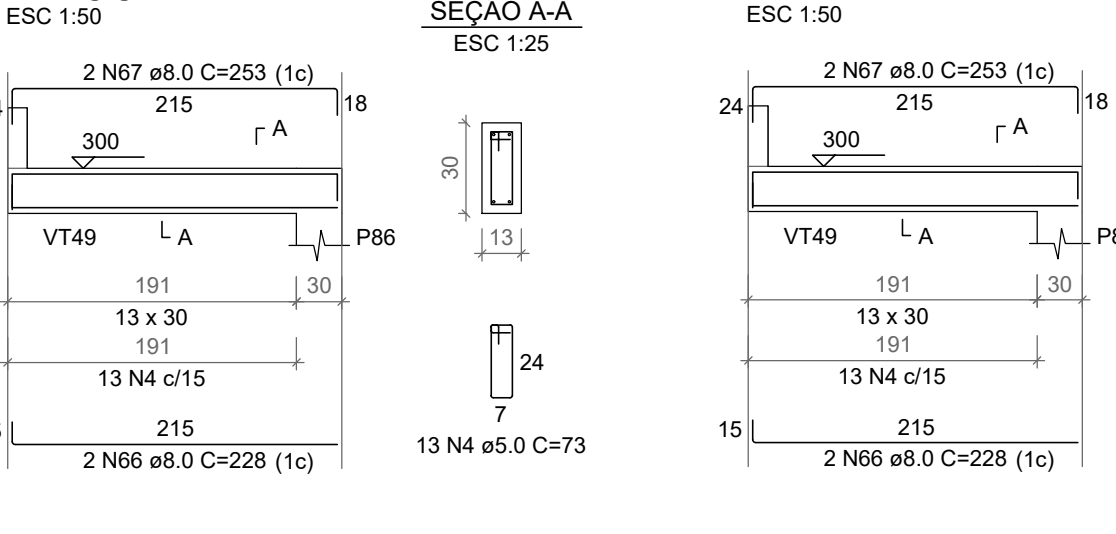
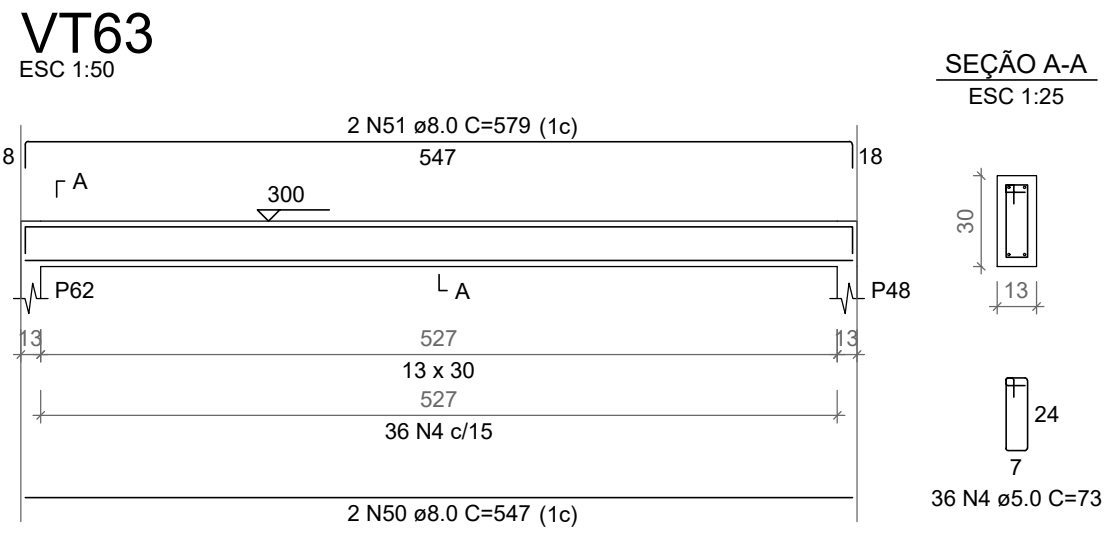
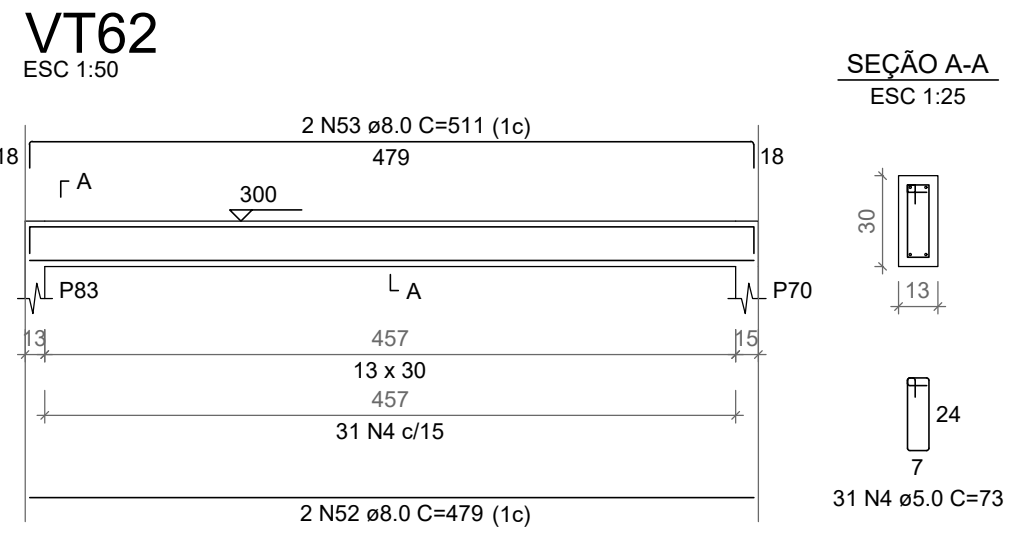
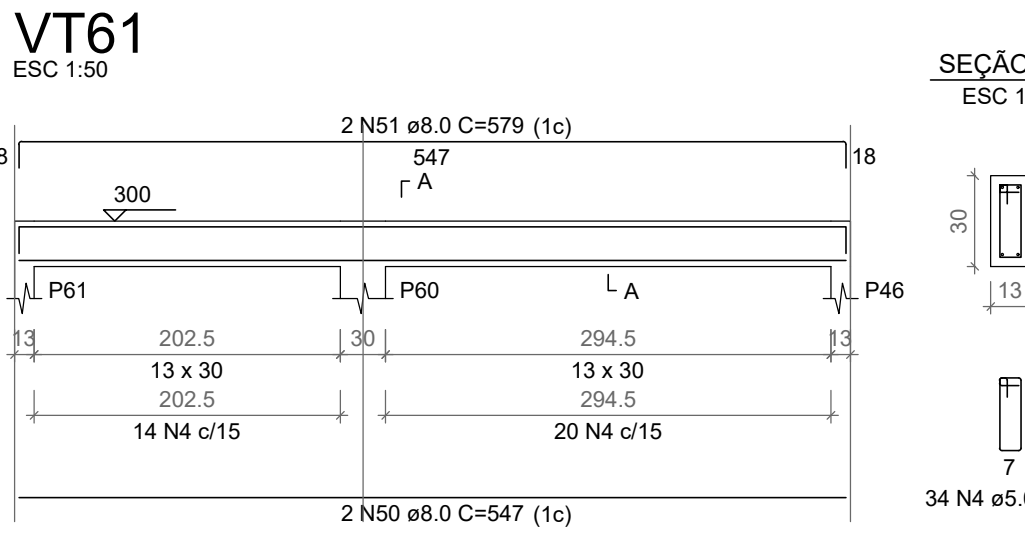
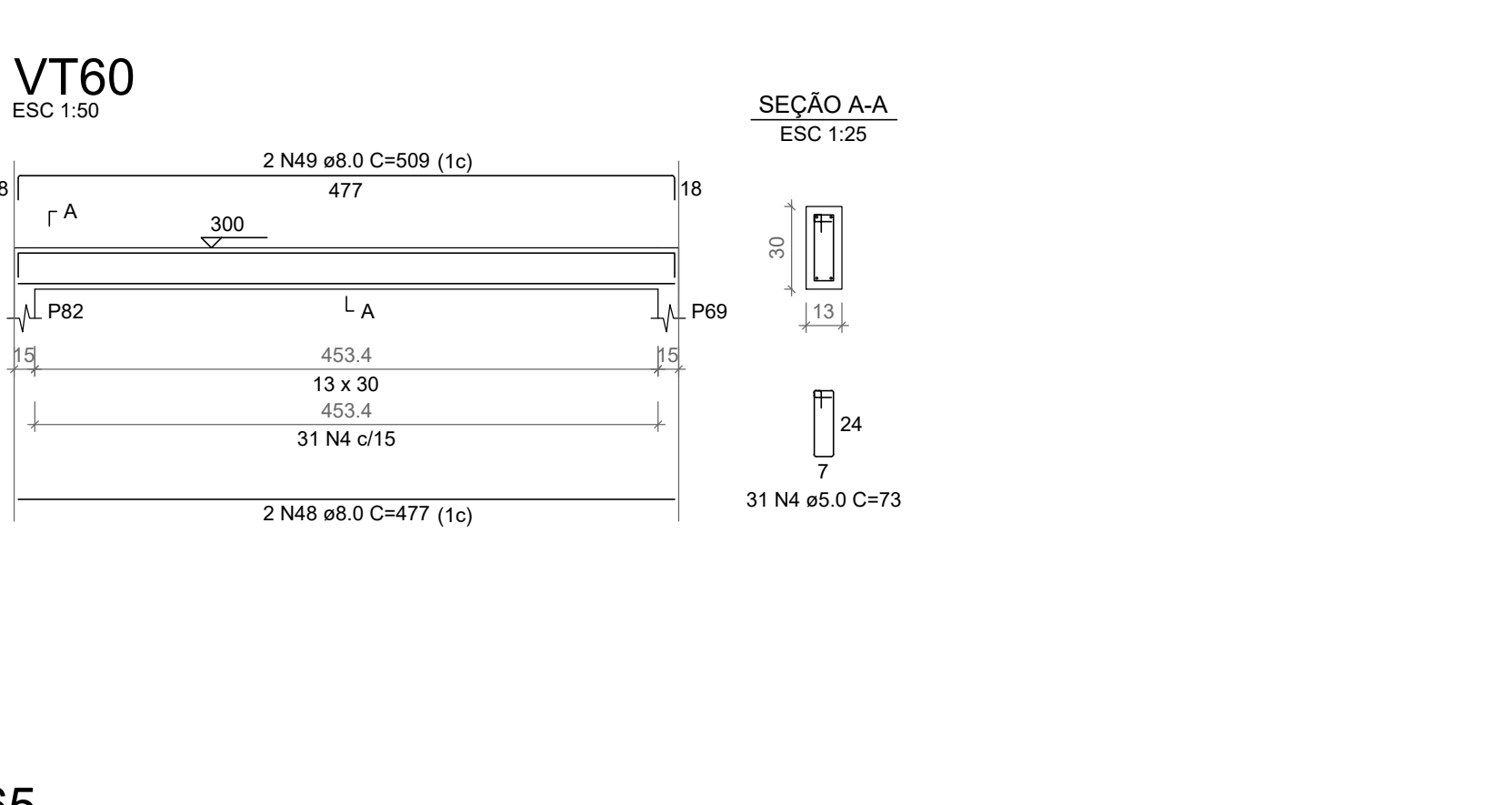
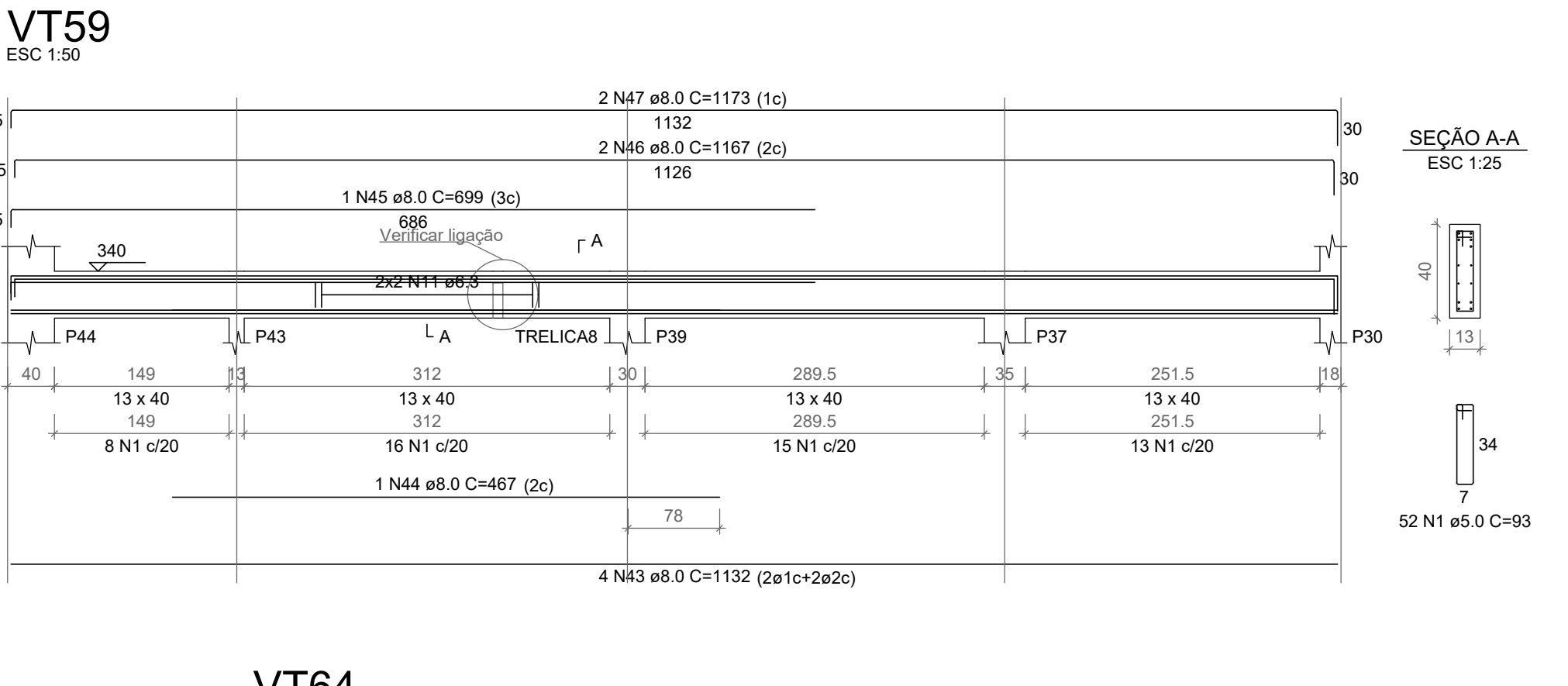
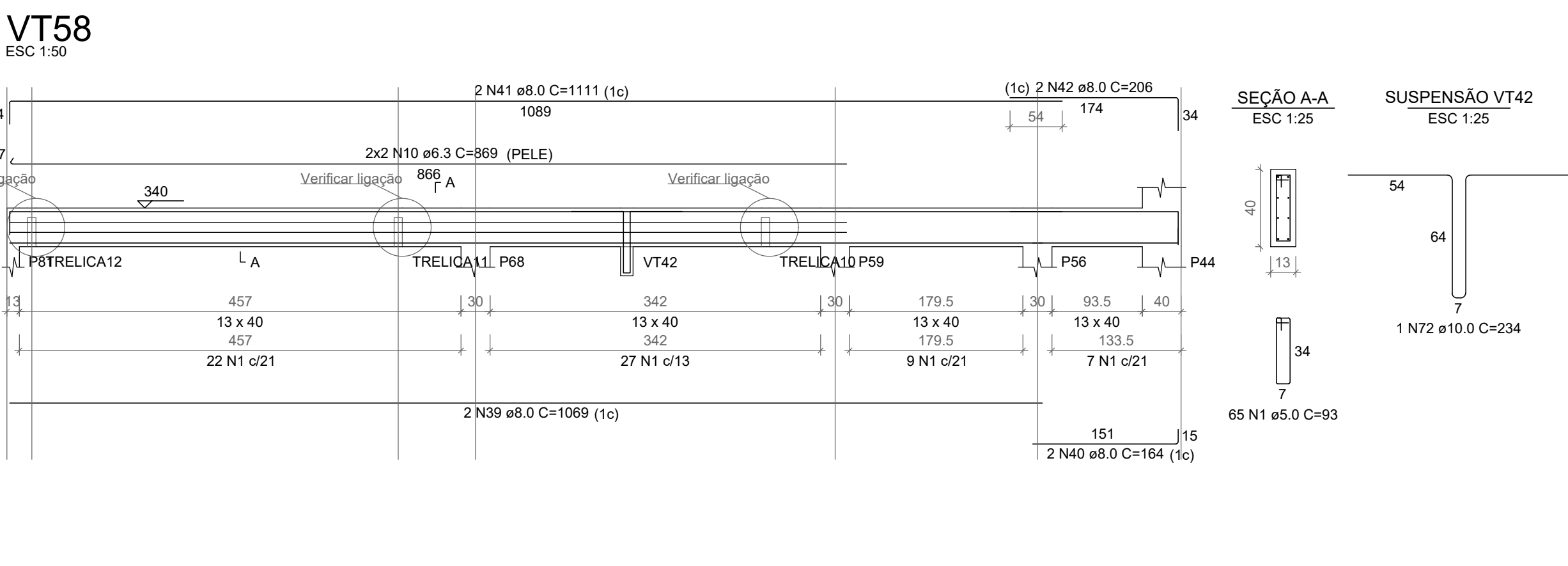
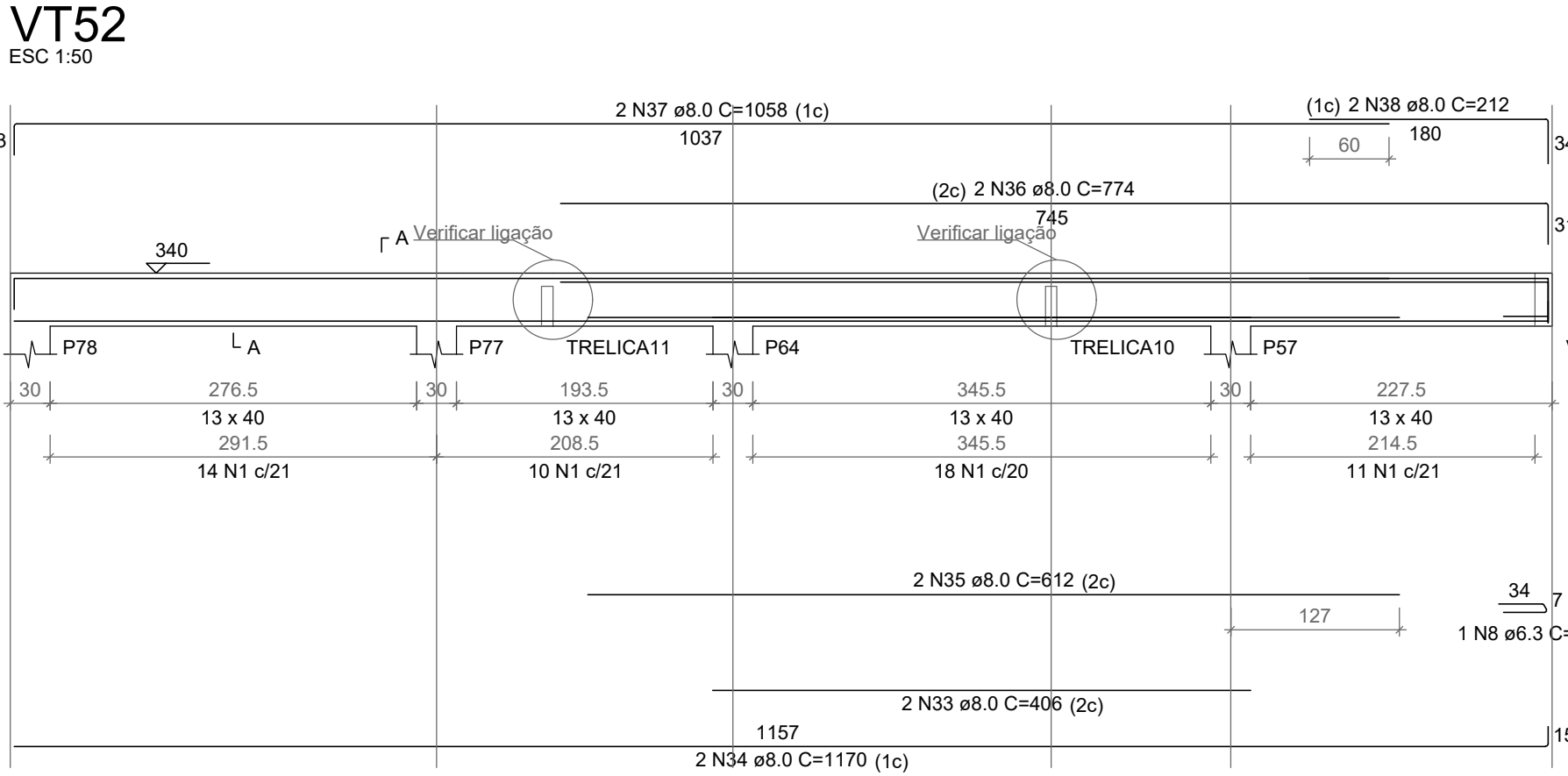
SITUAÇÃO ESQUEMÁTICA

RUA FRANCISCO DE VALLE

RUA ALAMEDA PRADO

RÓDRIGO HENRIQUE DELMASSO

Observações



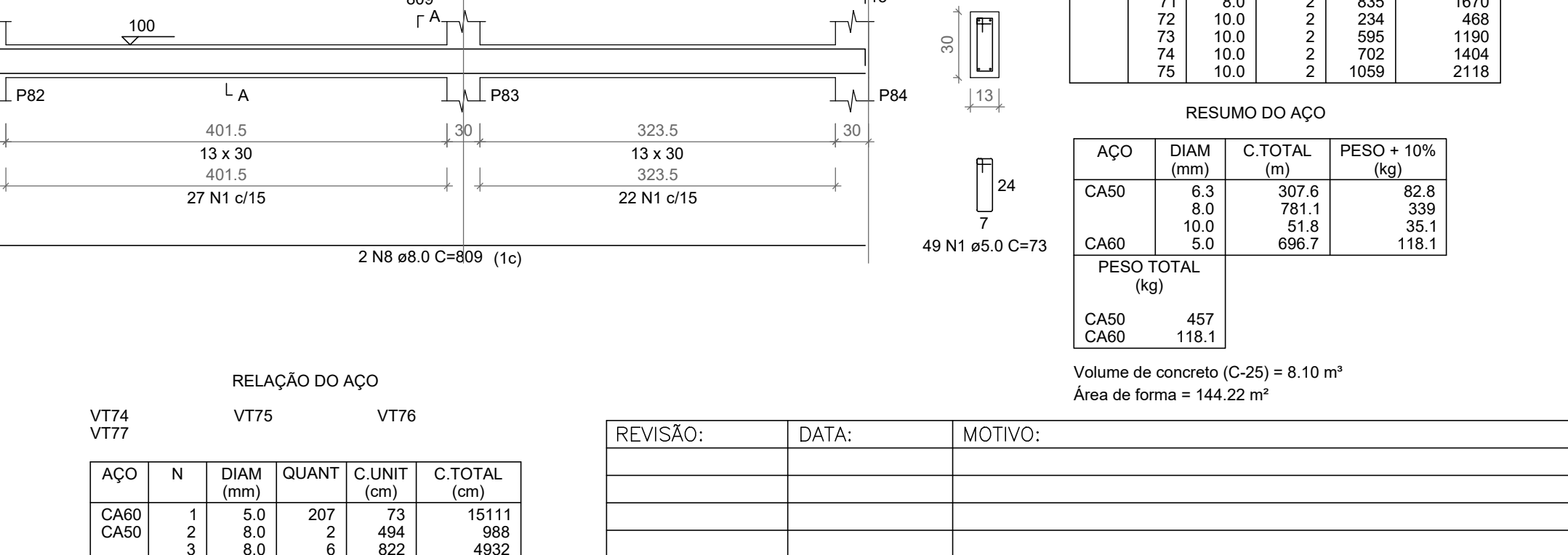
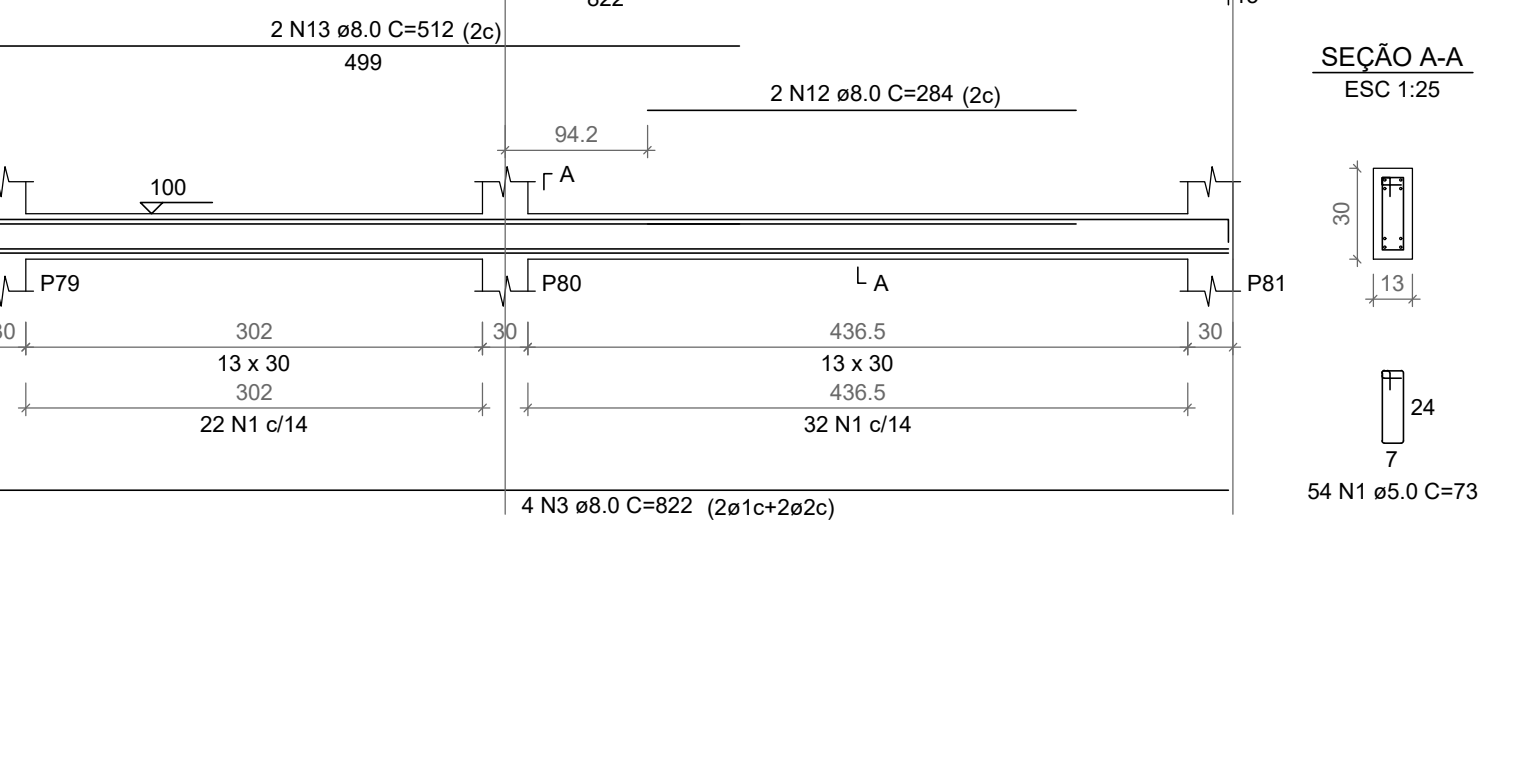
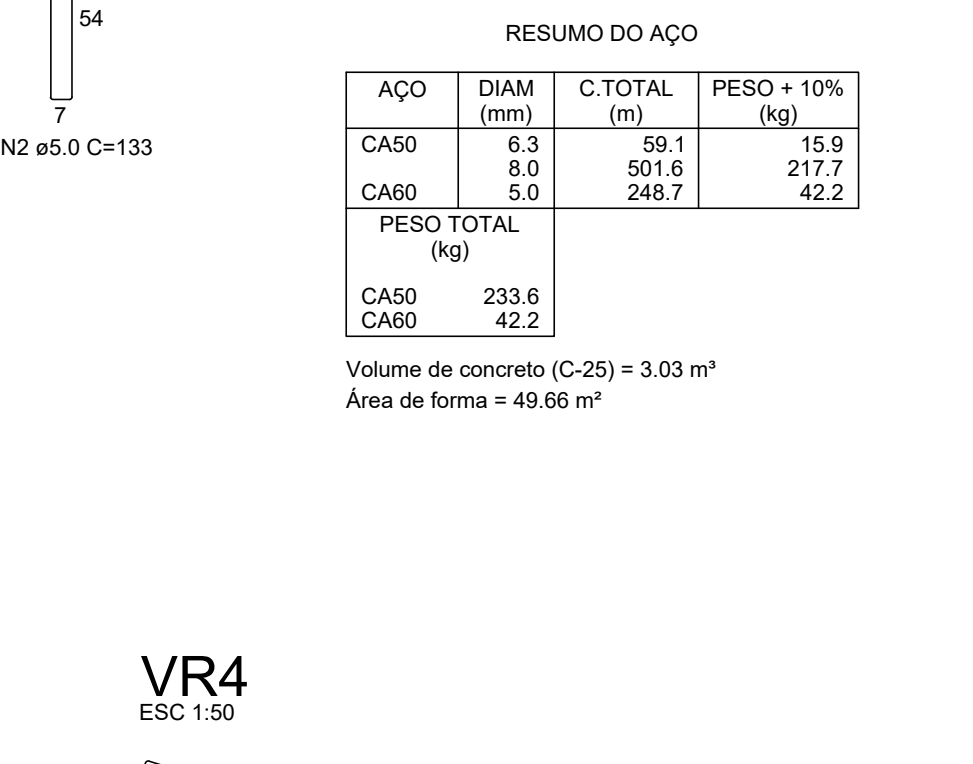
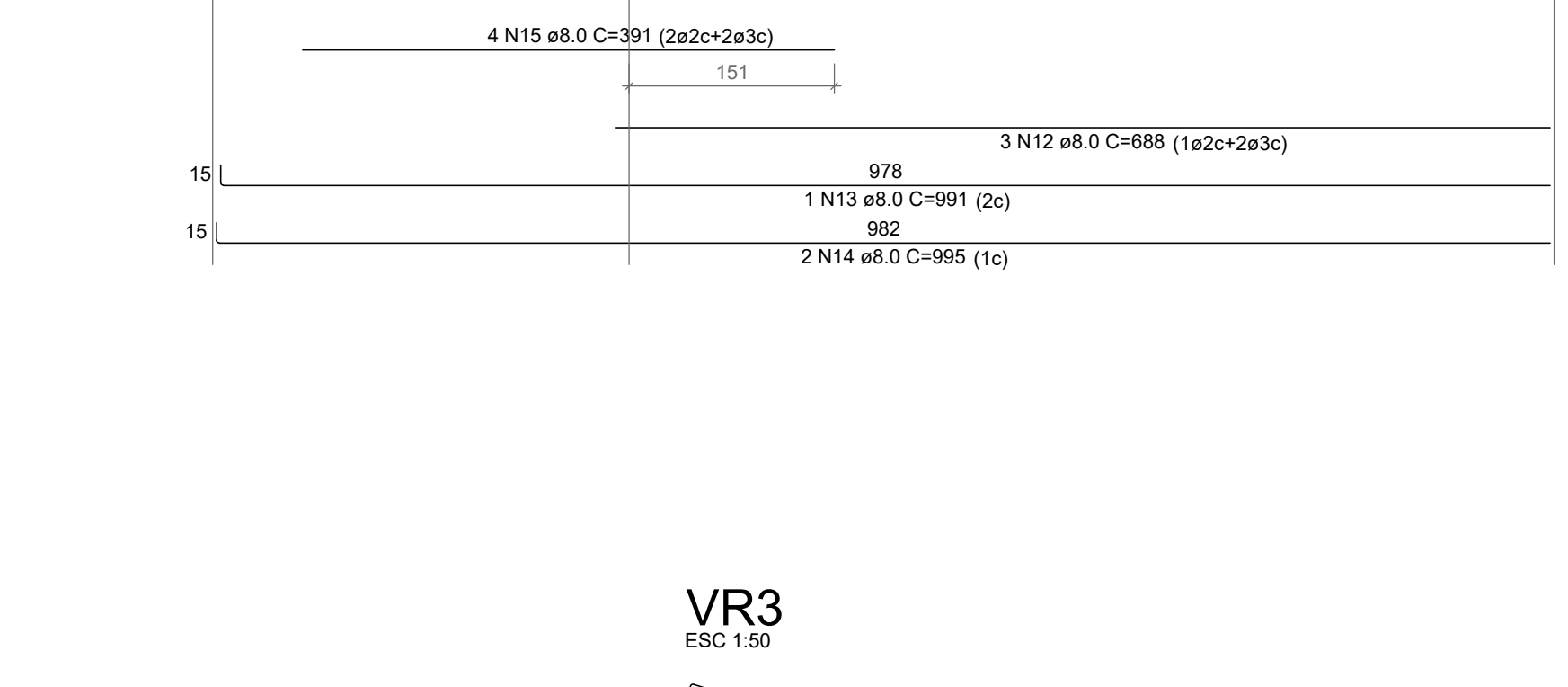
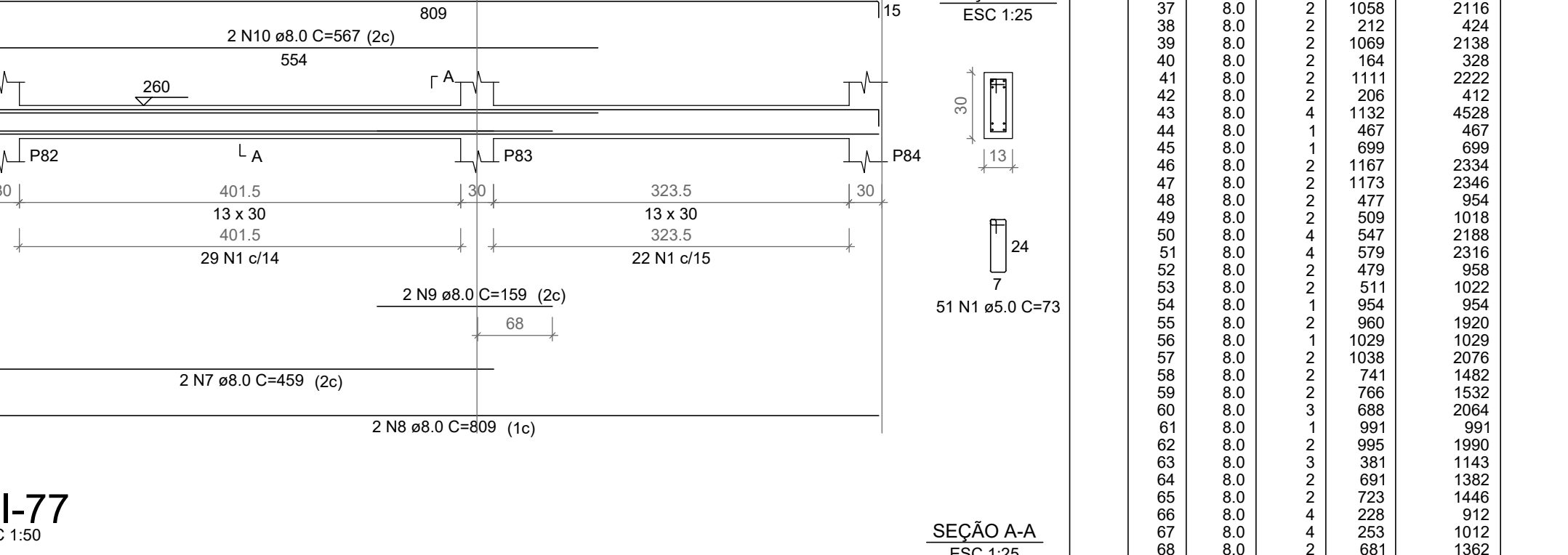
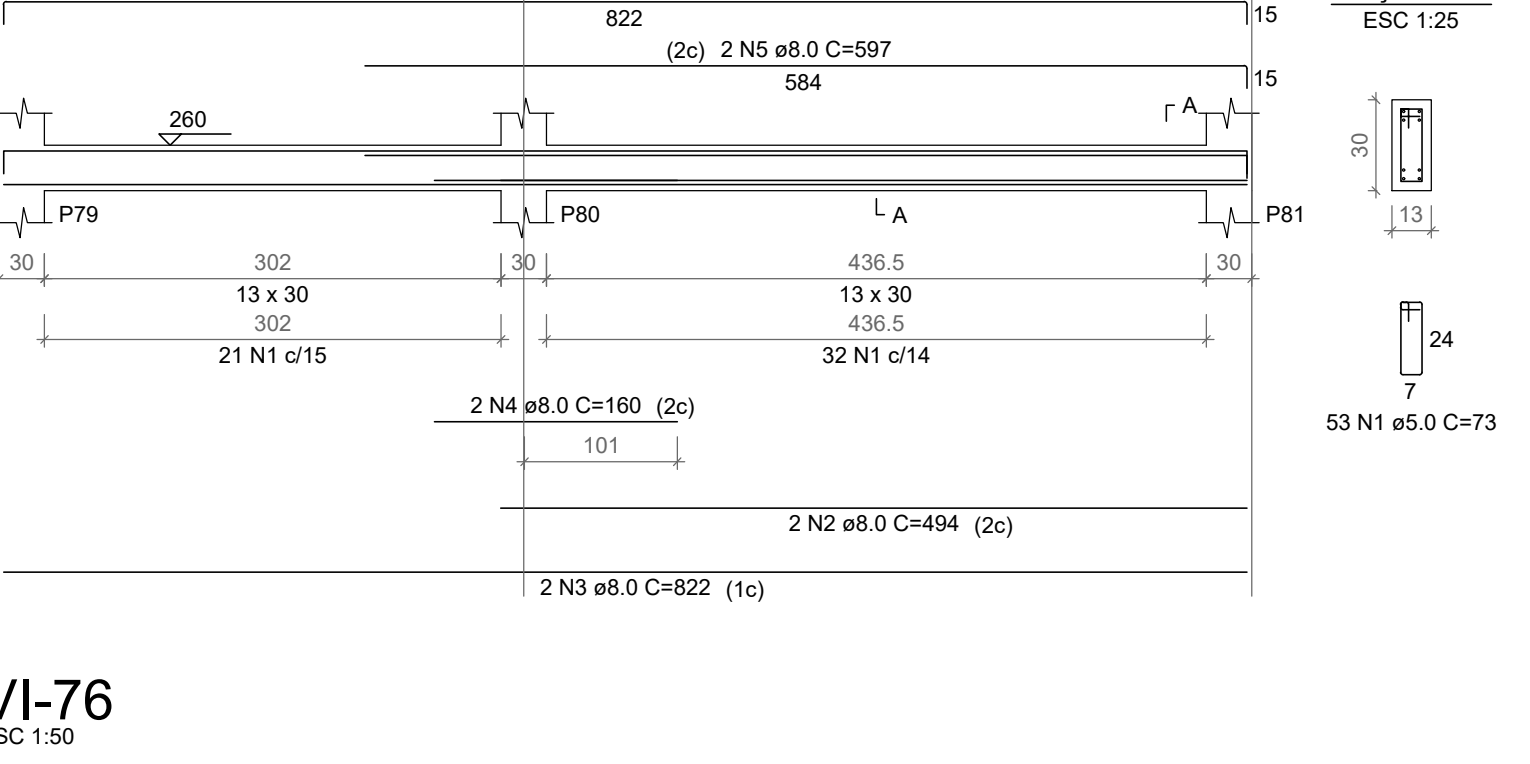
RELAÇÃO DO AÇO

ACO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA80	1	5.0	50	123	6150
CA50	2	5.0	31	133	4123
CA80	5	5.0	209	73	14850
CA50	4	5.0	6	985	5910
CA80	6	8.0	3	462	1386
CA80	9	8.0	3	178	534
CA80	10	8.0	3	1142	4968
CA80	11	8.0	3	1179	3534
CA80	12	8.0	3	1184	4738
CA80	13	8.0	3	688	2064
CA80	14	8.0	2	991	1982
CA80	15	8.0	2	995	1990
CA80	16	8.0	4	391	1564
CA80	17	8.0	1	225	225
CA80	18	8.0	1	1052	2104
CA80	19	8.0	1	1043	1043
CA80	20	8.0	2	1052	2104
CA80	21	8.0	2	691	1382
CA80	22	8.0	1	234	234
CA80	23	8.0	2	729	1458

RESUMO DO AÇO

ACO	N	DIAM (mm)	C.TOTAL (cm)	PESO + 10% (kg)
CA80	1	5.0	6150	69.1
CA50	2	5.0	4123	15.9
CA80	5	5.0	14850	217.7
CA50	4	5.0	5910	42.2

Volume de concreto (C-25) = 3.03 m³
Área de forma = 48.66 m²



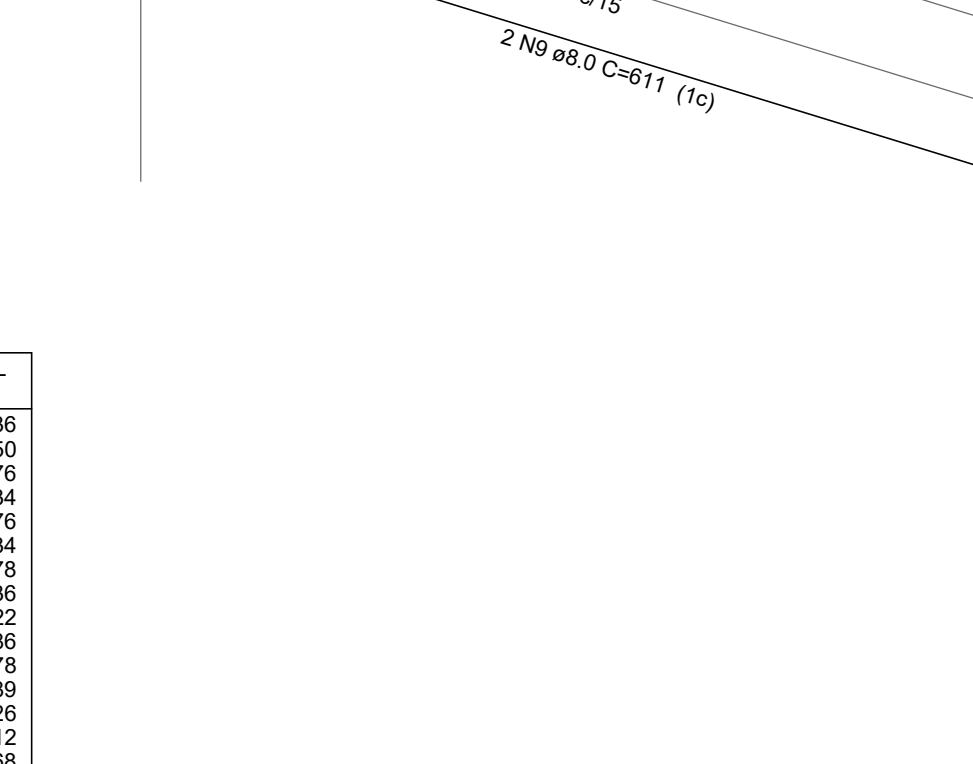
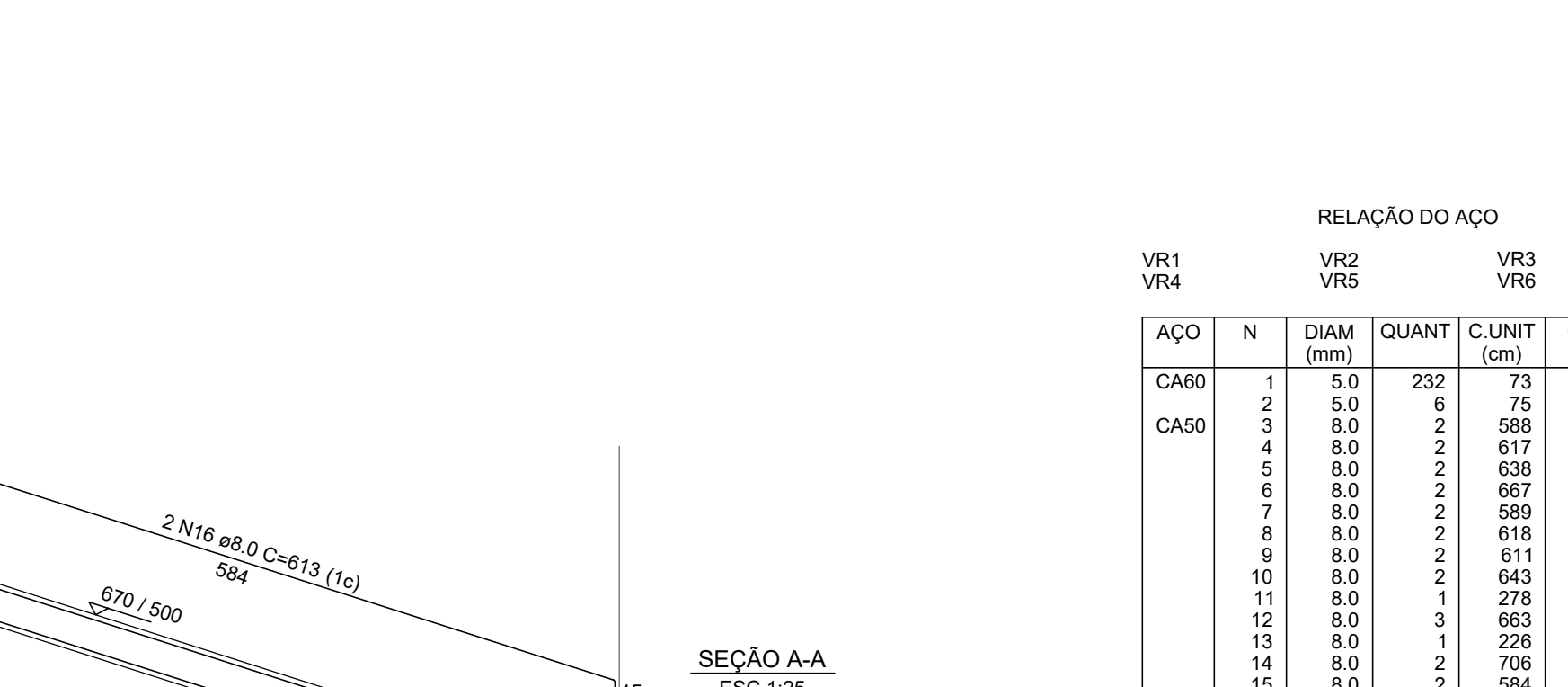
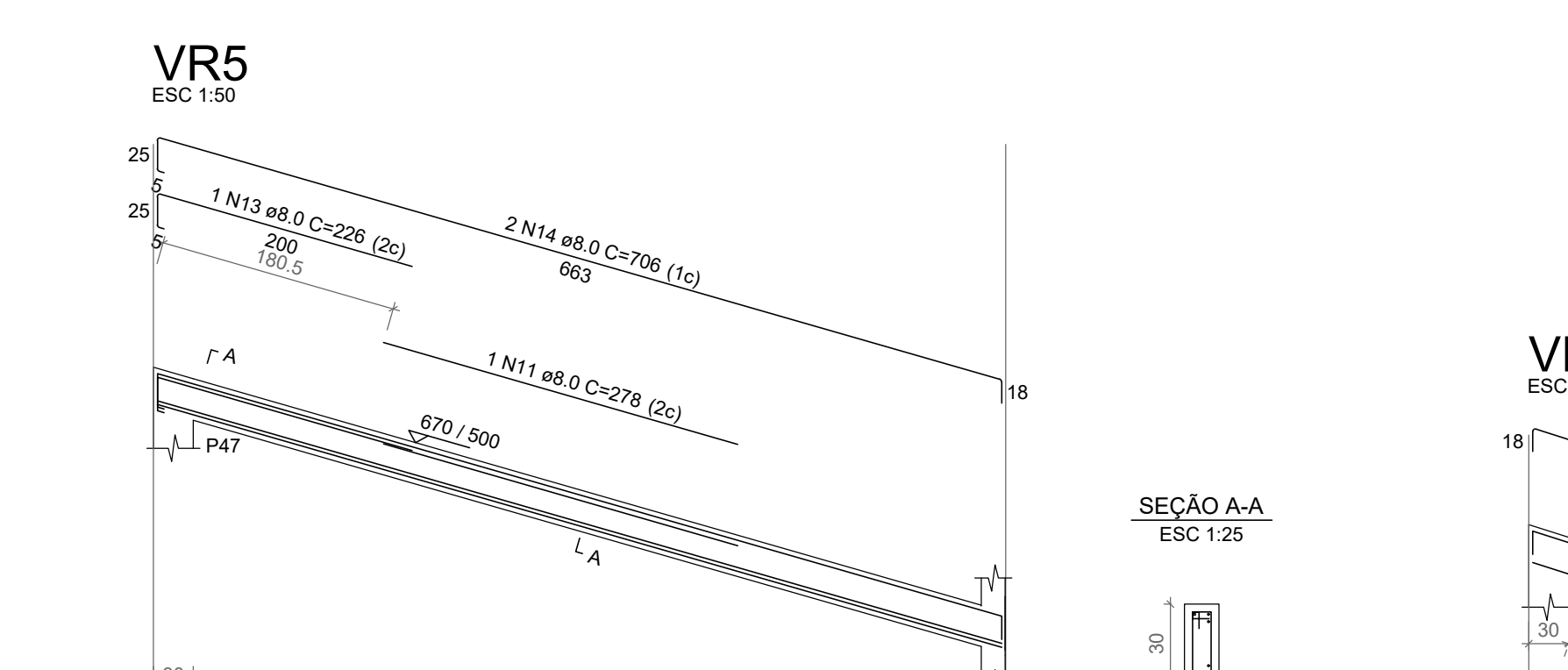
RELAÇÃO DO AÇO

ACO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA80	1	5.0	207	73	15111
CA50	2	5.0	2	484	968
CA80	3	8.0	6	822	4932
CA50	4	8.0	2	165	330
CA80	5	8.0	2	597	1194
CA80	6	8.0	4	848	3392
CA80	7	8.0	2	459	918
CA80	8	8.0	2	859	1718
CA80	9	8.0	2	159	318
CA80	10	8.0	2	567	1134
CA80	11	8.0	4	835	3340
CA80	12	8.0	2	294	588
CA80	13	8.0	2	512	1024

RESUMO DO AÇO

ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA80	8.0	213.6	92.7
CA50	5.0	151.1	25.6

Volume de concreto (C-25) = 1.28 m³
Área de forma = 23.99 m²



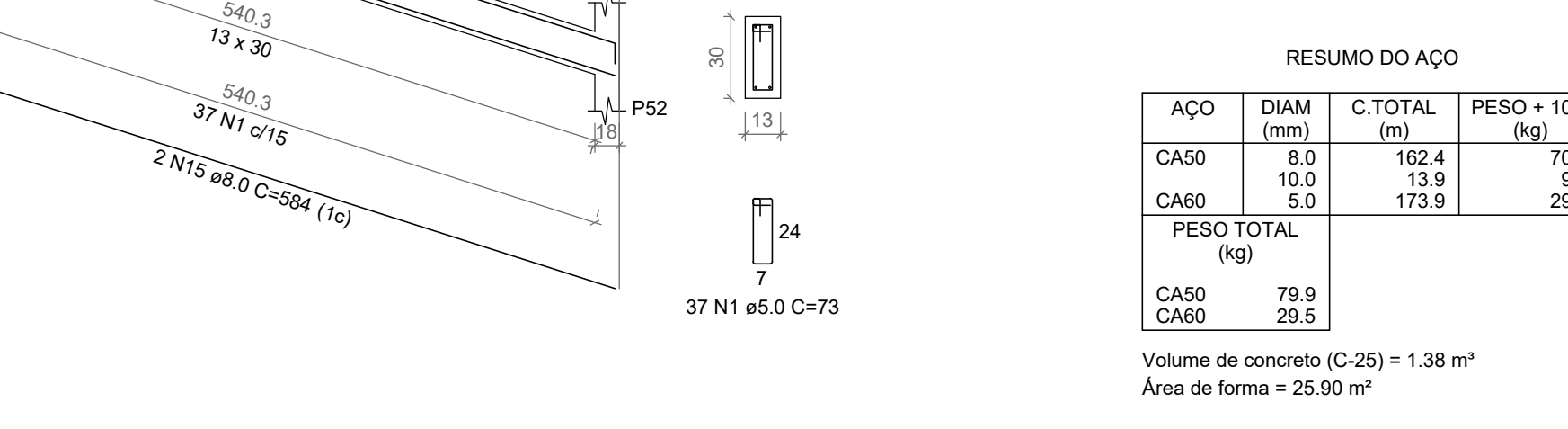
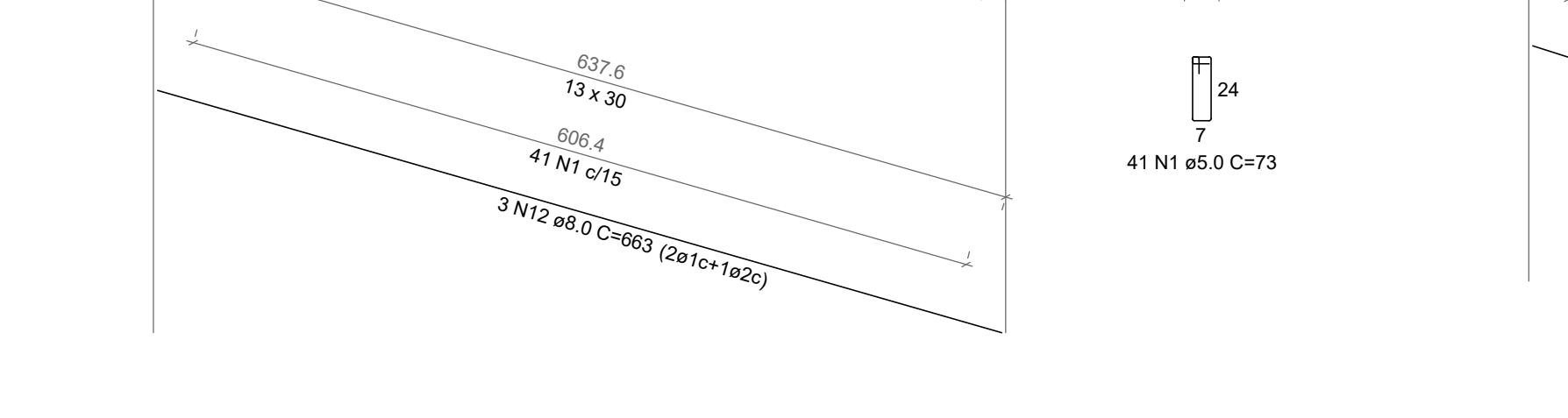
RELAÇÃO DO AÇO

ACO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA80	1	5.0	232	73	16936
CA50	2	5.0	6	75	450
CA50	3	8.0	6	588	3528
CA50	4	8.0	6	617	3702
CA50	5	8.0	6	638	3828
CA50	6	8.0	6	667	3998
CA50	7	8.0	6	669	4014
CA50	8	8.0	6	616	3696
CA50	9	8.0	6	611	3666
CA50	10	8.0	6	643	3858
CA50	11	8.0	6	278	1668
CA50	12	8.0	6	663	3978
CA50	13	8.0	6	226	1356
CA50	14	8.0	6	706	4236
CA50	15	8.0	6	584	3504
CA50	16	8.0	6	613	3678

RESUMO DO AÇO

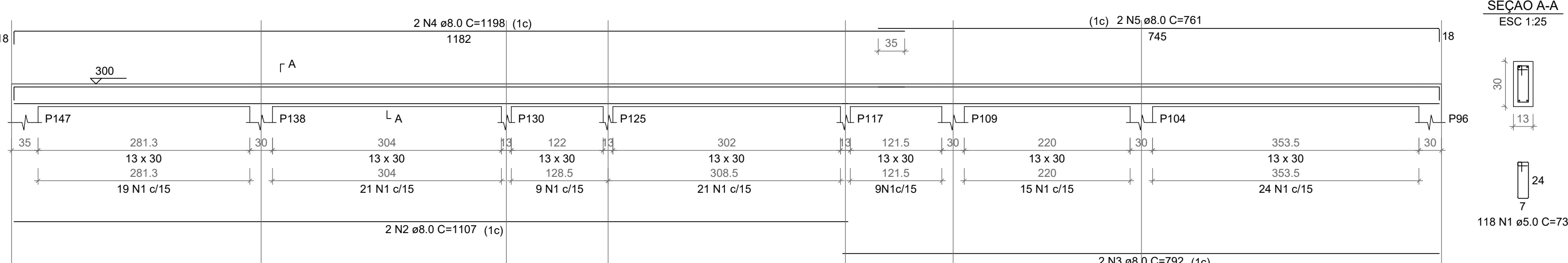
ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA80	8.0	162.4	70.5
CA50	10.0	13.9	9.4
CA60	5.0	173.9	29.5

Volume de concreto (C-25) = 1.38 m³
Área de forma = 25.90 m²



VT111

ESC 1:50



RELAÇÃO DO AÇO

VT111

ACO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	118	73	8614
CA50	2	8.0	2	1107	2214
CA50	3	8.0	2	792	1584
CA50	4	8.0	2	1198	2396
CA50	5	8.0	2	791	1582

RESUMO DO AÇO

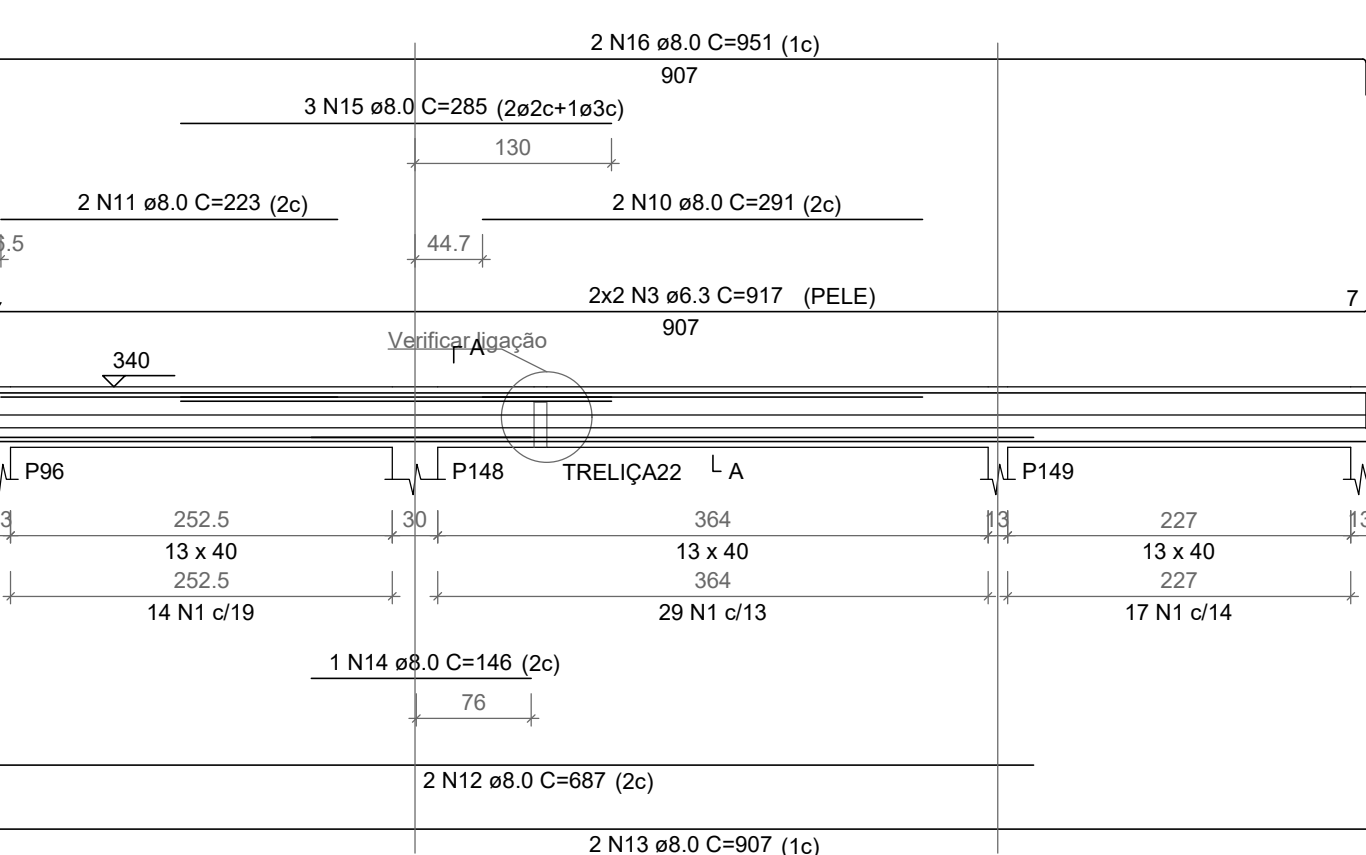
ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	77.2	33.5
CA50	8.0	66.1	14.6
PESO TOTAL (kg)			33.5
CA50			14.6

Volume de concreto (C-25) = 0.74 m³

Área de forma = 13.86 m²

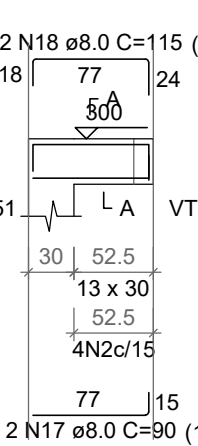
VT112

ESC 1:50



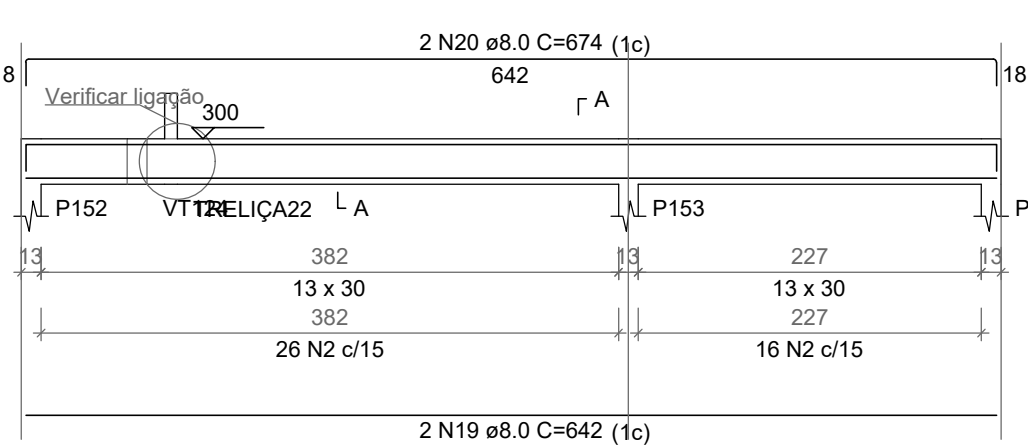
VT113

ESC 1:50



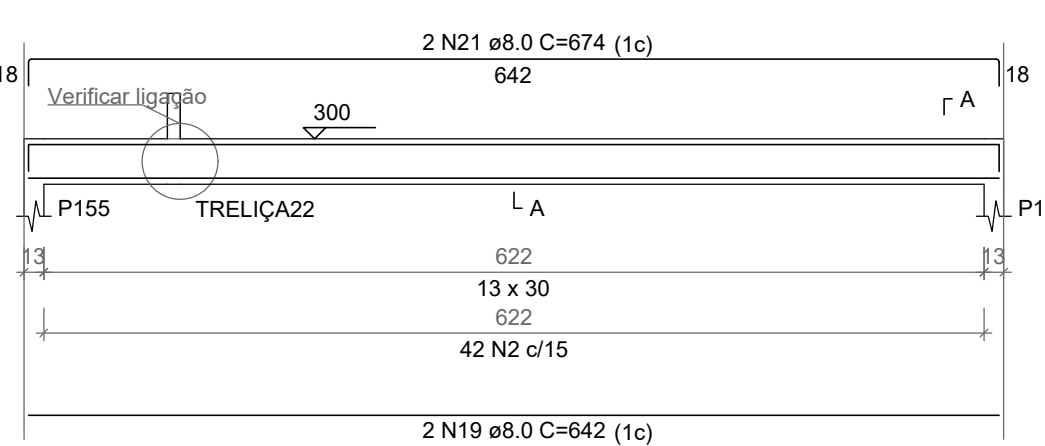
VT114

ESC 1:50



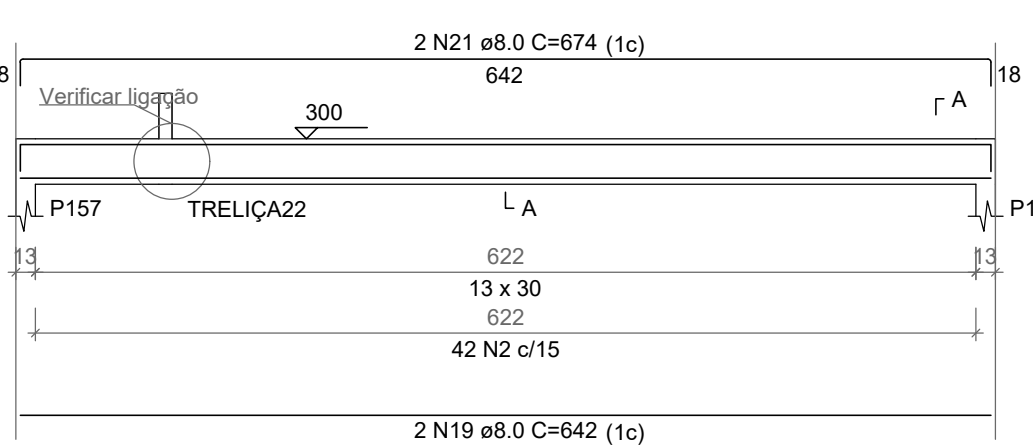
VT115

ESC 1:50



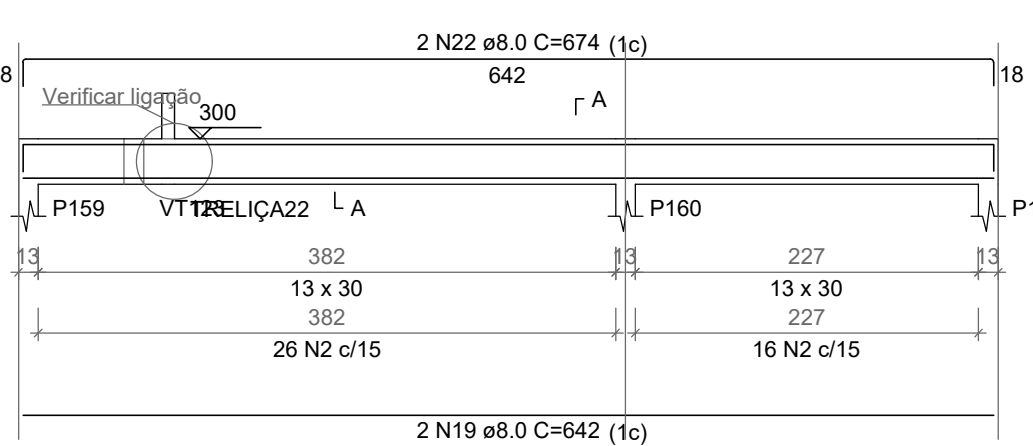
VT116

ESC 1:50



VT117

ESC 1:50



RELAÇÃO DO AÇO

ACO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	288	30	24738
CA50	2	5.0	363	73	26499
CA50	3	6.3	4	917	3668
CA50	4	6.3	4	648	2592
CA50	5	6.3	4	917	3668
CA50	6	6.3	4	corr	2240
CA50	7	6.3	4	corr	2112
CA50	8	6.3	4	corr	1356
CA50	9	6.3	4	corr	2344
CA50	10	8.0	2	291	582
CA50	11	8.0	2	223	446
CA50	12	8.0	2	687	1374
CA50	13	8.0	2	907	1814
CA50	14	8.0	1	146	146
CA50	15	8.0	2	285	570
CA50	16	8.0	2	951	1902
CA50	17	8.0	2	90	180
CA50	18	8.0	2	115	230
CA50	19	8.0	2	642	1284
CA50	20	8.0	2	674	1348
CA50	21	8.0	2	674	1348
CA50	22	8.0	2	674	1348
CA50	23	8.0	2	919	1838
CA50	24	8.0	2	115	230
CA50	25	8.0	2	919	1838
CA50	26	8.0	2	949	1898
CA50	27	8.0	2	417	834
CA50	28	8.0	2	449	898
CA50	29	8.0	2	802	1604
CA50	30	8.0	2	834	1668
CA50	31	8.0	2	417	834
CA50	32	8.0	2	449	898
CA50	33	8.0	2	155	310
CA50	34	8.0	4	180	720
CA50	35	8.0	2	552	1104
CA50	36	8.0	2	552	1104
CA50	37	8.0	2	552	1104
CA50	38	8.0	2	553	1106
CA50	39	8.0	2	553	1106
CA50	40	8.0	2	1108	2216
CA50	41	8.0	2	1108	2216
CA50	42	8.0	2	405	810
CA50	43	8.0	2	1198	2396
CA50	44	8.0	2	805	1610

RESUMO DO AÇO

ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	143.5	38.6
CA50	8.0	434.7	188.7
CA50	8.0	512.4	86.9

PESO TOTAL (kg)

CA50 227.3

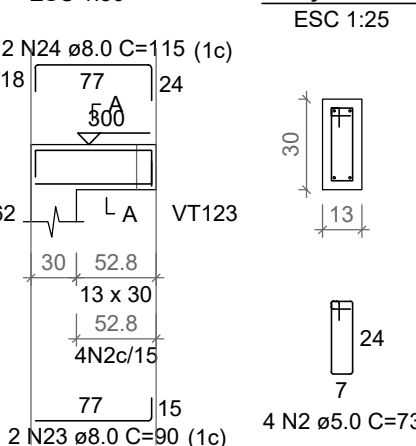
CA50 85.9

Volume de concreto (C-25) = 4.21 m³

Área de forma = 77.14 m²

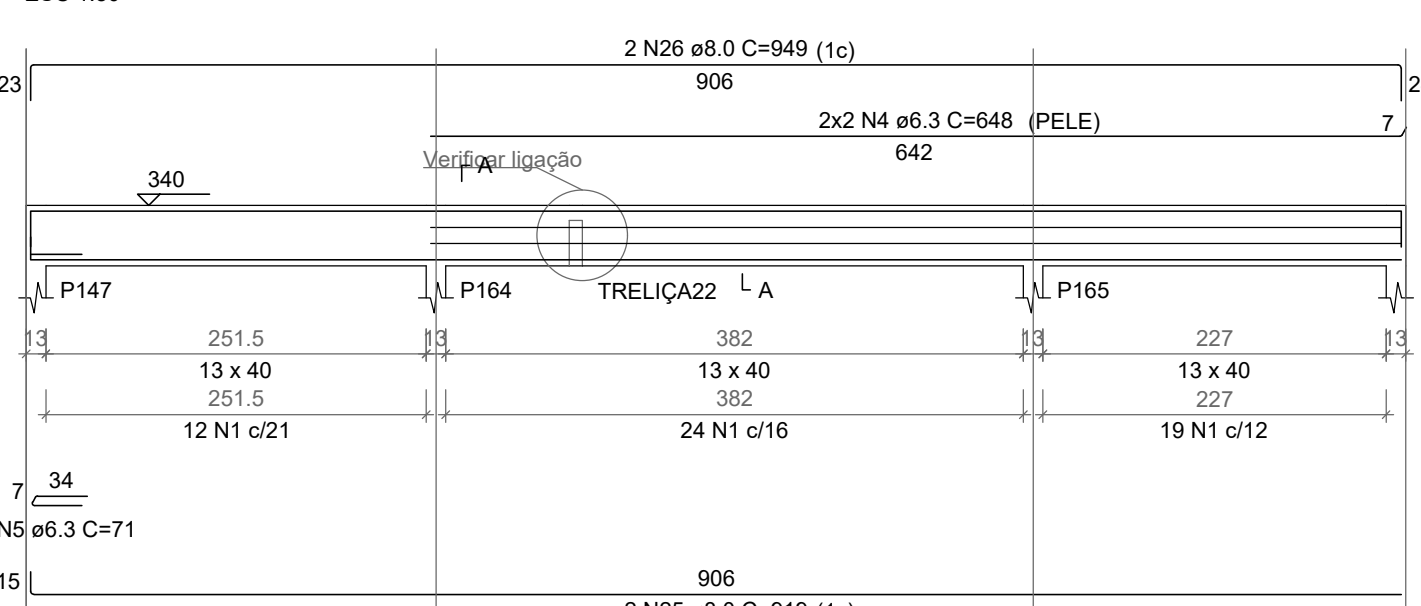
VT118

ESC 1:50



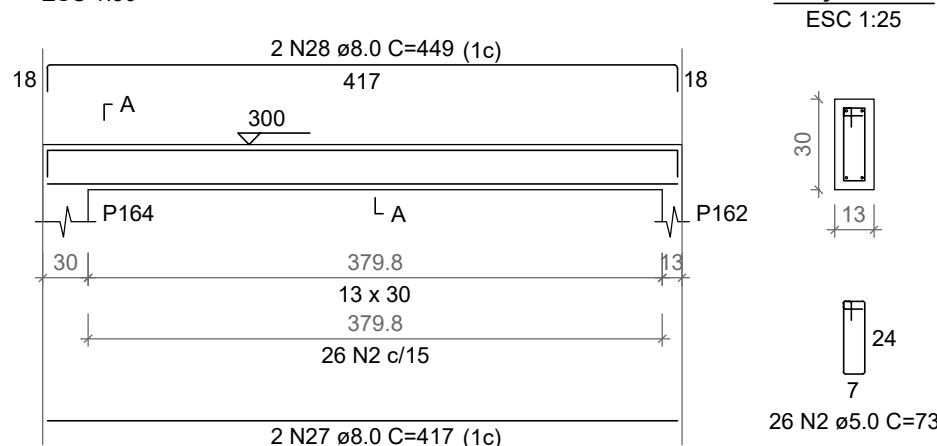
VT119

ESC 1:50



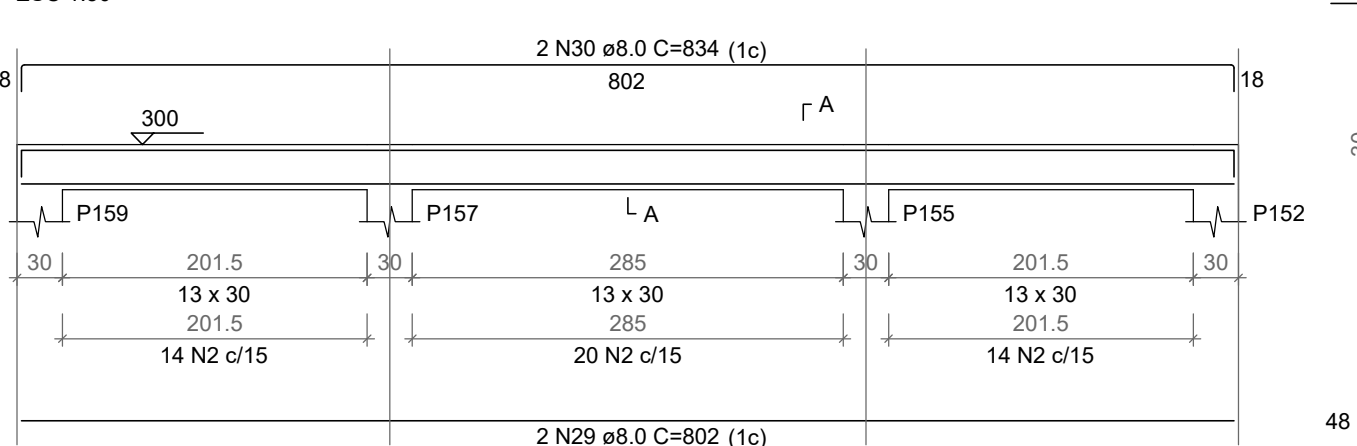
VT120

ESC 1:50



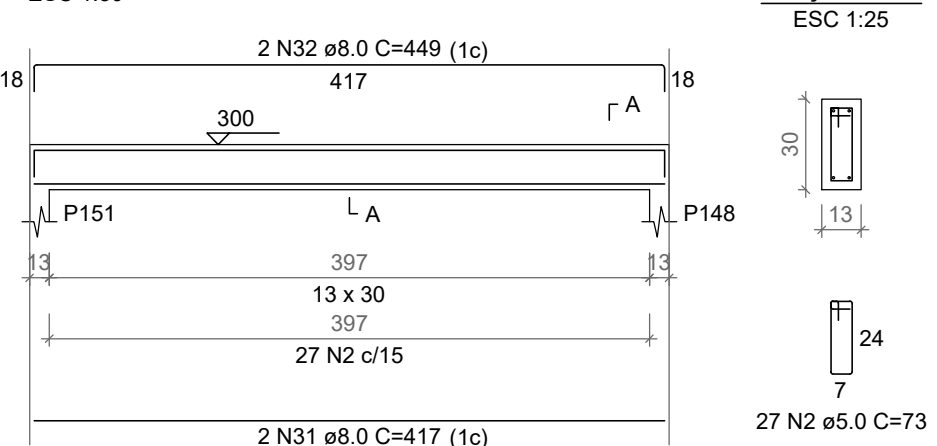
VT121

ESC 1:50



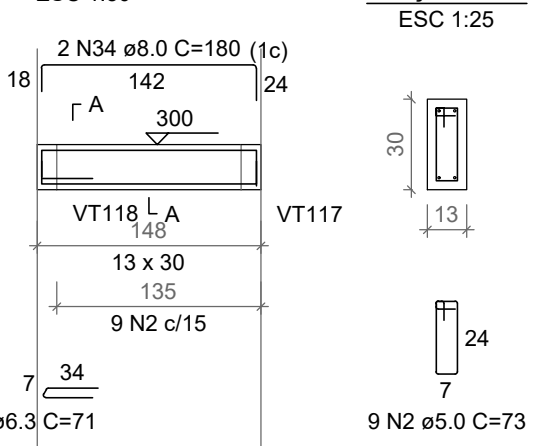
VT122

ESC 1:50



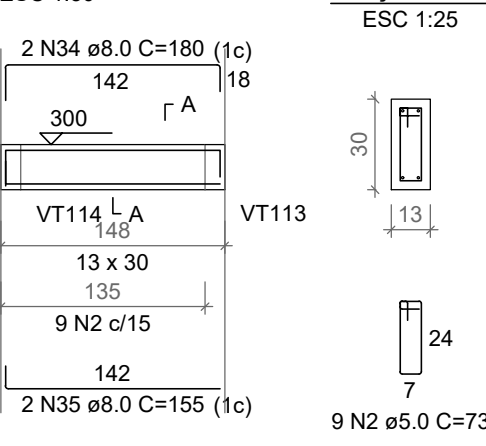
VT123

ESC 1:50



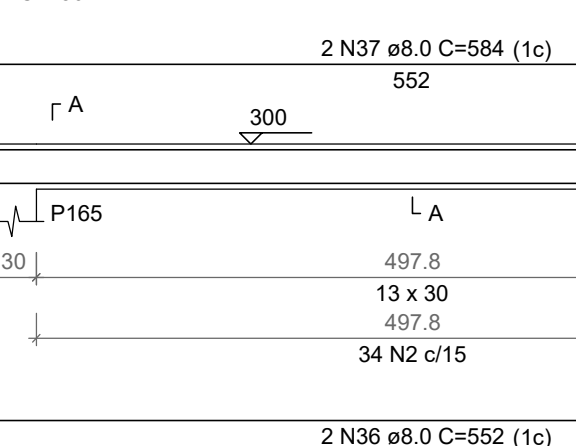
VT124

ESC 1:50



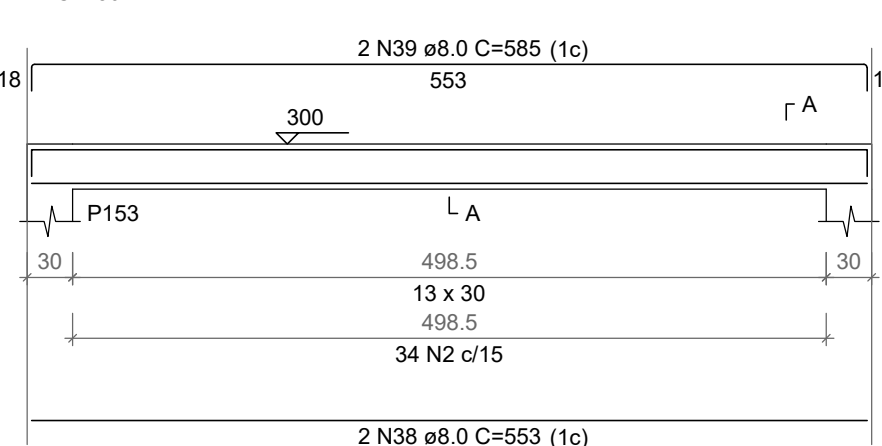
VT125

ESC 1:50



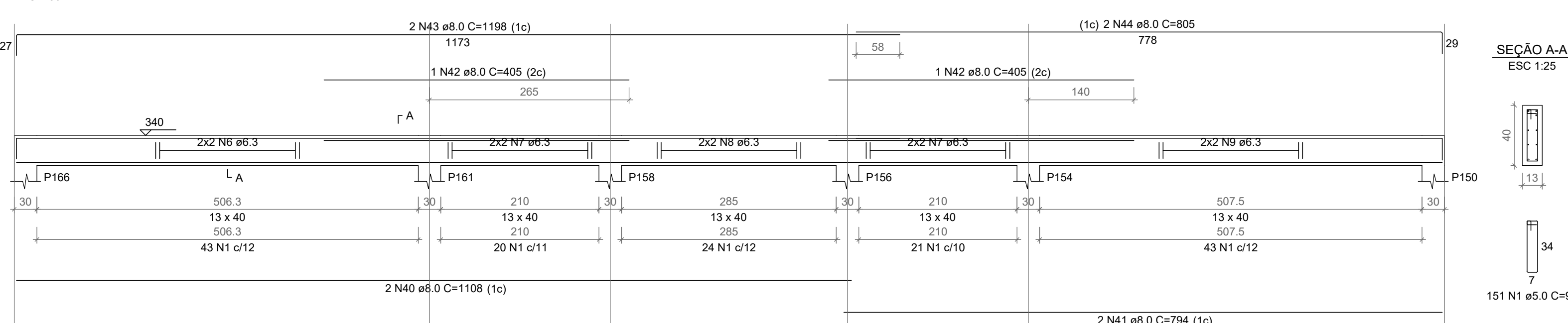
VT126

ESC 1:50



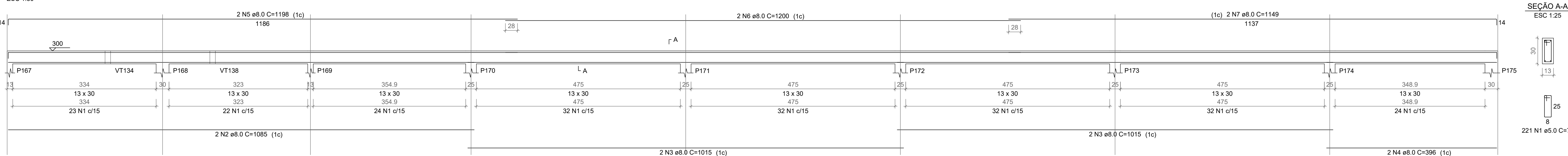
VT127

ESC 1:50



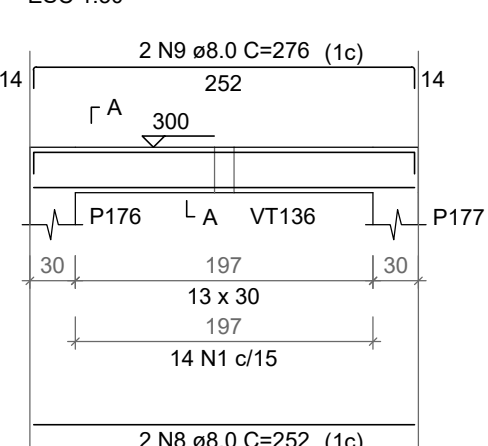
VT128

ESC 1:50



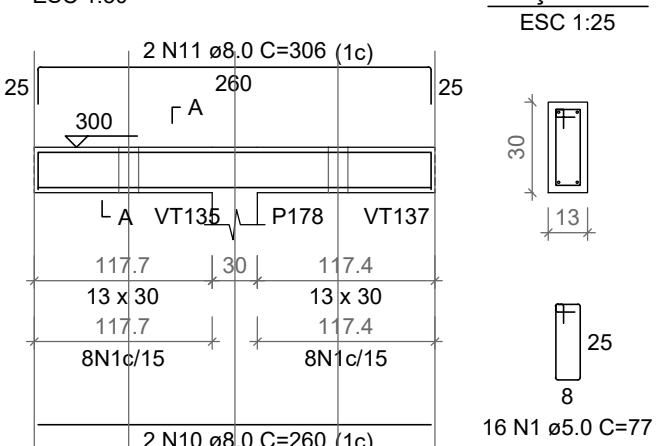
VT129

ESC 1:50



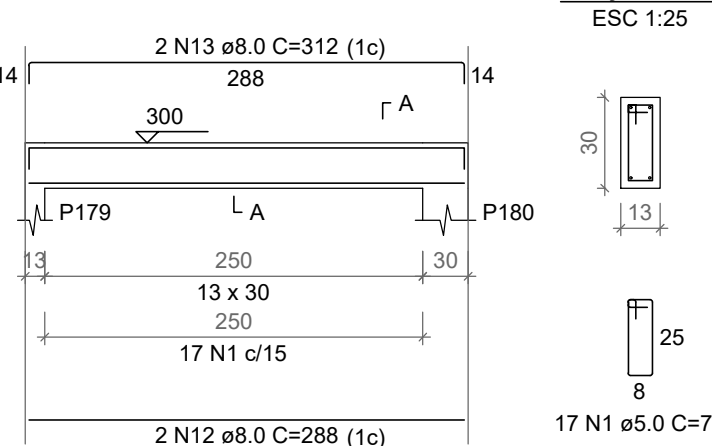
VT130

ESC 1:50



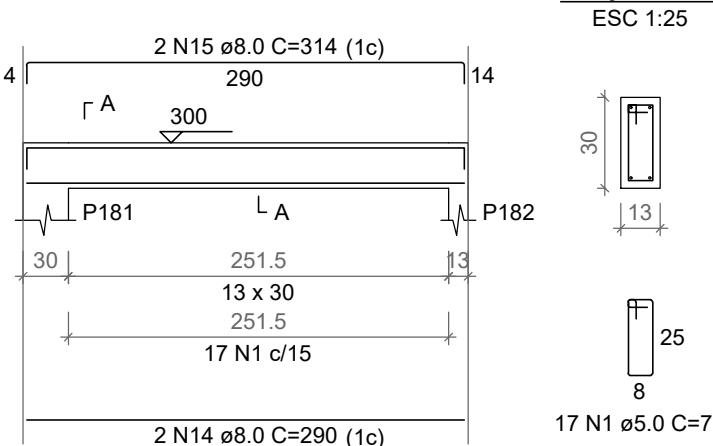
VT131

ESC 1:50



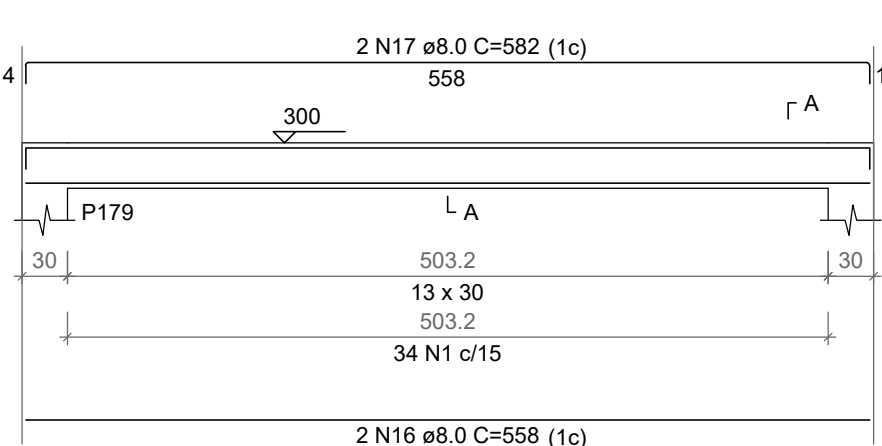
VT132

ESC 1:50



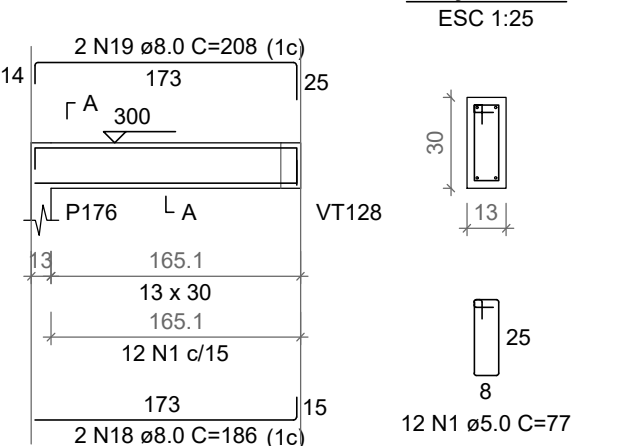
VT133

ESC 1:50



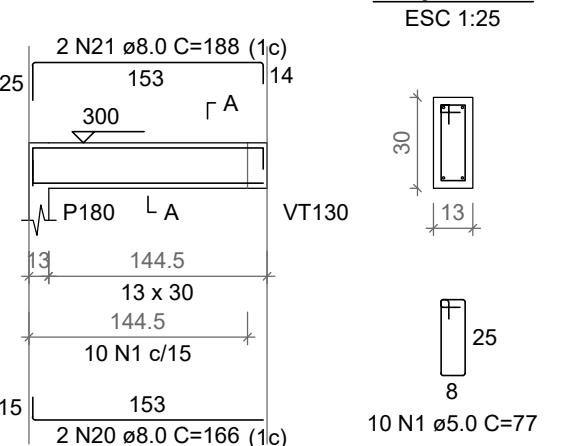
VT134

ESC 1:50



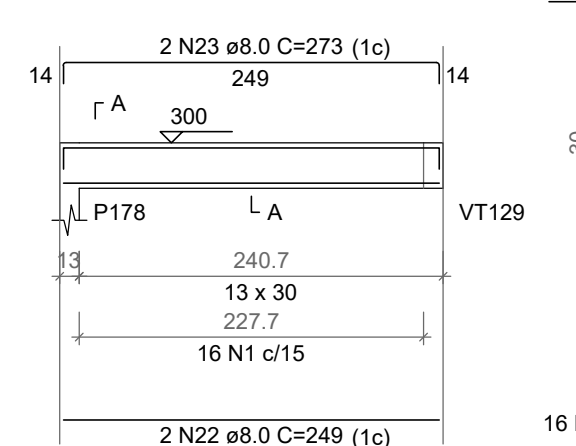
VT135

ESC 1:50



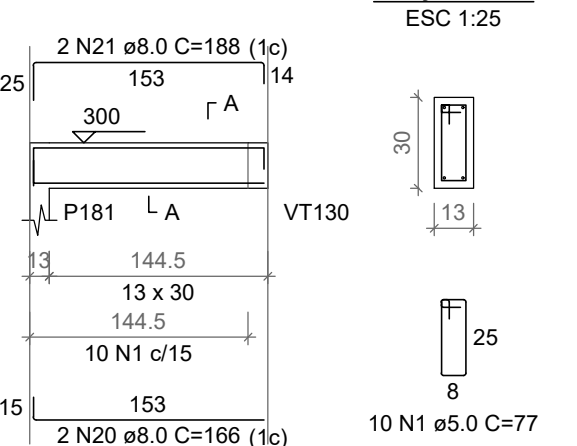
VT136

ESC 1:50



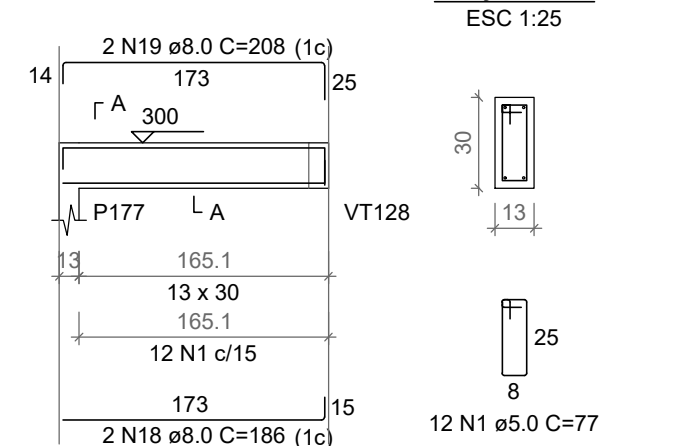
VT137

ESC 1:50



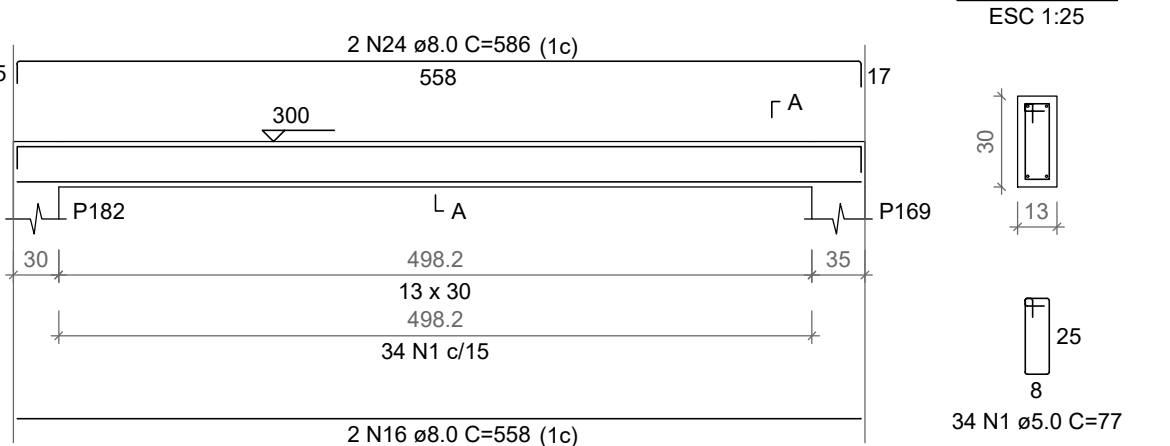
VT138

ESC 1:50



VT139

ESC 1:50



RELAÇÃO DO AÇO

ACO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	413	77	31901
CA50	2	8.0	2	1085	2170
CA50	3	8.0	4	1015	4060
CA50	4	8.0	2	396	792
CA50	5	8.0	2	1198	2396
CA50	6	8.0	2	1200	2400
CA50	7	8.0	2	1449	2898
CA50	8	8.0	2	252	504
CA50	9	8.0	2	276	552
CA50	10	8.0	2	250	500
CA50	11	8.0	2	306	612
CA50	12	8.0	2	288	576
CA50	13	8.0	2	312	624
CA50	14	8.0	2	250	500
CA50	15	8.0	2	314	628
CA50	16	8.0	4	558	2232
CA50	17	8.0	2	582	1164
CA50	18	8.0	4	168	672
CA50	19	8.0	4	208	832
CA50	20	8.0	4	168	672
CA50	21	8.0	4	168	672
CA50	22	8.0	2	249	498
CA50	23	8.0	2	273	546
CA50	24	8.0	2	586	1172

RESUMO DO AÇO

ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	273.2	118.6
CA50	8.0	318	53.9

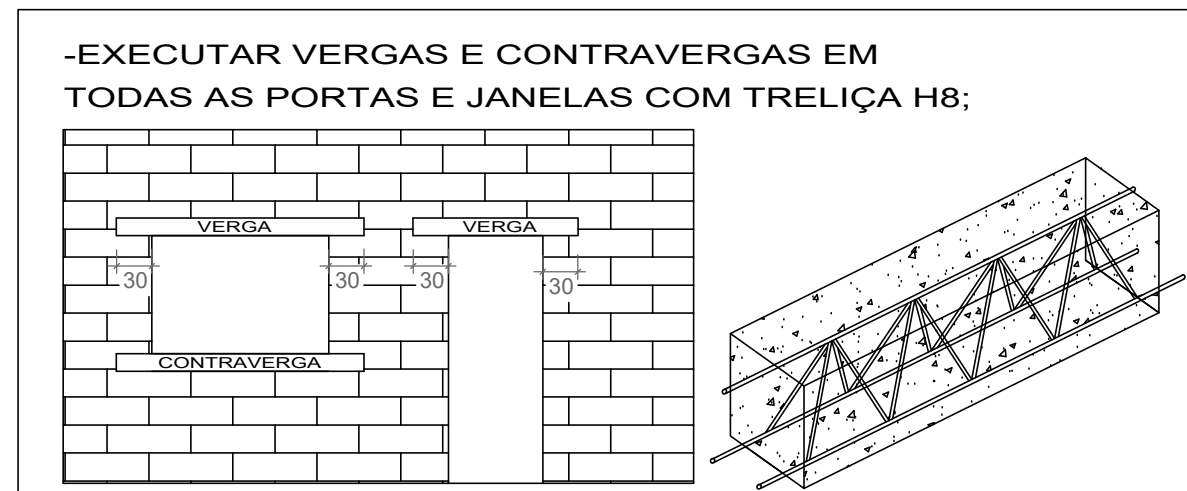
PESO TOTAL (kg)

CA50 118.6

CA50 53.9

Volume de concreto (C-35) = 2.59 m³

Área de forma = 48.42 m²



REVISÃO:	DATA:	MOTIVO:

PROJETO ESTRUTURAL

N. FOLHA 19 FOLHA N. 15

ASSUNTO:

Vigas do pavimento térreo (VT111 até VT139)

CENTRO MUNICIPAL DE EDUCAÇÃO INFANTIL PADRE ROSSI

LOCAL DA OBRA: RUA FRANCISCO VALLE, 170 – CENTRO – NOVA TRENTO / SC

FEVEREIRO DE 2022

Proprietário:

PREFEITURA MUNICIPAL DE NOVA TRENTO

ÁREAS

TERRENO 4,068,90 m2

A CONSTRUIR

PAV. TERREO 2132,20 m2

CAIXA D'ÁGUA 6,42 m2

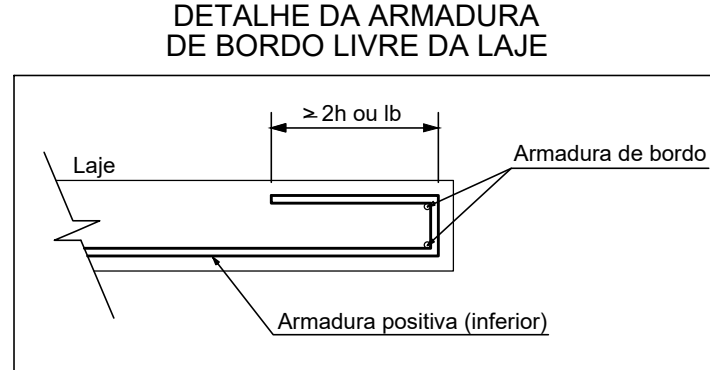
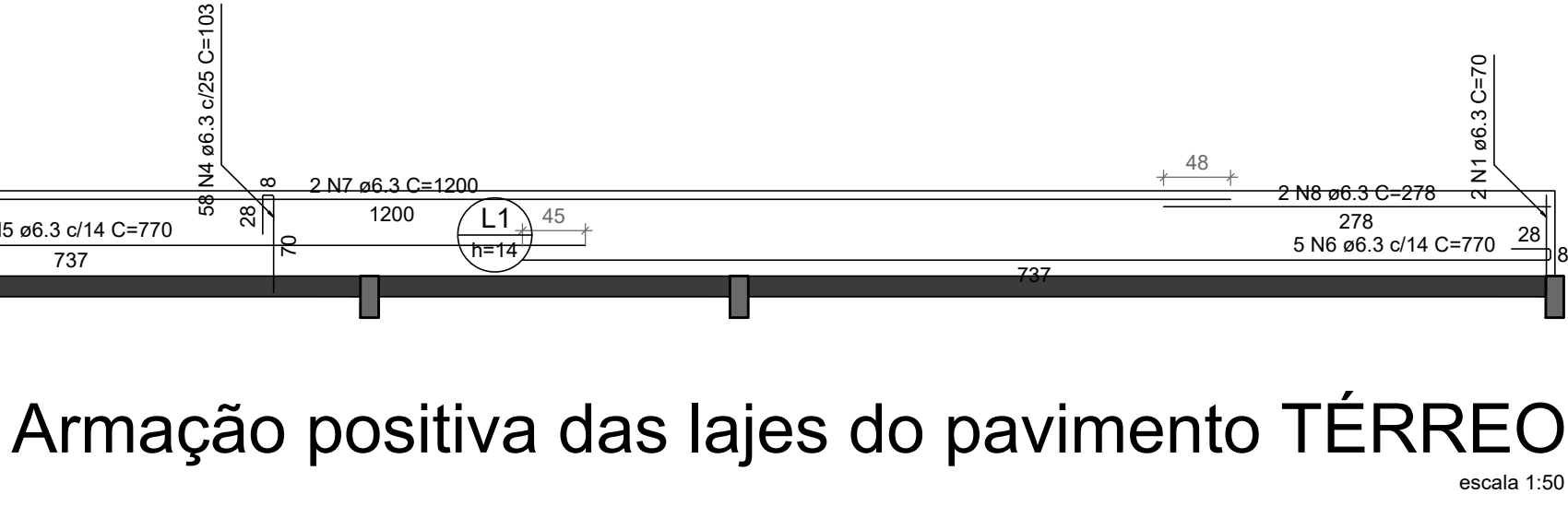
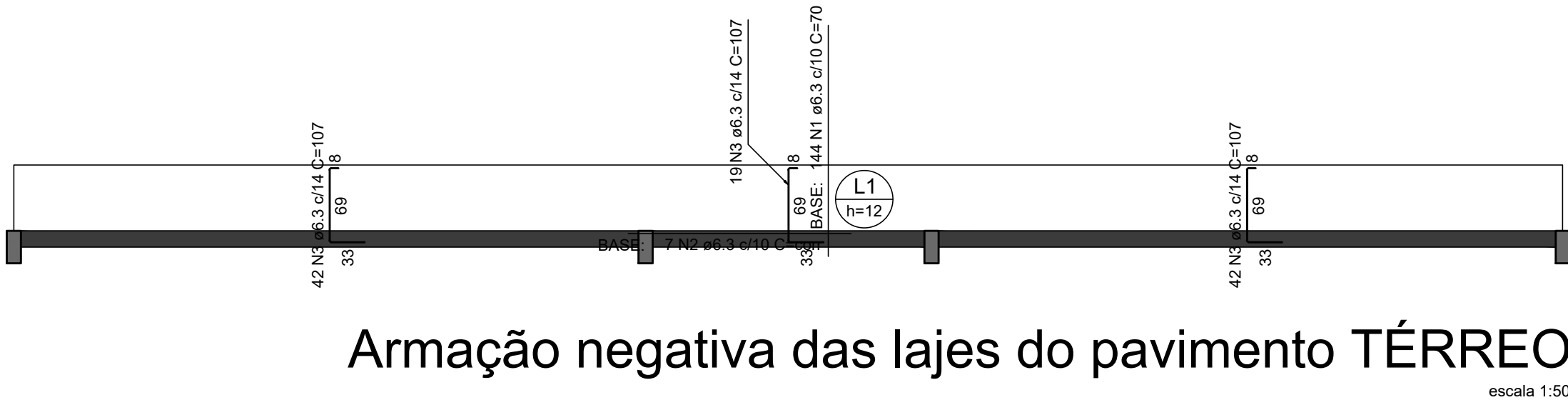
GLP 2,84 m2

2.141,46 m2

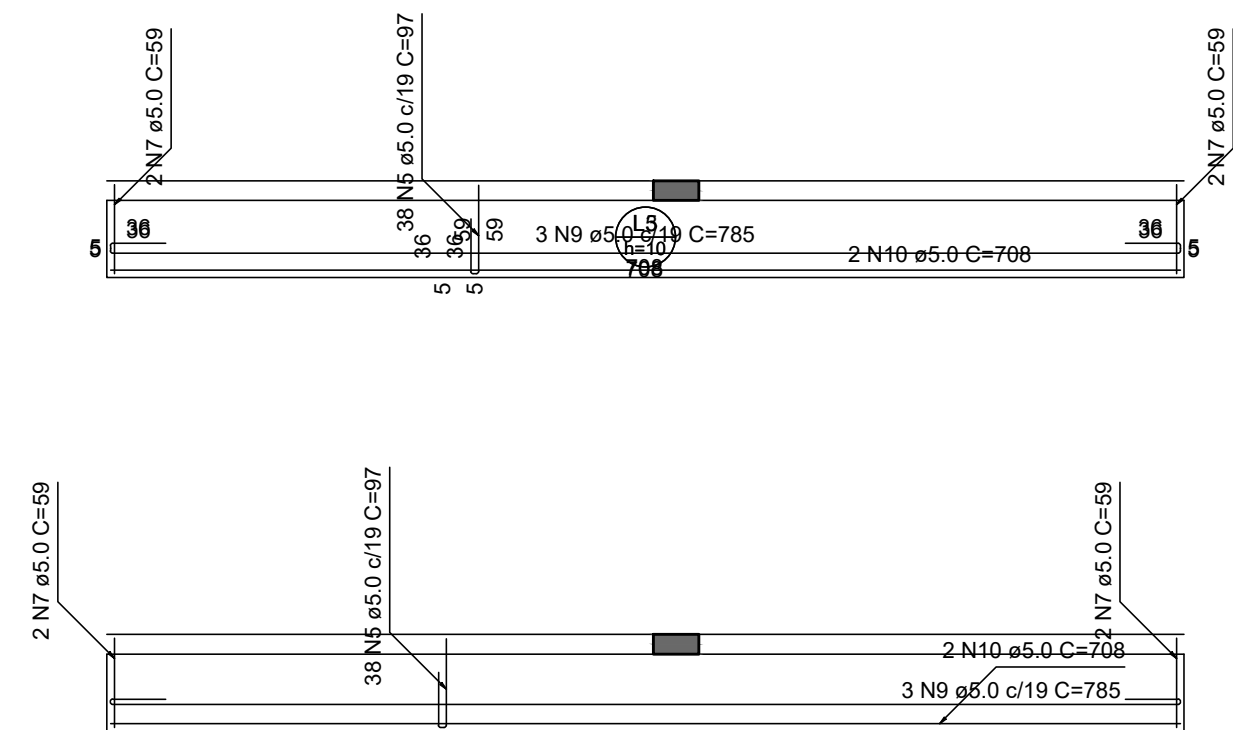
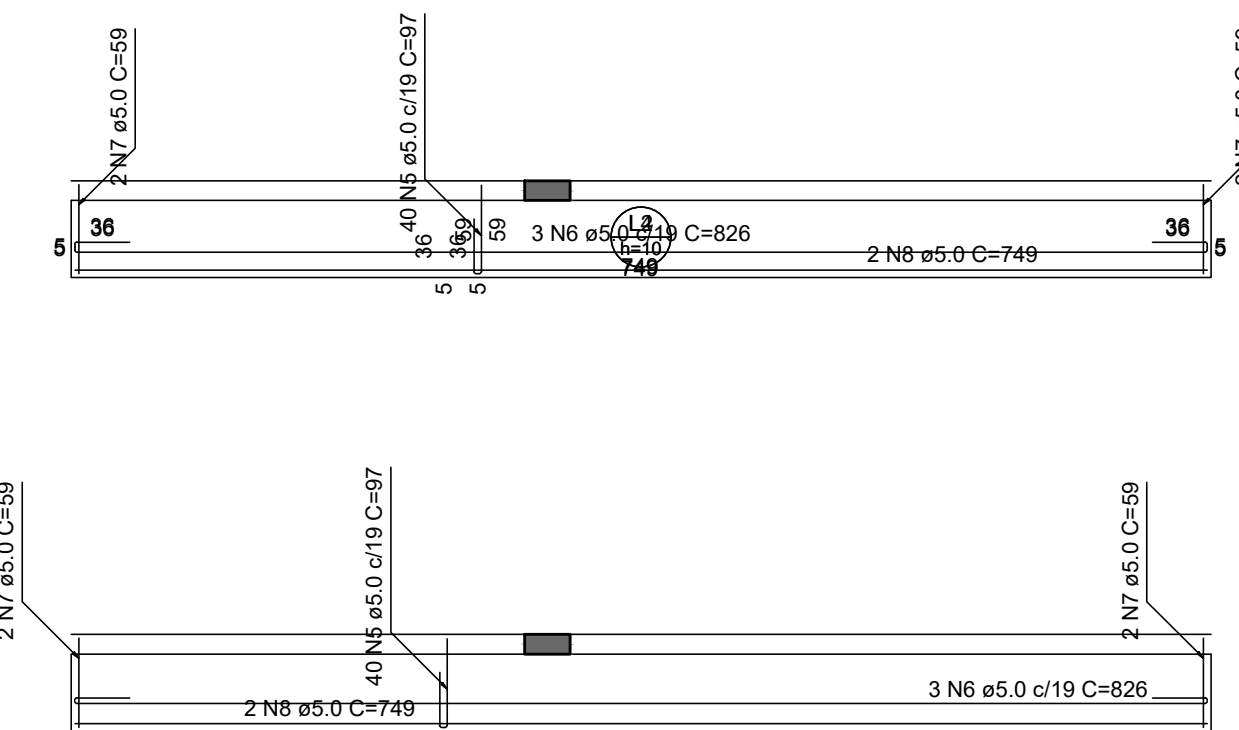
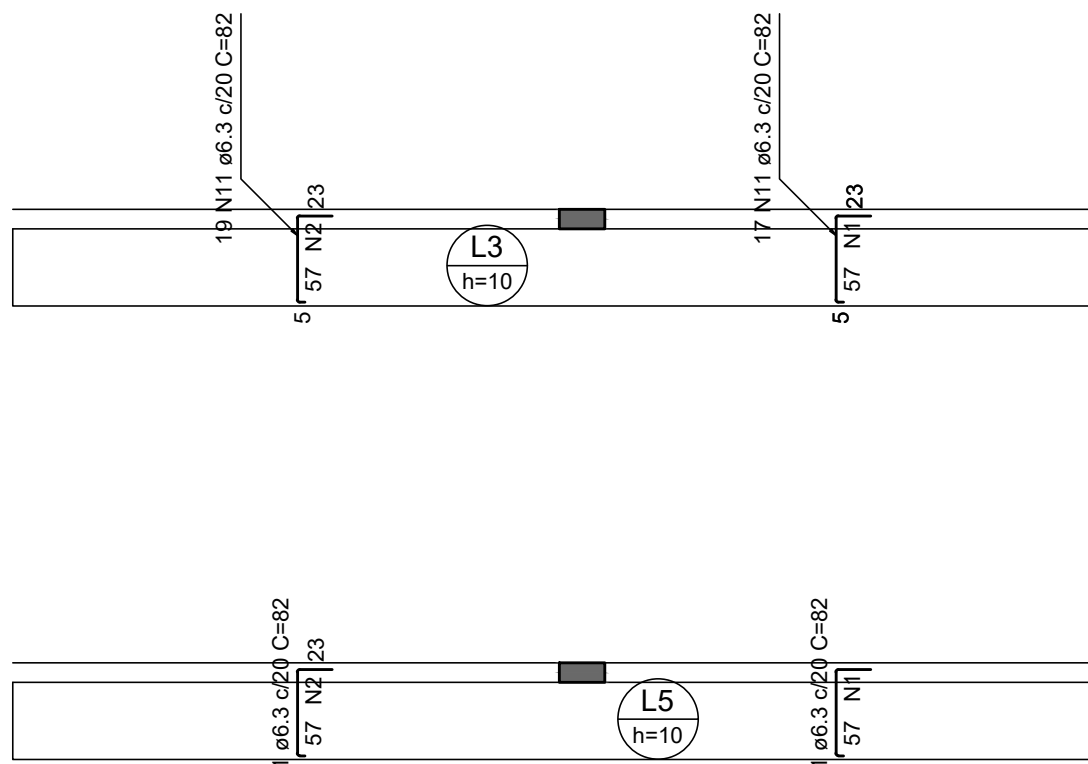
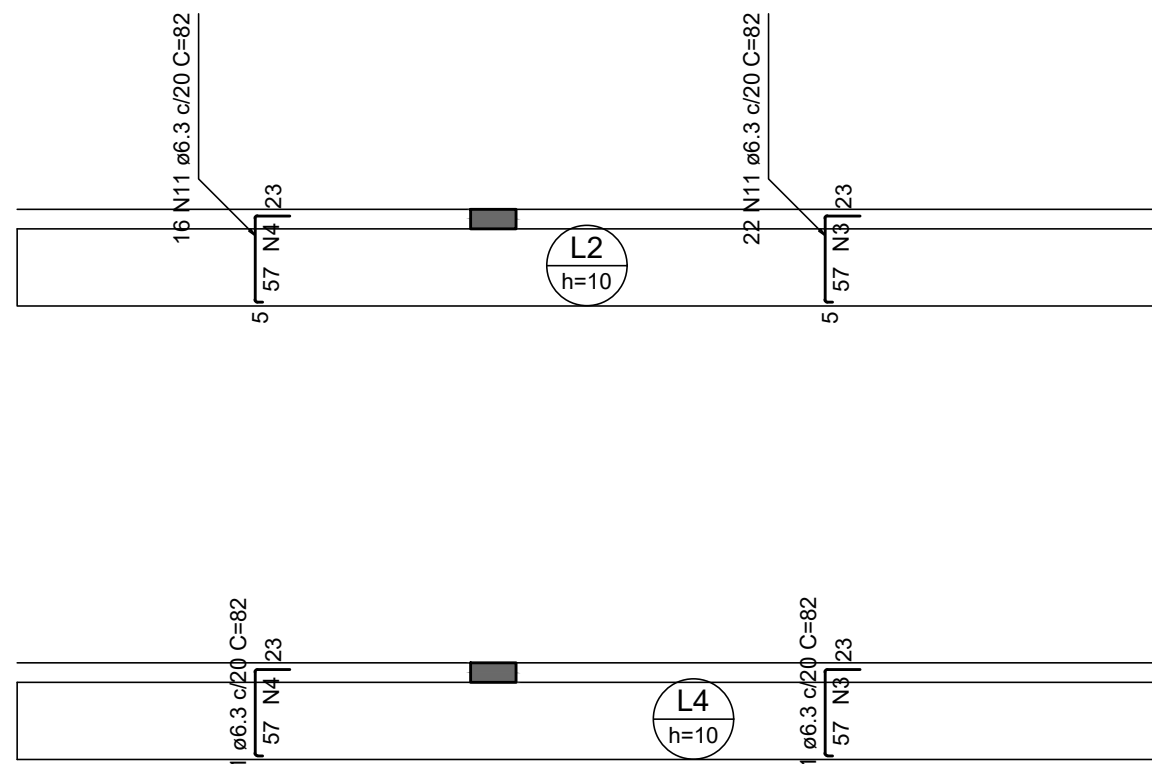
SITUAÇÃO ESQUEMÁTICA

RODRIGO HENRIQUE DELMASSO

Observações



RELAÇÃO DO AÇO					
Negativos			Positivos		
CA50	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
	1	6.3	148	70	10360
	2	6.3	7	607	10010
	3	6.3	103	107	11021
	4	6.3	58	103	5874
	5	6.3	5	770	3850
	6	6.3	5	770	3850
	7	6.3	2	1200	2400
	8	6.3	2	278	556
RESUMO DO AÇO					
AÇO	DIAM (mm)	C.TOTAL (cm)	QUANT + 10% (Barras)	PESO + 10% (kg)	
CA50	6.3	480.2	45	129.3	
PESO TOTAL (kg)		129.3			
Volume de concreto (C-25) = 1.23 m³					
Área de forma = 10.99 m²					

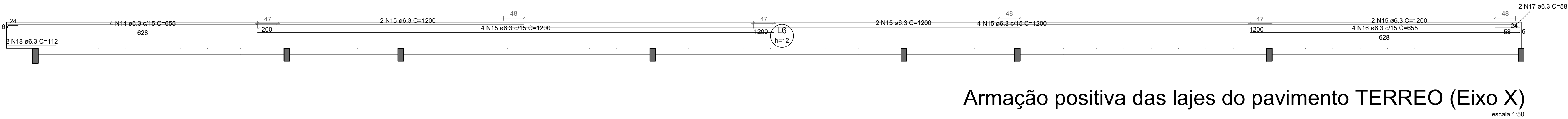


Armaduras de distribuição	
Armadura	Armadura de distribuição
N11	3 N1 a5.0 c/20 C=336
N11	3 N2 a5.0 c/20 C=377
N11	3 N3 a5.0 c/20 C=439
N11	3 N4 a5.0 c/20 C=515
N11	3 N1 a5.0 c/20 C=336
N11	3 N2 a5.0 c/20 C=377
N11	3 N3 a5.0 c/20 C=439
N11	3 N4 a5.0 c/20 C=515

RELAÇÃO DO AÇO						
Negativos		Positivos				
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)	
CA80	1	5.0	6	336	2016	
	2	5.0	6	377	2262	
	3	5.0	6	439	2634	
	4	5.0	6	515	3090	
	5	5.0	156	97	15132	
	6	5.0	6	826	4956	
	7	5.0	16	59	944	
	8	5.0	4	749	2996	
	9	5.0	6	785	4710	
	10	5.0	4	708	2832	
CA50	11	6.3	148	82	12138	
RESUMO DO AÇO						
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)			
PESO TOTAL	CA50	6.3	121.4	32.7		
	CA80	5.0	493.7	88.4		
32.7						
CA50	32.7					
CA80	88.4					
Volume de concreto (C-25) = 1.50 m³						
Área de forma = 18.40 m²						

Armação negativa das lajes do pavimento TERREO

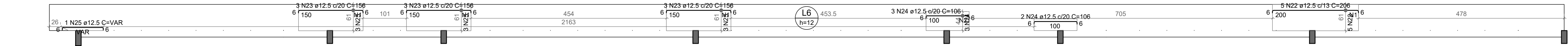
Armação positiva das lajes do pavimento TERREO



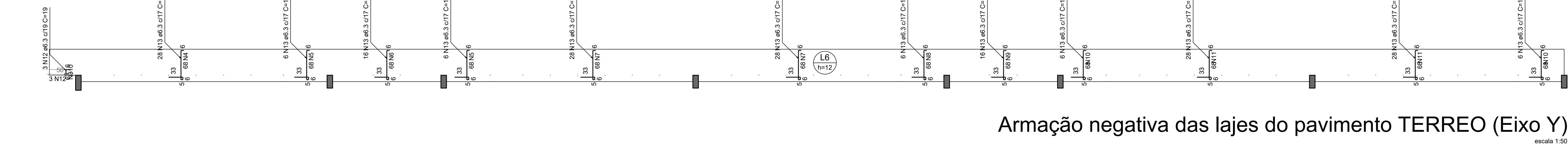
Armação positiva das lajes do pavimento TERREO (Eixo X)



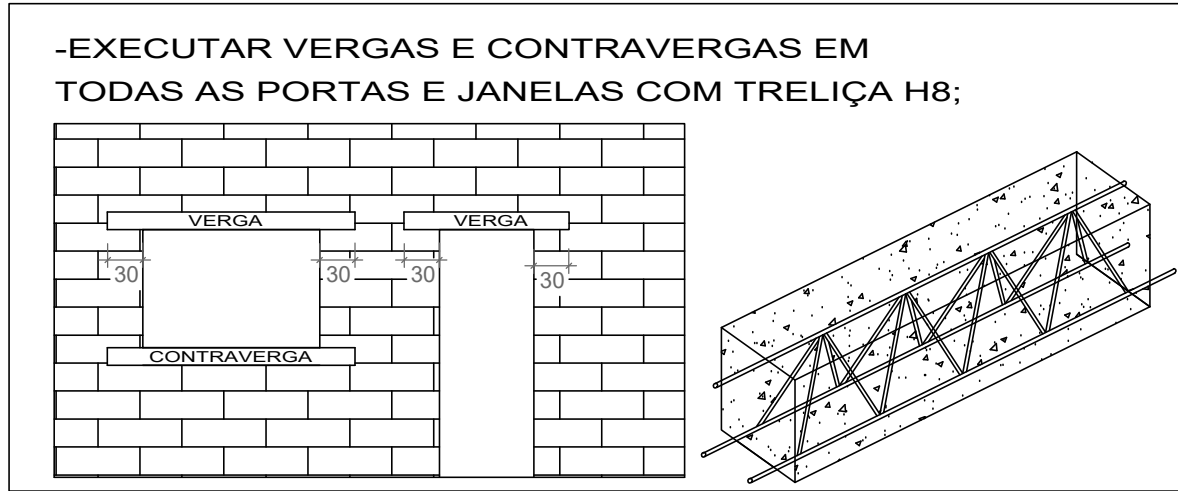
Armação positiva das lajes do pavimento TERREO (Eixo Y)



Armação negativa das lajes do pavimento TERREO (Eixo X)



Armação negativa das lajes do pavimento TERREO (Eixo Y)



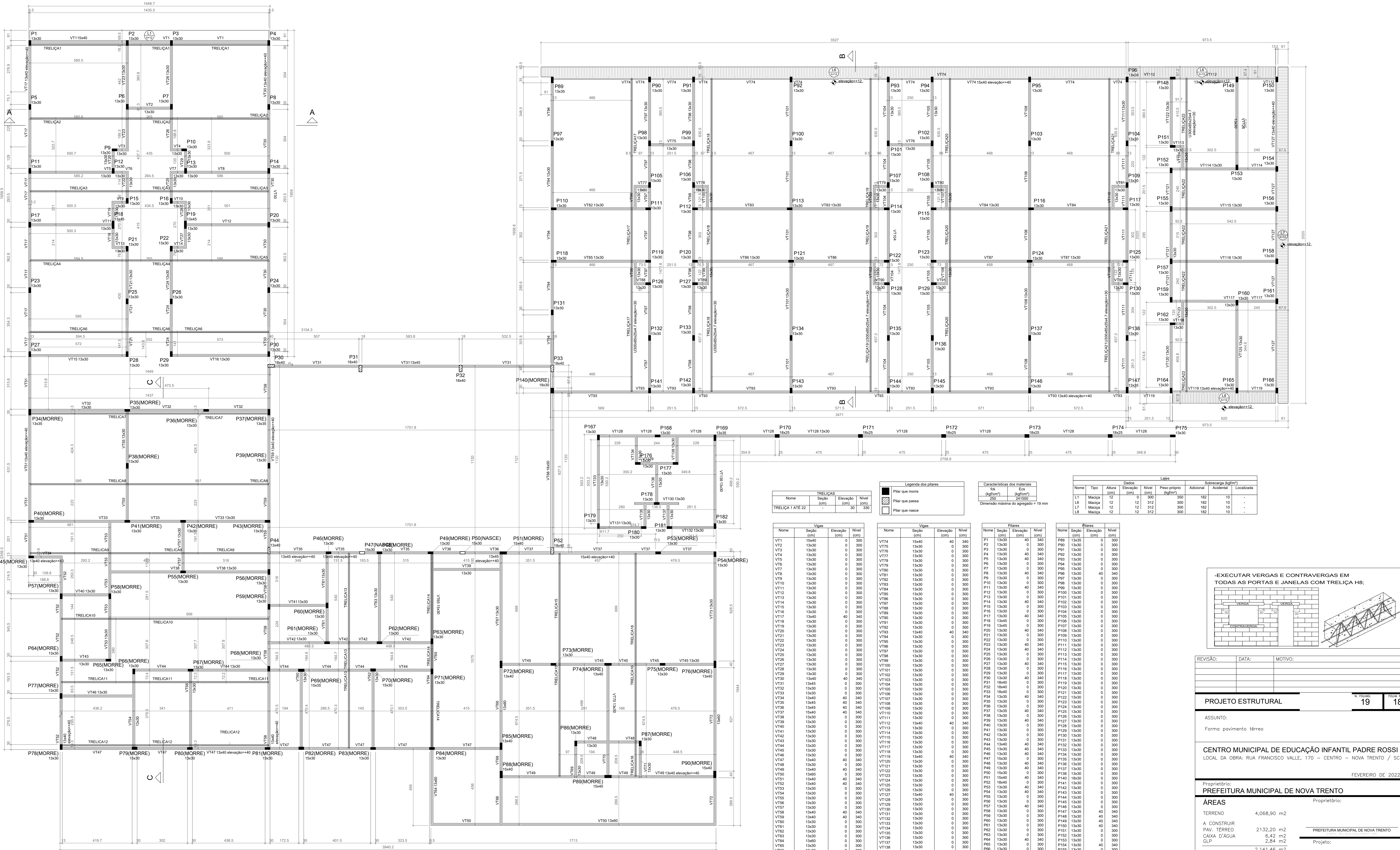
REVISÃO:	DATA:	MOTIVO:
PROJETO ESTRUTURAL		N. FOLHA: 19
ASSUNTO:		FOLHA N.: 16
Detalhes lajes pavimento térreo		
CENTRO MUNICIPAL DE EDUCAÇÃO INFANTIL PADRE ROSSI		
LOCAL DA OBRA: RUA FRANCISCO VALLE, 170 – CENTRO – NOVA TRENTO / SC		
FEVEREIRO DE 2022		
Proprietário:		
PREFEITURA MUNICIPAL DE NOVA TRENTO		
ÁREAS		
TERRENO 4,068,90 m2		
A CONSTRUIR		
PAV. TERREO 2132,20 m2		
CAIXA D'ÁGUA 6,42 m2		
GLP 2,84 m2		
2.141,46 m2		
SITUAÇÃO ESQUEMÁTICA		
OBSERVAÇÕES		



Armação positiva das lajes do pavimento TERREO

Volume de concreto (C-25) = 2.58 m³
Área de forma = 26.42 m²

Observações



Forma do pavimento TERREO (Nível 300)

escala 1/75

REVISÃO: DATA: MOTIVO:

PROJETO ESTRUTURAL

1918

ASSUNTO:

Forma pavimento térreo

CENTRO MUNICIPAL DE EDUCAÇÃO INFANTIL PADRE ROSSI

LOCAL DA OBRA: RUA FRANCISCO VALLE, 170 – CENTRO – NOVA TRENTO / SC

FEVEREIRO DE 2022

Proprietário:

PREFEITURA MUNICIPAL DE NOVA TRENTO

ÁREAS

TERRENO2.068,90 m²

A CONSTRUIR

PAV. TERREO2132,20 m²

CAIXA D'ÁGUA6,42 m²

GLP2,84 m²

2.141,46 m²

Proprietário:

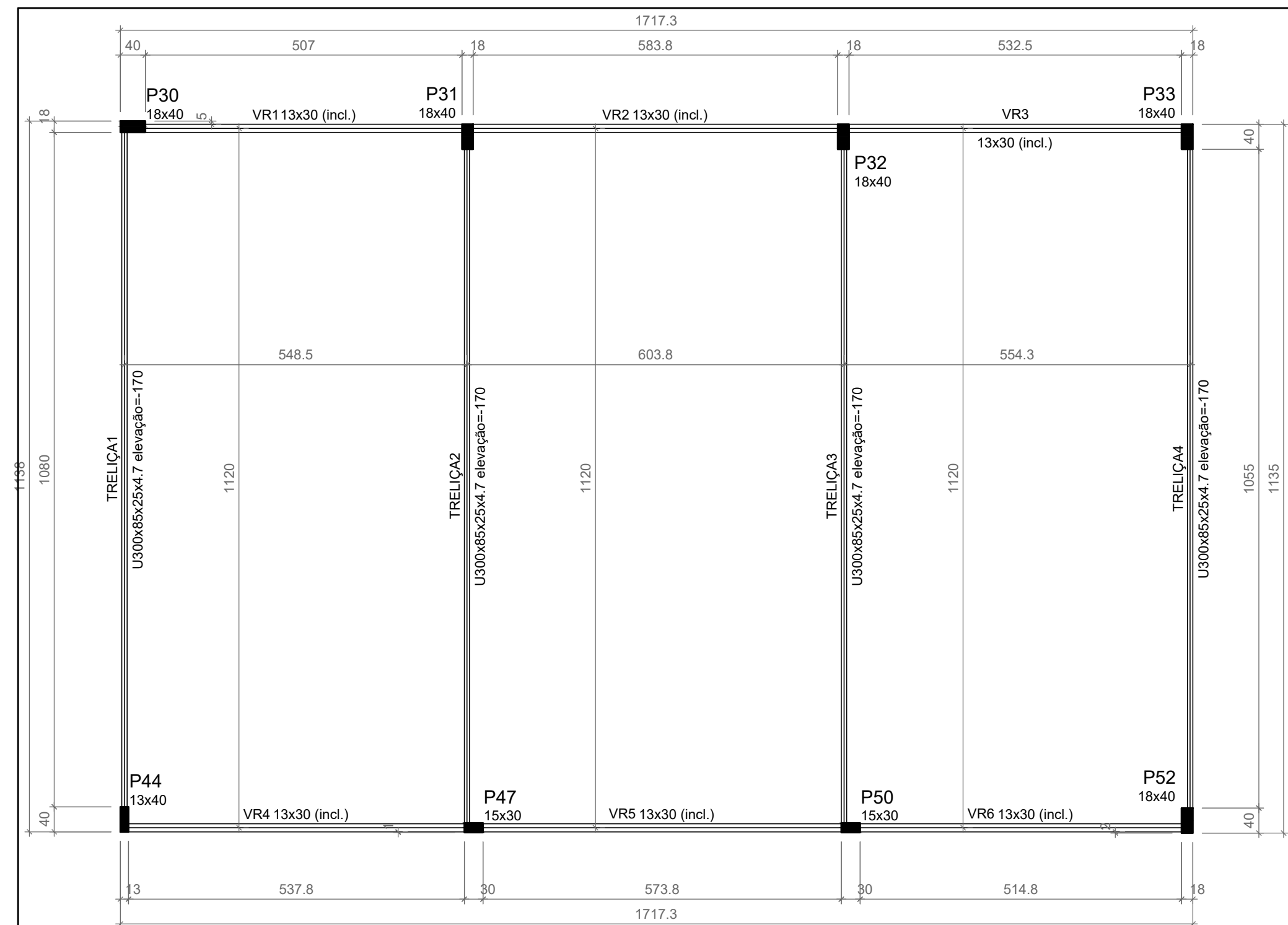
PREFEITURA MUNICIPAL DE NOVA TRENTO

Projeto:

SITUAÇÃO ESQUEMÁTICA

Observações

RODRIGO HENRIQUE DELMASSO



Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
VR1	13x30	0 / -170	670 / 500
VR2	13x30	0 / -170	670 / 500
VR3	13x30	0 / -170	670 / 500
VR4	13x30	0 / -170	670 / 500
VR5	13x30	0 / -170	670 / 500
VR6	13x30	0 / -170	670 / 500

Características dos materiais

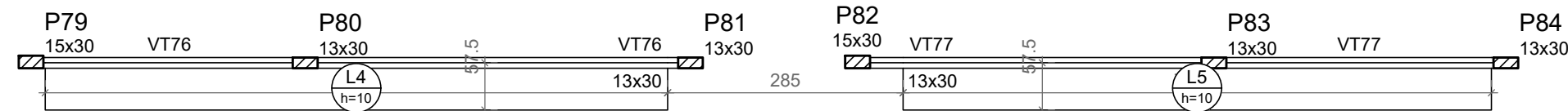
fck (kgf/cm ²)
250

Dimensão máxima do agregado = 19 mm


Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P30	18x40	0	670
P31	18x40	0	670
P32	18x40	0	670
P33	18x40	-170	500
P44	13x40	0	670
P47	15x30	0	670
P50	15x30	0	670
P52	18x40	-170	500

Legenda dos pilares	
	Pilar que morre

TRELIÇA			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
TRELIÇA1	-	-170	500
TRELIÇA2	-	-170	500
TRELIÇA3	-	-170	500
TRELIÇA4	-	-170	500

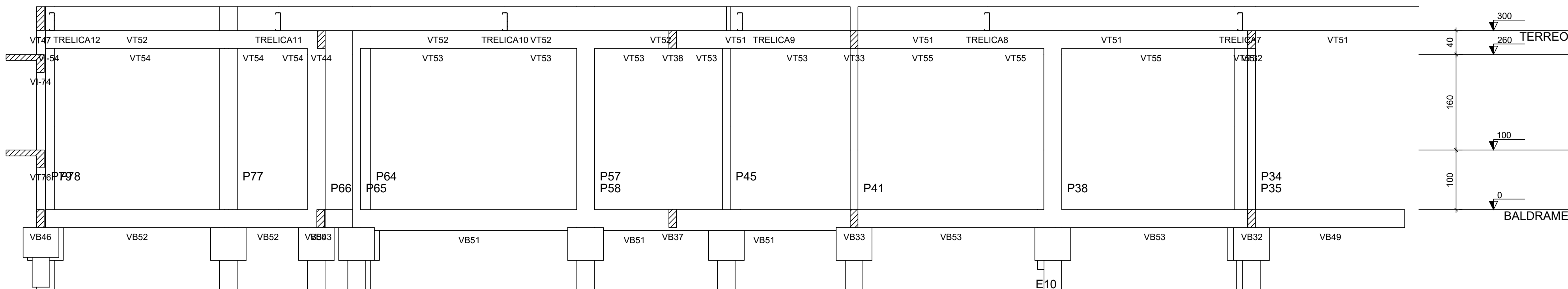
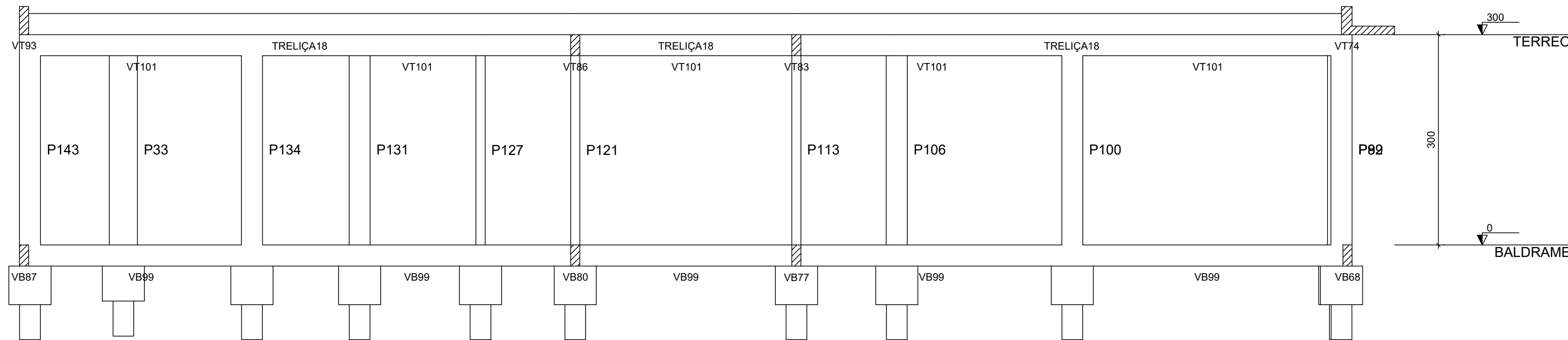
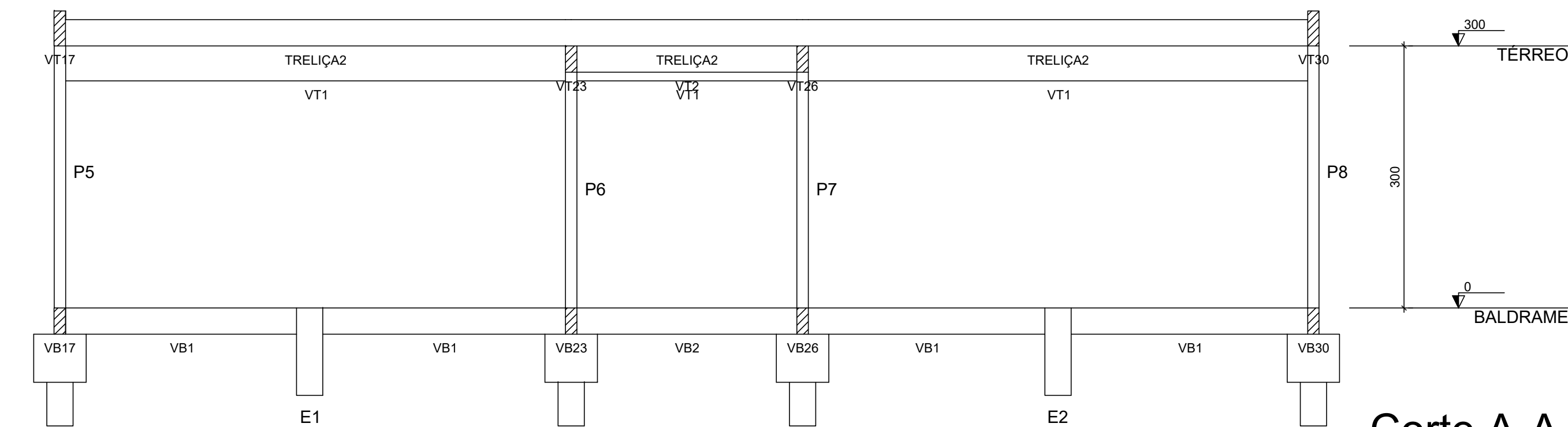


Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
VI-76	13x30	0	100
VI-77	13x30	0	100
VI-74	13x30	0	260
VI-75	13x30	0	260

Legenda dos pilares	
	Pilar que passa



Lajes								
Nome	Tipo	Dados			Peso próprio (kg/m²)	Sobrecarga (kgf/m²)		
		Altura (cm)	Elevação (cm)	Nível (cm)		Adicional	Acidental	Localizada
L2	Mação	10	0	260	250	0	0	-
L3	Mação	10	0	260	250	0	0	-
L4	Mação	10	0	100	250	0	0	-
L5	Mação	10	0	100	250	0	0	-



REVISÃO:	DATA:	MOTIVO:

PROJETO ESTRUTURAL	N. FOLHAS: 19	FOLHA N.: 19
--------------------	------------------	-----------------

ASSUNTO:
Forma pavimento Refeitório, térreo e cortes

CENTRO MUNICIPAL DE EDUCAÇÃO INFANTIL PADRE ROSSI
LOCAL DA OBRA: RUA FRANCISCO VALLE, 170 – CENTRO – NOVA TRENTO / SC

FEVEREIRO DE 2022

Proprietário:
PREFEITURA MUNICIPAL DE NOVA TRENTO

ÁREAS		Proprietário:
TERRENO	4,068,90 m2	
A CONSTRUIR		
PAV. TERREO	2132,20 m2	
CAIXA D'ÁGUA	6,42 m2	
GLP	2,84 m2	
	2.141,46 m2	

PREFEITURA MUNICIPAL DE NOVA TRENTO

16191-30, 035.006/2001-80

Projeto:

SITUAÇÃO ESQUEMÁTICA

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Observações