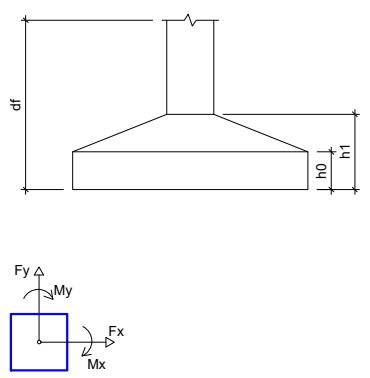



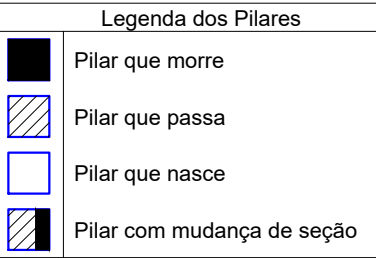
Planta de locação
escala 1:50

		Pier										Fundação				
Nome	Seção	X (cm)	Y (cm)	Carga Máx. (tf)	Carga Mín. (tf)	Mx (kgf.m)	My (kgf.m)	Fx (tf)	Fy (tf)	Lado S (cm)	Lado N (cm)	Lado H (cm)	Lado T (cm)	H0 (cm)	H1 (cm)	d (cm)
P1	20x30	2833.78	3200.00	1.9	1.4	0	300	0.2	0.1	70	60	20	30	100	25	120
P2	20x30	3248.78	3200.00	2.3	1.8	200	100	0.1	0.2	60	70	25	25	100	25	120
P3	20x30	3518.78	3200.00	2.2	1.6	200	200	0.3	0.2	60	70	25	25	100	25	120
P4	20x30	3938.78	3200.00	2.5	2.1	200	100	0.2	0.3	60	70	25	25	100	25	120
P5	20x30	4358.78	3200.00	2.2	1.8	200	100	0.2	0.2	60	70	25	25	100	25	120
P6	20x30	4628.78	3200.00	2.2	1.8	200	200	0.2	0.2	60	70	25	25	100	25	120
P7	20x30	5043.78	3200.00	2.5	2.1	200	100	0.1	0.2	60	70	25	25	100	25	120
P8	20x30	5263.78	3200.00	2.2	1.6	200	100	0.2	0.2	60	70	25	25	100	25	120
P9	20x30	5468.78	3200.00	2.2	1.8	200	200	0.2	0.2	60	70	25	25	100	25	120
P10	20x30	5738.78	3200.00	1.8	1.4	200	200	0.2	0.2	60	70	25	25	100	25	120
P11	20x30	6153.78	3200.00	2.2	1.8	200	100	0.1	0.2	60	70	25	25	100	25	120
P12	20x30	2833.78	2887.50	1.7	1.4	0	300	0.1	0.2	60	70	20	30	100	25	120
P13	20x30	3248.78	2887.50	1.6	1.4	200	100	0.1	0.2	0	0	0	0	100	25	120
P14	20x30	3518.78	2887.50	1.6	1.4	200	100	0.1	0.2	0	0	0	0	100	25	120
P15	20x30	3938.78	2887.50	1.6	1.4	200	100	0.1	0.2	0	0	0	0	100	25	120
P16	20x30	4358.78	2887.50	1.6	1.4	200	100	0.1	0.2	0	0	0	0	100	25	120
P17	20x30	4628.78	2887.50	1.6	1.4	200	100	0.1	0.2	0	0	0	0	100	25	120
P18	20x30	5043.78	2887.50	1.6	1.4	200	100	0.1	0.2	0	0	0	0	100	25	120
P19	20x30	5263.78	2887.50	1.6	1.4	200	100	0.1	0.2	0	0	0	0	100	25	120
P20	20x30	5468.78	2887.50	1.6	1.4	200	100	0.1	0.2	0	0	0	0	100	25	120
P21	20x30	5738.78	2887.50	1.6	1.4	200	100	0.1	0.2	0	0	0	0	100	25	120
P22	20x30	6153.78	2887.50	1.6	1.4	200	100	0.1	0.2	0	0	0	0	100	25	120
P23	20x30	2833.78	2580.00	2.2	1.9	0	300	0.2	0.2	70	60	20	30	100	25	120
P24	20x30	3248.78	2580.00	2.3	1.8	200	200	0.2	0.2	60	70	25	25	100	25	120
P25	20x30	3518.78	2580.00	2.2	1.8	200	100	0.2	0.2	60	70	25	25	100	25	120
P26	20x30	3938.78	2580.00	2.2	1.8	200	200	0.3	0.2	60	70	25	25	100	25	120
P27	20x30	4358.78	2580.00	2.5	2.1	200	100	0.1	0.2	60	70	25	25	100	25	120
P28	20x30	4628.78	2580.00	2.2	1.8	200	100	0.2	0.2	60	70	25	25	100	25	120
P29	20x30	5043.78	2580.00	2.2	1.8	200	100	0.2	0.2	60	70	25	25	100	25	120
P30	20x30	5263.78	2580.00	2.1	1.9	200	200	0.2	0.2	60	70	25	25	100	25	120
P31	20x30	5468.78	2580.00	2.2	1.8	0	300	0.2	0.2	70	60	20	30	100	25	120
P32	20x30	5738.78	2580.00	2.3	1.8	200	100	0.1	0.2	60	70	25	25	100	25	120
P33	20x30	6153.78	2580.00	2.6	2.3	200	200	0.2	0.2	60	70	25	25	100	25	120
P34	20x30	2833.78	2305.00	2.5	2.1	200	100	0.1	0.2	60	70	25	25	100	25	120
P35	20x30	3248.78	2305.00	2.6	2.3	200	100	0.2	0.2	60	70	25	25	100	25	120
P36	20x30	3518.78	2305.00	2.2	1.8	200	100	0.2	0.2	60	70	25	25	100	25	120
P37	20x30	3938.78	2305.00	2.3	1.8	200	100	0.2	0.2	60	70	25	25	100	25	120
P38	20x30	4358.78	2305.00	2.2	1.8	200	100	0.2	0.2	60	70	25	25	100	25	120
P39	20x30	4628.78	2305.00	2.1	1.9	200	200	0.2	0.4	60	70	25	25	100	25	120
P40	20x30	5043.78	2305.00	2.8	2.4	200	200	0.3	0.3	60	70	25	25	100	25	120
P41	20x30	5263.78	2305.00	2.7	2.4	200	200	0.3	0.2	60	70	25	25	100	25	120
P42	20x30	5468.78	2305.00	1.7	1.5	0	300	0.1	0.2	60	70	20	30	100	25	120
P43	20x30	5738.78	2305.00	1.7	1.5	200	100	0.1	0.2	0	0	0	0	100	25	120
P44	20x30	6153.78	2305.00	1.6	1.4	200	100	0.1	0.2	0	0	0	0	100	25	120
P45	20x30	2833.78	1992.50	1.6	1.4	200	100	0.1	0.2	0	0	0	0	100	25	120
P46	20x30	3248.78	1992.50	1.6	1.4	200	100	0.1	0.2	0	0	0	0	100	25	120
P47	20x30	3518.78	1992.50	1.7	1.4	200	100	0.1	0.2	0	0	0	0	100	25	120
P48	20x30	3938.78	1992.50	2.7	2.4	200	200	0.3	0.3	60	70	25	25	100	25	120
P49	20x30	4358.78	1992.50	2.7	2.4	200	200	0.3	0.2	60	70	25	25	100	25	120
P50	20x30	4628.78	1992.50	1.9	1.4	0	300	0.2	0.1	70	60	20	30	100	25	120
P51	20x30	5043.78	1992.50	2.2	1.8	200	100	0.1	0.2	60	70	25	25	100	25	120
P52	20x30	5263.78	1992.50	2.5	2.1	200	100	0.1	0.2	60	70	25	25	100	25	120
P53	20x30	5468.78	1992.50	2.2	1.8	200	100	0.2	0.2	60	70	25	25	100	25	120
P54	20x30	5738.78	1992.50	2.2	1.8	200	100	0.2	0.2	60	70	25	25	100	25	120
P55	20x30	6153.78	1992.50	2.2	1.8	200	100	0.2	0.2	60	70	25	25	100	25	120
P56	20x30	2833.78	1620.00	2.2	1.8	200	200	0.2	0.2	60	70	25	25	100	25	120
P57	20x30	3248.78	1620.00	2.8	2.4	200	200	0.1	0.3	60	70	25	25	100	25	120
P58	20x30	3518.78	1620.00	2.7	2.4	200	200	0.3	0.3	60	70	25	25	100	25	120
P59	20x30	3938.78	1620.00	2.7	2.4	200	200	0.3	0.2	60	70	25	25	100	25	120
P60	20x30	4358.78	1620.00	2.7	2.4	200	200	0.3	0.2	60	70	25	25	100	25	120
P61	20x30	4628.78	1620.00	2.7	2.4	200	200	0.3	0.2	60	70	25	25	100	25	120
P62	20x30	5043.78	1620.00	2.2	1.8	200	200	0.3	0.2	60	70	25	25	100	25	120

Coordenadas		Localização no eixo X		Coordenadas		Localização no eixo Y	
(cm)	Nome	(cm)	Nome	(cm)	Nome	(cm)	Nome
2833.78	P1, P11	3200.00	P2, P3, P4, P5, P6, P7, P8, P9	3200.00	P1, P10	3200.00	P2, P3, P4, P5, P6, P7, P8, P9
3248.78	P1, P21, P31, P41	2887.50	P12, P13, P14, P15	2887.50	P1, P16, P17, P18, P19, P20	2887.50	P12, P13, P14, P15
3518.78	P3, P13, P23, P33, P43, P53	2580.00	P21, P31, P41, P51	2580.00	P2, P22, P32, P42, P52, P27, P28, P29	2580.00	P21, P31, P41, P51
3938.78	P5, P15, P25, P35, P45, P55	2305.00	P32, P42, P52, P62	2305.00	P3, P13, P23, P33, P43, P53	2305.00	P32, P42, P52, P62
4358.78	P7, P17, P27, P37, P47	1992.50	P43, P53, P63	1992.50	P5, P15, P25, P35, P45, P55	1992.50	P43, P53, P63
4628.78	P9, P19, P29, P39, P49, P59	1620.00	P53, P63	1620.00	P7, P17, P27, P37, P47	1620.00	P53, P63
5043.78	P11, P21, P31, P41, P51	1200.00	P63, P64, P65, P66	1200.00	P9, P19, P29, P39, P49, P59	1200.00	P63, P64, P65, P66
5263.78	P13, P23, P33, P43, P53						
5468.78	P15, P25, P35, P45, P55						
5738.78	P17, P27, P37, P47						
6153.78	P19, P29, P39, P49, P59, P62						
	P20						



 PREFEITURA MUNICIPAL DE CAMPOS DE JÚLIO DEPARTAMENTO DE ENGENHARIA Avenida Valdir Masutti, nº 1999, Bom Jardim - Campos de Júlio Fone: 0xx65-3387-2800			
Obra: Creche Pequeno Príncipe		Área de Obra: 1573,20 m²	
Responsável Técnico: LUIZ CARLOS CORREIA DE OLIVEIRA CREA: 120249122		Escalas: Indicadas	
Data: 25/03/2022		Assinatura: Eduardo R. Tosetto	

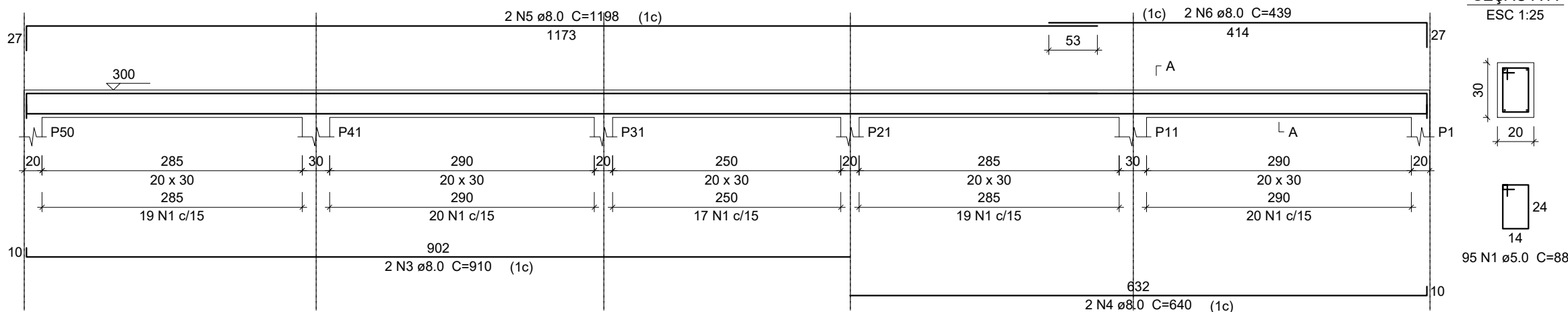


Forma do pavimento TÉRREO

		<p align="center">PREFEITURA MUNICIPAL DE</p> <p align="center">CAMPOS DE JÚLIO</p> <p align="center">DEPARTAMENTO DE ENGENHARIA</p>	
		<p align="center">Avenida Valdir Masutti, nº 1999, Bom Jardim - Campos de Júlío</p> <p align="center">Fone: 0xx65-3387-2800</p>	
Obra:	Creche Pequeno Príncipe	Área de Obra:	1573,20 m ²
Contrato:	Prefeitura Municipal de Campos de Júlío	Responsável Técnico LUIZ CARLOS CORREIA DE OLIVEIRA CREA-1162479/2122	Indicações
Data:	25/03/2022	Desenho:	Folha:

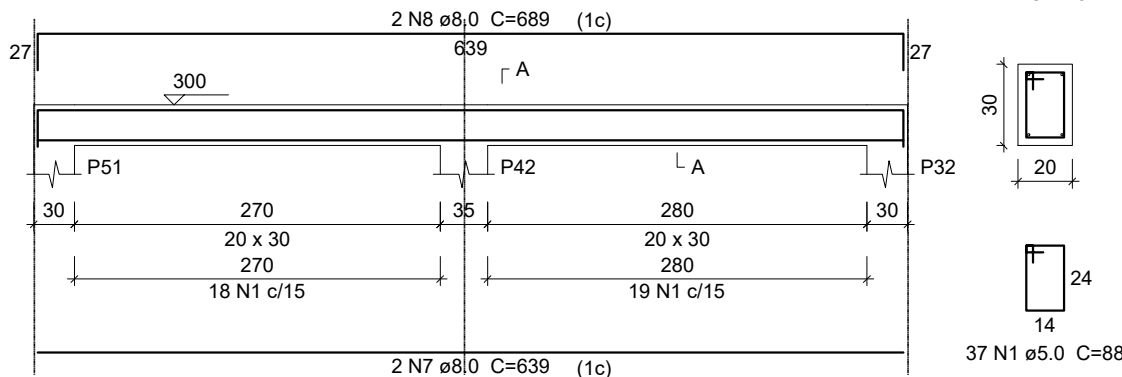
V8

ESC 1:50



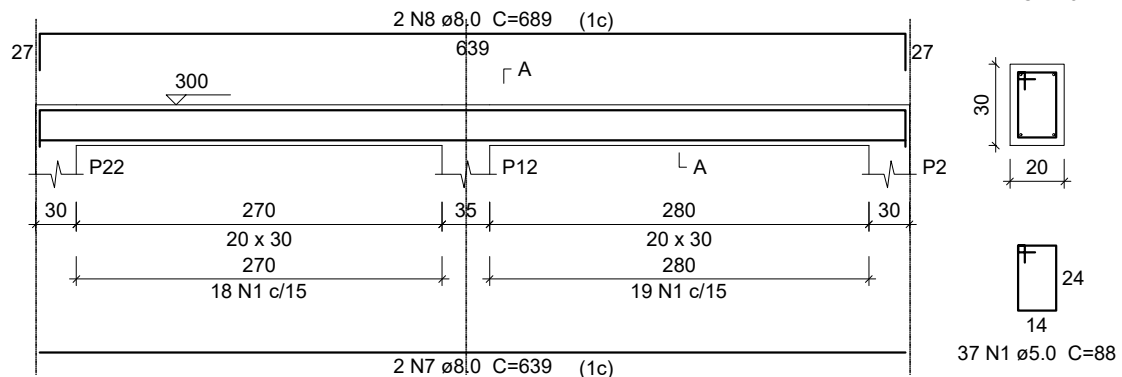
V9

ESC 1:50



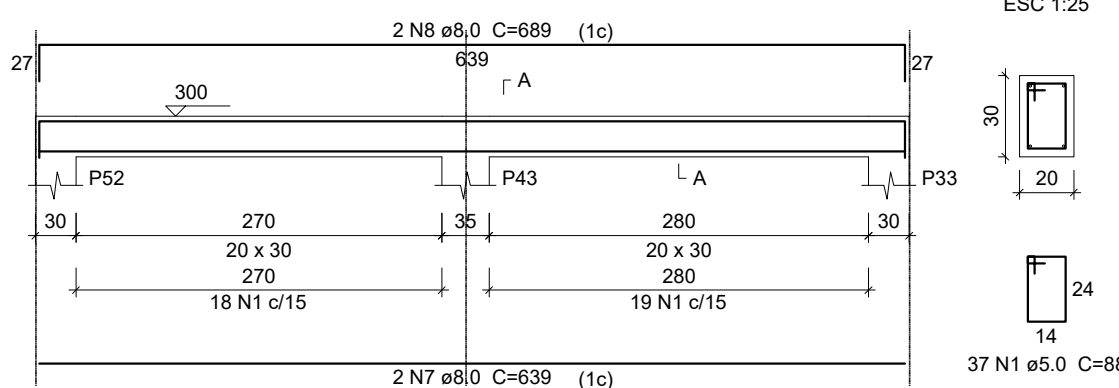
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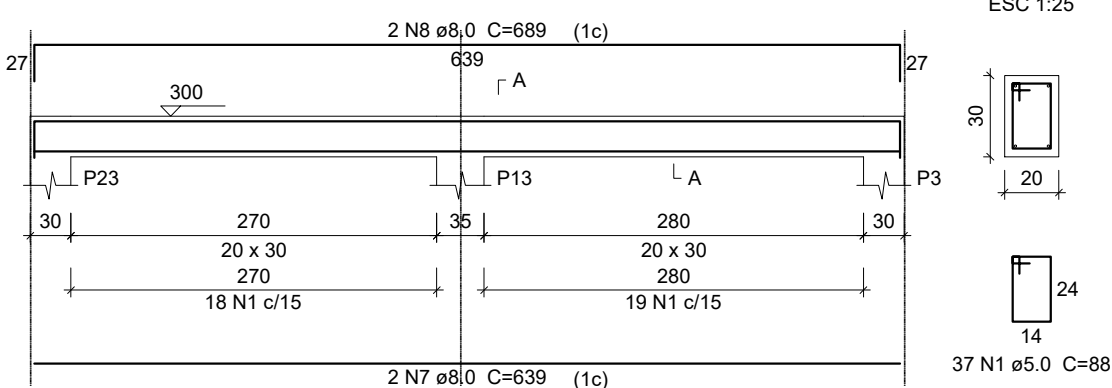
V11

ESC 1:50



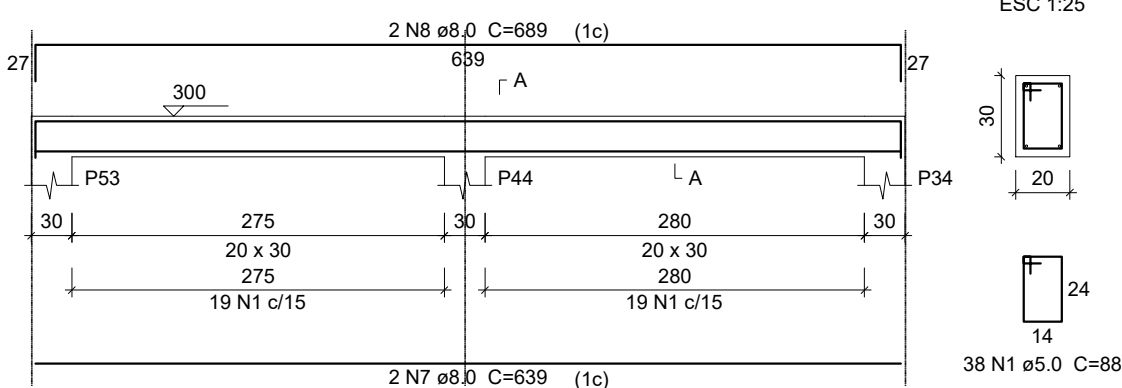
V12

ESC 1:50



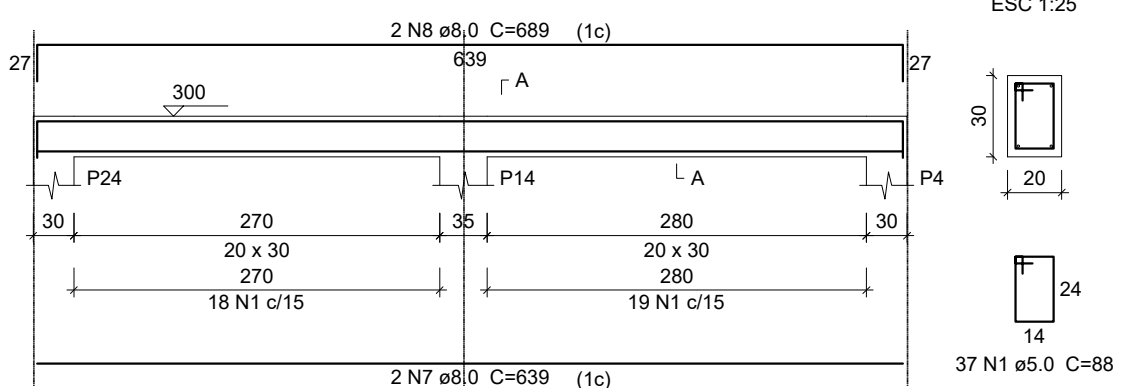
V13

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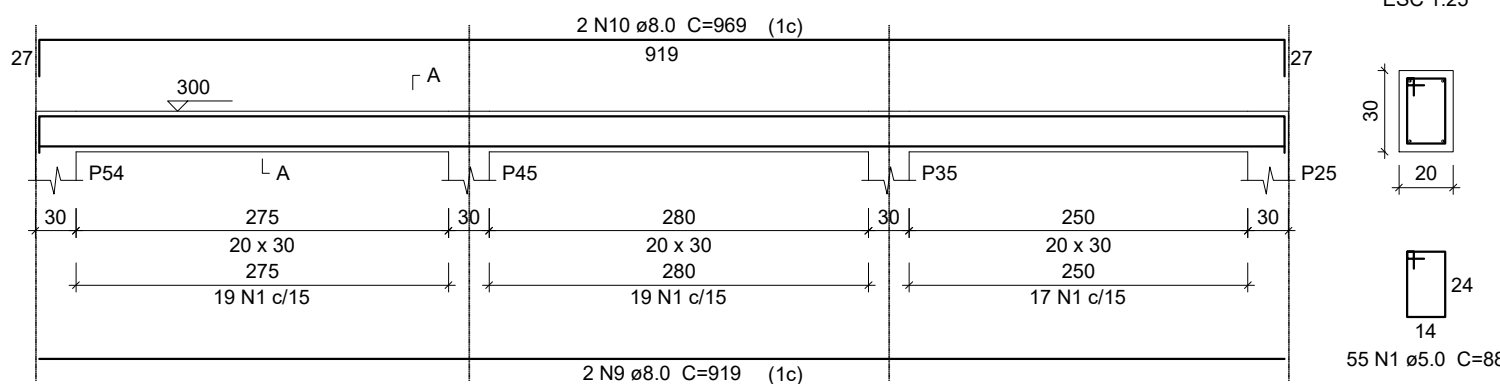
V14

ESC 1:50



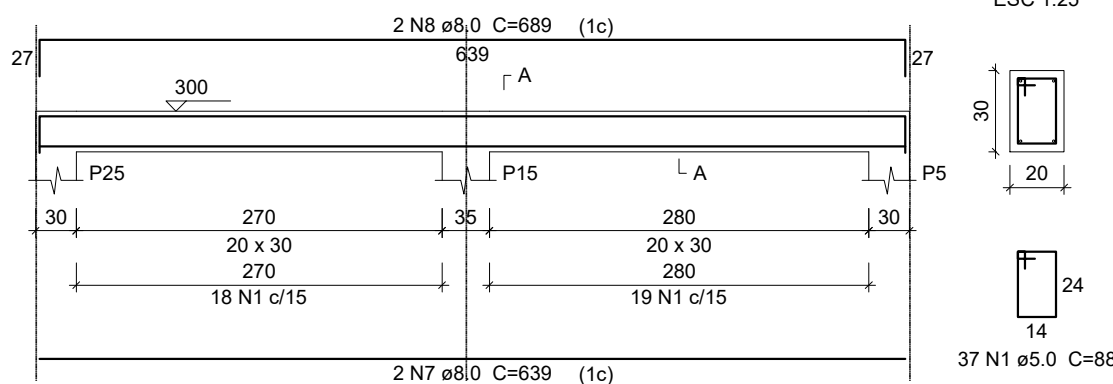
V15

ESC 1:50



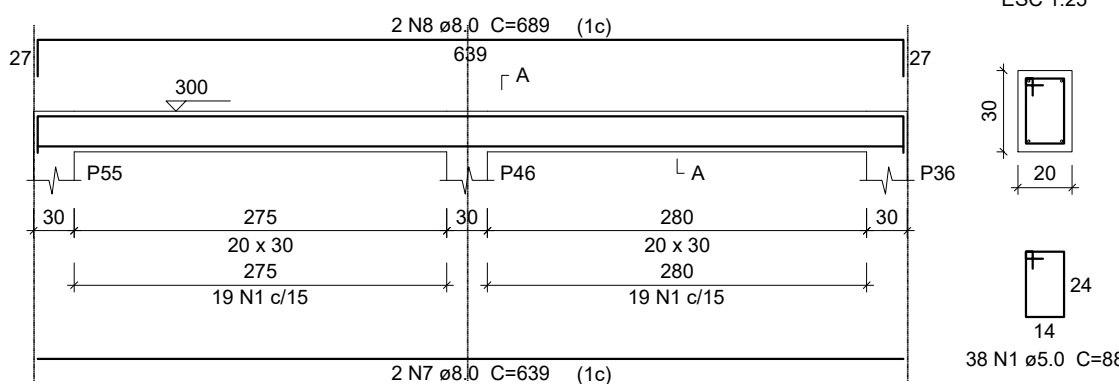
V16

ESC 1:50



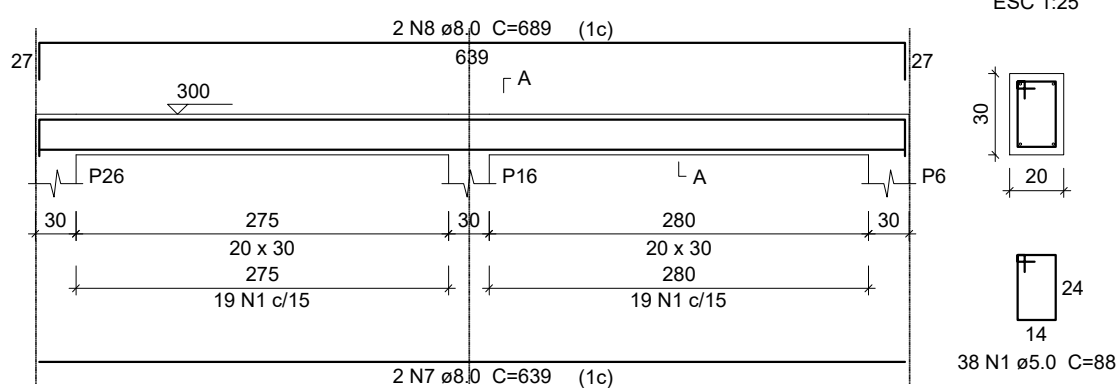
V17

ESC 1:50



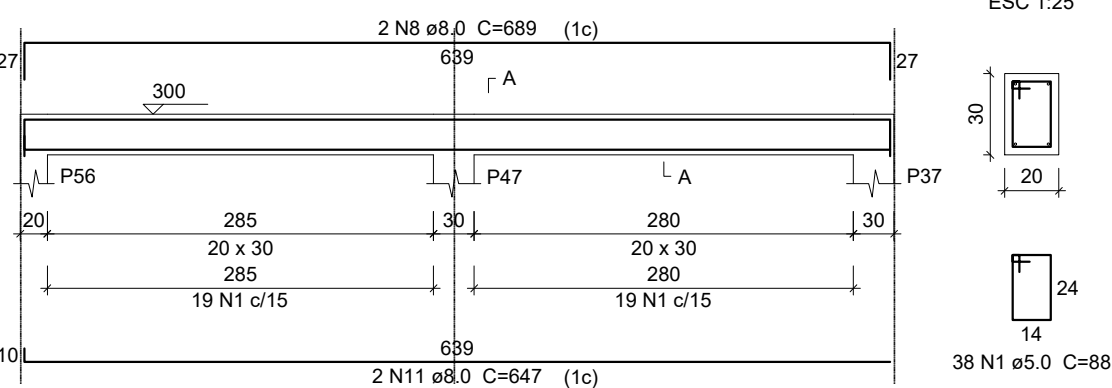
V18

ESC 1:50



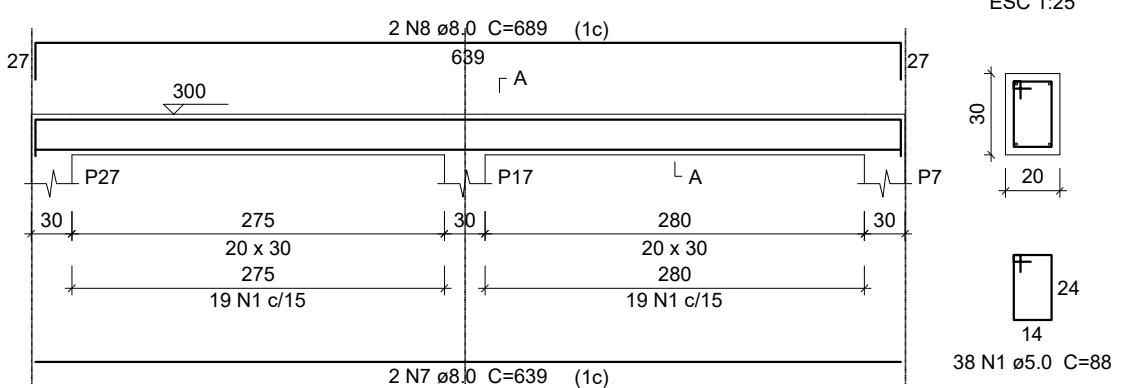
V19

ESC 1:50



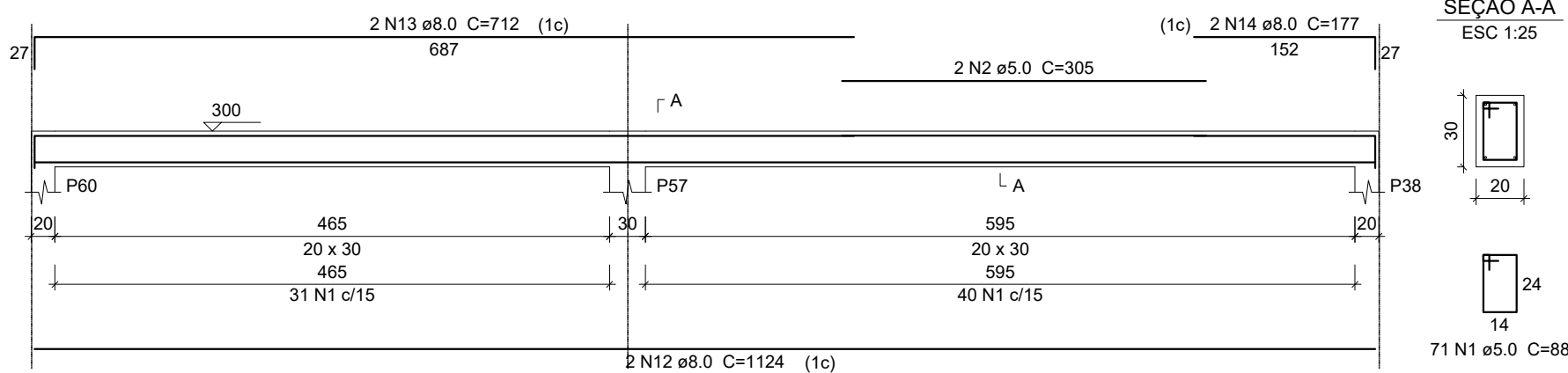
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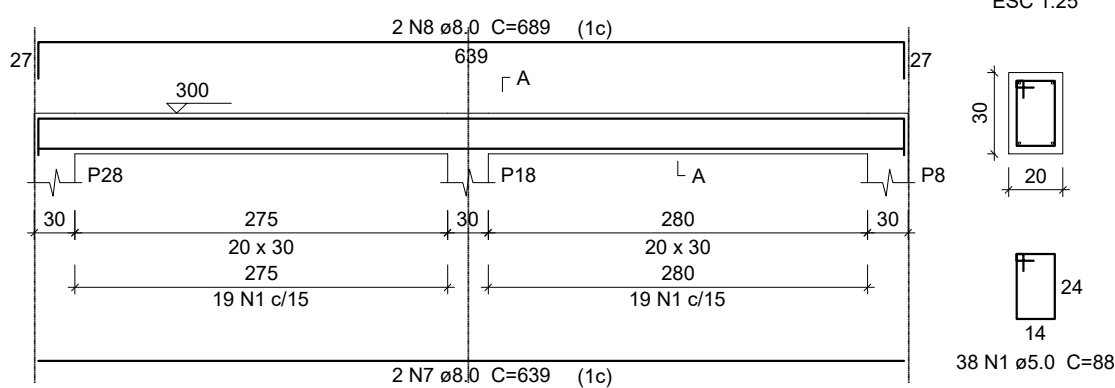
V21

ESC 1:50



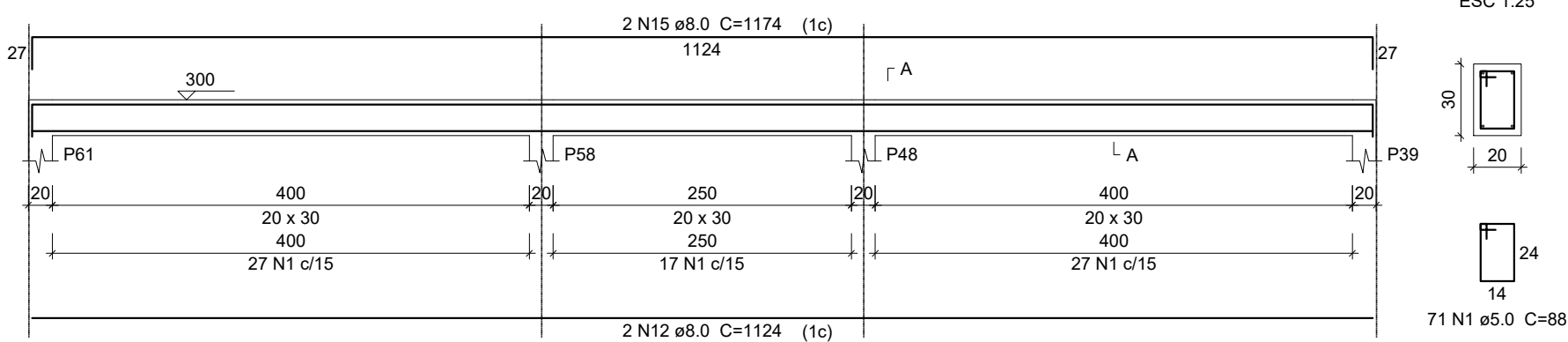
V22

ESC 1:50



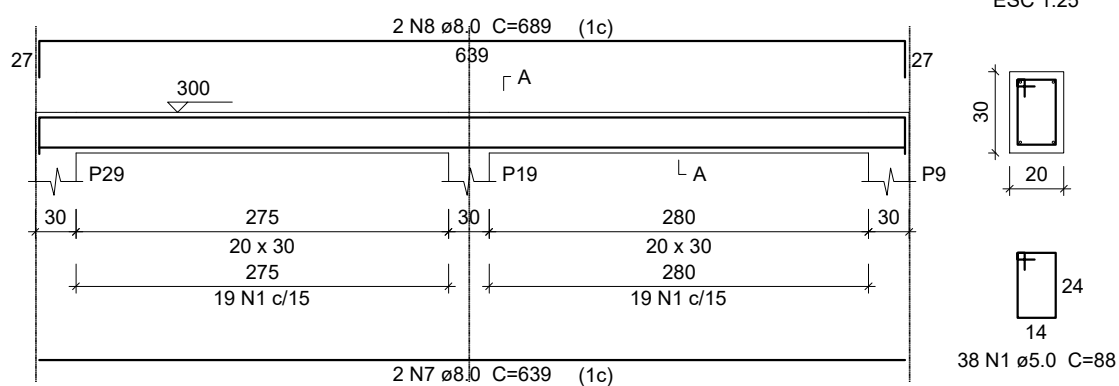
V23

ESC 1:50



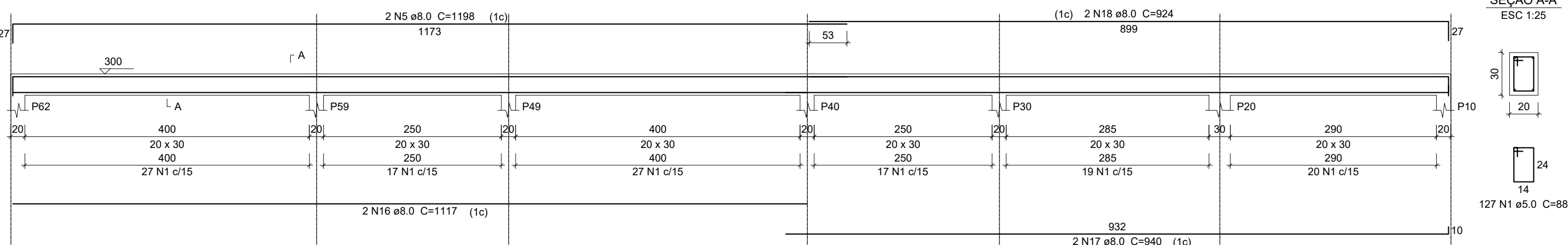
V24

ESC 1:50



V25

ESC 1:50



Relação do aço

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
V8	1	5.0	907	88	79816
V11	2	5.0	2	305	610
V14	3	8.0	2	910	1820
V17	4	8.0	2	640	1280
V20	5	8.0	4	1198	4792
V23	6	8.0	2	439	878
	7	8.0	24	639	15336
	8	8.0	26	689	17914
	9	8.0	2	919	1838
	10	8.0	2	959	1938
	11	8.0	2	647	1294
	12	8.0	4	1124	4496
	13	8.0	2	712	1424
	14	8.0	2	177	354
	15	8.0	2	1174	2348
	16	8.0	2	1117	2234
	17	8.0	2	940	1880
	18	8.0	2	924	1848

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	616.8	267.7
CA60	5.0	804.3	136.4
PESO TOTAL (kg)			
CA50	267.7		
CA60	136.4		

Volume de concreto (C-25) = 9.98 m³
Área de forma = 133.18 m²



**PREFEITURA MUNICIPAL DE
CAMPOS DE JÚLIO**
DEPARTAMENTO DE ENGENHARIA

Avenida Valdir Masutti, nº 1999, Bom Jardim - Campos de Júlio
Fone:0xx65-3387-2800

Obra: Creche Pequeno Príncipe

Área de Obra: 1573,20 m²

Concedido: Prefeitura Municipal de Campos de Júlio

Projeto Estrutural

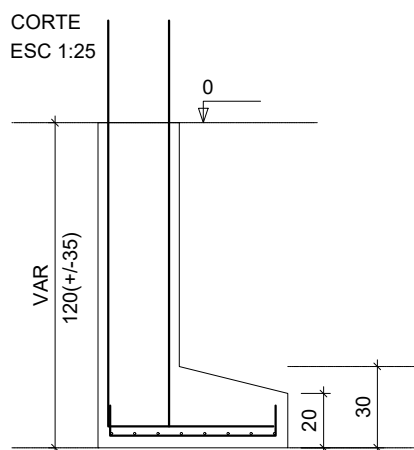
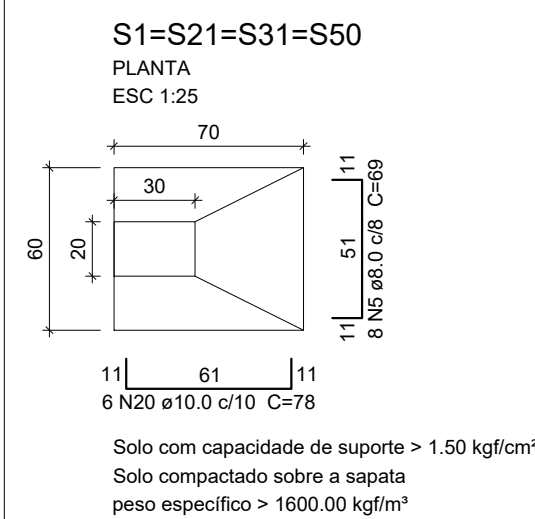
RESPONSÁVEL TÉCNICO
LUIZ CARLOS CORREIA DE OLIVEIRA
CREA-1202479122

Escala: Indicadas

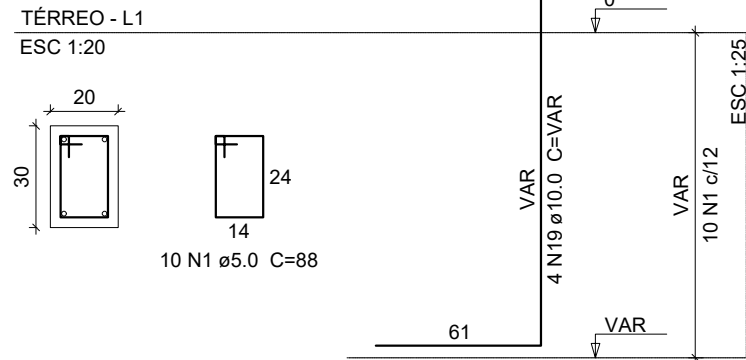
Data: 25/03/2022

Desenho:

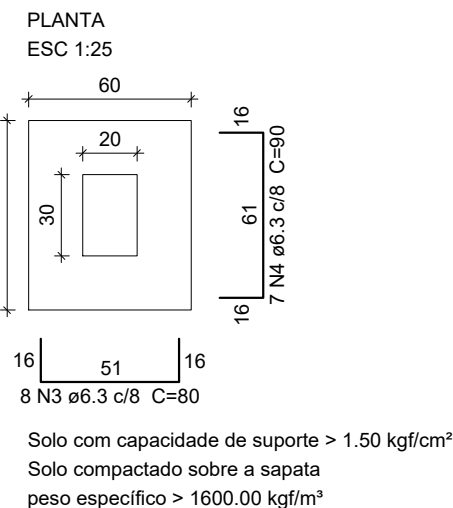
Folha:



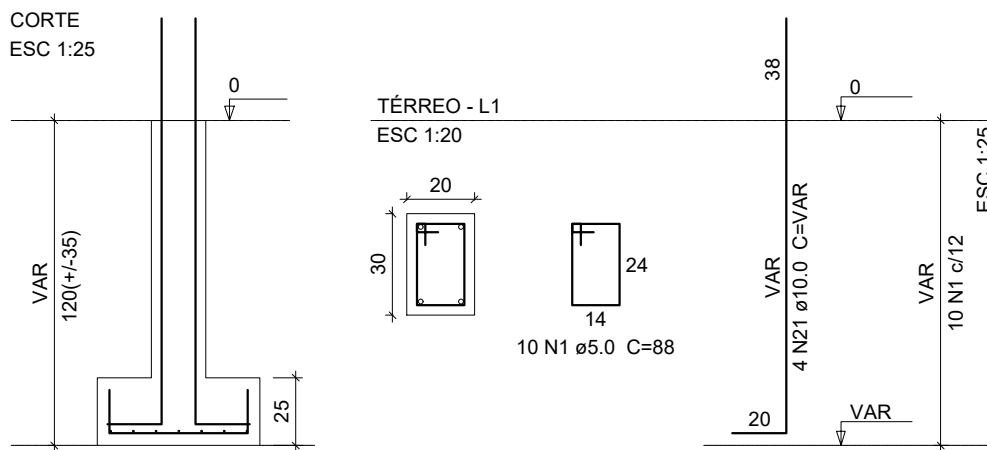
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S2=S3=S4=S5=S6=S7=S8=S9=S10=S11=S12=S13
=S14=S15=S16=S17=S18=S19=S20=S22=S23
=S35=S36=S37=S38=S39=S40=S48=S49=S51
=S24=S25=S26=S27=S28=S29=S30=S32=S33
=S34=S35=S36=S37=S38=S39=S40=S41=S42
=S43=S44=S45=S46=S47=S48=S49=S51=S52
=S53=S54=S55=S56=S57=S58=S59=S60=S61
=S62.



P2=P3=P4=P5=P6=P7=P8=P9=P10=
=P11=P12=P13=P14=P15=P16=P17=
=P18=P19=P20=P21=P22=P23=P24=
=P25=P26=P27=P28=P29=P30=P32=
=P33=P34=P35=P36=P37=P38=P39=
=P40=P41=P42=P43=P44=P45=P46=
=P47=P48=P49=P51=P52=P53=P54=
=P55=P56=P57=P58=P59=P60=P61=
=P62.



Relação do aço

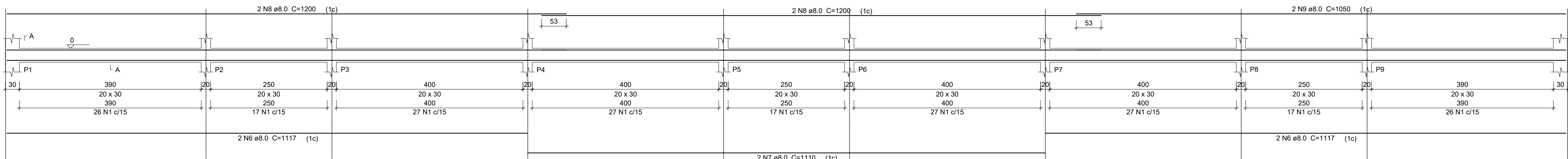
4xS1				41xS10	V1
V2				V3	V4
V5				V6	V7
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	1369	88	120472
	2	5.0	8	305	2440
CA50	3	6.3	328	80	26240
	4	6.3	287	90	25830
	5	8.0	32	69	2208
	6	8.0	14	1117	15638
	7	8.0	6	1110	6660
	8	8.0	14	1200	16800
	9	8.0	4	1050	4200
	10	8.0	2	588	1176
	11	8.0	12	177	2124
	12	8.0	4	639	2556
	13	8.0	2	1135	2270
	14	8.0	2	270	540
	15	8.0	2	1187	2374
	16	8.0	2	198	396
	17	8.0	2	504	1808
	18	8.0	2	442	884
	19	10.0	16	VAR	VAR
	20	10.0	24	78	1872
	21	10.0	164	VAR	VAR

Resumo do aço

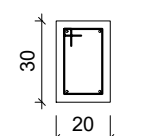
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	620.7	212.5
	8.0	596.4	392.2
	10.0	334.9	344.2
CA60	5.0	1229.2	315.84
PESO TOTAL (kg)			
CA50	626.1		
CA60	208.4		

Volume de concreto (C-25) = 25,45 m³
Área de forma = 304,09 m²

V1
ESC 1:50

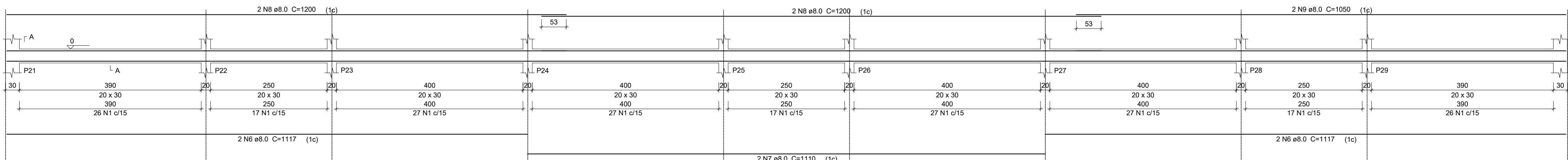


SEÇÃO A-A
ESC 1:25

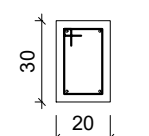


211 N1 ø5.0 C=88

V2
ESC 1:50

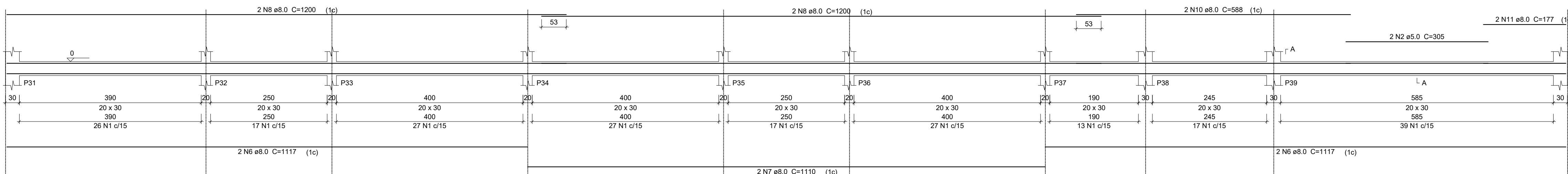


SEÇÃO A-A
ESC 1:25

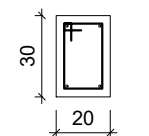


211 N1 ø5.0 C=88

V3
ESC 1:50

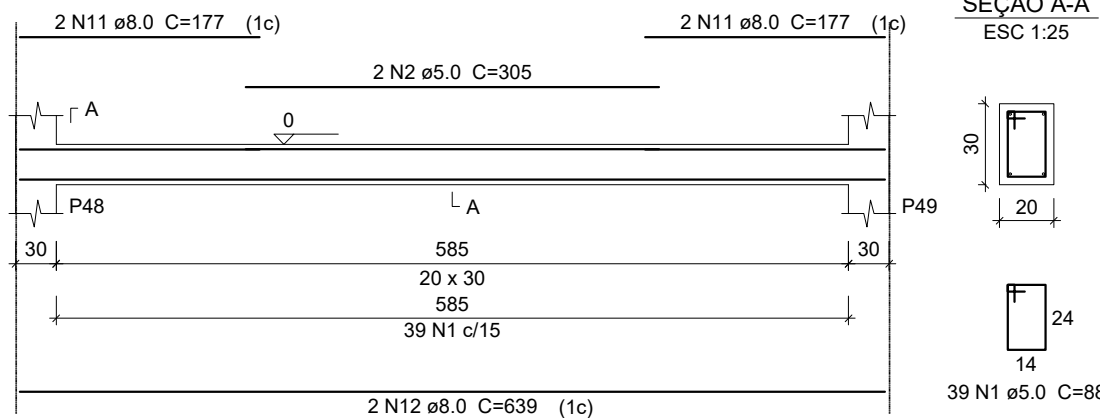


SEÇÃO A-A
ESC 1:25

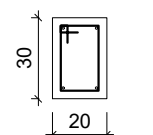


210 N1 ø5.0 C=88

V4
ESC 1:50

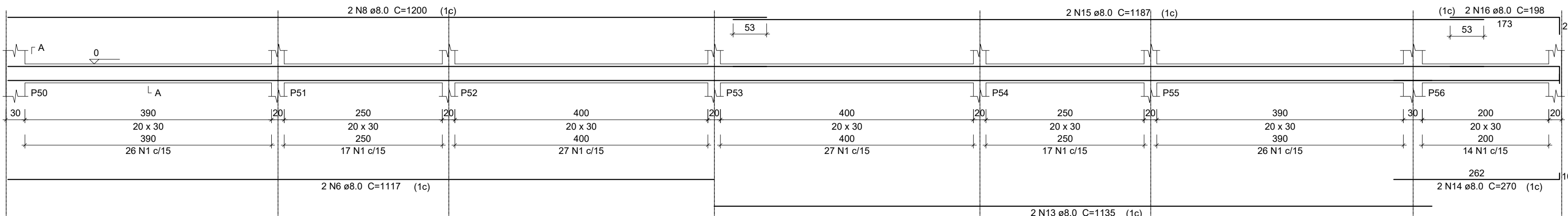


SEÇÃO A-A
ESC 1:25

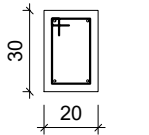


39 N1 ø5.0 C=88

V5
ESC 1:50

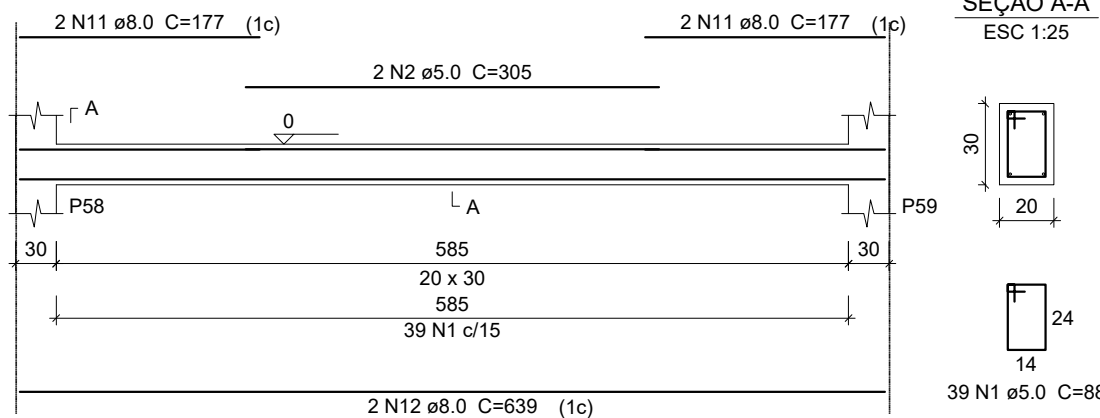


SEÇÃO A-A
ESC 1:25

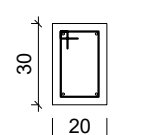


154 N1 ø5.0 C=88

V6
ESC 1:50

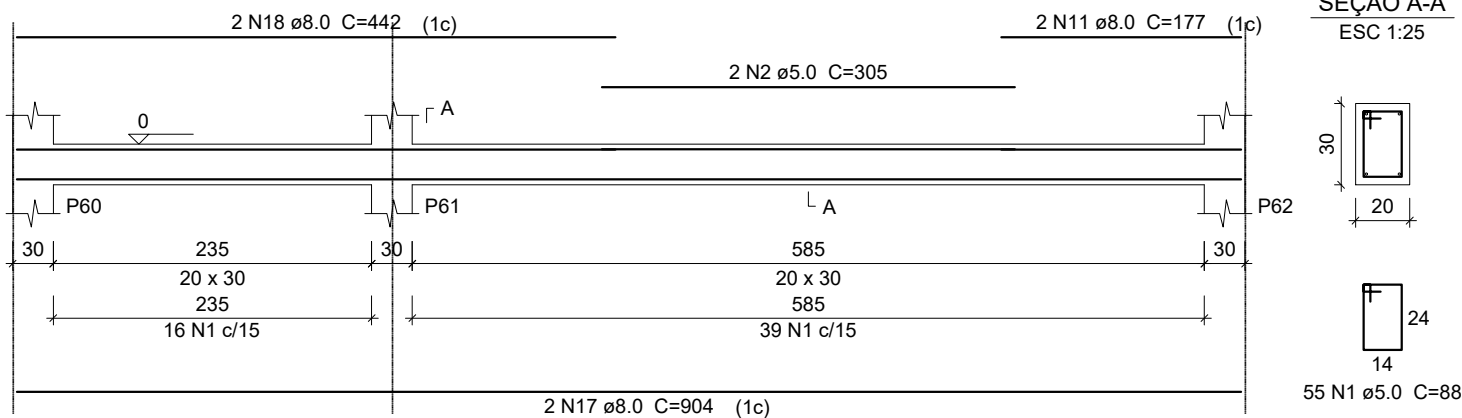


SEÇÃO A-A
ESC 1:25

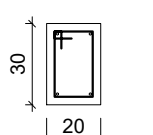


39 N1 ø5.0 C=88

V7
ESC 1:50



SEÇÃO A-A
ESC 1:25



55 N1 ø5.0 C=88



PREFEITURA MUNICIPAL DE
CAMPOS DE JÚLIO

DEPARTAMENTO DE ENGENHARIA

Avenida Valdir Masutti, nº 1999, Bom Jardim - Campos de Júlio

Fone:0xx65-3387-2800

Obra: Creche Pequeno Príncipe

Área de Obra: 1573,20 m²

Entregado: Prefeitura Municipal de Campos de Júlio

Projeto Estrutural

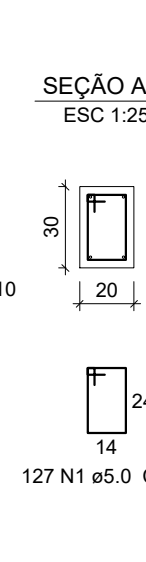
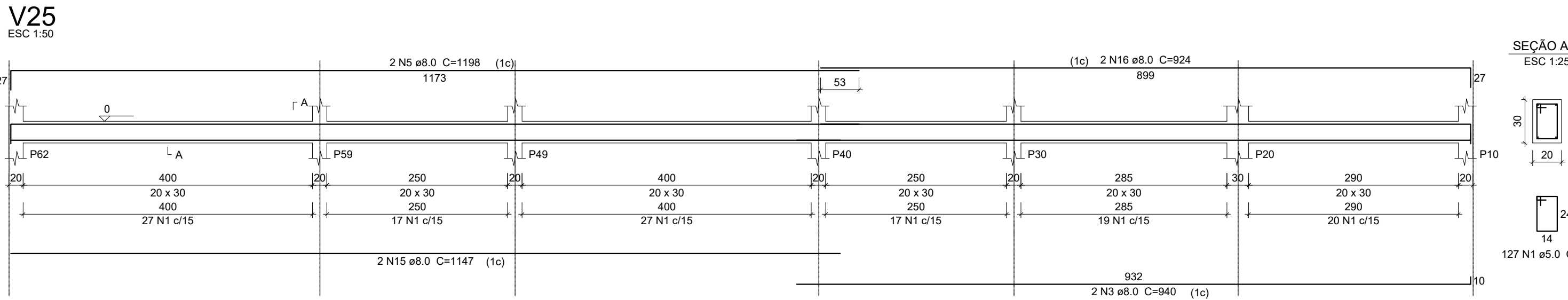
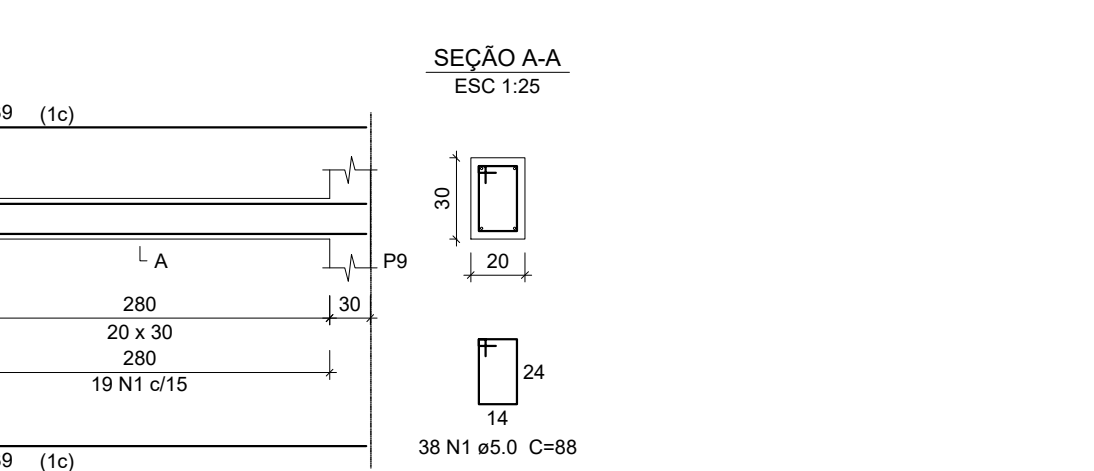
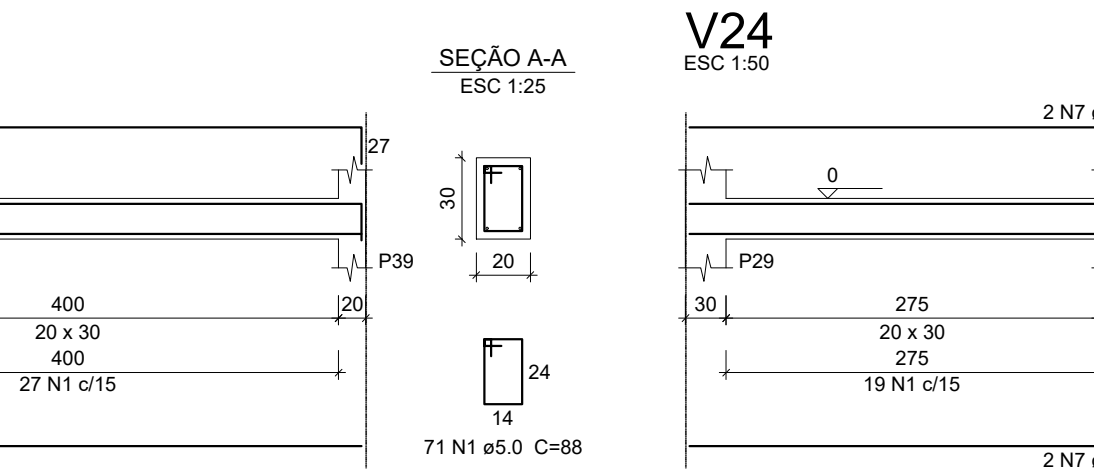
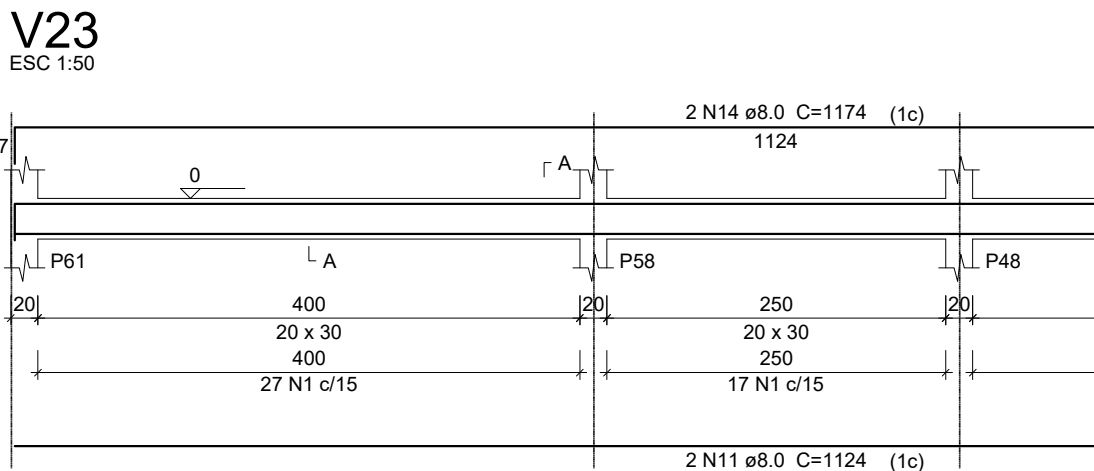
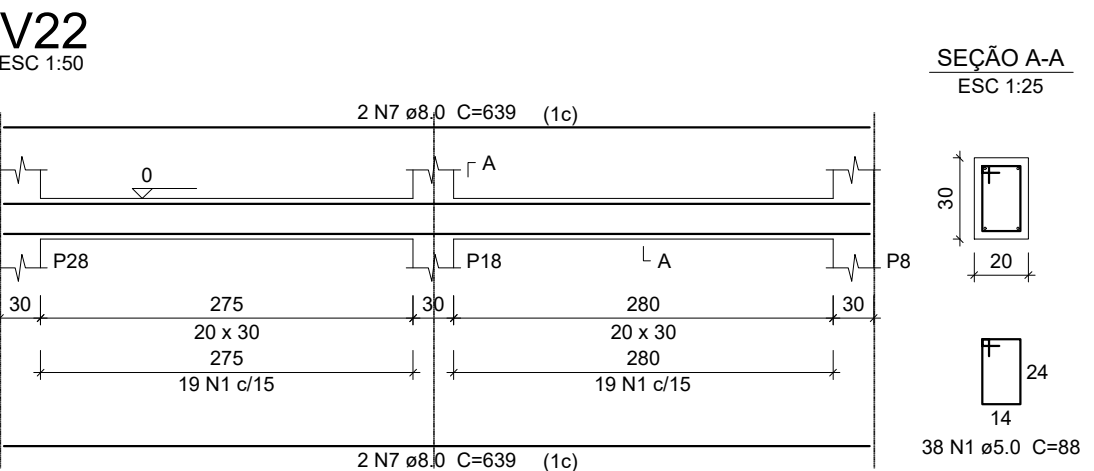
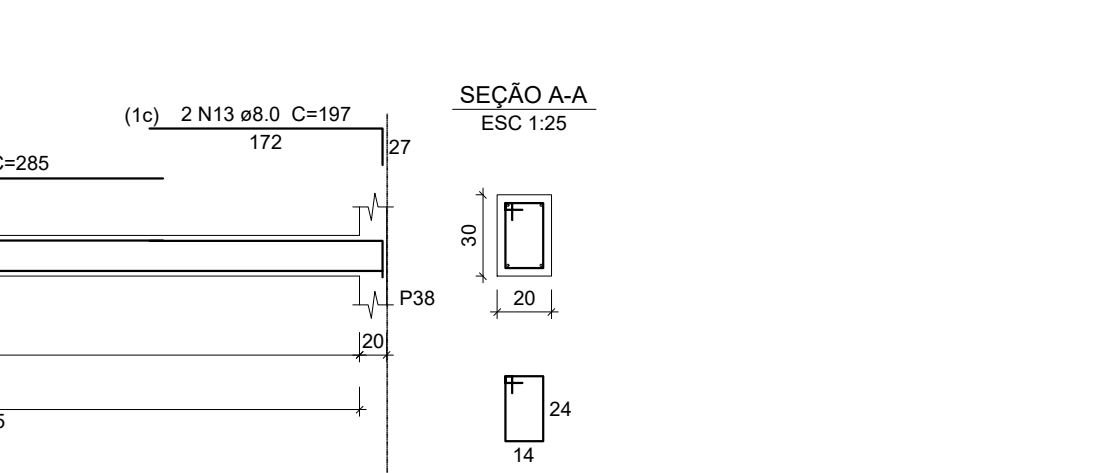
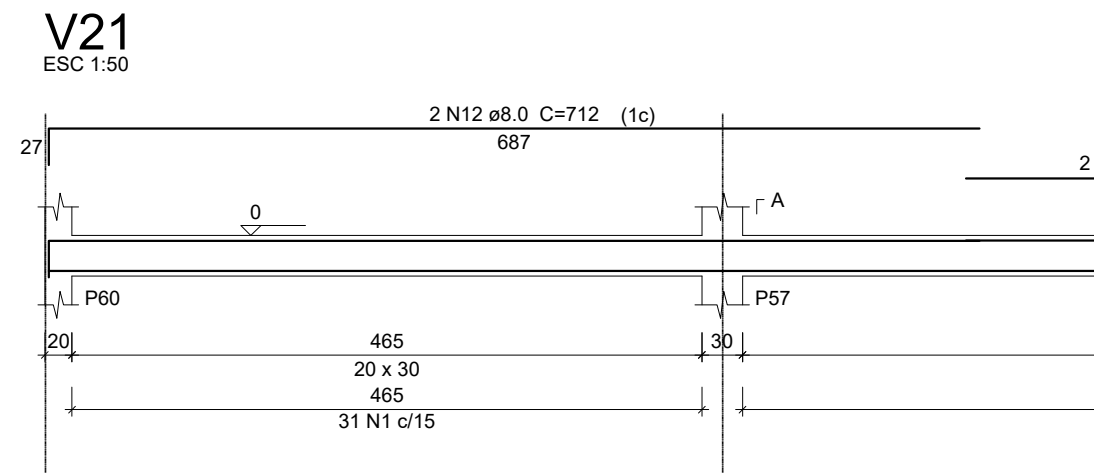
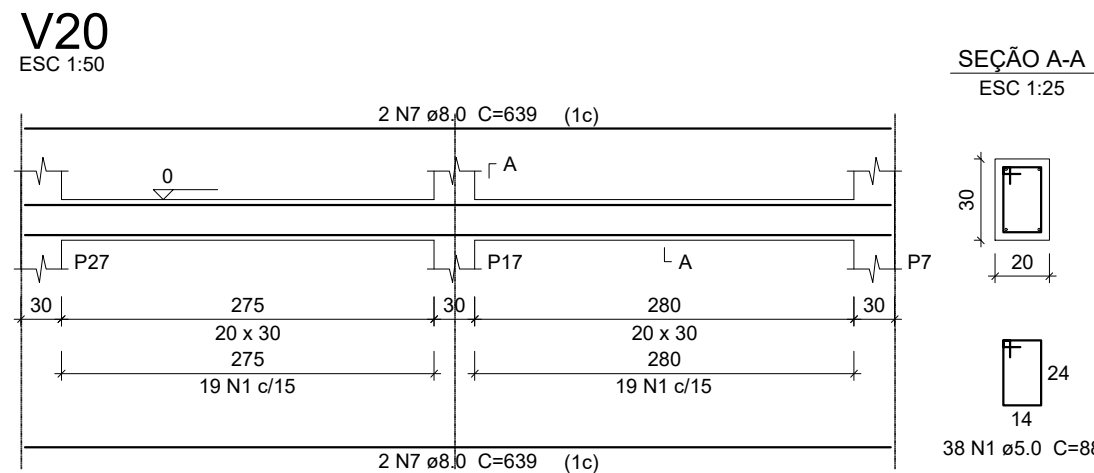
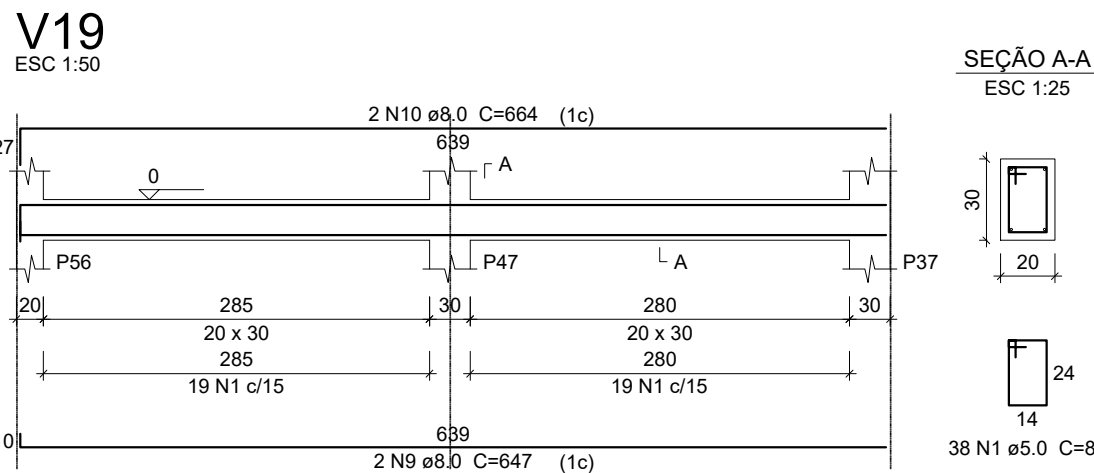
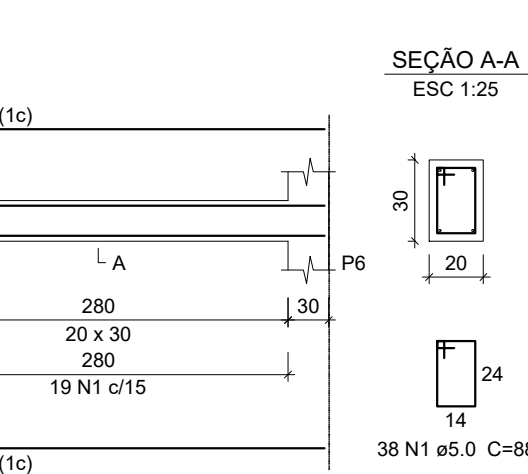
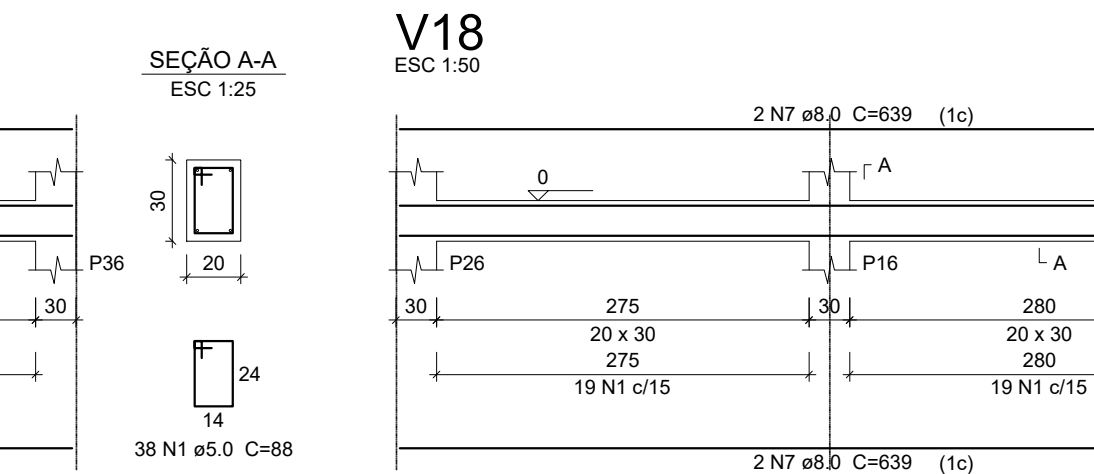
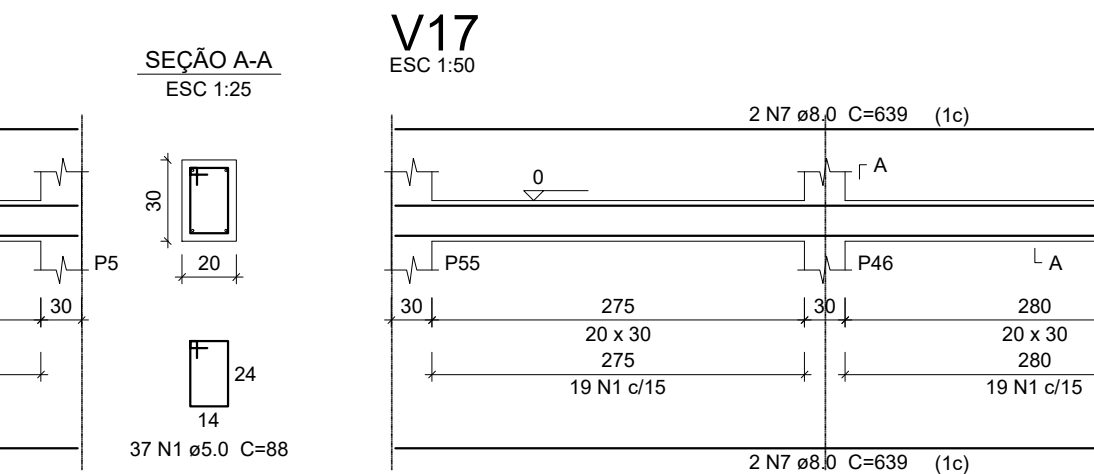
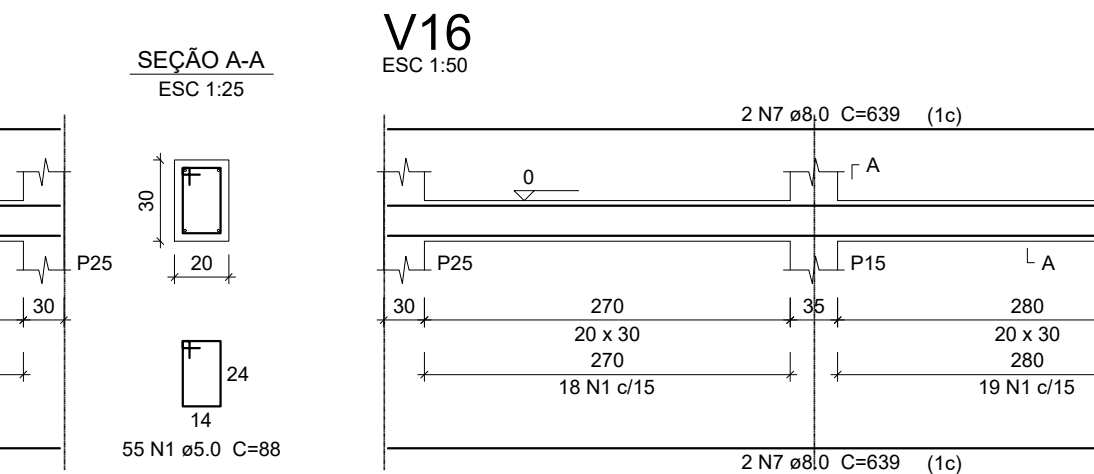
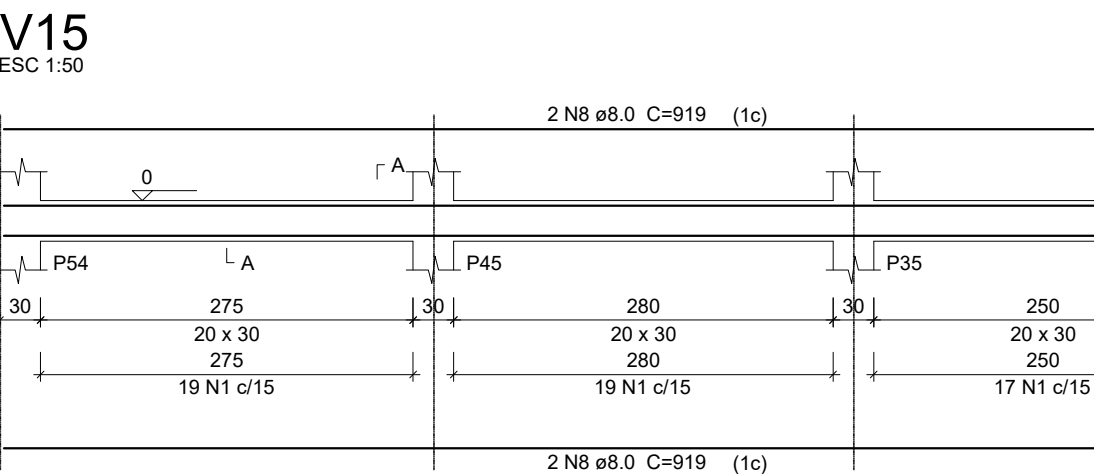
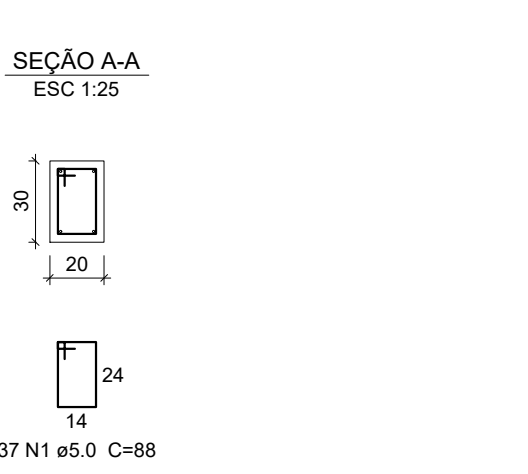
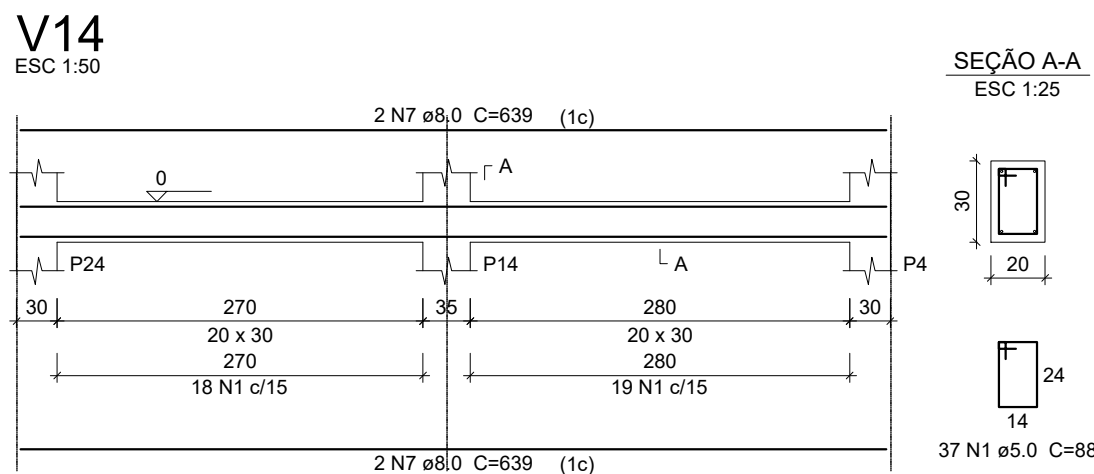
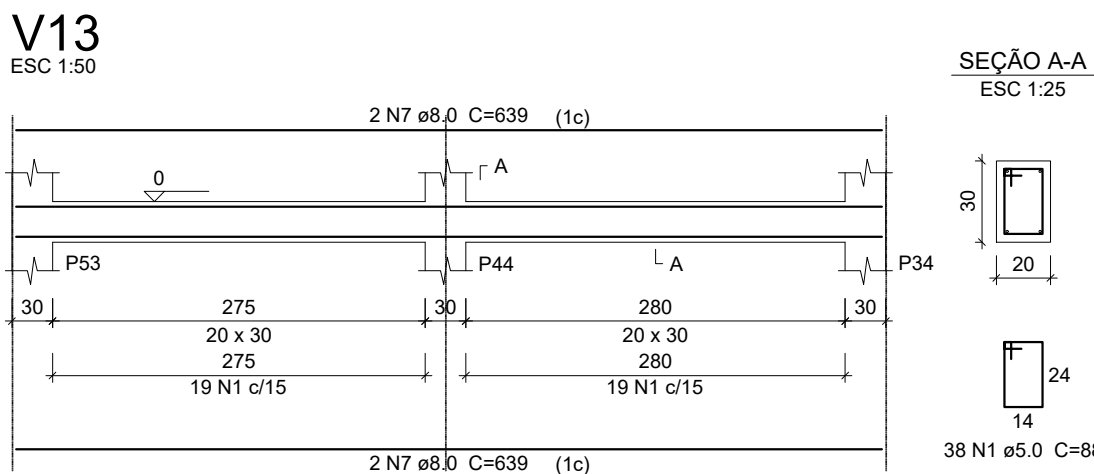
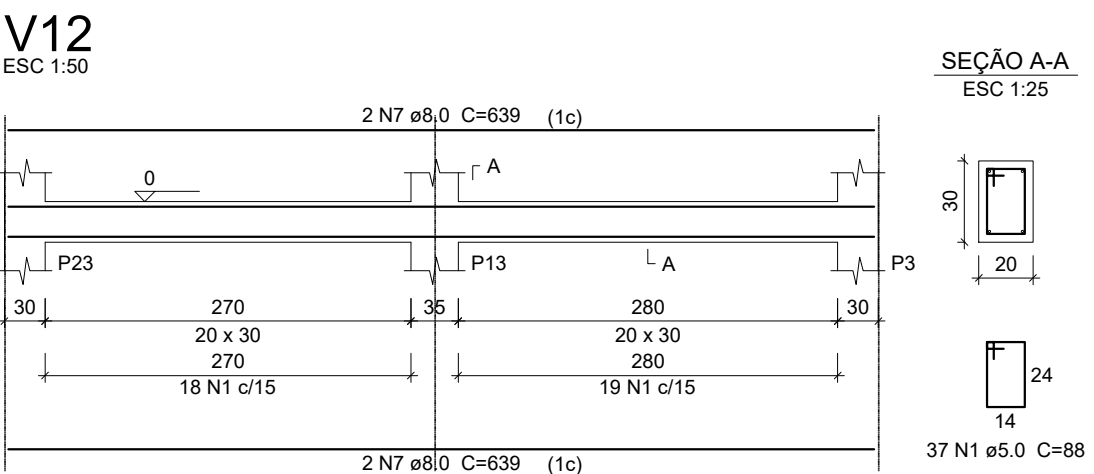
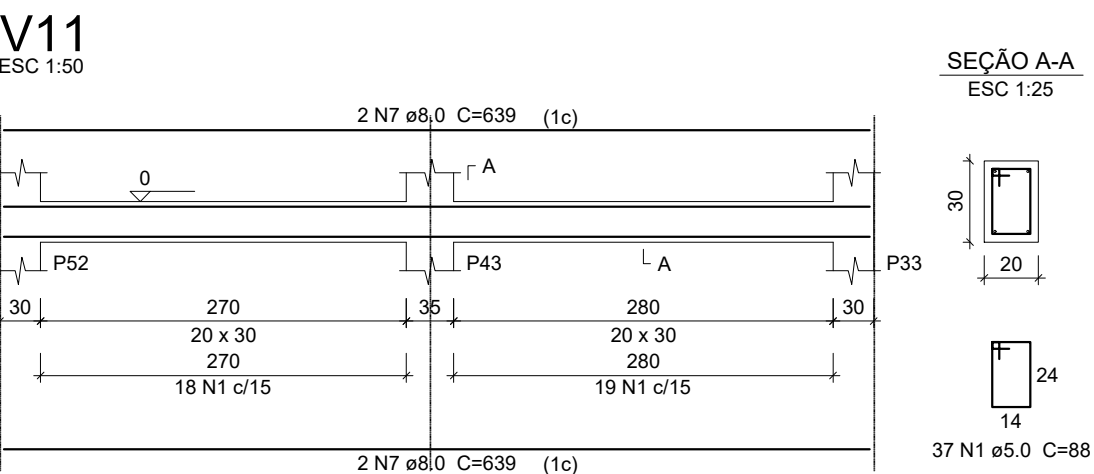
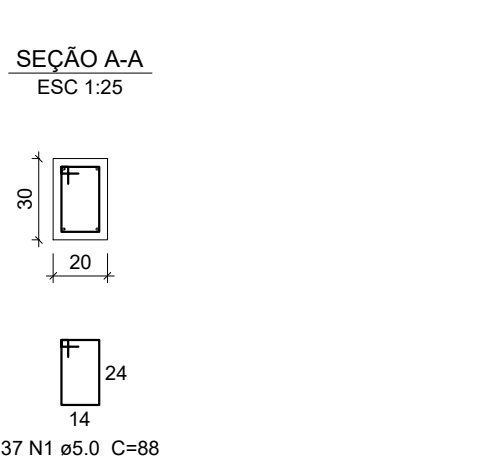
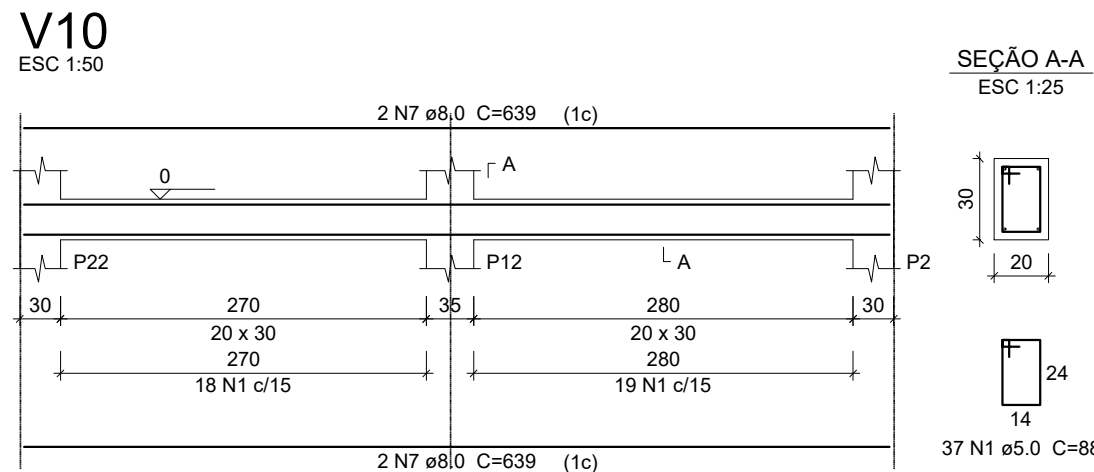
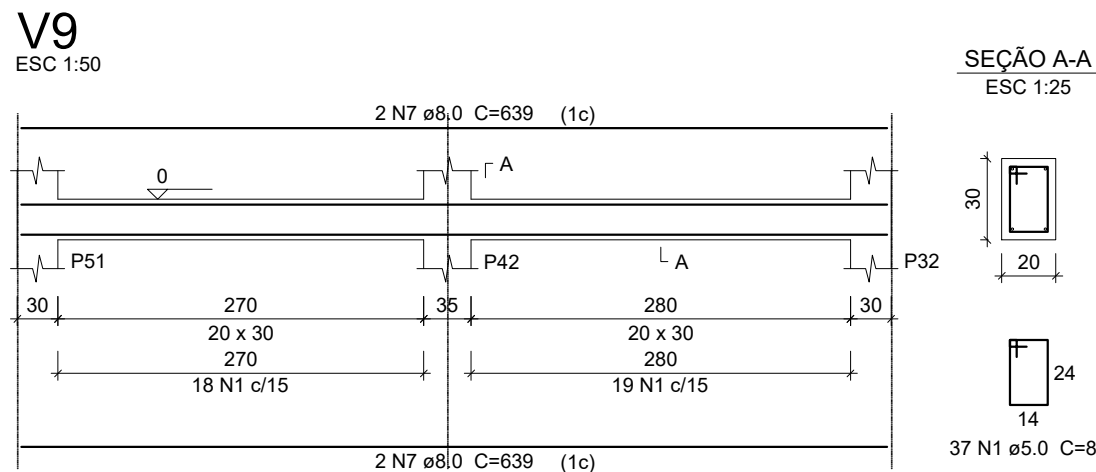
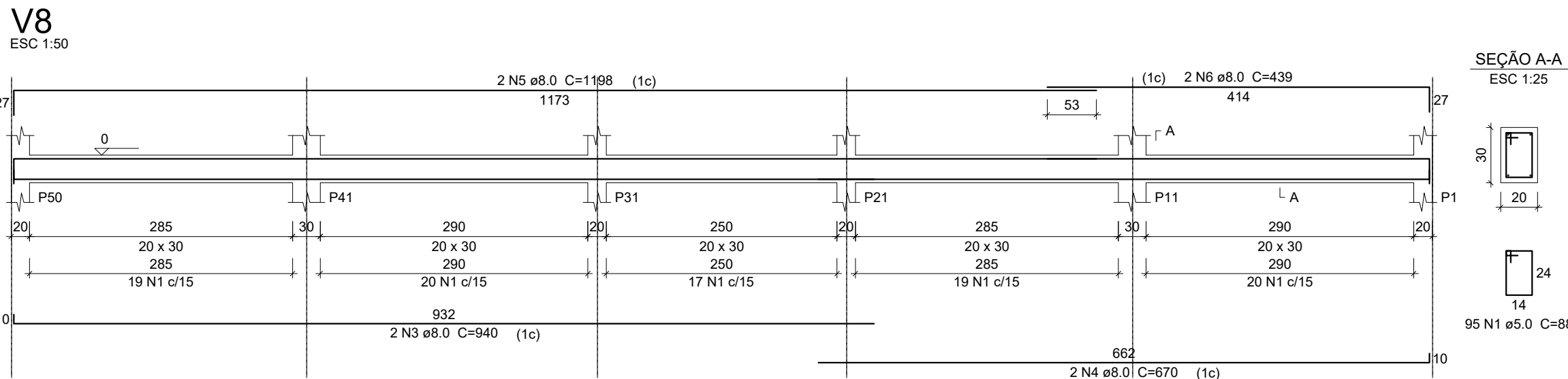
RESPONSÁVEL TÉCNICO
LUIZ CARLOS CORREIA DE OLIVEIRA
CREA-12024/91222

Escala: Indicadas

Data: 25/03/2022

Desenho: Eduardo R. Tosetto

Folha:



Relação do aço

ACO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	907	88	79816
CA50	2	5.0	2	285	570
	3	8.0	4	940	3760
	4	8.0	2	670	1340
	5	8.0	4	1198	4792
	6	8.0	2	439	878
	7	8.0	48	639	30672
	8	8.0	4	919	3676
	9	8.0	2	647	1294
	10	8.0	2	654	1328
	11	8.0	4	1124	4496
	12	8.0	2	712	1424
	13	8.0	2	197	394
	14	8.0	2	1174	2348
	15	8.0	2	1147	2294
	16	8.0	2	924	1848

Resumo do aço

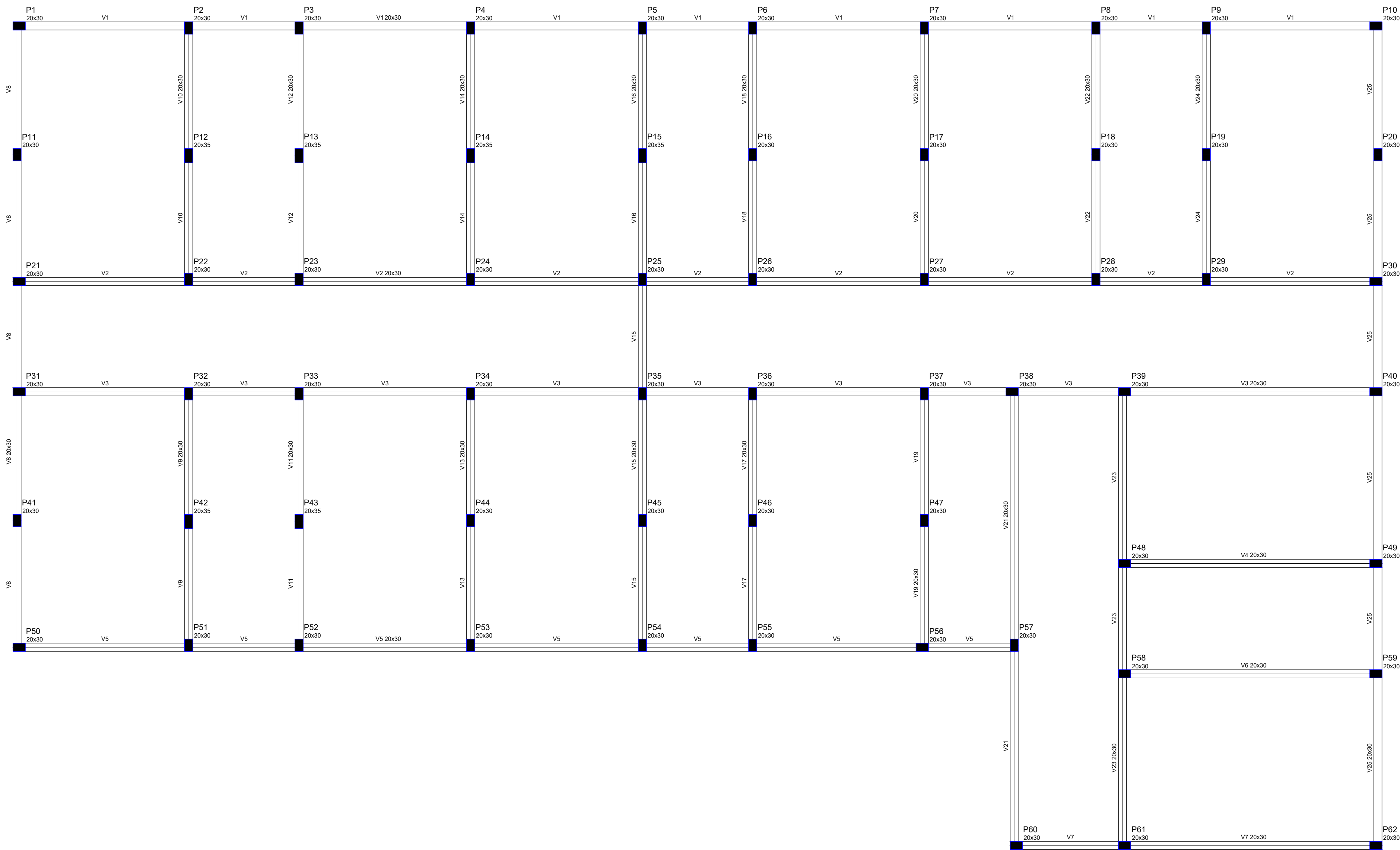
ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	805.5	262.8
CA60	5.0	803.9	136.3
PESO TOTAL (kg)			
CA50		262.8	
CA60		136.3	

Volume de concreto (C-25) = 9.08 m³
Área de forma = 121.08 m²



**PREFEITURA MUNICIPAL DE
CAMPOS DE JÚLIO**
DEPARTAMENTO DE ENGENHARIA
Avenida Valdir Masutti, nº 1999, Bom Jardim - Campos de Júlio
Fone:0xx65-3387-2800

Obra: Creche Pequeno Príncipe		Área de Obra: 1573,20 m²	
Responsável Técnico: LUIZ CARLOS CORREIA DE OLIVEIRA CREA-1202479122		Escalas: Indicadas	
Data: 25/03/2022		Folha: 1	



Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	20x30	0	300
V2	20x30	0	300
V3	20x30	0	300
V4	20x30	0	300
V5	20x30	0	300
V6	20x30	0	300
V7	20x30	0	300
V8	20x30	0	300
V9	20x30	0	300
V10	20x30	0	300
V11	20x30	0	300
V12	20x30	0	300
V13	20x30	0	300
V14	20x30	0	300
V15	20x30	0	300
V16	20x30	0	300
V17	20x30	0	300
V18	20x30	0	300
V19	20x30	0	300
V20	20x30	0	300
V21	20x30	0	300
V22	20x30	0	300
V23	20x30	0	300
V24	20x30	0	300
V25	20x30	0	300

Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
250	24.500

Dimensão máxima do agregado = 19 mm

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	20 x 30	0	300
P2	20 x 30	0	300
P3	20 x 30	0	300
P4	20 x 30	0	300
P5	20 x 30	0	300
P6	20 x 30	0	300
P7	20 x 30	0	300
P8	20 x 30	0	300
P9	20 x 30	0	300
P10	20 x 30	0	300
P11	20 x 30	0	300
P12	20 x 35	0	300
P13	20 x 35	0	300
P14	20 x 35	0	300
P15	20 x 35	0	300
P16	20 x 30	0	300
P17	20 x 30	0	300
P18	20 x 30	0	300
P19	20 x 30	0	300
P20	20 x 30	0	300
P21	20 x 30	0	300
P22	20 x 30	0	300
P23	20 x 30	0	300
P24	20 x 30	0	300
P25	20 x 30	0	300
P26	20 x 30	0	300
P27	20 x 30	0	300
P28	20 x 30	0	300
P29	20 x 30	0	300
P30	20 x 30	0	300
P31	20 x 30	0	300
P32	20 x 30	0	300
P33	20 x 30	0	300
P34	20 x 30	0	300
P35	20 x 30	0	300
P36	20 x 30	0	300
P37	20 x 30	0	300
P38	20 x 30	0	300
P39	20 x 30	0	300
P40	20 x 30	0	300
P41	20 x 30	0	300
P42	20 x 35	0	300
P43	20 x 35	0	300
P44	20 x 30	0	300
P45	20 x 30	0	300
P46	20 x 30	0	300
P47	20 x 30	0	300
P48	20 x 30	0	300
P49	20 x 30	0	300
P50	20 x 30	0	300
P51	20 x 30	0	300
P52	20 x 30	0	300
P53	20 x 30	0	300
P54	20 x 30	0	300
P55	20 x 30	0	300
P56	20 x 30	0	300
P57	20 x 30	0	300
P58	20 x 30	0	300
P59	20 x 30	0	300
P60	20 x 30	0	300
P61	20 x 30	0	300
P62	20 x 30	0	300

Legenda dos Pilares	
	Pilar que morre
	Pilar que passa
	Pilar que nasce
	Pilar com mudança de seção

Forma do pavimento COBERTURA

escala 1:50



PREFEITURA MUNICIPAL DE CAMPOS DE JÚLIO

DEPARTAMENTO DE ENGENHARIA

Avenida Valdir Masutti, nº 1999, Bom Jardim - Campos de Júlio

Fone:0xx65-3387-2800

Obra: Creche Pequeno Príncipe

Área de Obra: 1573,20 m²

Concedido: Prefeitura Municipal de Campos de Júlio

Projeto Estrutural

RESPONSÁVEL TÉCNICO

LUIZ CARLOS CORREIA DE OLIVEIRA

CREA-12024/9122

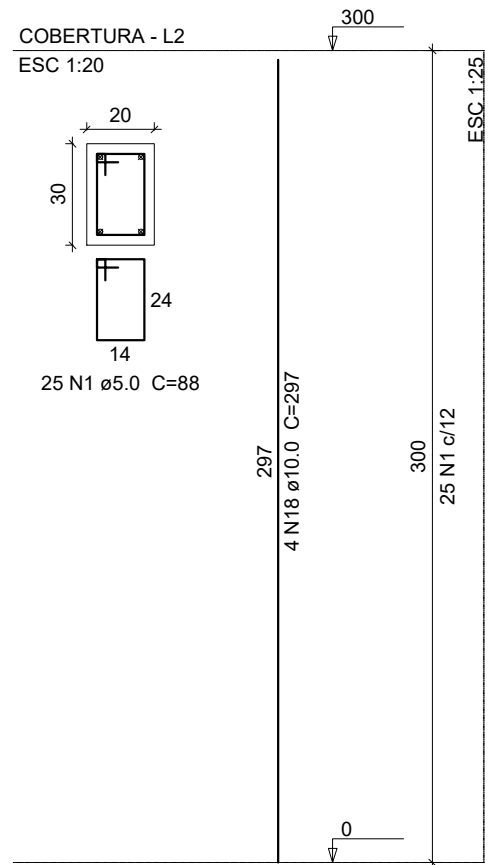
Escala:

Indicadas

Data: 25/03/2022

Desenho: Eduardo R. Tosoeto

Folha:



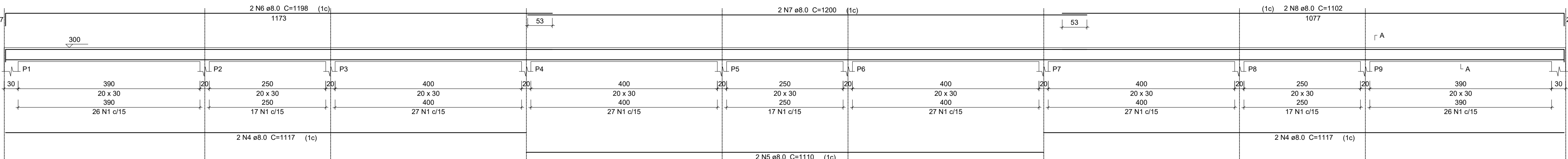
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=P51=P52=P53=P54=P55=P56=
=P57=P58=P59=P60=P61=P62=

Relação do aço					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	2044	88	179872
	2	5.0	4	325	1300
	3	5.0	4	305	1220
CA50	4	8.0	14	1117	15638
	5	8.0	6	1110	6660
	6	8.0	8	1196	9584
	7	8.0	8	1200	9600
	8	8.0	4	1102	4408
	9	8.0	2	615	1230
	10	8.0	4	162	728
	11	8.0	4	639	2556
	12	8.0	8	202	1616
	13	8.0	2	1100	2200
	14	8.0	2	235	470
	15	8.0	2	212	424
	16	8.0	2	904	1808
	17	8.0	2	467	934
	18	10.0	180	297	53460

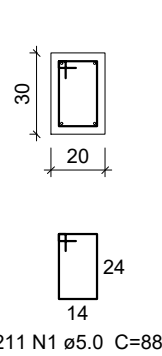
Resumo do aço			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	578.6	345.9
CA60	10.0	534.6	499.6
PESO TOTAL (kg)			
CA50	613.7		
CA60	309.2		

Volume de concreto (C-25) = 25,62 m³
Área de forma = 348,14 m²

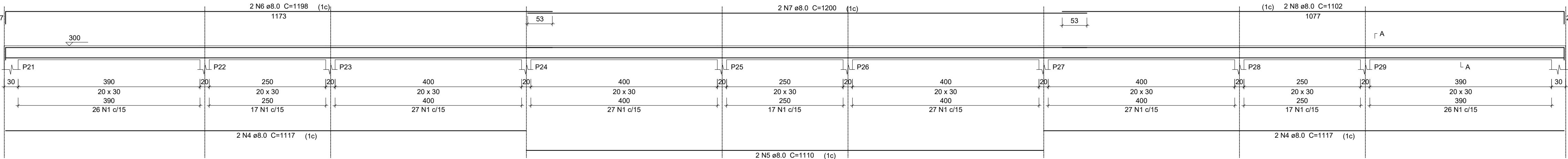
V1
ESC 1:50



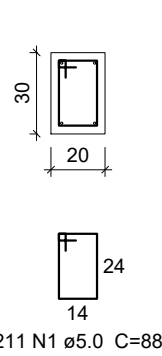
SEÇÃO A-A
ESC 1:25



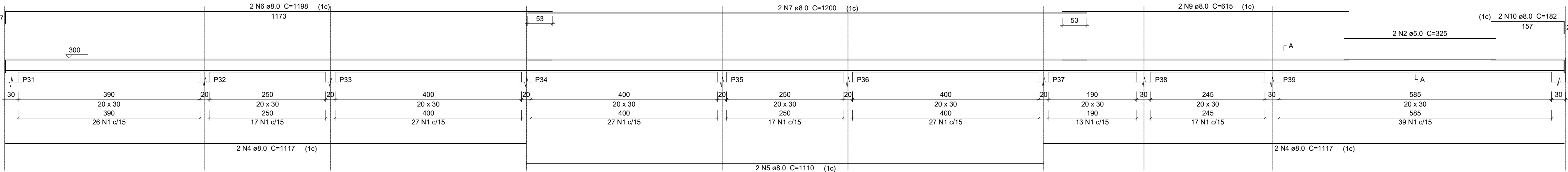
V2
ESC 1:50



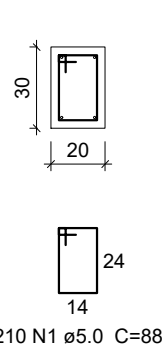
SEÇÃO A-A
ESC 1:25



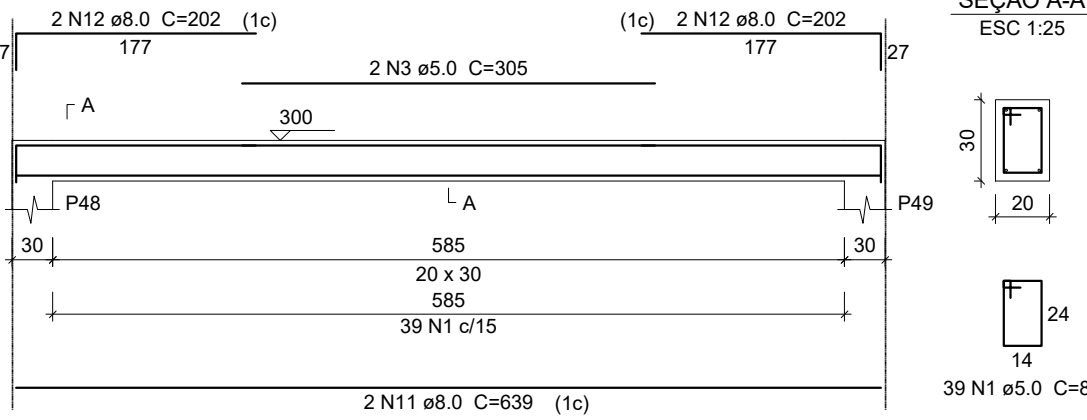
V3
ESC 1:50



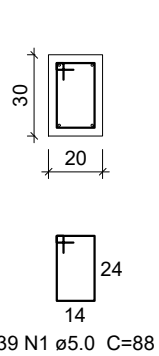
SEÇÃO A-A
ESC 1:25



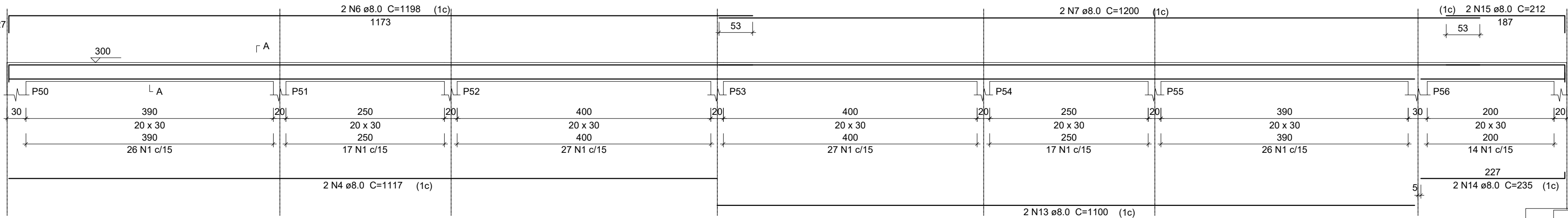
V4
ESC 1:50



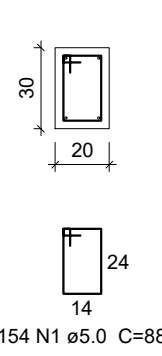
SEÇÃO A-A
ESC 1:25



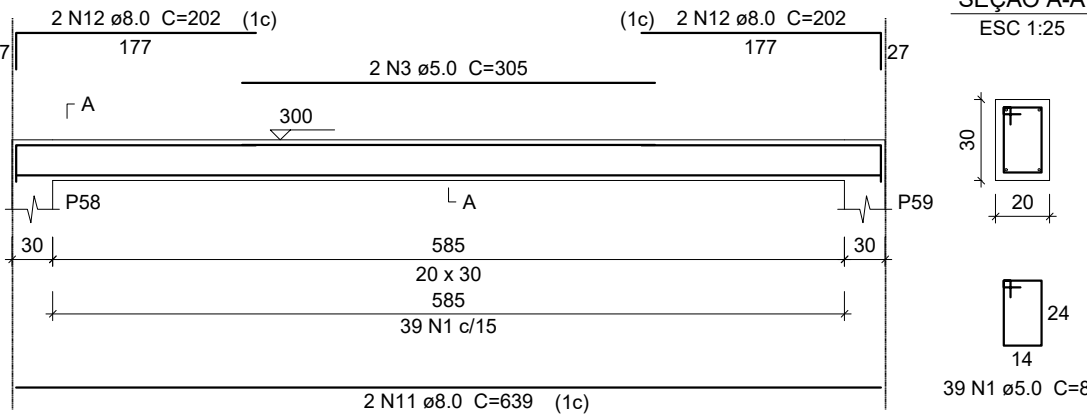
V5
ESC 1:50



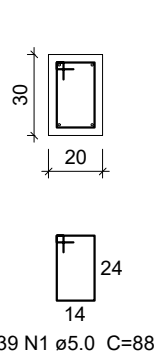
SEÇÃO A-A
ESC 1:25



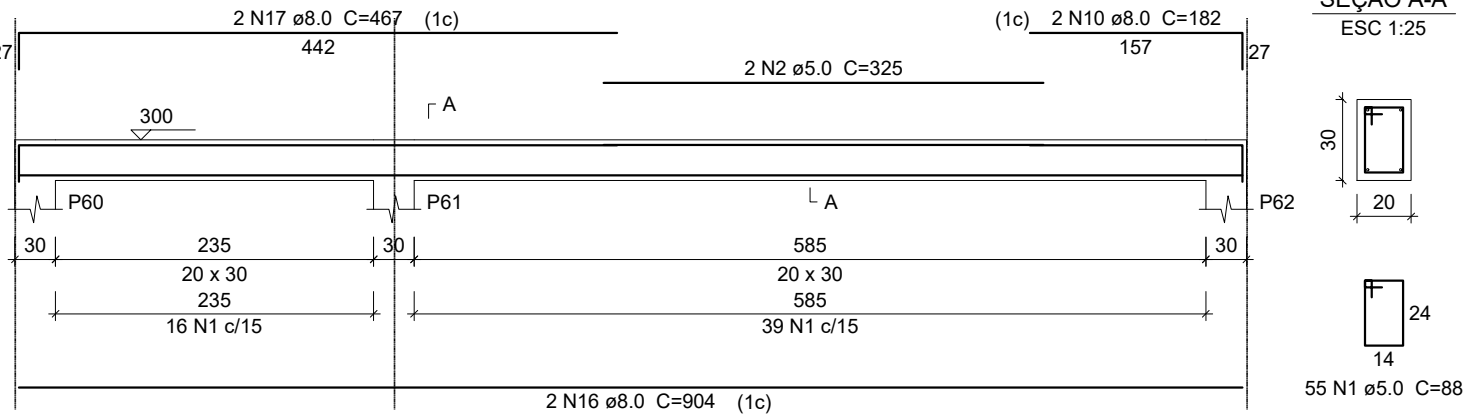
V6
ESC 1:50



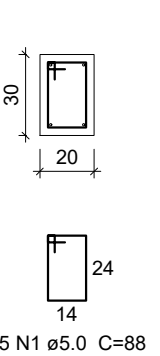
SEÇÃO A-A
ESC 1:25



V7
ESC 1:50



SEÇÃO A-A
ESC 1:25



**PREFEITURA MUNICIPAL DE
CAMPOS DE JÚLIO**
DEPARTAMENTO DE ENGENHARIA
Avenida Valdir Masutti, nº 1999, Bom Jardim - Campos de Júlio
Fone:0xx65-3387-2800

Obra:	Creche Pequeno Príncipe	Área de Obra:	1573,20 m²
Conteúdo:	Prefeitura Municipal de Campos de Júlio Projeto Estrutural	RESPONSÁVEL TÉCNICO LUIZ CARLOS CORREIA DE OLIVEIRA CREA-1202479122	Escalas:
Data:	25/03/2022	Desenho:	Folha:
			Indicadas