

**Relação do aço**

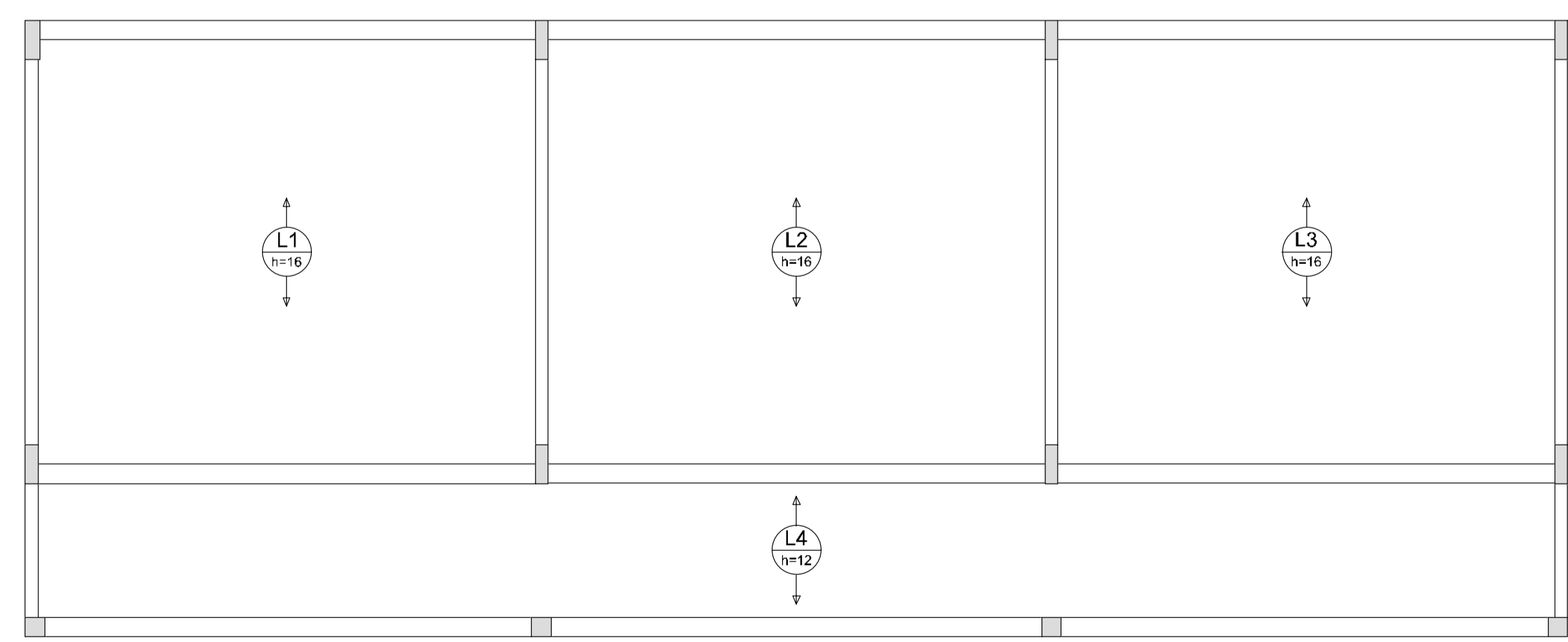
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	25	98	2450
	2	5.0	50	24	1200
	3	5.0	100	68	6800
	4	5.0	171	94	16074
CA50	5	5.0	150	22	3300
	6	5.0	46	22	1012
	7	10.0	56	295	16520
	8	12.5	12	295	3540

**Resumo do aço**

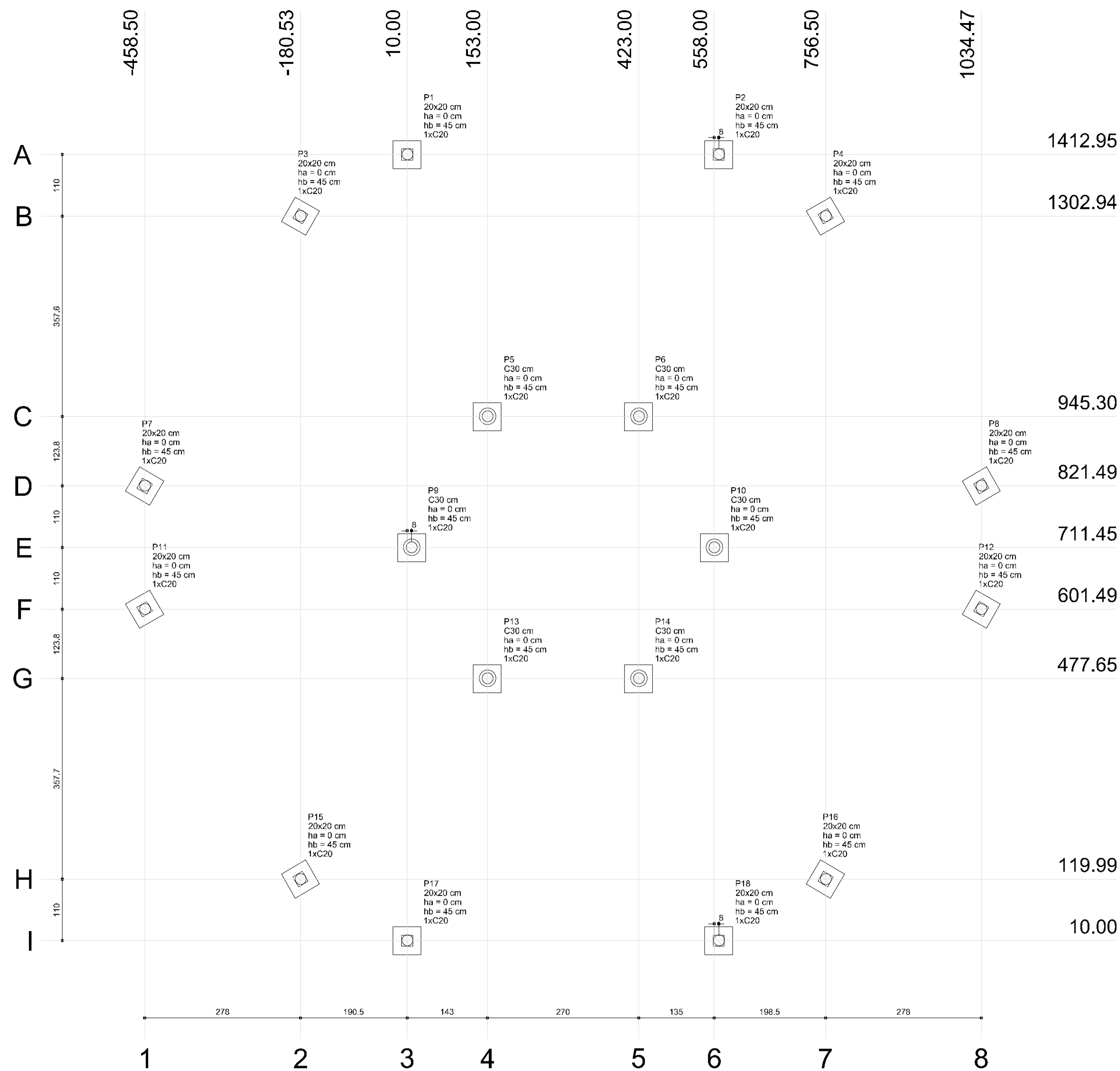
AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	10.0	166.2	101.9
CA60	12.5	35.4	34.1
CA60	5.0	308.4	47.5
<b>PESO TOTAL (kg)</b>			
CA50		136.0	
CA60		47.5	

Volume de concreto (C-25) = 1,74 m³  
 Área de forma = 34,98 m²

**1** PILARES NÍVEL 297  
 ESCALA: INDICADA



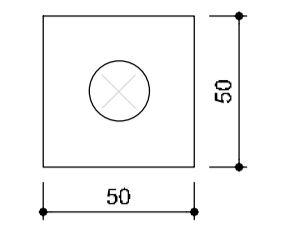
**2** LAJES PRÉ-MOLDADAS NÍVEL 298.5  
 ESCALA 1/50



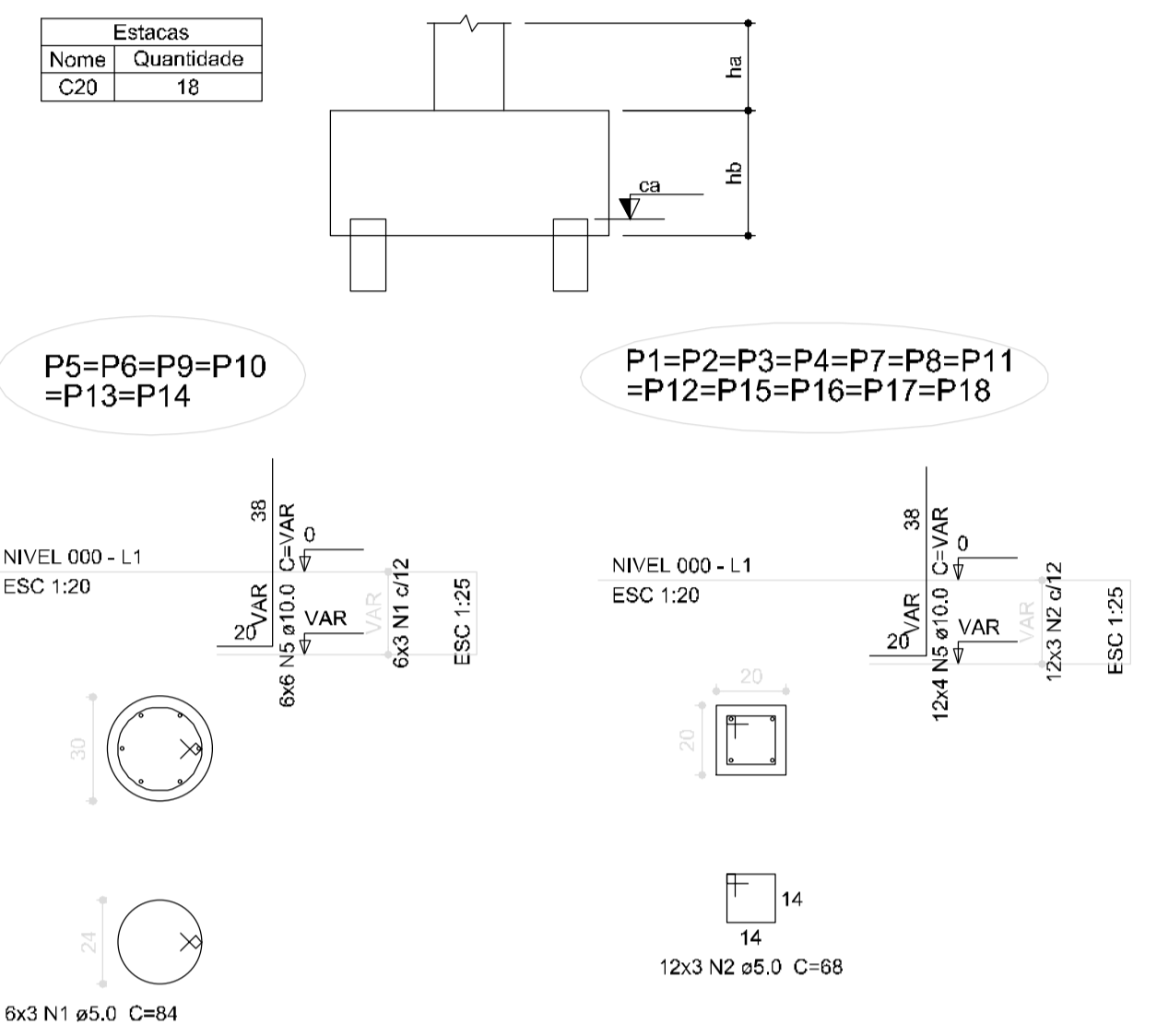
**1 PLANTA DE LOCAÇÃO**  
ESCALA 1/50

Nome	Seção (cm)	Pilar		Carga Máx. (kgf)	Carga Min. (kgf)	Fundação			Bloco			
		X (cm)	Y (cm)			Lado B (cm)	Lado H (cm)	h0 / ha (cm)	h1 / hb (cm)	Estaca	ca (cm)	Base tub. (cm)
P1	20x20	10,00	1412,95	3100	3000	50	50	0	45	1	C20	-30
P2	20x20	565,95	1412,95	3100	3000	50	50	0	45	1	C20	-30
P3	20x20	-180,53	1302,94	3100	3000	50	50	0	45	1	C20	-30
P4	20x20	756,50	1302,94	3100	3000	50	50	0	45	1	C20	-30
P5	C30	153,00	945,30	4800	4700	50	50	0	45	1	C20	-30
P6	C30	423,00	945,30	4800	4700	50	50	0	45	1	C20	-30
P7	20x20	-458,50	821,49	3100	3000	50	50	0	45	1	C20	-30
P8	20x20	1034,47	821,49	3100	3000	50	50	0	45	1	C20	-30
P9	C30	15,00	711,45	4800	4700	50	50	0	45	1	C20	-30
P10	C30	558,00	711,45	4800	4700	50	50	0	45	1	C20	-30
P11	20x20	-458,50	601,49	3100	3000	50	50	0	45	1	C20	-30
P12	20x20	1034,47	601,49	3100	3000	50	50	0	45	1	C20	-30
P13	C30	153,00	477,65	4800	4700	50	50	0	45	1	C20	-30
P14	C30	423,00	477,65	4800	4700	50	50	0	45	1	C20	-30
P15	20x20	-180,53	119,99	3100	3000	50	50	0	45	1	C20	-30
P16	20x20	756,50	119,99	3100	3000	50	50	0	45	1	C20	-30
P17	20x20	10,00	10,00	3100	3000	50	50	0	45	1	C20	-30
P18	20x20	565,95	10,00	3100	3000	50	50	0	45	1	C20	-30

B1=B2=B3=B4=B5=B6  
B7=B8=B9=B10=B11  
B12=B13=B14=B15  
B16=B17=B18 (1xC20)



**2 LEGENDA DOS BLOCOS**  
ESCALA 1/25



**3 BLOCOS DE FUNDAÇÃO**  
ESCALA: INDICADA

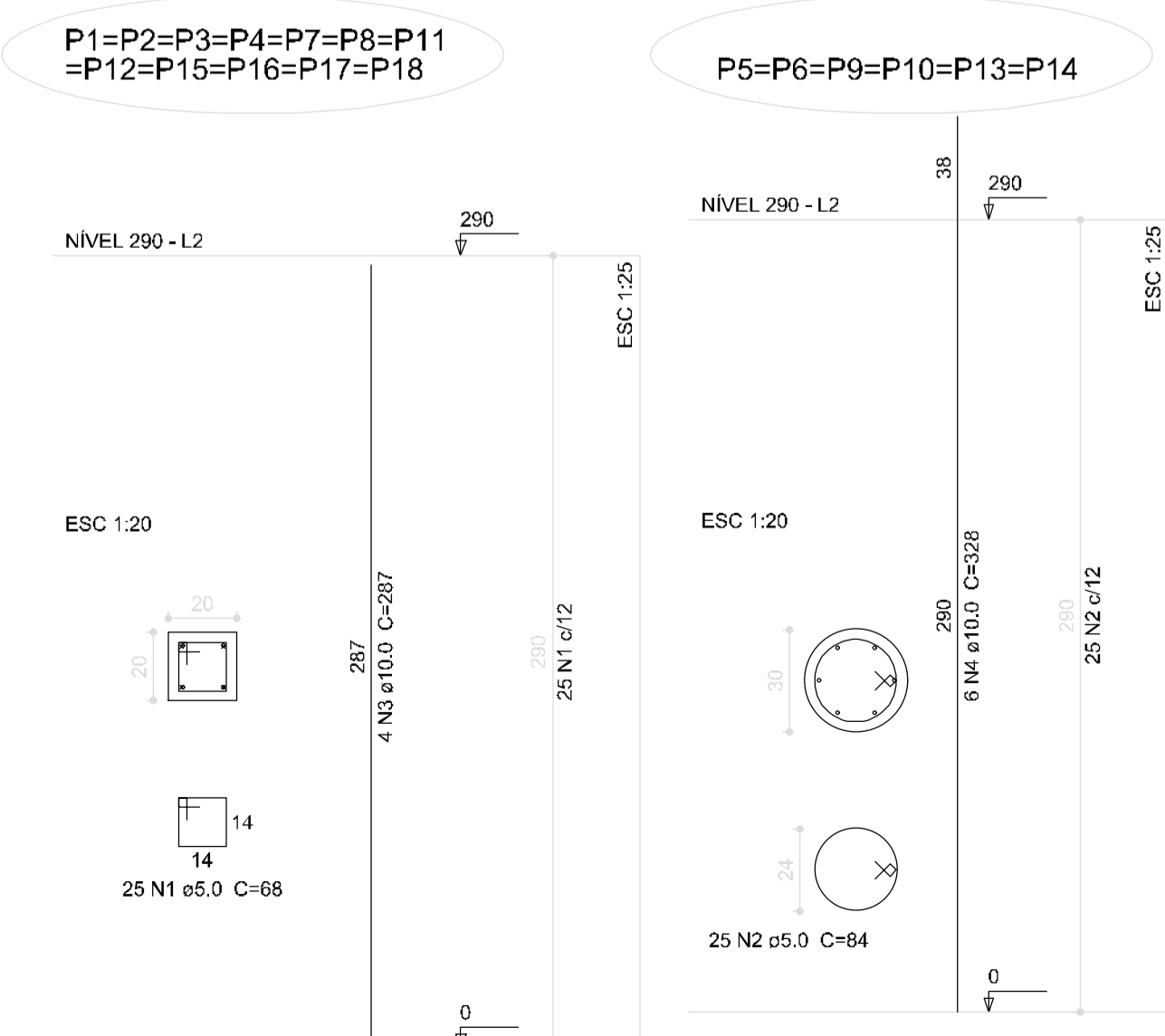
**Relação do aço**

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	18	84	1512
CA60	2	5,0	36	68	2448
CA60	3	5,0	90	188	16920
CA50	4	5,0	36	182	6552
CA50	5	10,0	84	VAR	VAR

**Resumo do aço**

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	10,0	72,3	44,6
CA60	5,0	274,4	42,3
<b>PESO TOTAL (kg)</b>			
CA50			44,6
CA60			42,3

Volume de concreto (C-25) = 2,21 m³  
Área de forma = 20,78 m²



**Relação do aço**

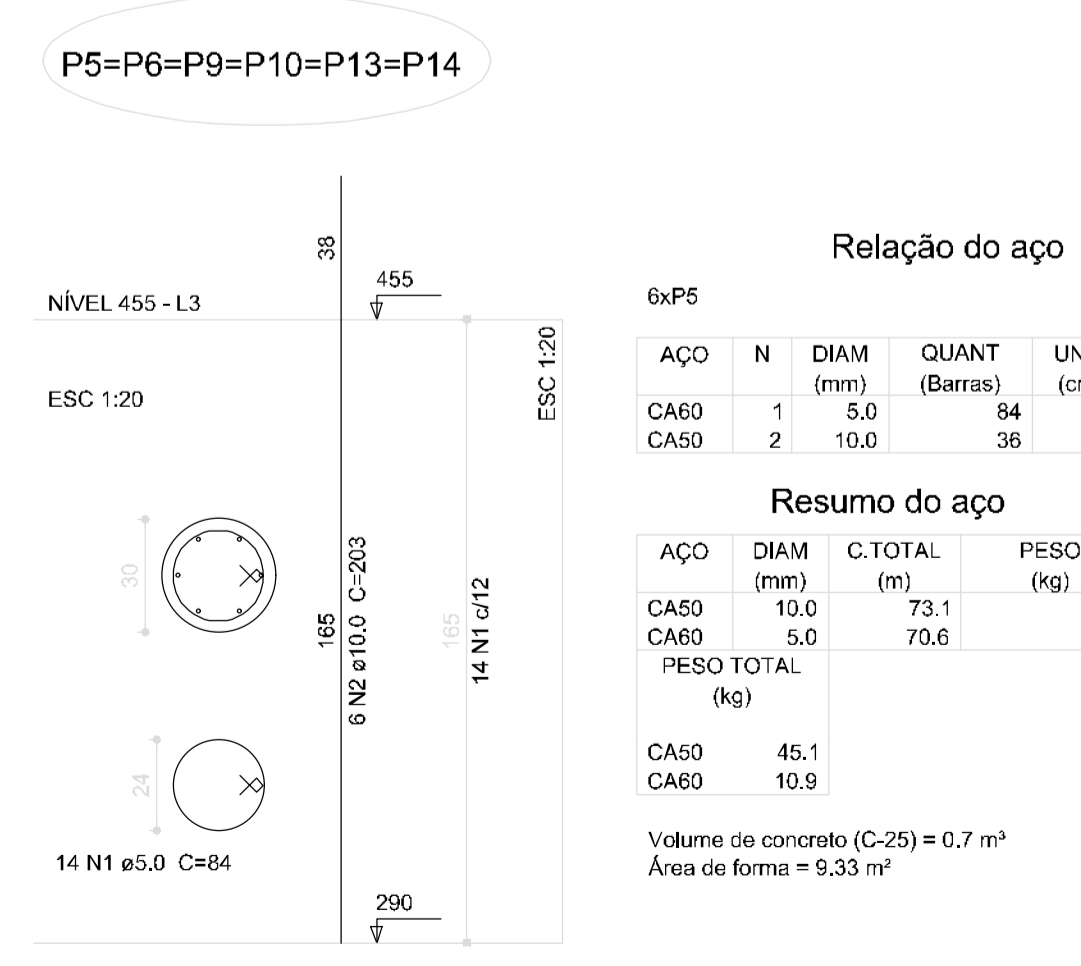
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	300	68	20400
CA50	2	5,0	150	84	12800
CA50	3	10,0	48	287	13776
CA50	4	10,0	36	328	11908

**Resumo do aço**

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	10,0	255,9	157,9
CA60	5,0	330	50,8
<b>PESO TOTAL (kg)</b>			
CA50			157,9
CA60			50,8

Volume de concreto (C-25) = 2,82 m³  
Área de forma = 44,24 m²

**4 PILARES NÍVEL 290**  
ESCALA: INDICADA



**Relação do aço**

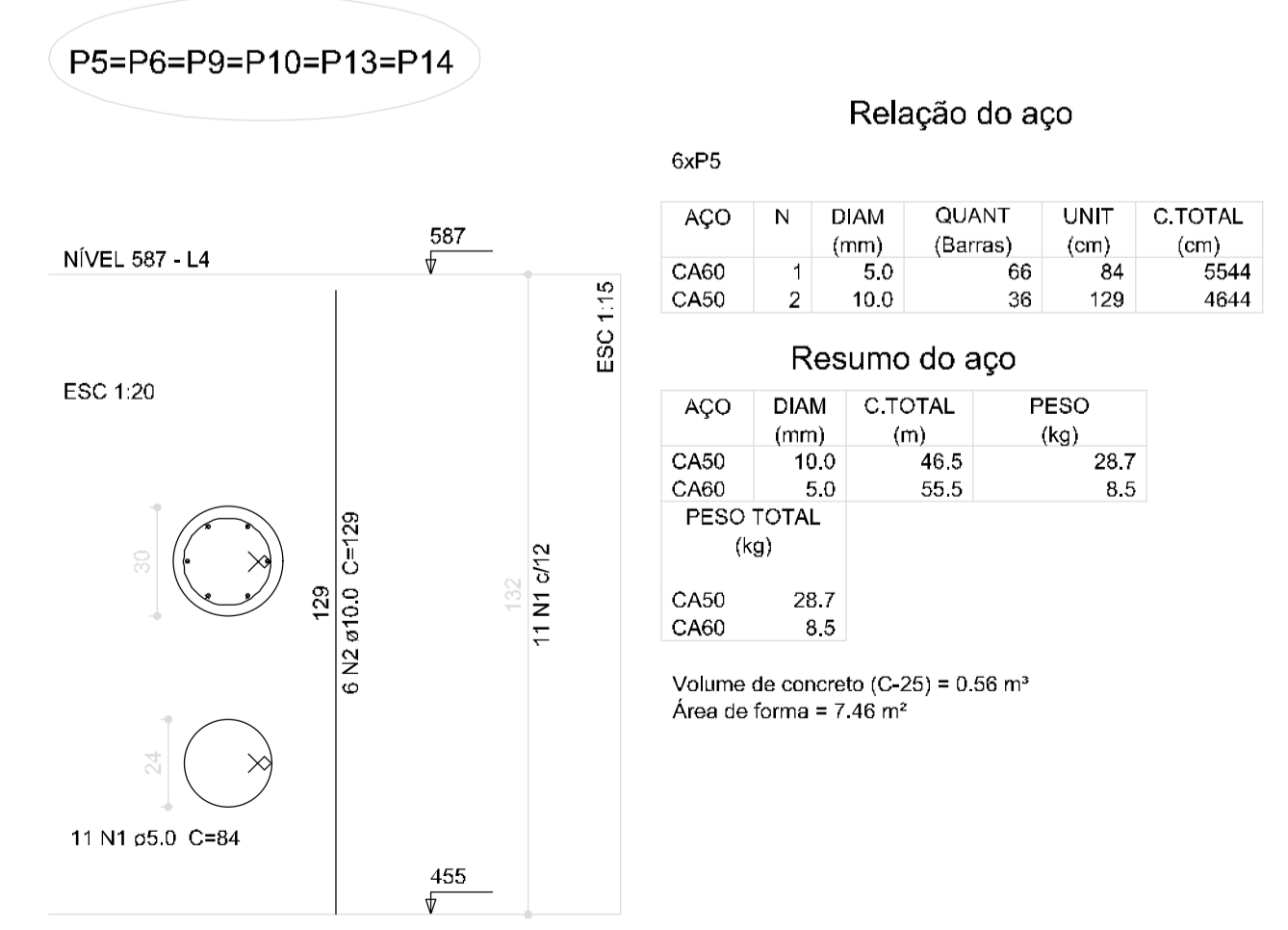
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	84	84	7056
CA50	2	10,0	36	203	7308

**Resumo do aço**

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	10,0	73,1	45,1
CA60	5,0	70,6	10,9
<b>PESO TOTAL (kg)</b>			
CA50			45,1
CA60			10,9

Volume de concreto (C-25) = 0,7 m³  
Área de forma = 9,33 m²

**5 PILARES NÍVEL 455**  
ESCALA: INDICADA



**Relação do aço**

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	66	84	5544
CA50	2	10,0	36	129	4644

**Resumo do aço**

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	10,0	46,5	28,7
CA60	5,0	55,5	8,5
<b>PESO TOTAL (kg)</b>			
CA50			28,7
CA60			8,5

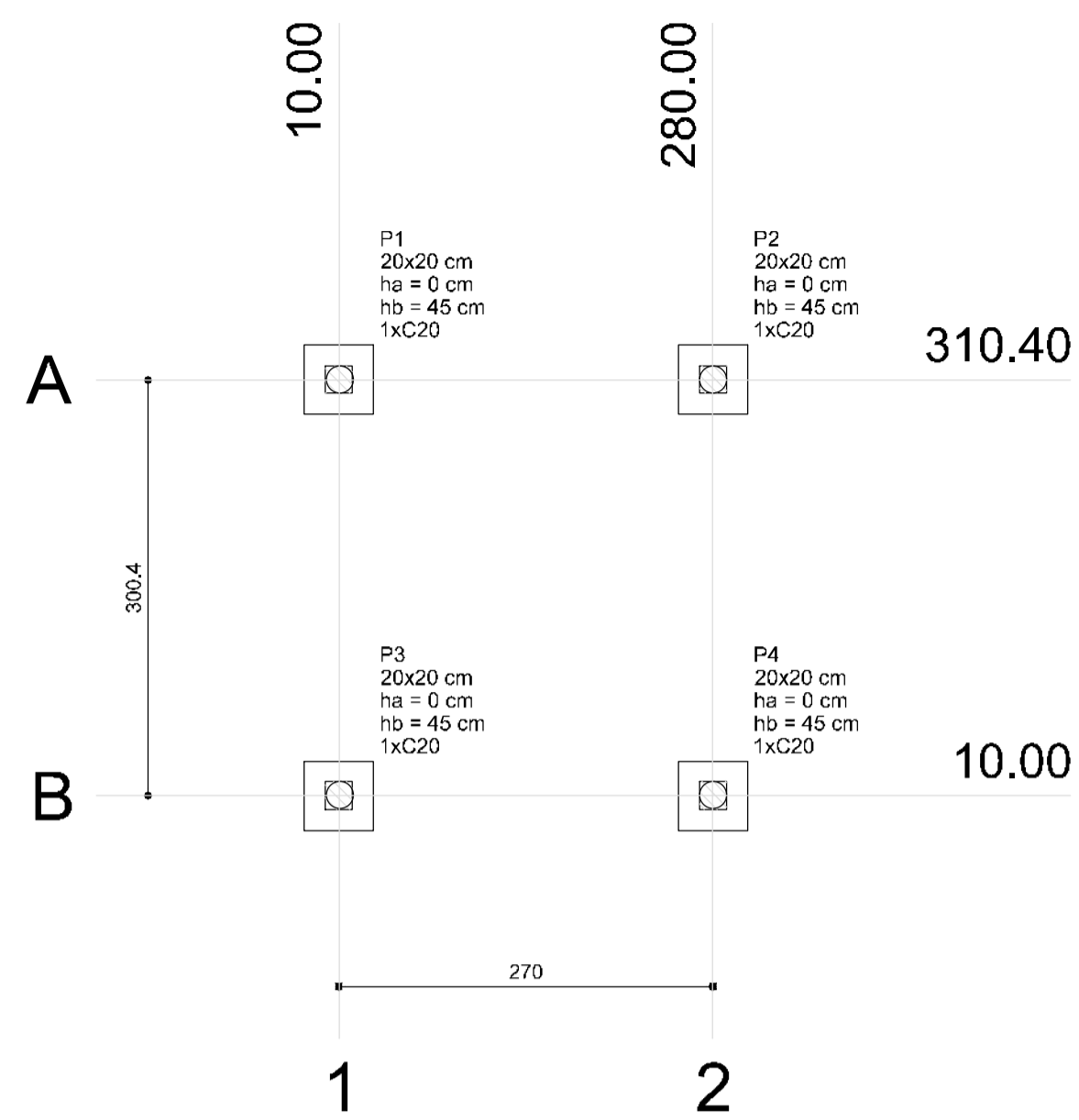
Volume de concreto (C-25) = 0,56 m³  
Área de forma = 7,46 m²

**6 PILARES NÍVEL 587**  
ESCALA 1/50



**PREFEITURA MUNICIPAL DE FEIRA DE SANTANA**  
Secretaria Municipal de Planejamento  
DEPARTAMENTO URBANO

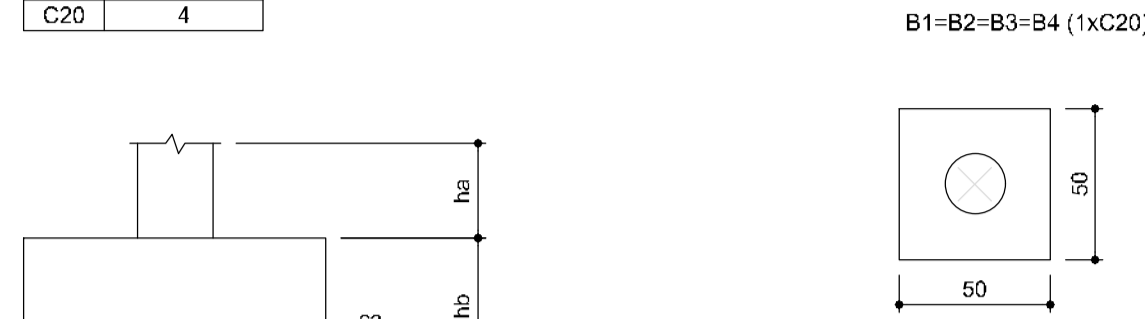
**ESCOLA 6 SALAS DE AULA**  
**PROJETO ESTRUTURAL**



**1 PLANTA DE LOCAÇÃO**  
ESCALA: INDICADA

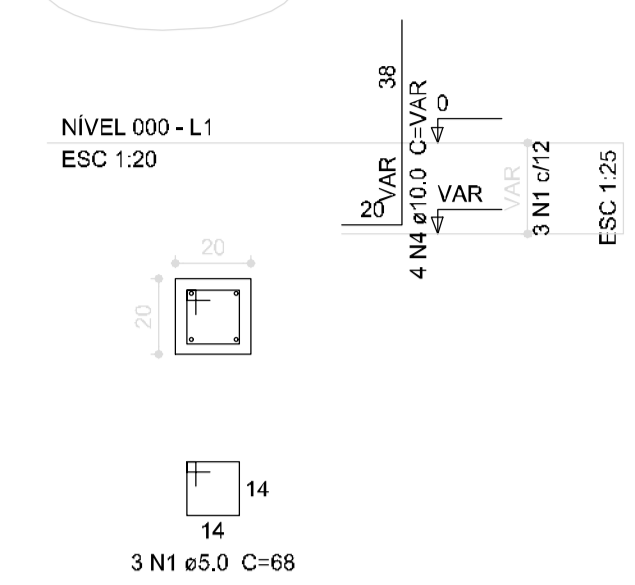
Pilar				Fundação				Bloco				
Nome	Seção (cm)	X (cm)	Y (cm)	Carga Máx. (kgf)	Carga Min. (kgf)	Lado B (cm)	Lado H (cm)	H0 / ha (cm)	h1 / hb (cm)	ne	Estaca	Base tub. (cm)
P1	20x20	10.00	310.40	1200	1100	50	50	0	45	1	C20	-30
P2	20x20	280.00	310.40	1200	1100	50	50	0	45	1	C20	-30
P3	20x20	10.00	10.00	1200	1100	50	50	0	45	1	C20	-30
P4	20x20	280.00	10.00	1200	1100	50	50	0	45	1	C20	-30

Estacas	
Nome	Quantidade
C20	4

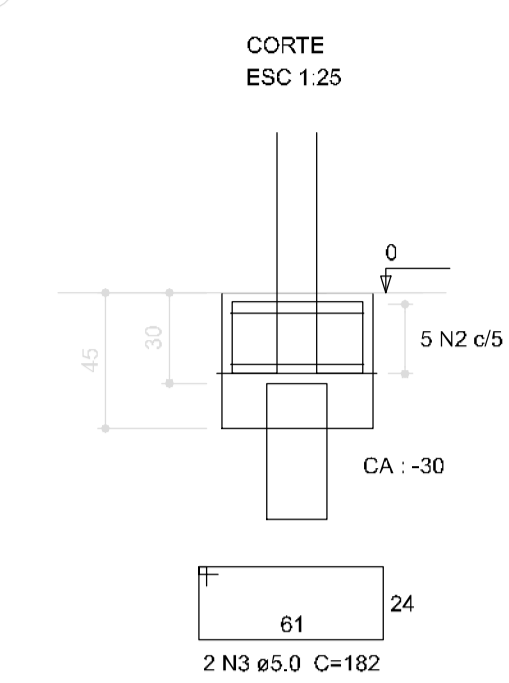
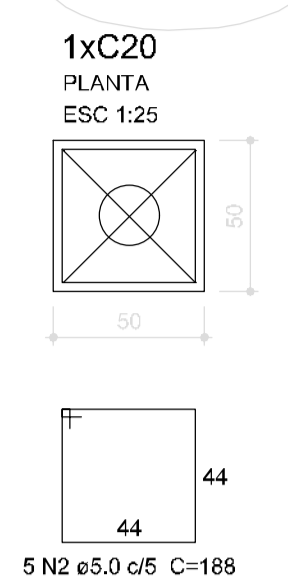


**2 LEGENDA DOS BLOCOS**  
ESCALA: 1/25

P1=P2=P3=P4



B1=B2=B3=B4



Relação do aço

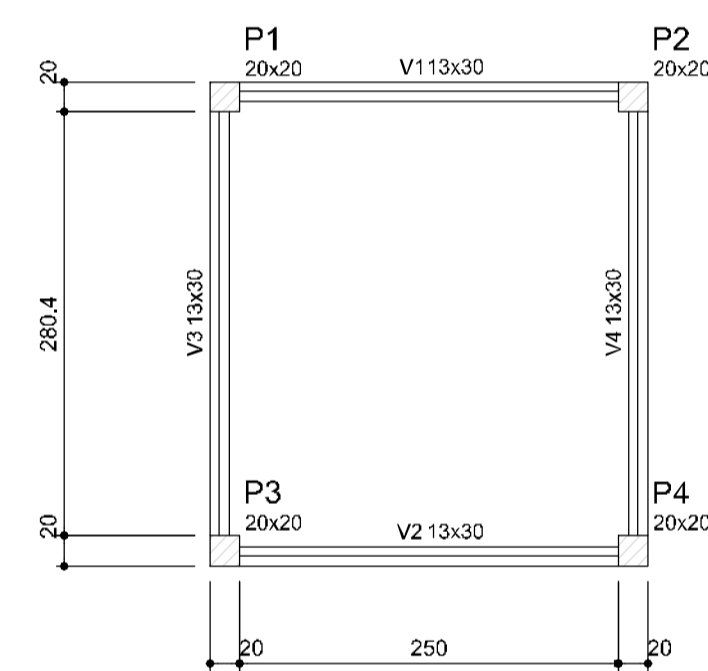
AÇO	N	DIAM (mm)	QUANT (Barra)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	12	68	816
CA60	2	5.0	20	188	3760
CA50	3	5.0	8	182	1456
CA50	4	10.0	16	VAR	VAR

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	10.0	13.8	8.5
CA60	5.0	60.4	9.3
PESO TOTAL (kg)			
CA50	8.5		
CA60	9.3		

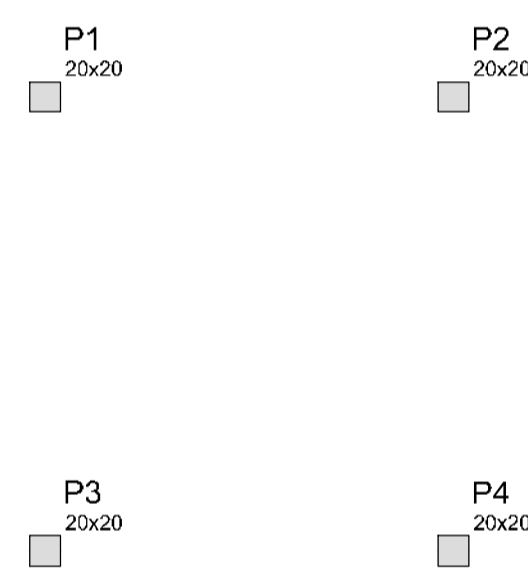
Volume de concreto (C-25) = 0.48 m³  
Área de forma = 4.56 m²

**3 BLOCOS DE FUNDAÇÃO**  
ESCALA: INDICADA



Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	13x30	0	0
V2	13x30	0	0
V3	13x30	0	0
V4	13x30	0	0

Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
250	238000



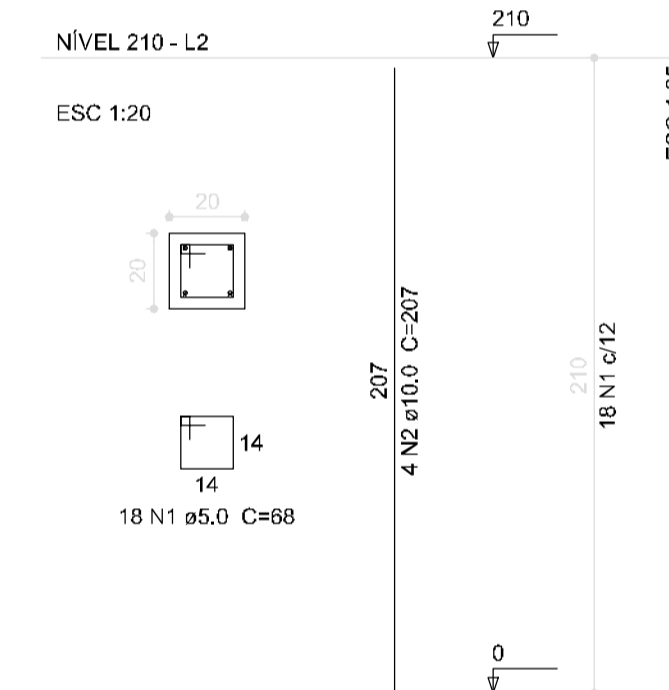
Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	13x30	0	0
V2	13x30	0	0
V3	13x30	0	0
V4	13x30	0	0

Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
250	238000

**4 FORMA NÍVEL 000**  
ESCALA: 1/25

**5 FORMA NÍVEL 210**  
ESCALA: 1/25

P1=P2=P3=P4



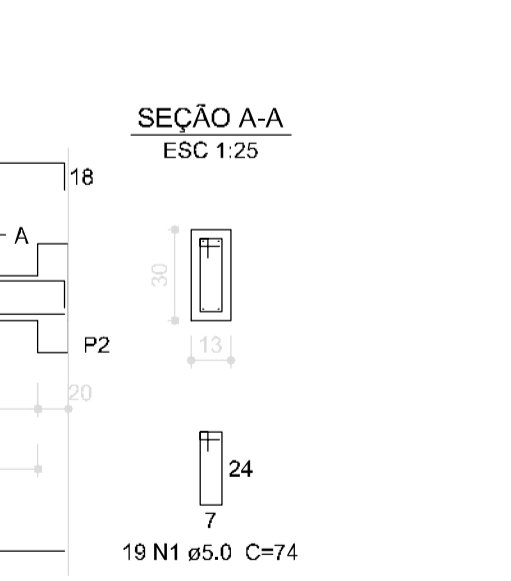
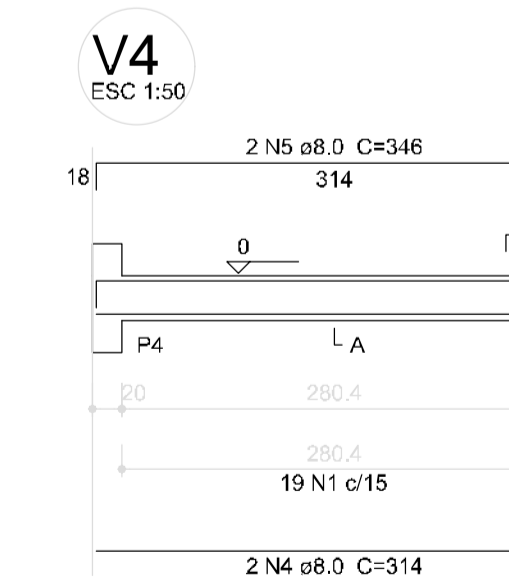
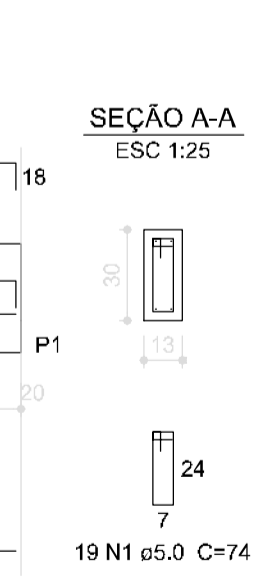
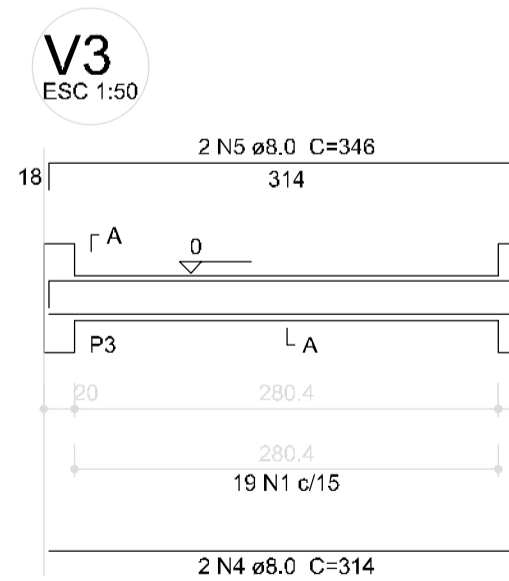
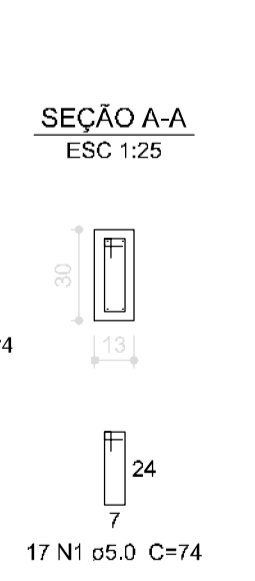
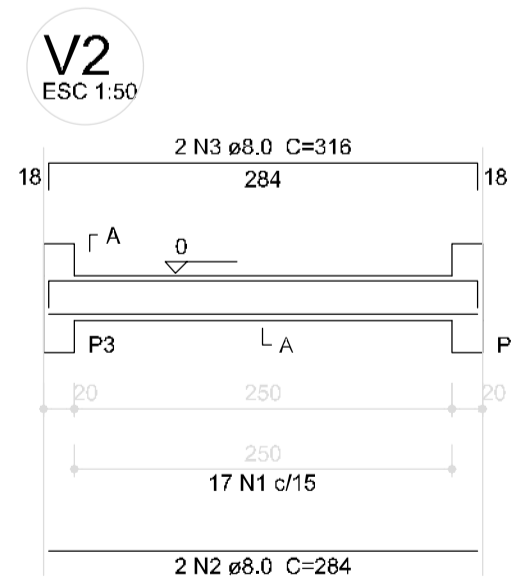
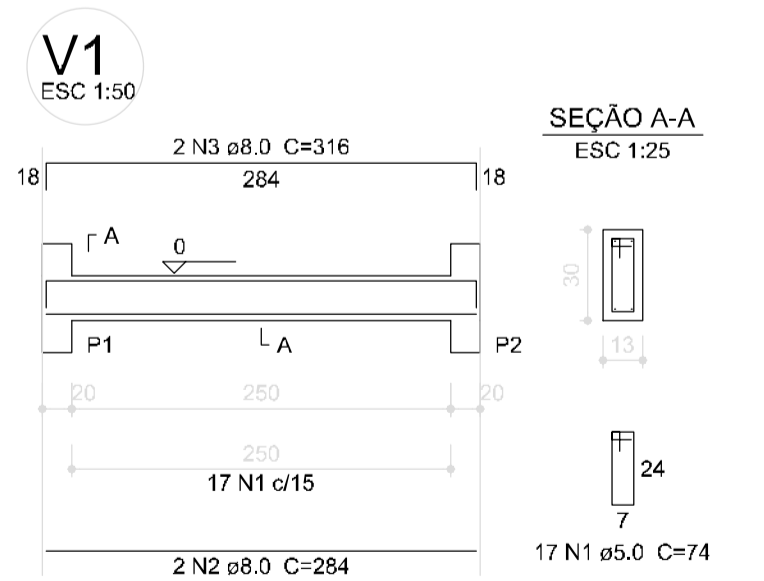
Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barra)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	72	68	4896
CA50	2	10.0	16	207	3312

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	10.0	33.2	20.5
CA60	5.0	49	7.5
PESO TOTAL (kg)			
CA50	20.5		
CA60	7.5		

Volume de concreto (C-25) = 0.34 m³  
Área de forma = 6.72 m²

**6 PILARES NÍVEL 210**  
ESCALA: INDICADA



Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barra)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	72	74	5328
CA60	2	8.0	4	284	1136
CA60	3	8.0	4	316	1264
CA60	4	8.0	4	314	1256
CA60	5	8.0	4	346	1384

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	50.4	19.9
CA60	5.0	53.3	8.2
PESO TOTAL (kg)			
CA50	19.9		
CA60	8.2		

Volume de concreto (C-25) = 0.48 m³  
Área de forma = 8.91 m²

**7 VIGAS NÍVEL 000**  
ESCALA: 1/50



PREFEITURA MUNICIPAL DE  
**FEIRA DE SANTANA**  
Secretaria Municipal de Planejamento  
DEPARTAMENTO URBANO

PROJETO: **ESCOLA 6 SALAS DE AULA**  
**PROJETO ESTRUTURAL**

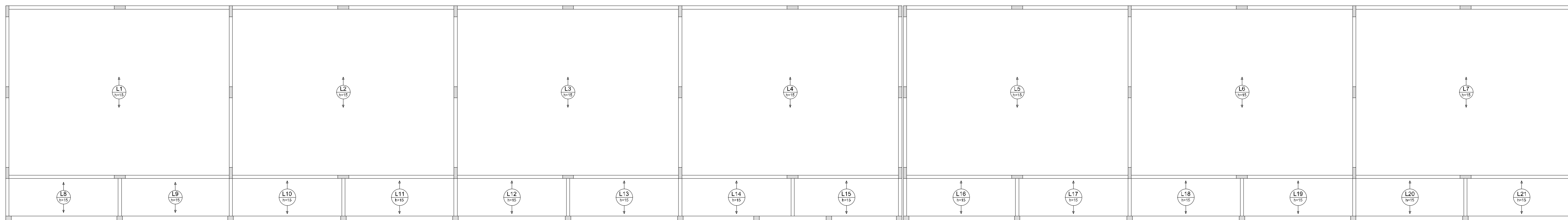
ENDEREÇO: Povoado Água Grande, Distrito de Maria Quitéria, Feira de Santana-Bahia

TÍTULO: PLANTA DE LOCAÇÃO / BLOCOS DE FUNDAÇÃO

FORMAS, PILARES E VIGAS (PASSARELA E VIGAS (PASSARELA M1))

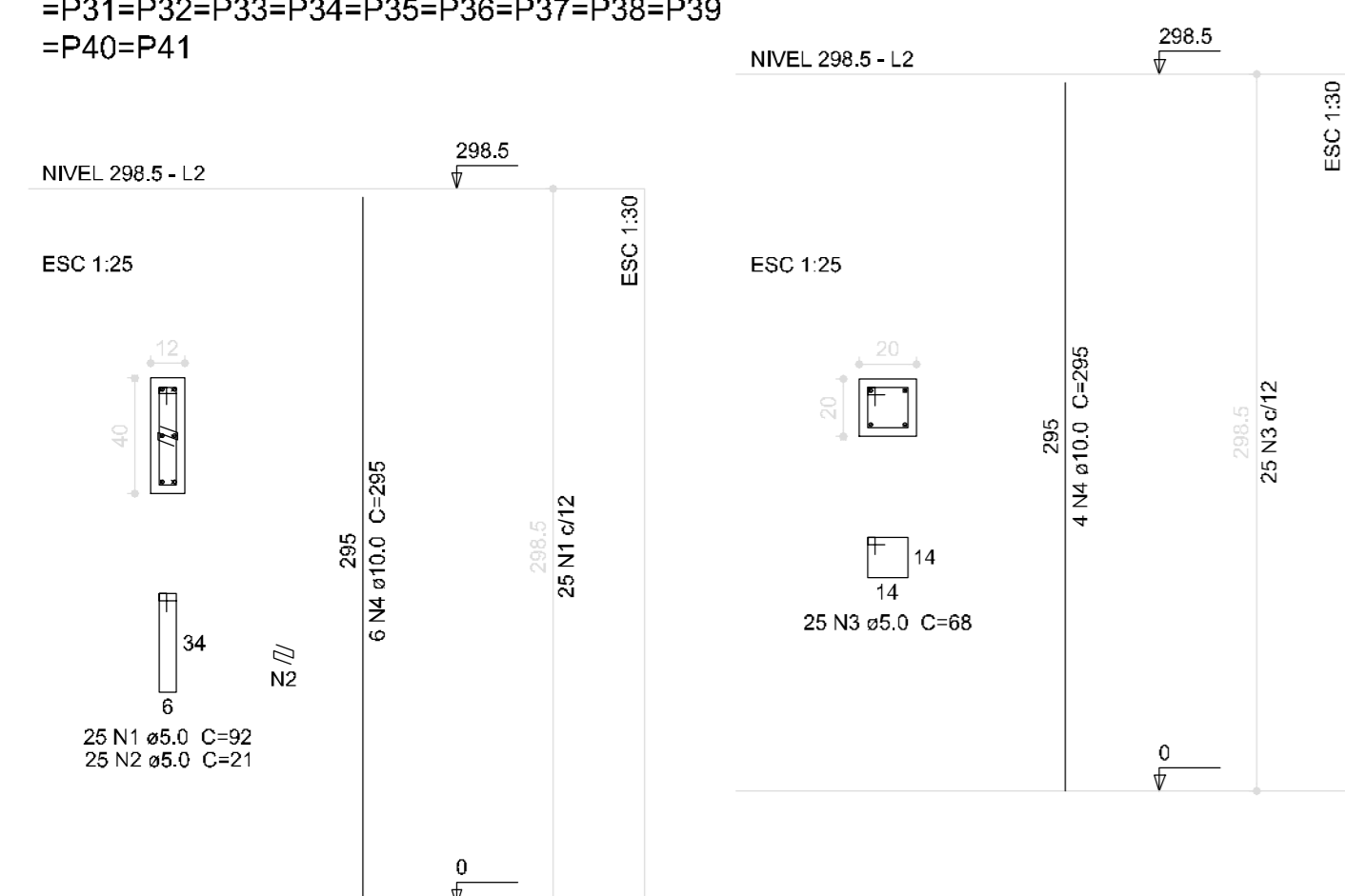
DATA: MAI/2020

ESCALA: INDICADA



**2** LAJES PRÉ-MOLDADAS NÍVEL 298.5  
ESCALA 1/75

P1=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=P31=P32=P33=P34=P35=P36=P37=P38=P39=P40=P41



**1** PILARES NÍVEL 298.5  
ESCALA: INDICADA

**Relação do aço**

41xP1 17xP42

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CAB0	1	5.0	1025	92	94300
	2	5.0	1025	21	21525
	3	5.0	425	68	28900
CA50	4	10.0	314	295	92630

**Resumo do aço**

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	10.0	926.3	571.5
CAB0	5.0	1447.3	222.9
<b>PESO TOTAL (kg)</b>			
CA50		571.5	
CAB0		222.9	

Volume de concreto (C-25) = 7.9 m³  
Área de forma = 187.85 m²



**PREFEITURA MUNICIPAL DE  
FEIRA DE SANTANA**  
Secretaria Municipal de Planejamento  
**DEPARTAMENTO URBANO**

PROJETO: **ESCOLA 6 SALAS DE AULA**  
**PROJETO ESTRUTURAL**

LOCAL: Povoado Água Grande, Distrito de Maria Quitéria, Feira de Santana-Bahia

TÍTULO: **PILARES E LAJES**  
NÍVELS 298.5 (BLOCO PEDAGÓGICO)

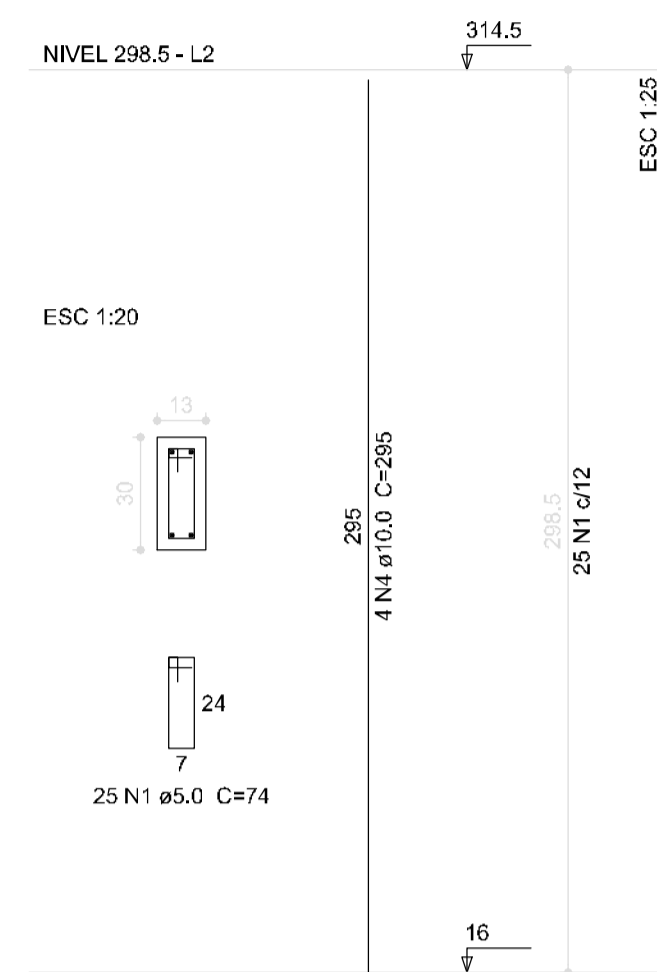
DATA: MAI/2020

PROJETO: 6-SCD-UD-PDG-047\_002

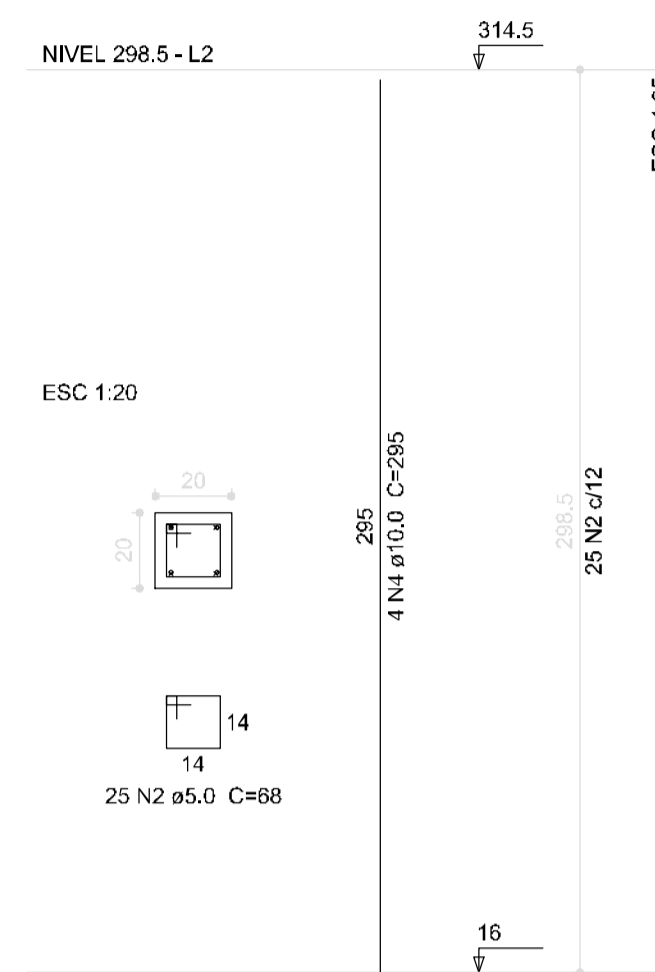
ESCALA: INDICADA

FOLHA: 00

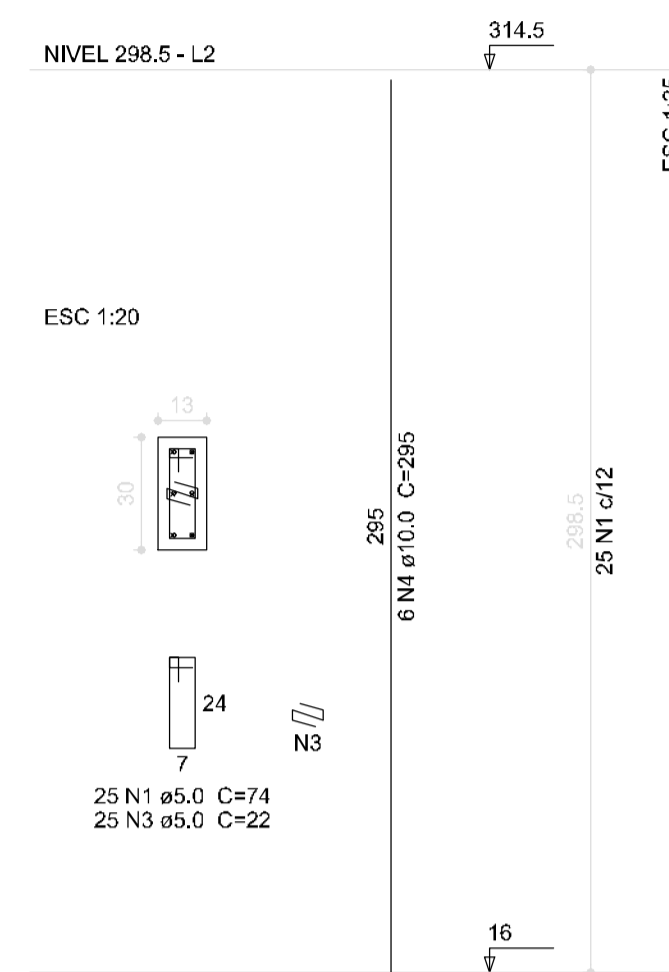
P1=P2=P8=P9=P10



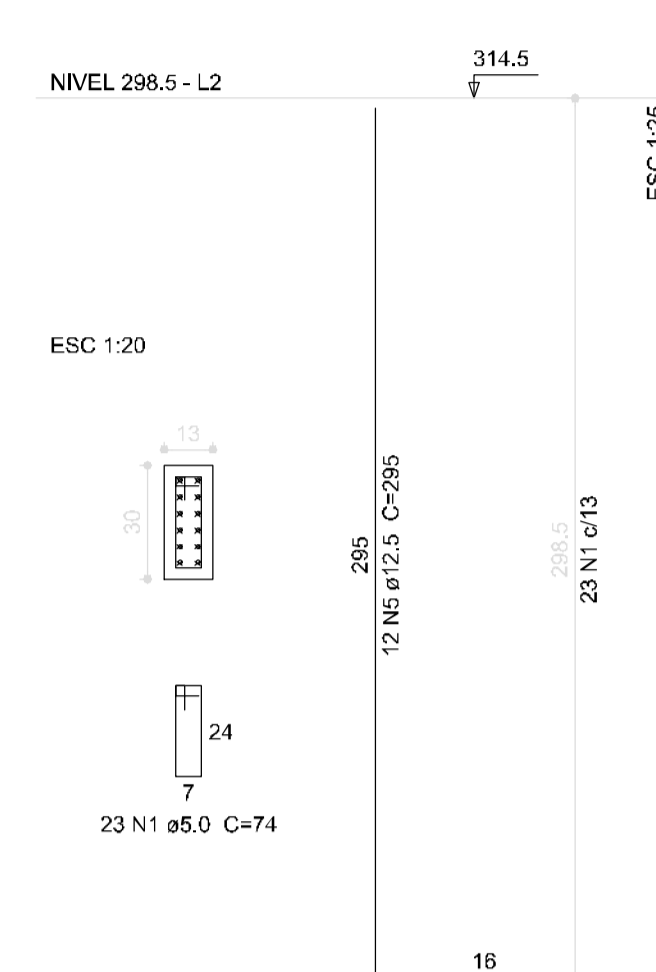
P13=P14=P15=P16



P3=P4=P11



P5=P12



Relação do aço

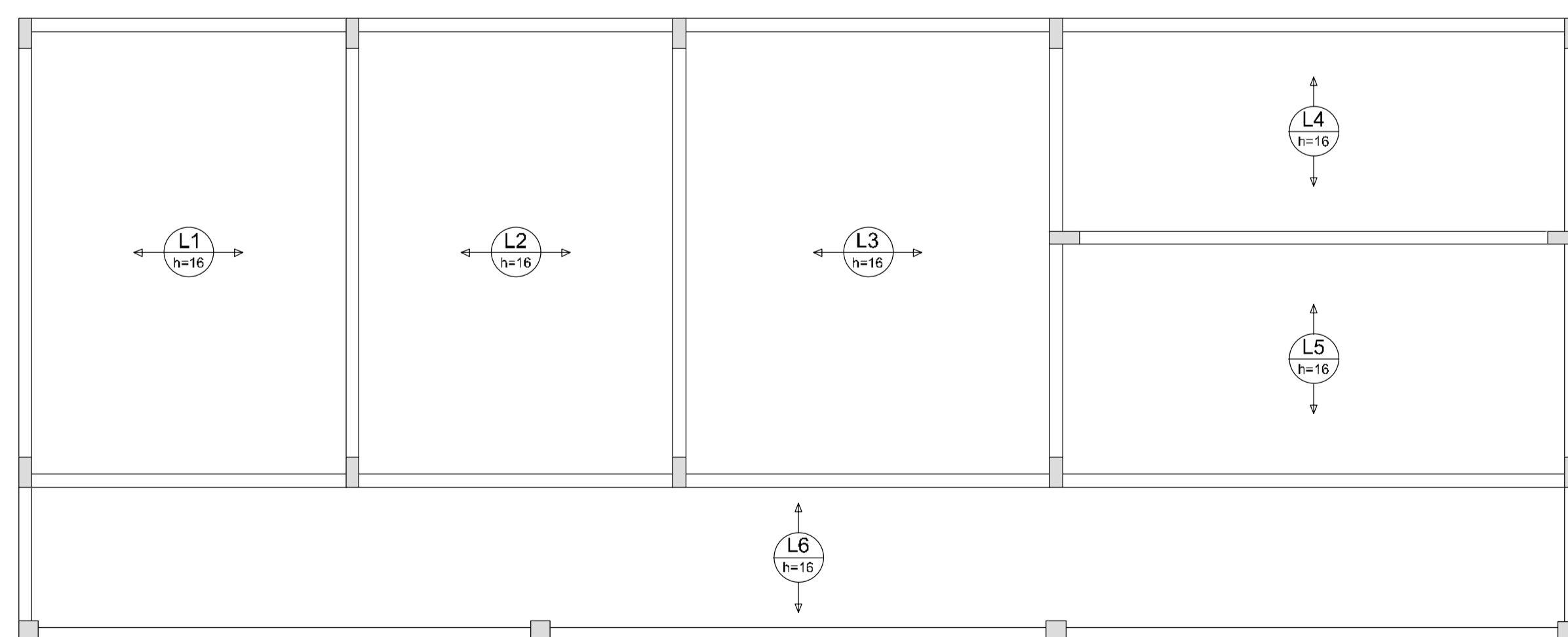
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL
					(cm)
CA80	1	5.0	246	74	18204
	2	5.0	100	68	6800
	3	5.0	75	22	1650
CA50	4	10.0	54	295	15530
	5	12.5	24	295	7080

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	10.0	159.3	98.3
	12.5	70.8	68.2
CA80	5.0	206.6	41.1
PESO TOTAL (kg)			
CA50		166.5	
CA80		41.1	

Volume de concreto (C-25) = 1.54 m³  
Área de forma = 35.22 m²

**1** PILARES NÍVEL 298.5  
ESCALA: INDICADA



**2** ARMAÇÃO POSITIVA DAS LAJES NÍVEL 298.5  
ESCALA: 1/50



PREFEITURA DE MUNICIPAL DE  
**FEIRA DE SANTANA**

Secretaria Municipal de Planejamento  
DEPARTAMENTO URBANO

PROJETO  
**ESCOLA 6 SALAS DE AULA**  
**PROJETO ESTRUTURAL**

ENDEREÇO: Povoado Água Grande, Distrito de Maria Quitéria, Feira de Santana-Bahia

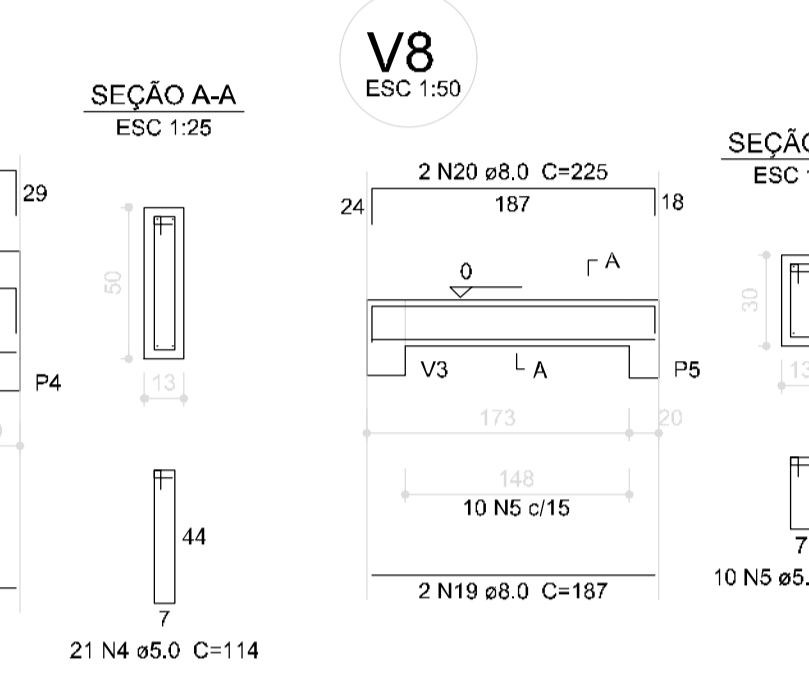
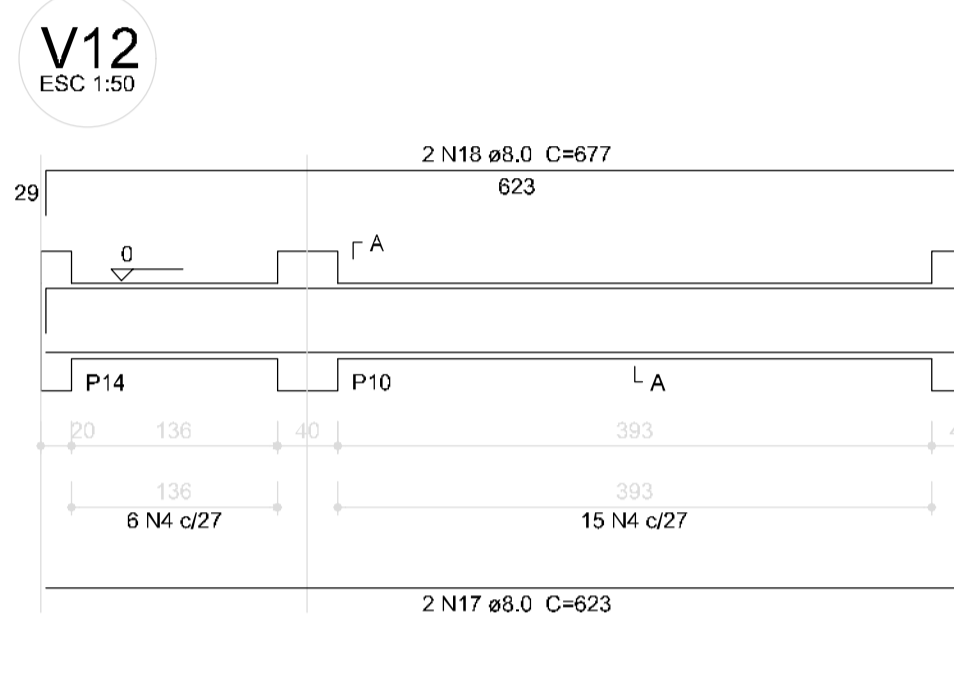
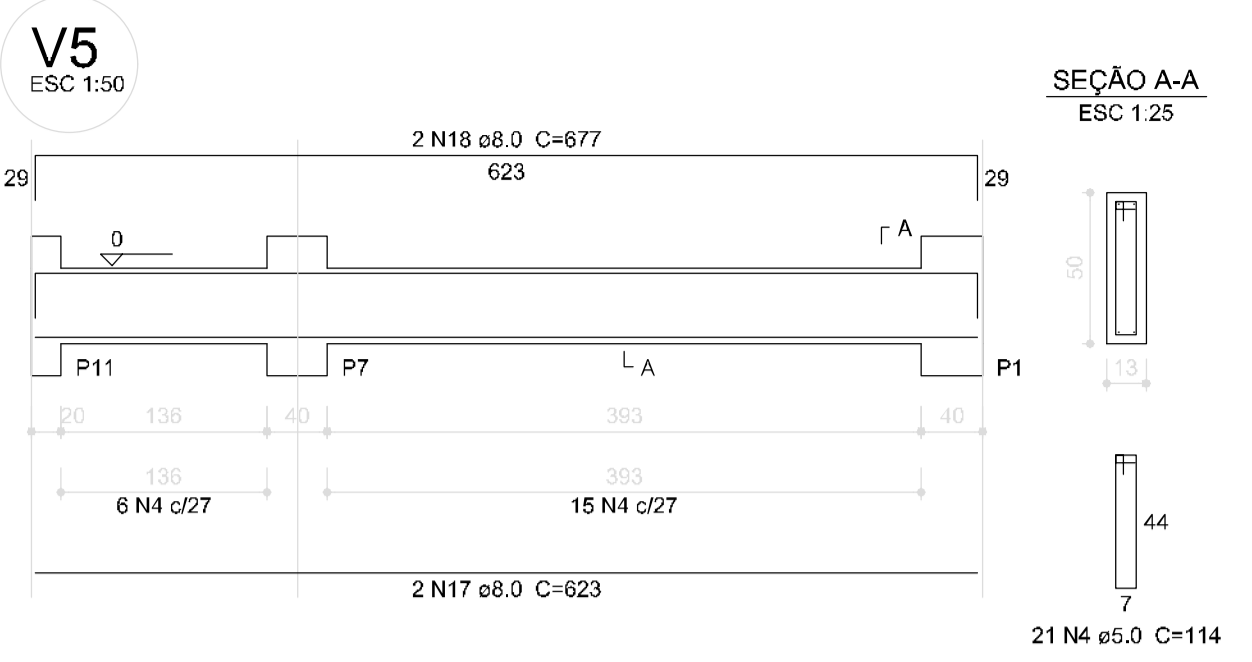
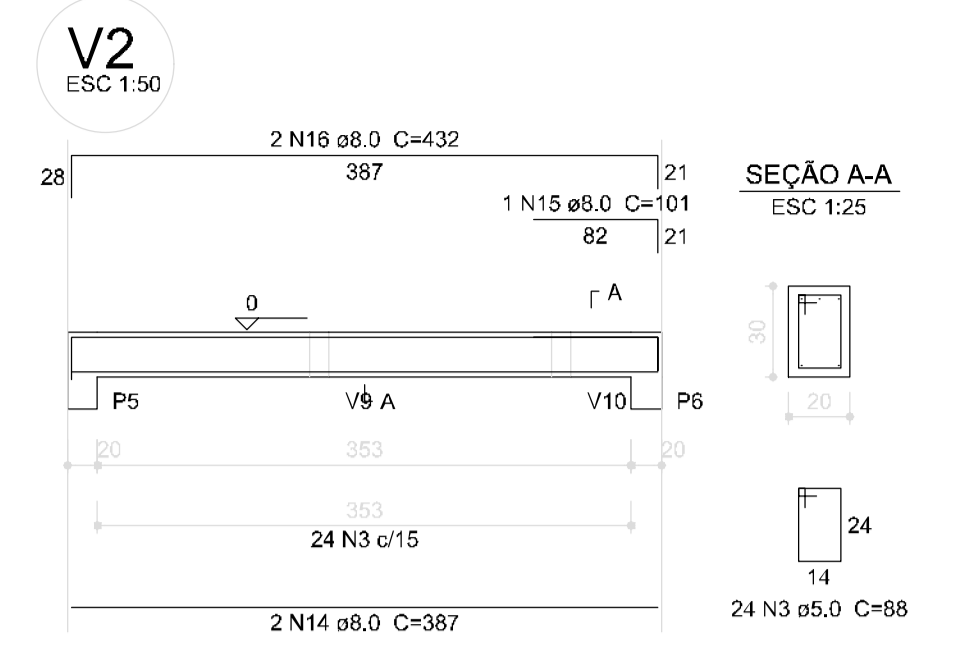
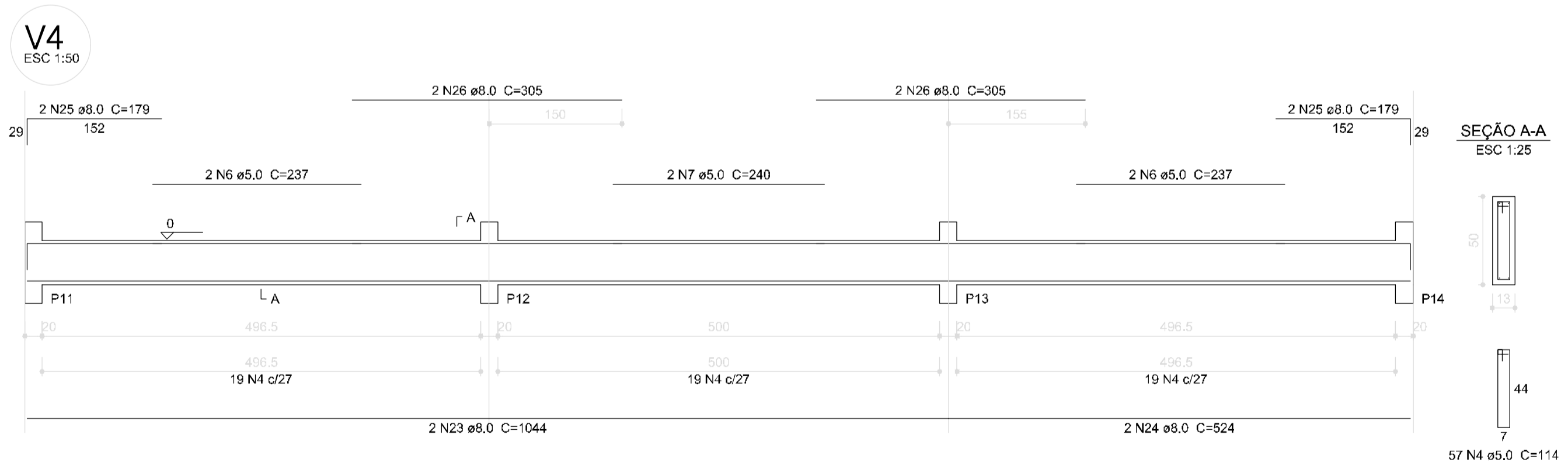
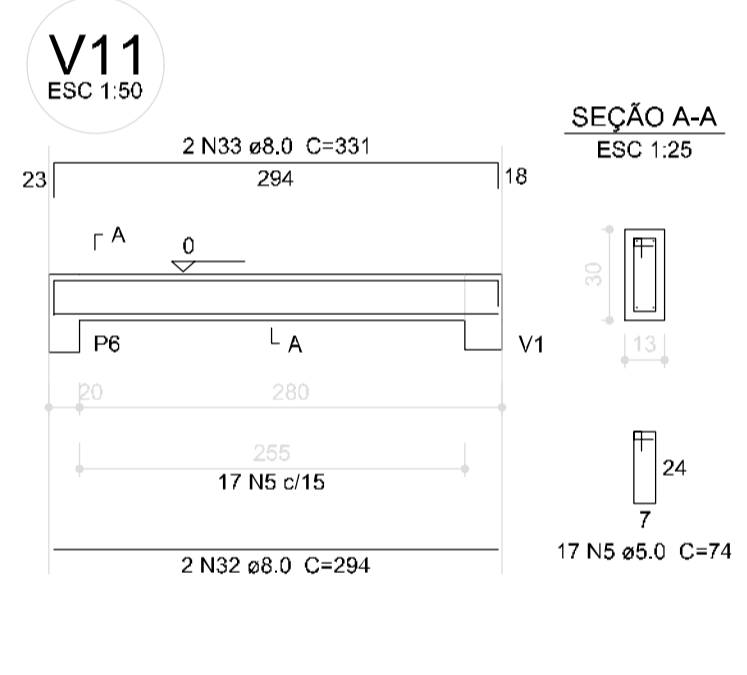
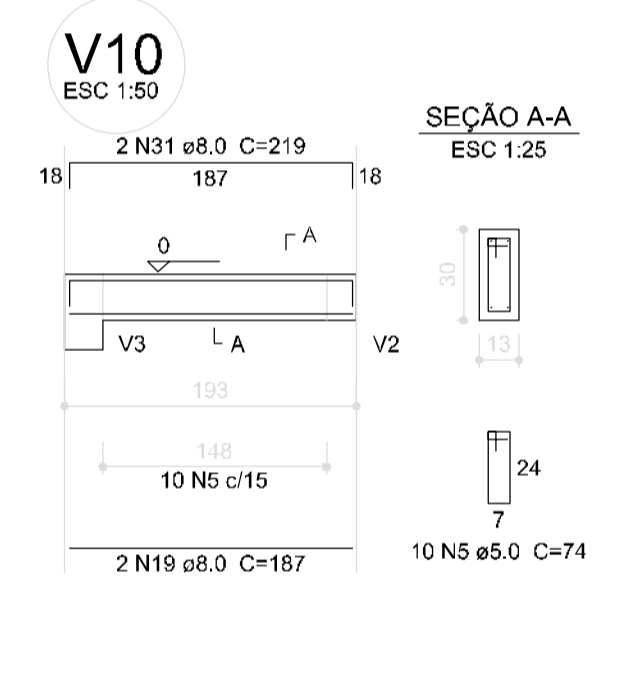
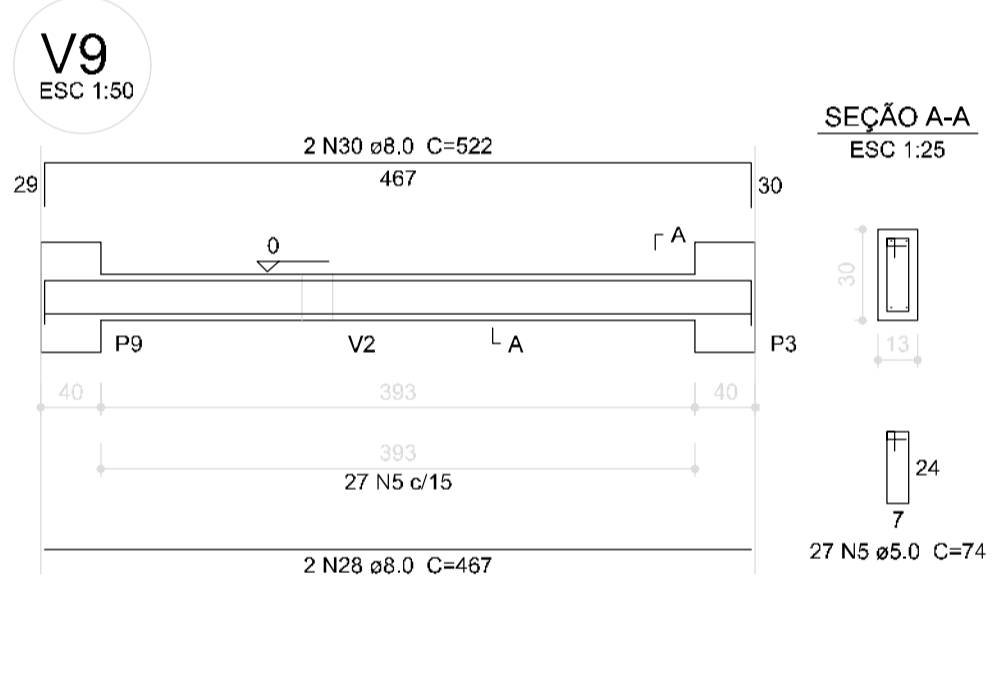
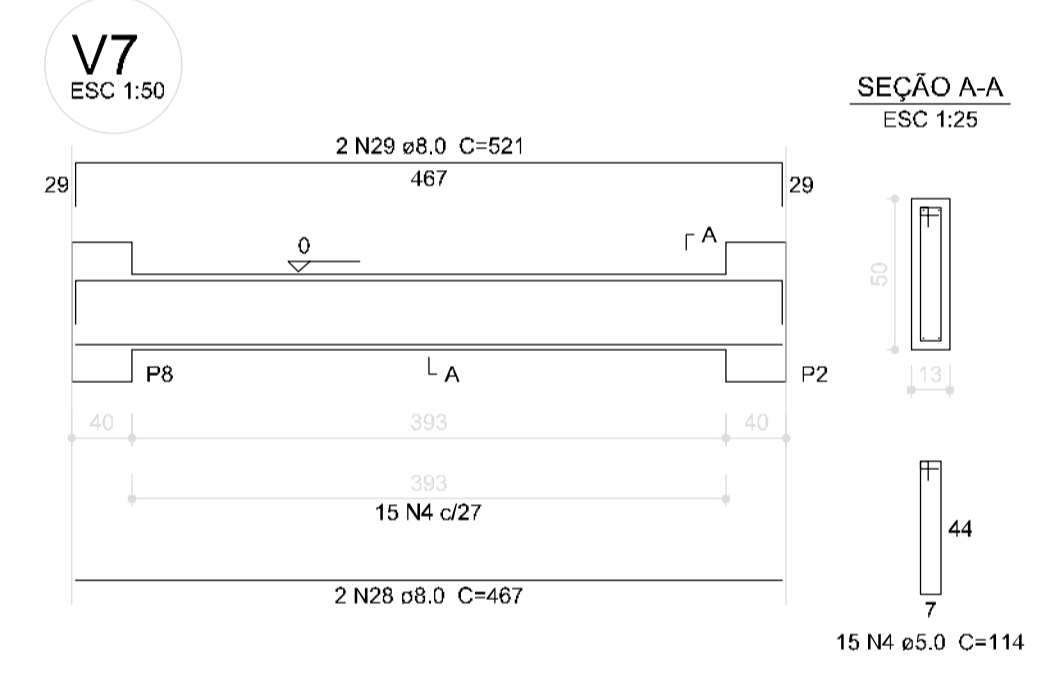
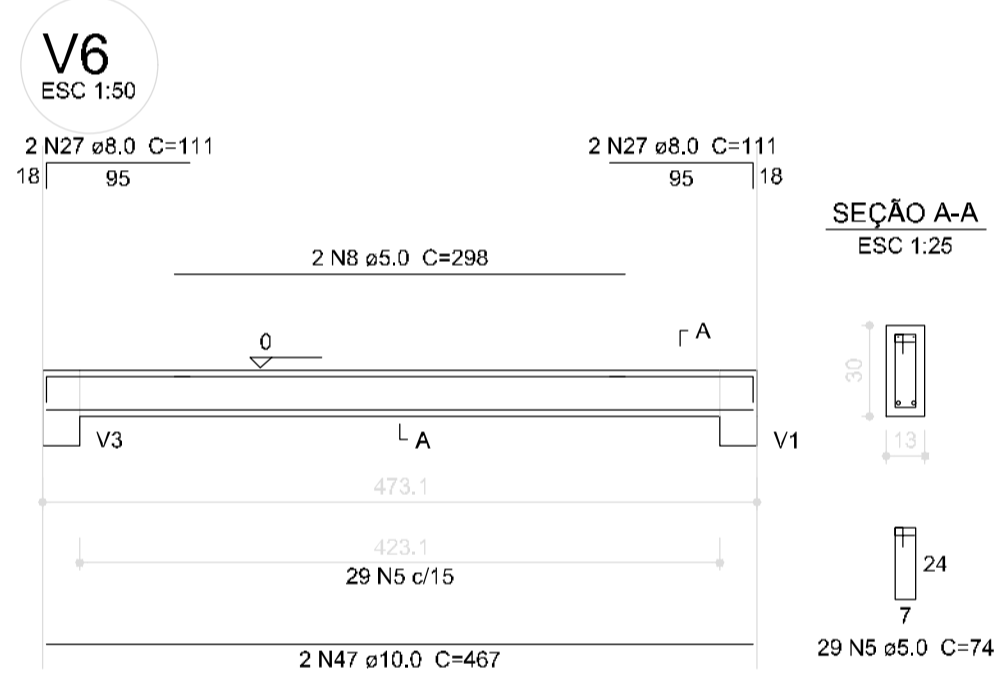
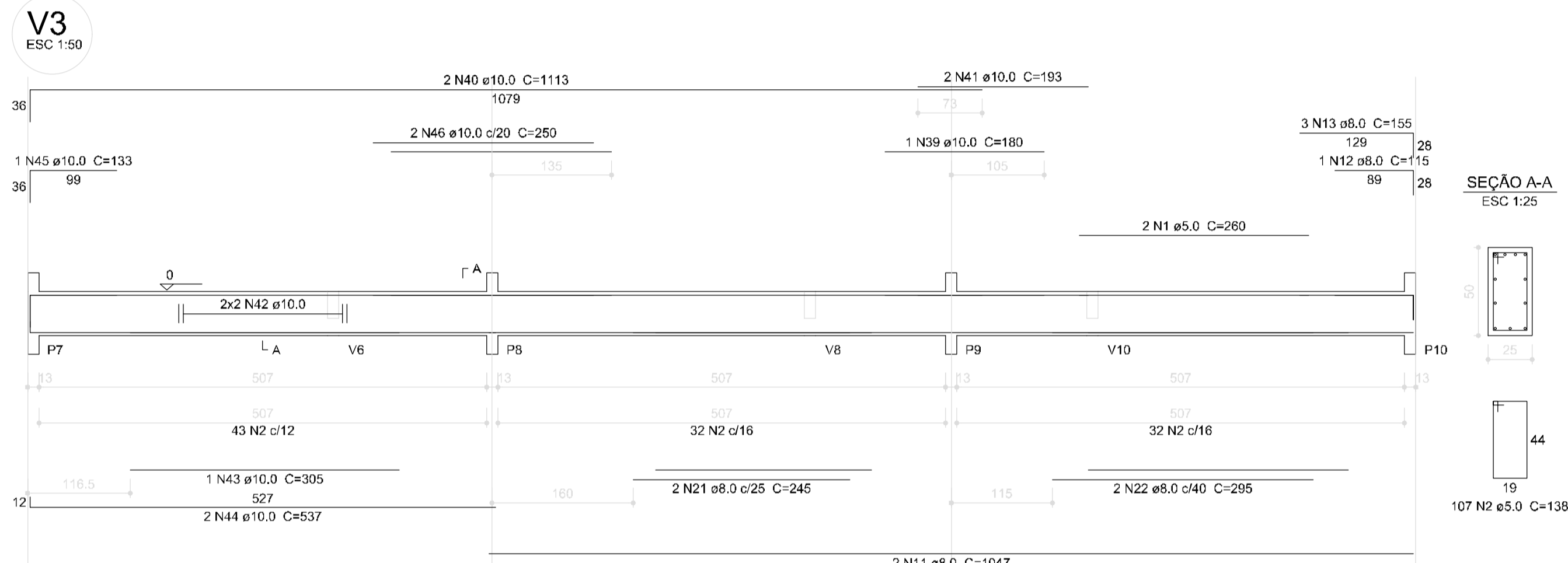
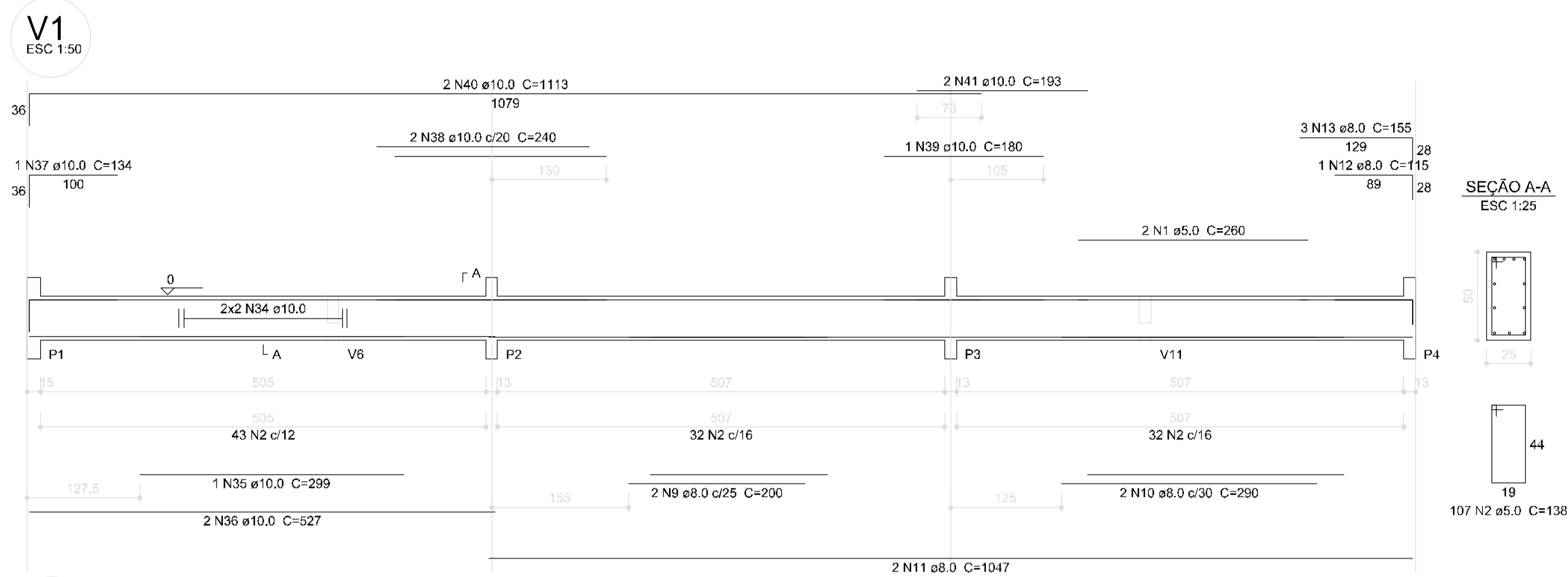
TÍTULO: PILARES E LAJES  
NÍVEIS 298.5 (BLOCO DE SERVIÇO)

DATA: MAI/2020

PROJETO: 6-SCO-PLD-SERG-17\_R02

ESCALA: INDICADA

FOLHA: **17/22**



**Relação do aço**

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	4	260	1040
	2	5.0	214	138	29532
	3	5.0	24	88	2112
	4	5.0	114	114	12996
	5	5.0	93	74	6882
	6	5.0	4	237	948
	7	5.0	2	240	480
	8	5.0	2	298	596
	9	8.0	2	200	400
	10	8.0	2	290	580
	11	8.0	4	1047	4188
	12	8.0	2	115	230
	13	8.0	6	155	930
	14	8.0	2	387	774
	15	8.0	1	101	101
	16	8.0	2	432	864
	17	8.0	4	623	2492
	18	8.0	4	677	2708
	19	8.0	4	187	748
	20	8.0	2	225	450
	21	8.0	2	245	490
	22	8.0	2	295	590
	23	8.0	2	1014	2028
	24	8.0	2	524	1048
	25	8.0	4	179	716
	26	8.0	4	305	1220
	27	8.0	4	111	444
	28	8.0	4	467	1868
	29	8.0	2	527	1054
	30	8.0	2	522	1044
	31	8.0	2	219	438
	32	8.0	2	294	588
	33	8.0	2	331	662
	34	10.0	4	CORR	2020
	35	10.0	1	299	299
	36	10.0	2	527	1054
	37	10.0	1	134	134
	38	10.0	2	240	480
	39	10.0	2	180	360
	40	10.0	4	1113	4452
	41	10.0	4	193	772
	42	10.0	4	CORR	2028
	43	10.0	1	305	305
	44	10.0	2	537	1074
	45	10.0	1	133	133
	46	10.0	2	250	500
	47	10.0	2	467	934

**Resumo do aço**

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA60	8.0	267.1	105.5
CA60	10.0	145.5	89.8
CA60	5.0	545.9	84.1
<b>PESO TOTAL (kg)</b>			
CA60	195.3		
CA60	84.1		

Volume de concreto (C-25) = 6,95 m³  
 Área de forma = 91,72 m²

**1** VIGAS NÍVEL 000  
 ESCALA: INDICADA



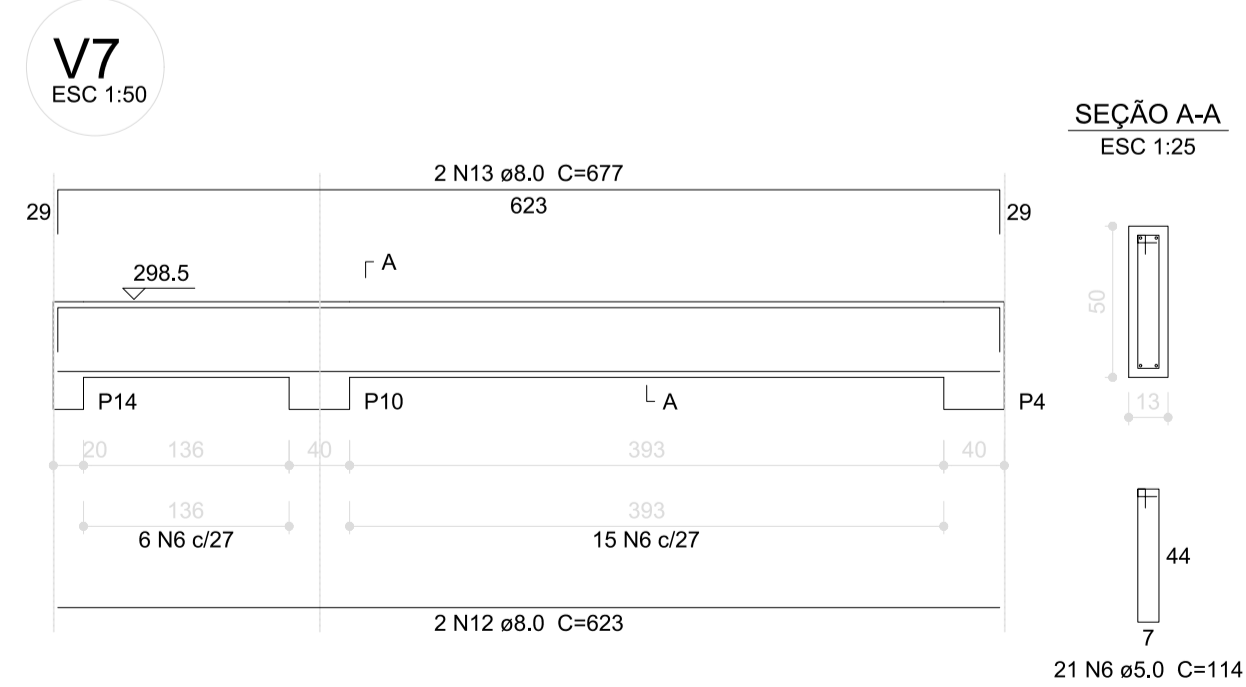
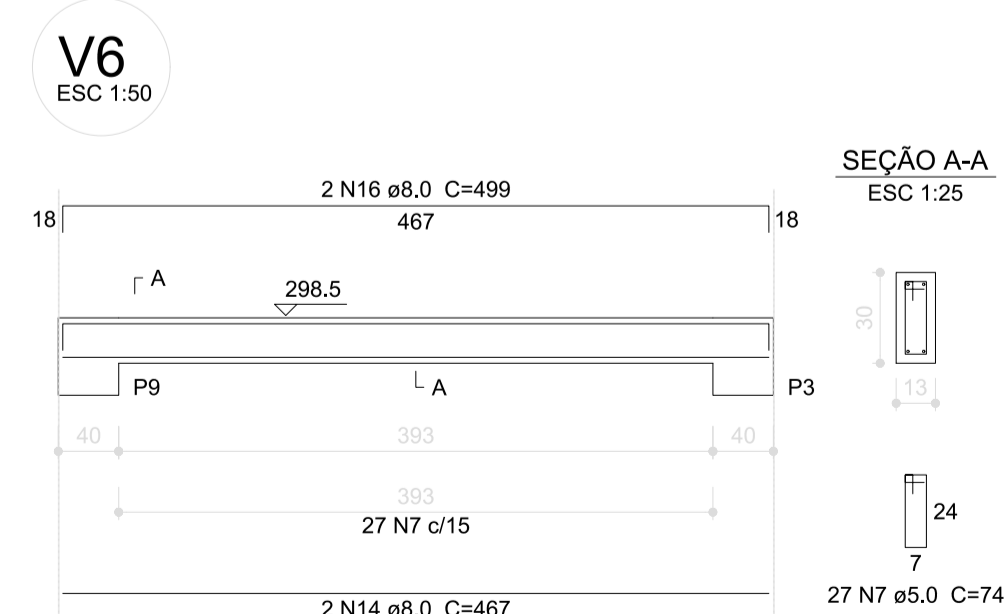
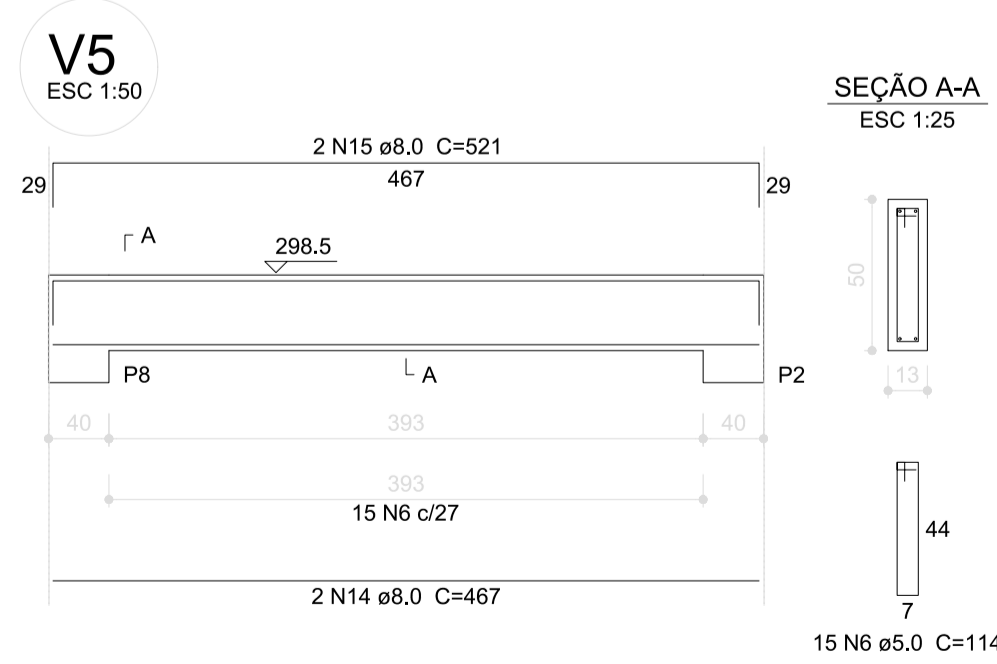
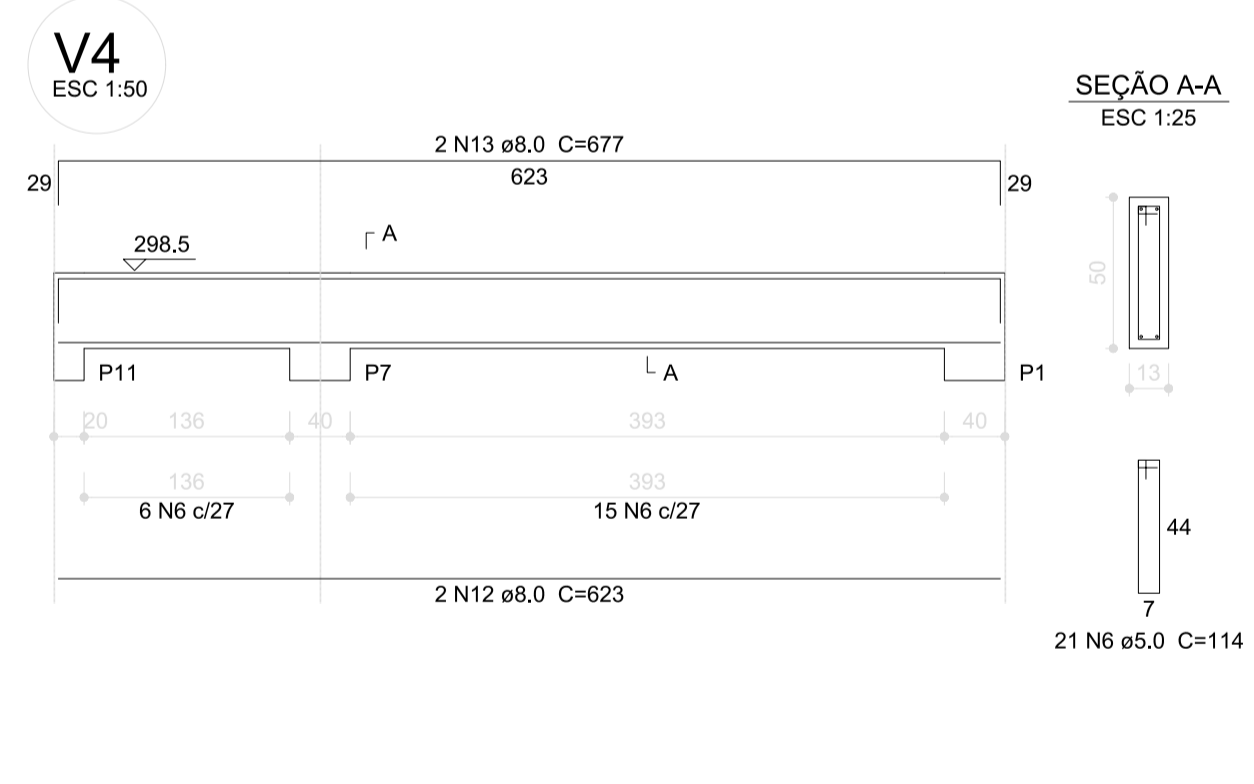
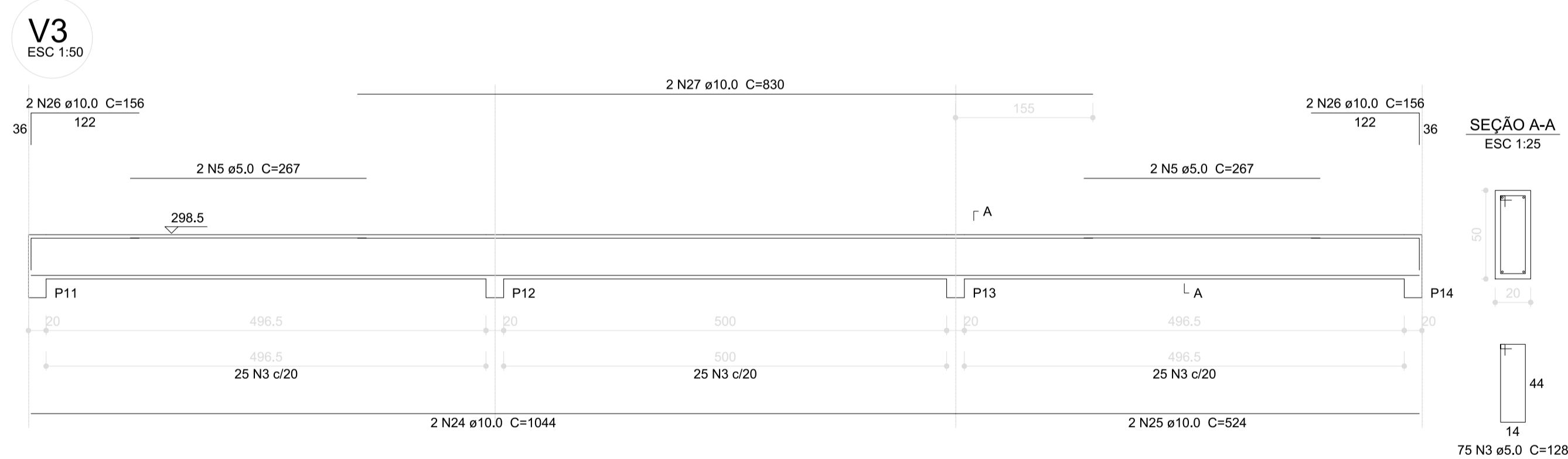
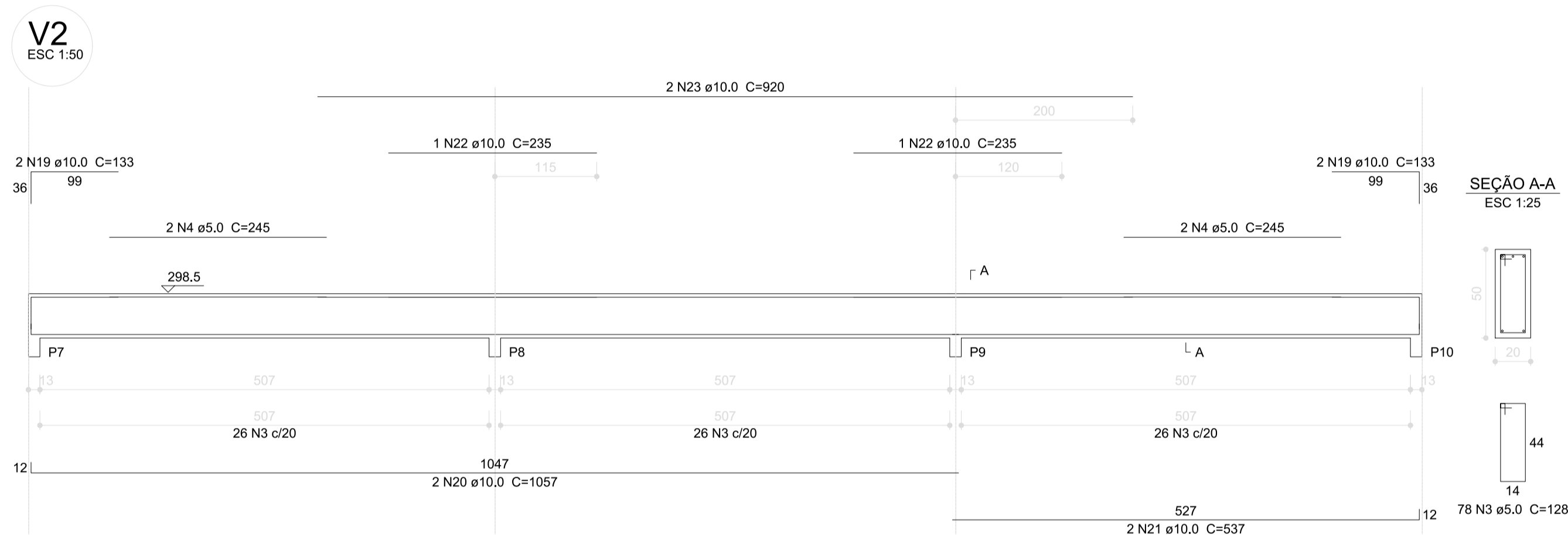
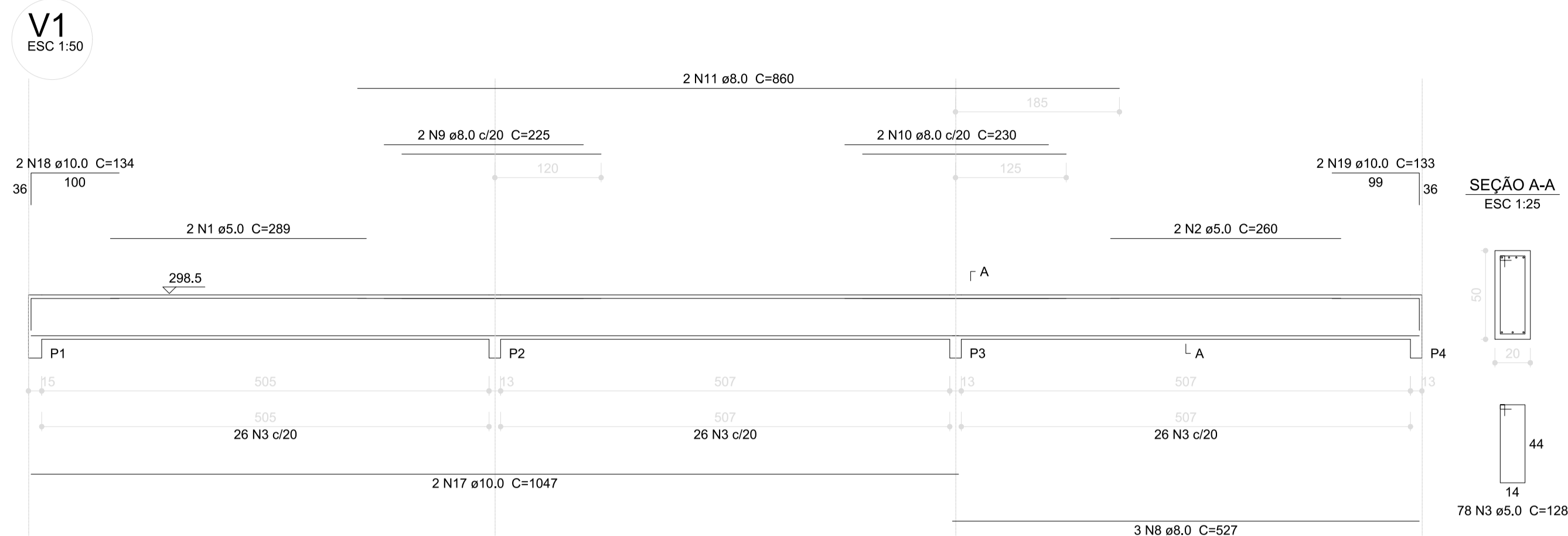
**PREFEITURA MUNICIPAL DE FEIRA DE SANTANA**  
 Secretária Municipal de Planejamento  
 DEPARTAMENTO URBANO

PROJETO: **ESCOLA 6 SALAS DE AULA PROJETO ESTRUTURAL**

ENDEREÇO: Povoado Água Grande, Distrito de Maria Quitéria, Feira de Santana-Bahia

TÍTULO: **VIGAS NÍVEL 000 (BLOCO ADMINISTRATIVO)**

DATA: MAI/2020 ESCALA: INDICADA



Relação do aço

ÁÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	2	289	578
	2	5.0	2	260	520
	3	5.0	231	128	29568
	4	5.0	4	245	980
	5	5.0	4	267	1068
	6	5.0	57	114	6498
	7	5.0	27	74	1998
CA50	8	8.0	3	527	1581
	9	8.0	2	225	450
	10	8.0	2	230	460
	11	8.0	2	860	1720
	12	8.0	4	623	2492
	13	8.0	4	677	2708
	14	8.0	4	467	1868
	15	8.0	2	521	1042
	16	8.0	2	499	998
	17	10.0	2	1047	2094
	18	10.0	2	134	268
	19	10.0	6	133	798
	20	10.0	2	1057	2114
	21	10.0	2	537	1074
	22	10.0	2	235	470
	23	10.0	2	920	1840
	24	10.0	2	1044	2088
	25	10.0	2	524	1048
	26	10.0	4	156	624
	27	10.0	2	830	1660

Resumo do aço

ÁÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	133.2	52.6
CA60	10.0	140.8	86.9
CA60	5.0	412.1	63.5
PESO TOTAL (kg)			
CA50		139.5	
CA60		63.5	

Volume de concreto (C-25) = 6.03 m³  
Área de forma = 79.64 m²

**1** VIGAS NÍVEL 298.5  
ESCALA: INDICADA



PREFEITURA MUNICIPAL DE  
**FEIRA DE SANTANA**

Secretaria Municipal de Planejamento  
DEPARTAMENTO URBANO

PROJETO **ESCOLA 6 SALAS DE AULA**  
**PROJETO ESTRUTURAL**

ENDEREÇO: Povoado Água Grande, Distrito de Maria Quitéria, Feira de Santana-Bahia

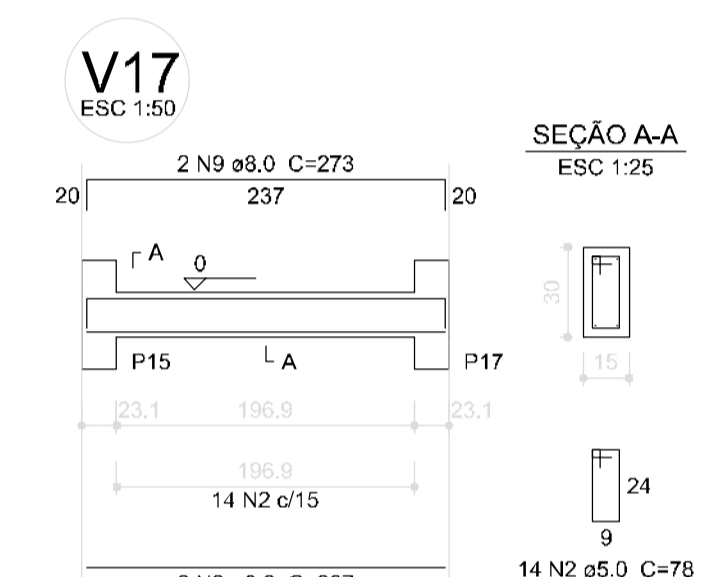
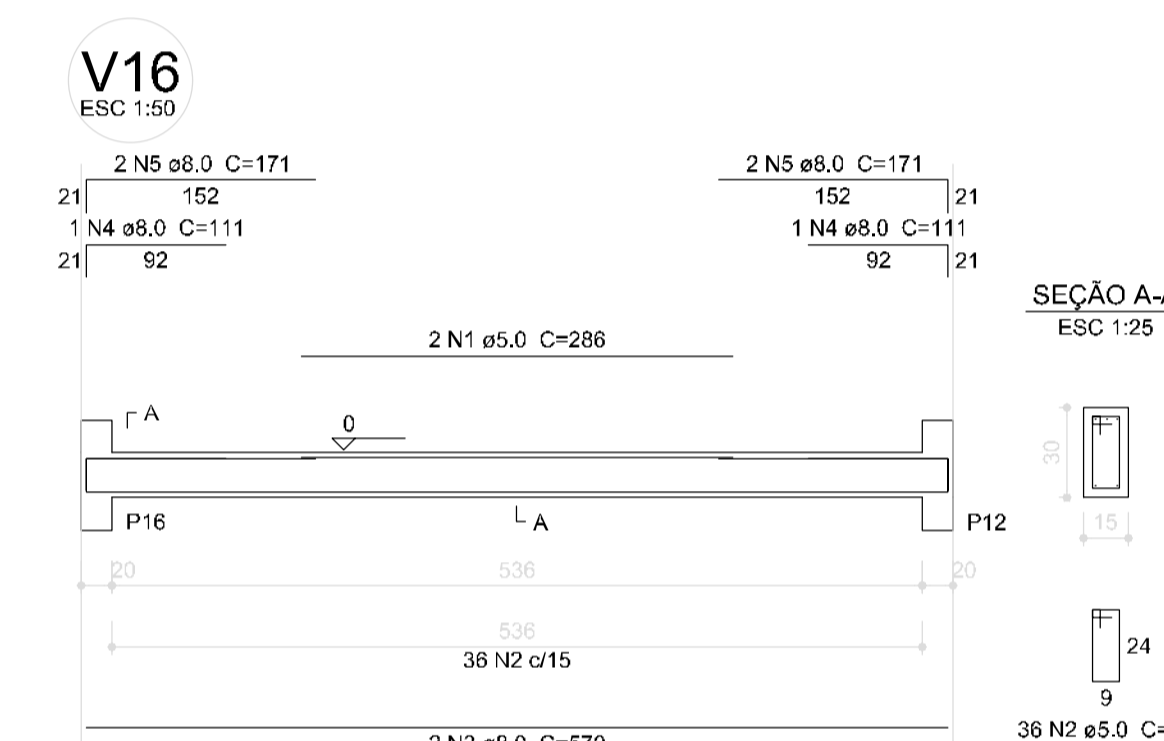
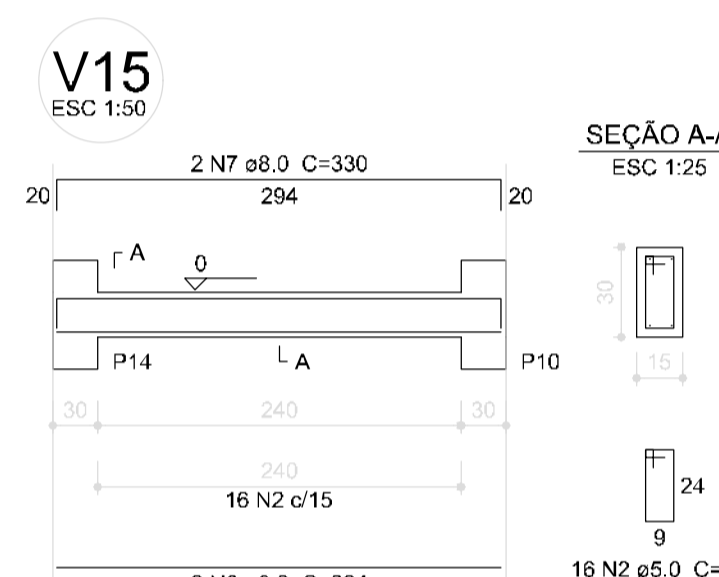
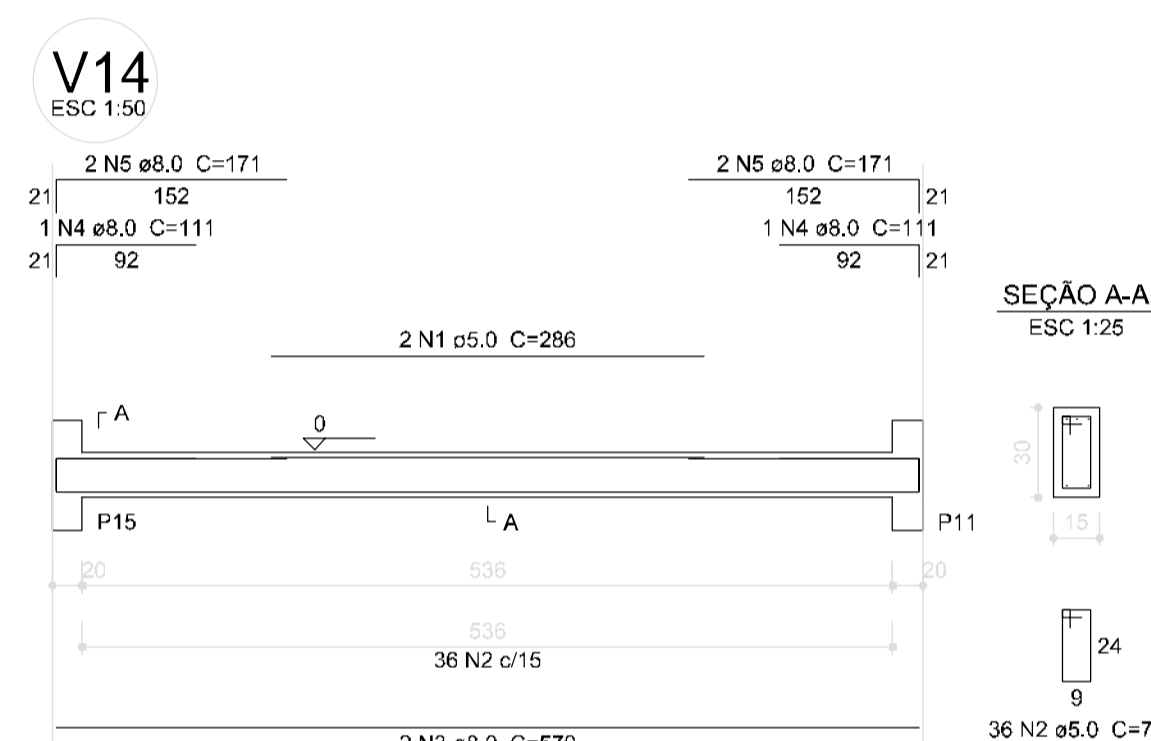
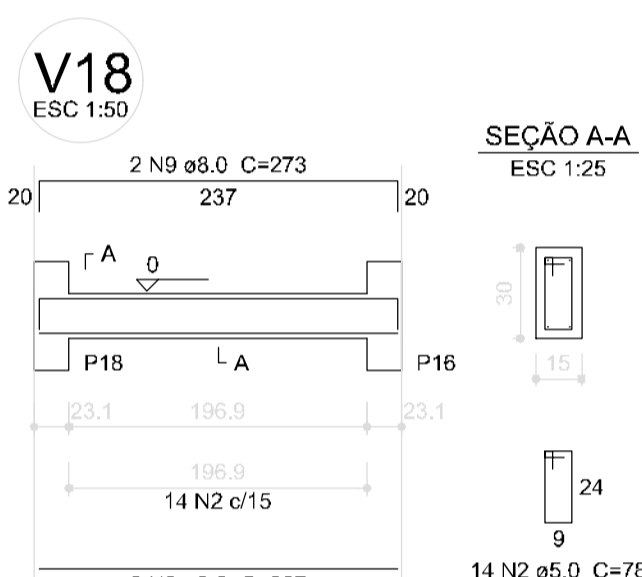
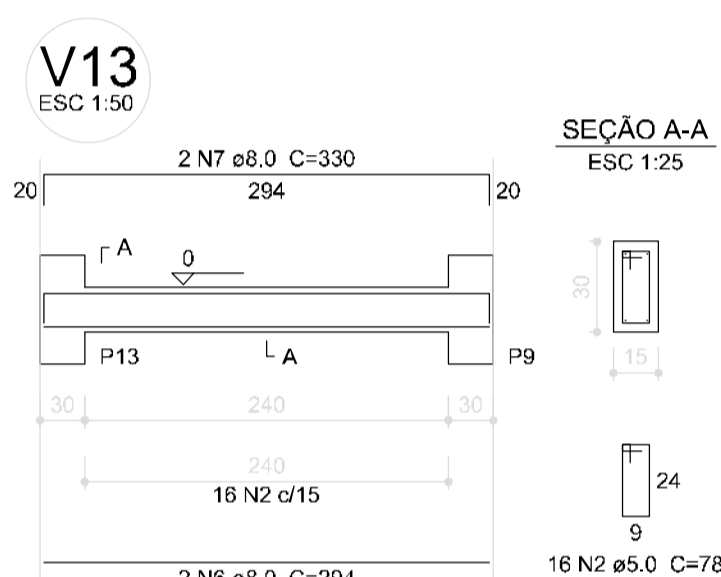
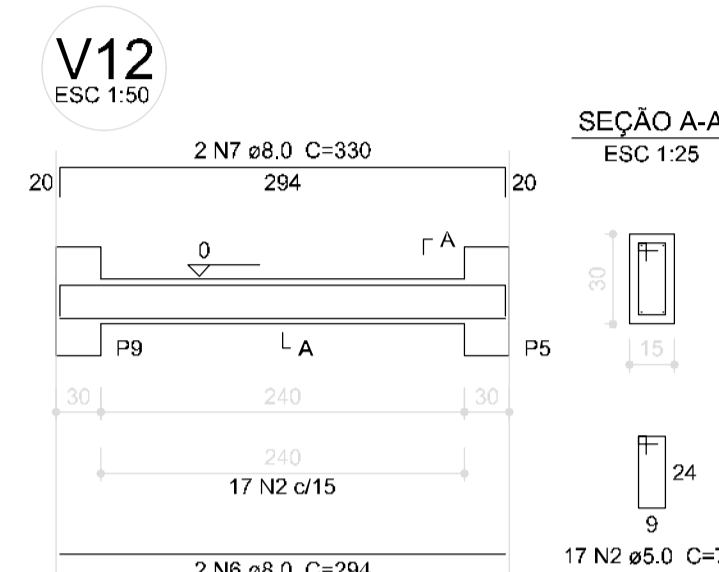
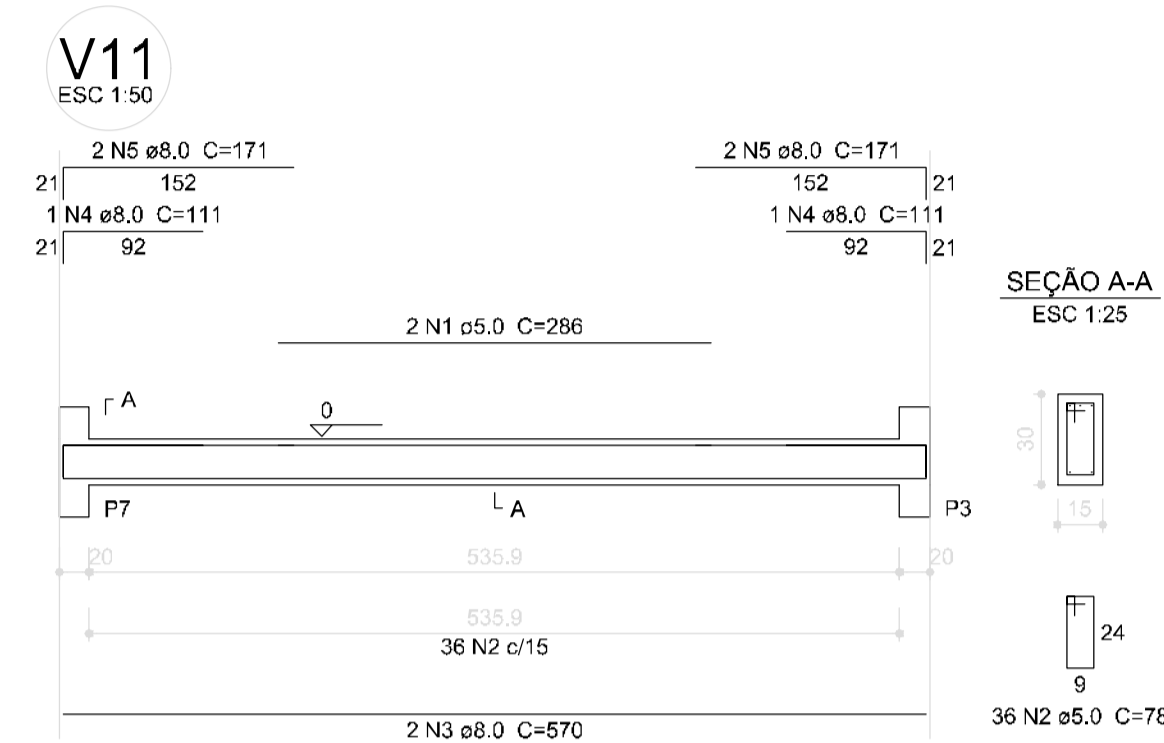
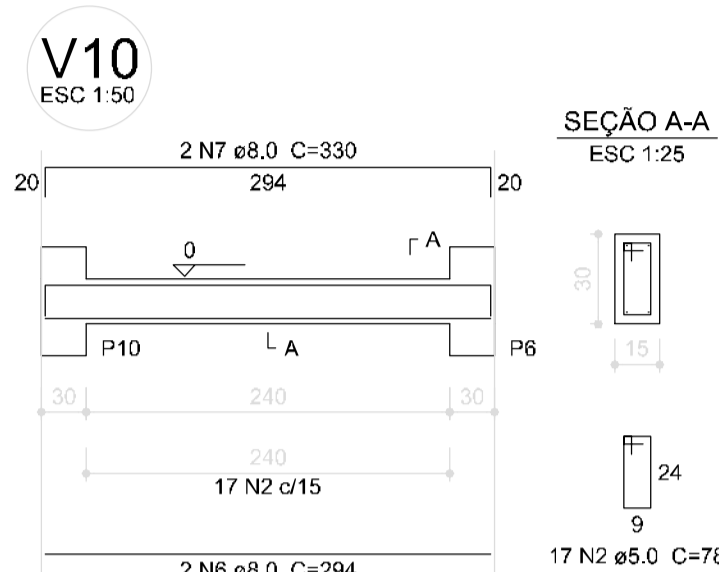
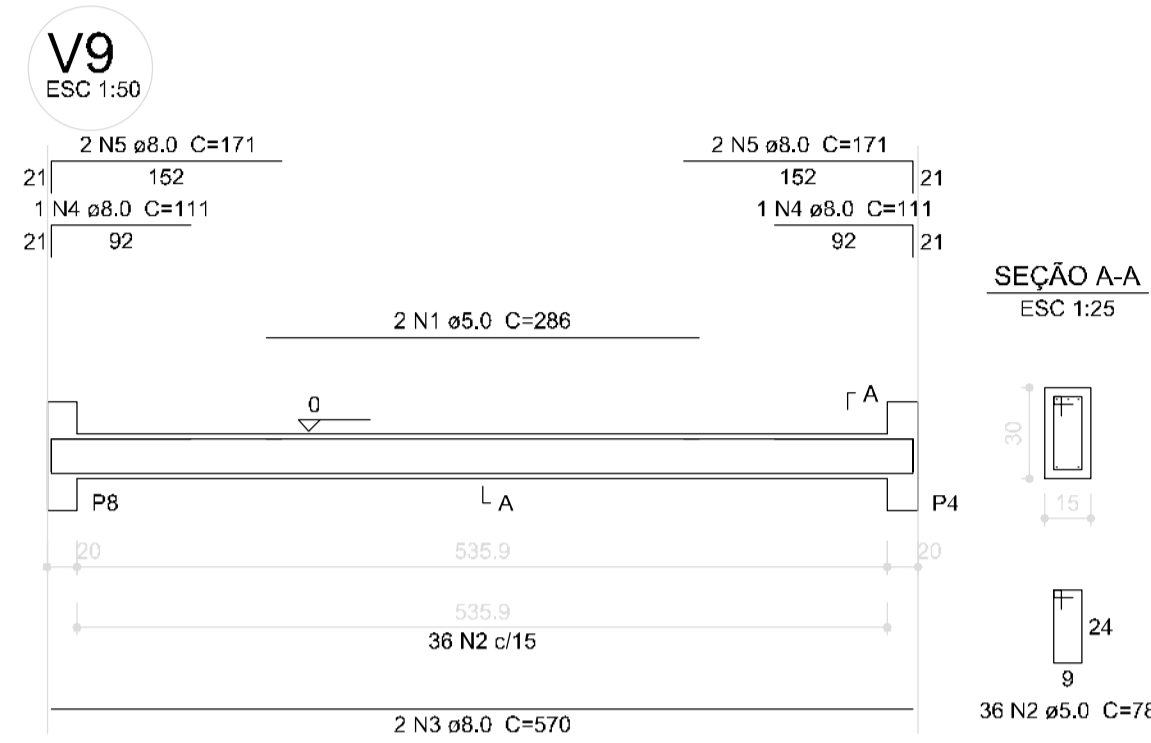
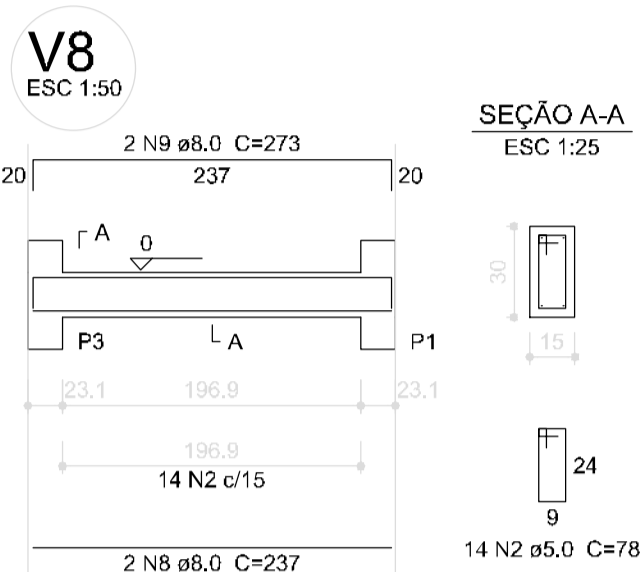
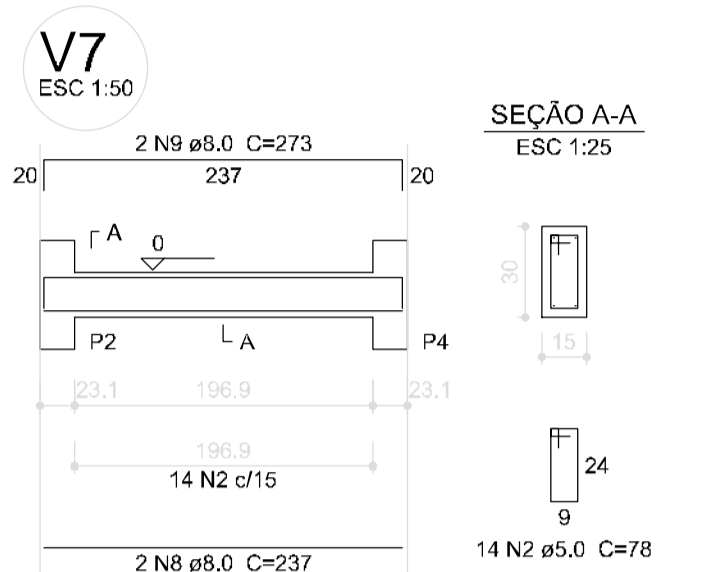
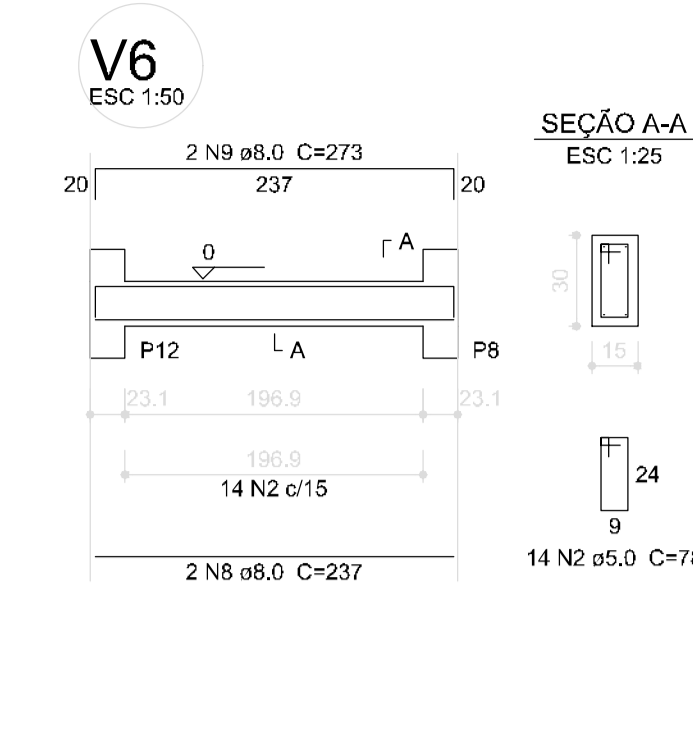
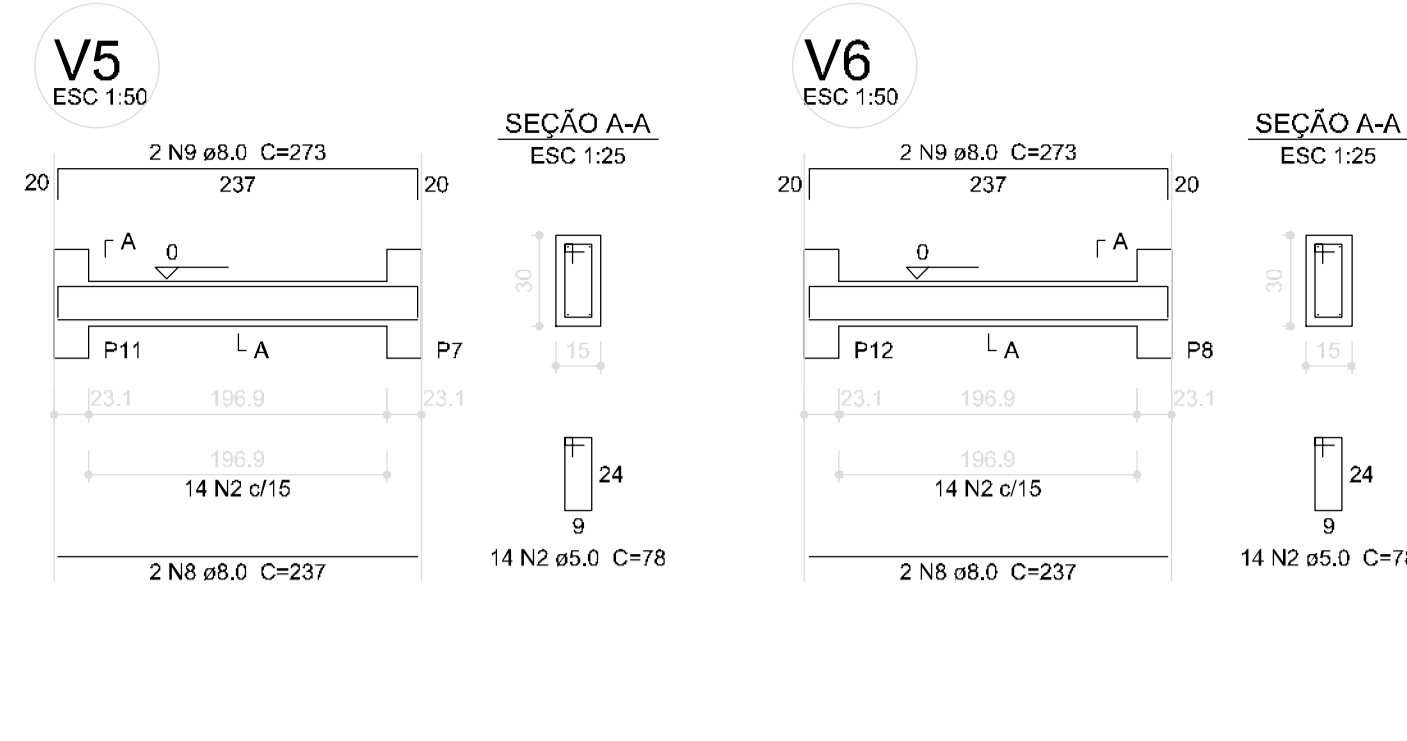
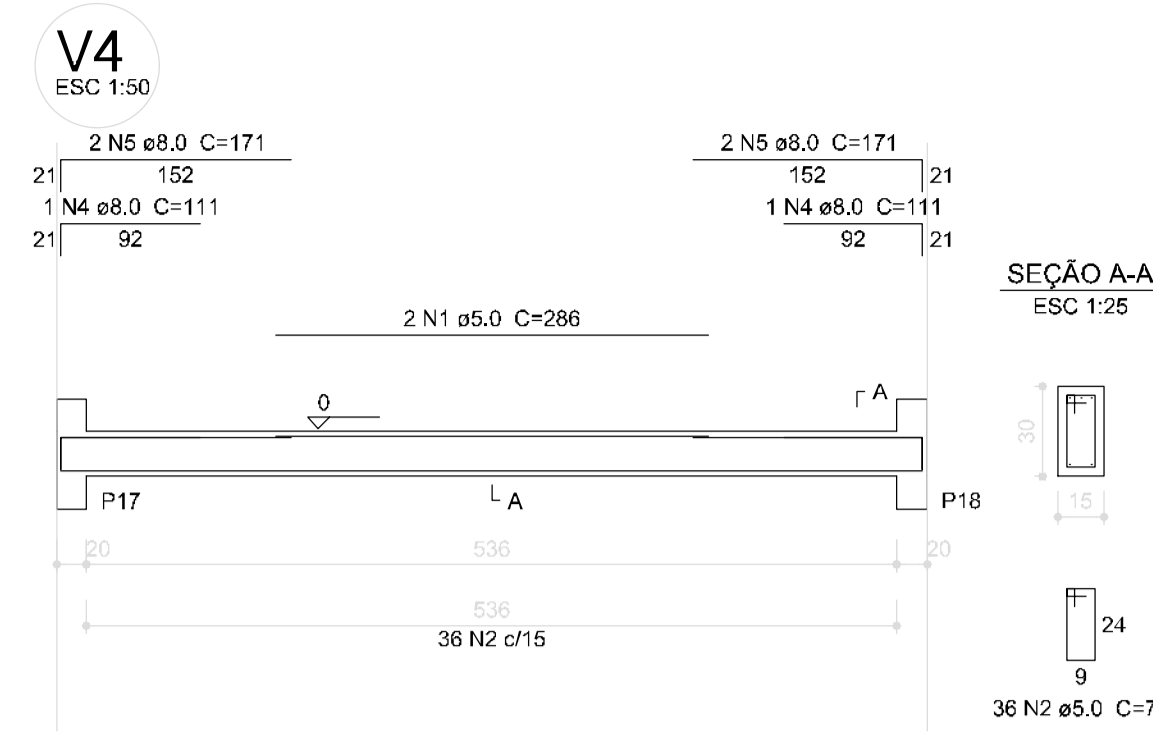
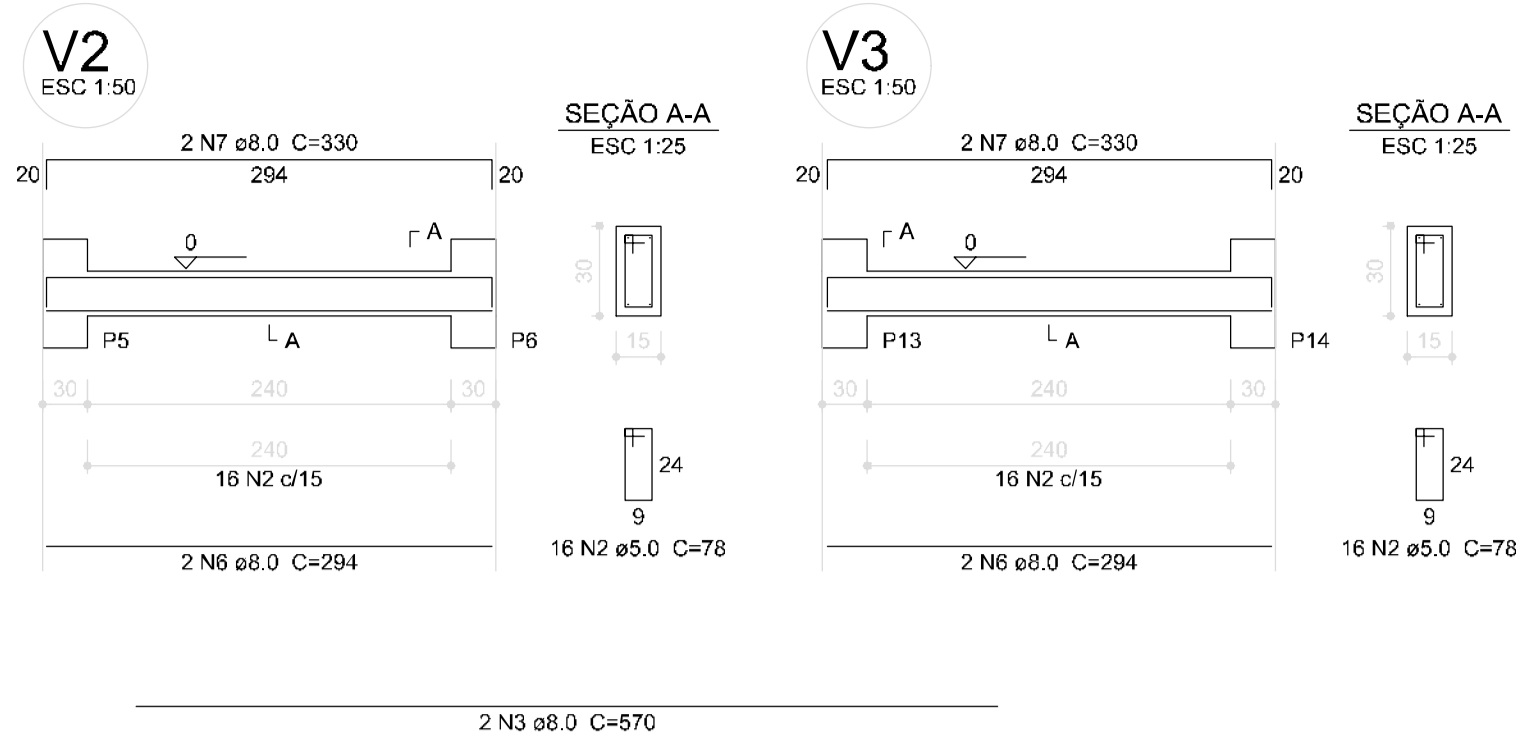
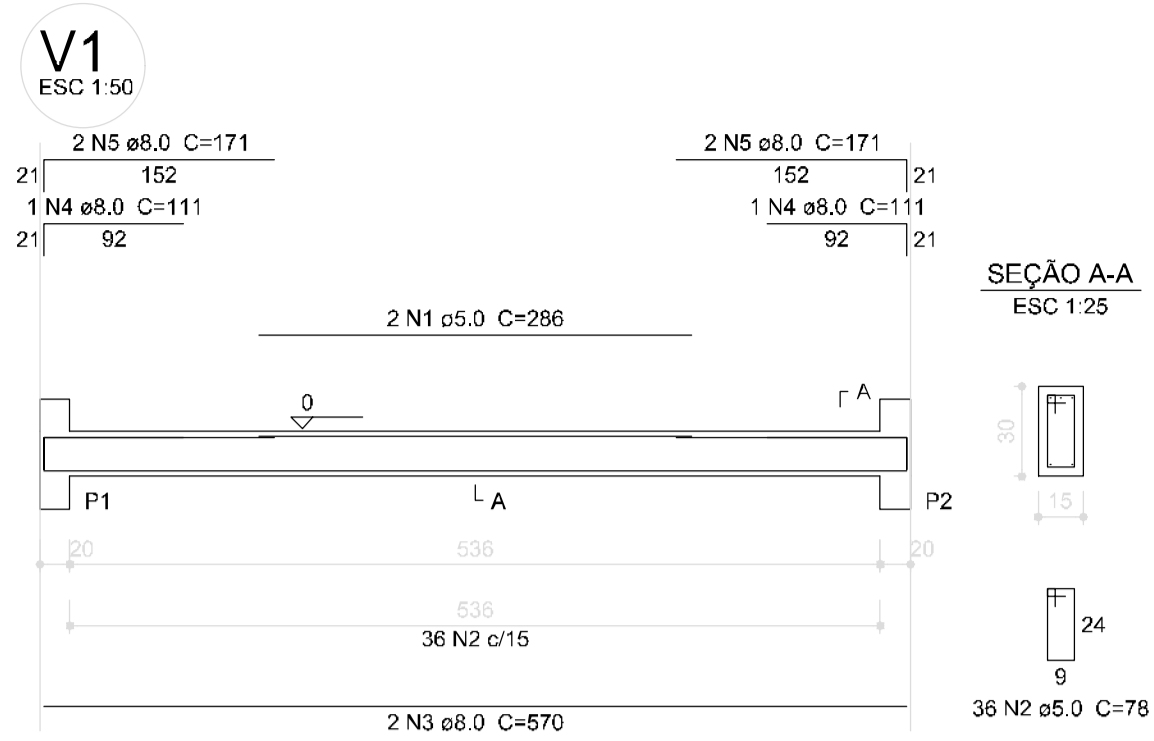
TÍTULO: VIGAS NÍVEL 298.5  
(BLOCO ADMINISTRATIVO)

DATA: MAI/2020

REVISÃO: INDICADA

FOLHA: 00

11/22



**Relação do aço**

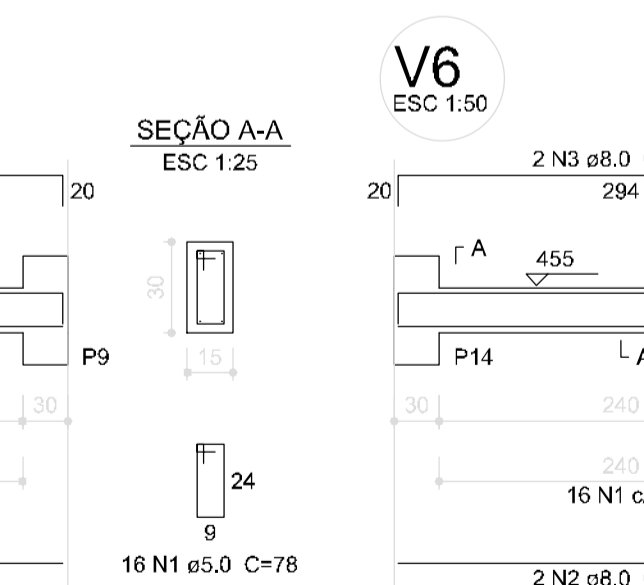
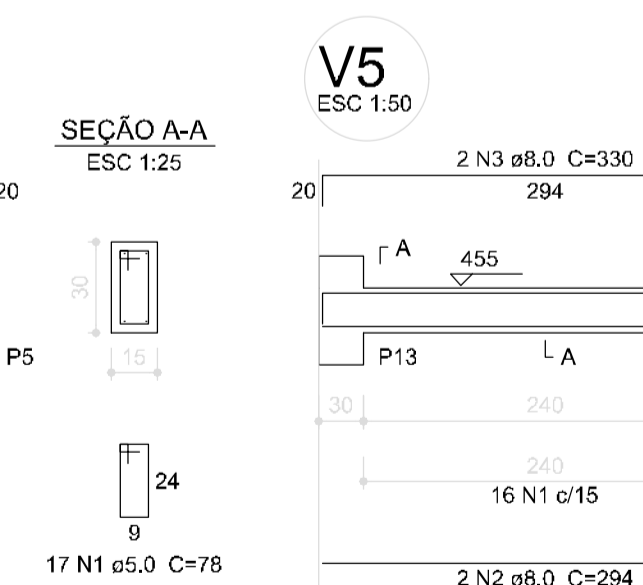
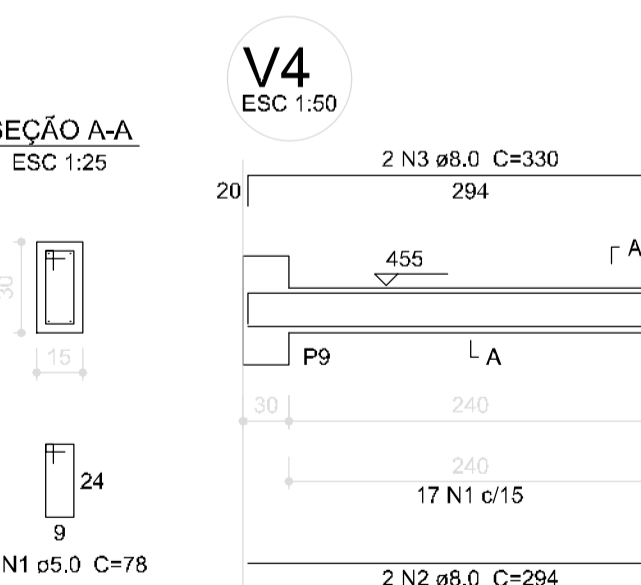
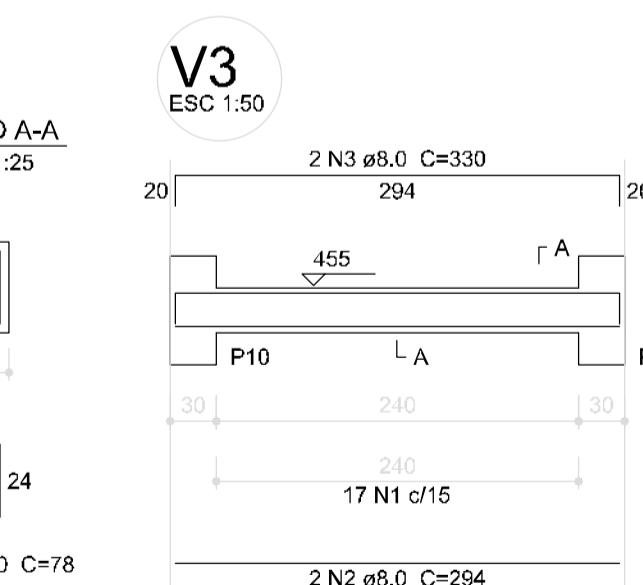
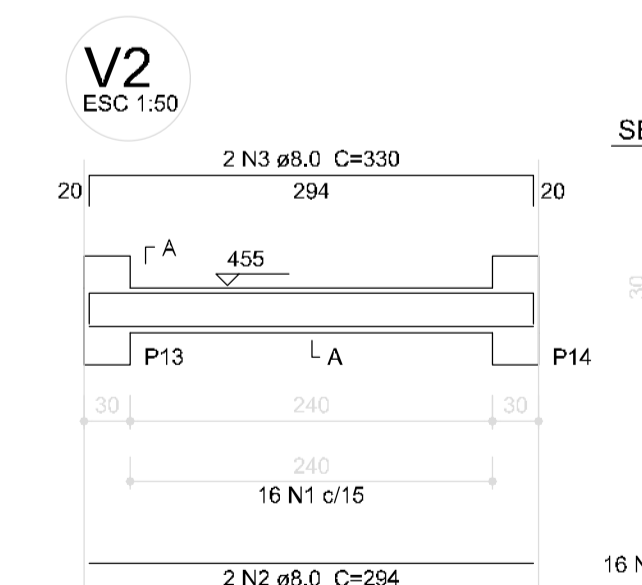
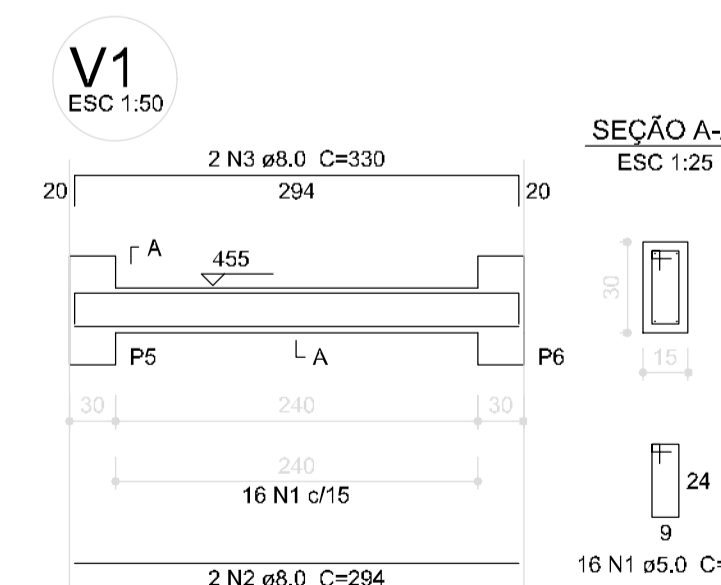
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA80	1	5.0	12	296	3432
CA80	2	5.0	398	78	31044
CA50	3	8.0	12	570	6840
CA50	4	8.0	12	111	1332
CA50	5	8.0	24	171	4104
CA50	6	8.0	12	294	3528
CA50	7	8.0	12	330	3960
CA50	8	8.0	12	237	2844
CA50	9	8.0	12	273	3276

**Resumo do aço**

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	258.9	102.3
CA60	5.0	344.8	53.1
<b>PESO TOTAL (kg)</b>			
CA50			102.3
CA60			53.1

Volume de concreto (C-25) = 3.02 m<sup>3</sup>  
Área de forma = 50.36 m<sup>2</sup>

**1 VIGAS NÍVEL 000**  
ESCALA: INDICADA



**Relação do aço**

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	98	78	7644
CA50	2	8.0	12	294	3528
CA50	3	8.0	12	330	3960

**Resumo do aço**

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	74.9	29.6
CA60	5.0	76.5	11.8
<b>PESO TOTAL (kg)</b>			
CA50			29.6
CA60			11.8

Volume de concreto (C-25) = 0.81 m<sup>3</sup>  
Área de forma = 13.5 m<sup>2</sup>

**1 VIGAS NÍVEL 455**  
ESCALA: INDICADA



**PREFEITURA MUNICIPAL DE FEIRA DE SANTANA**

Secretaria Municipal de Planejamento  
DEPARTAMENTO URBANO

**PROJETO ESTRUTURAL**  
ESCOLA 6 SALAS DE AULA

ENDEREÇO: Povoado Água Grande, Distrito de Maria Quitéria, Feira de Santana-Bahia

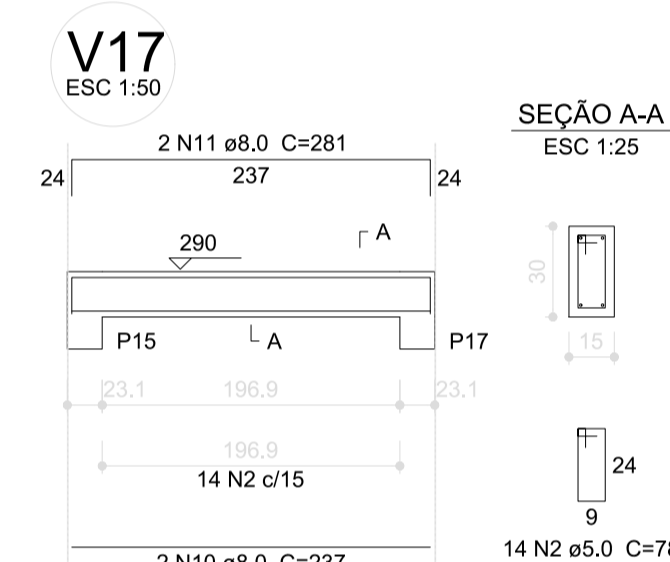
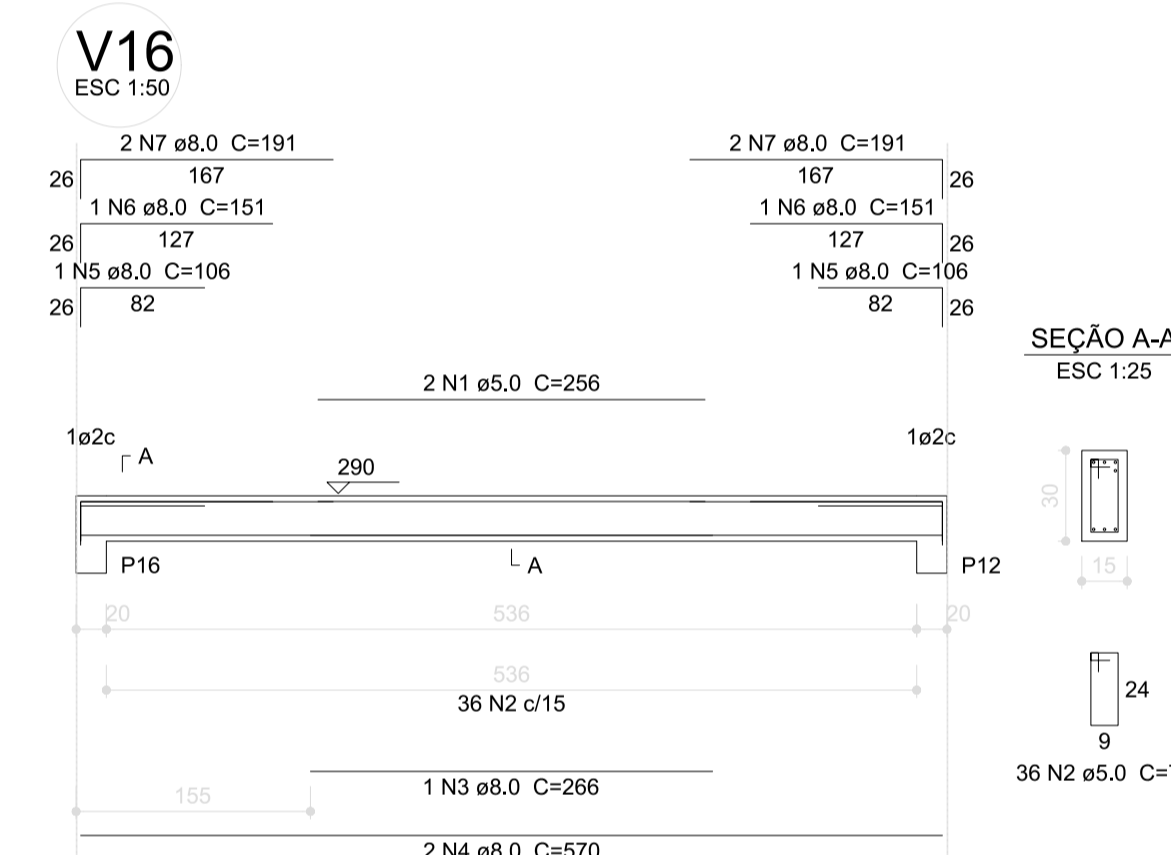
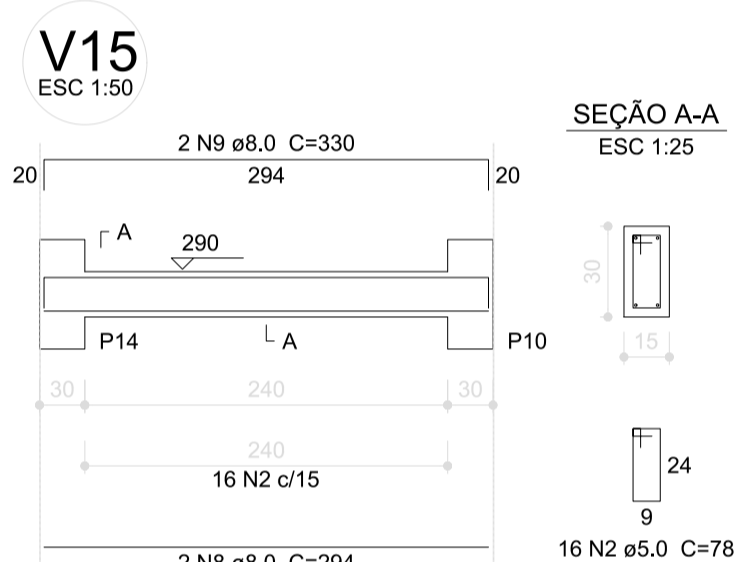
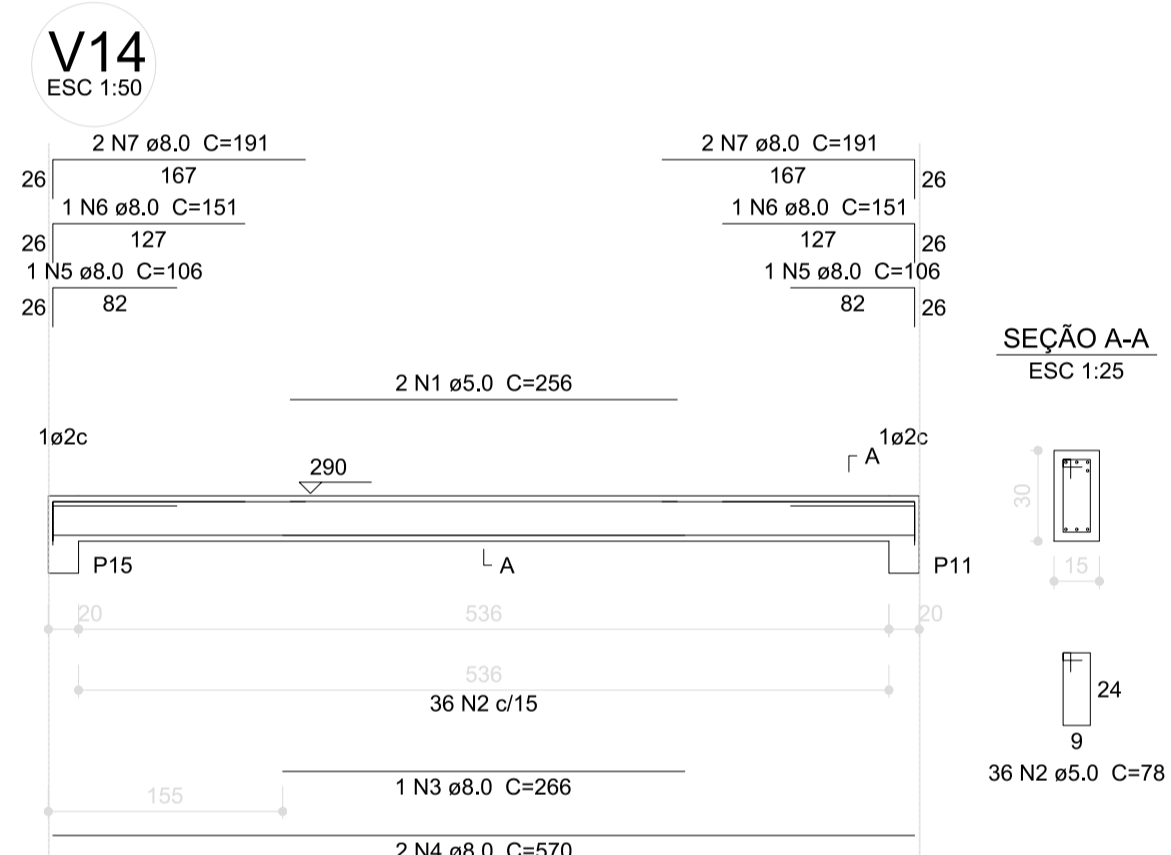
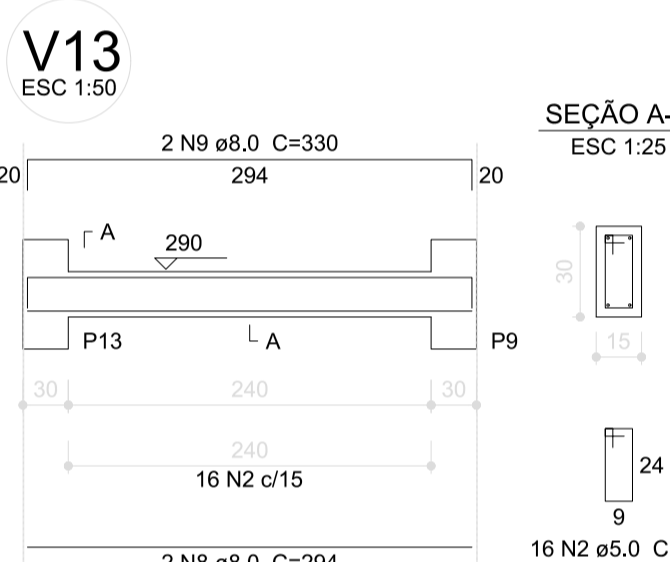
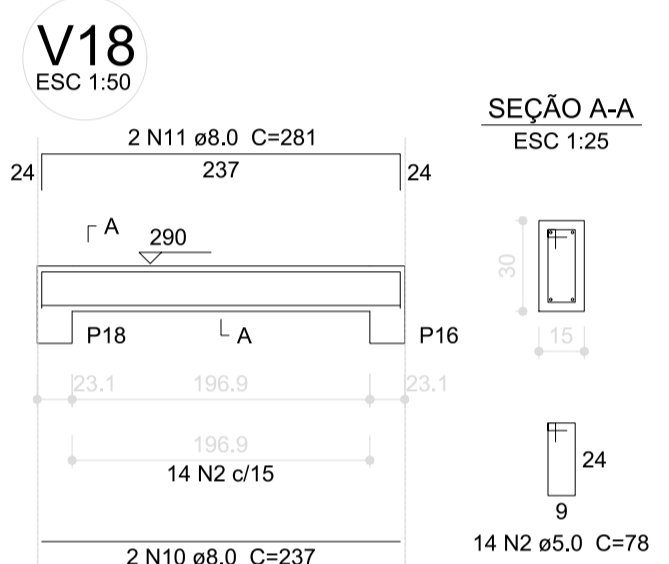
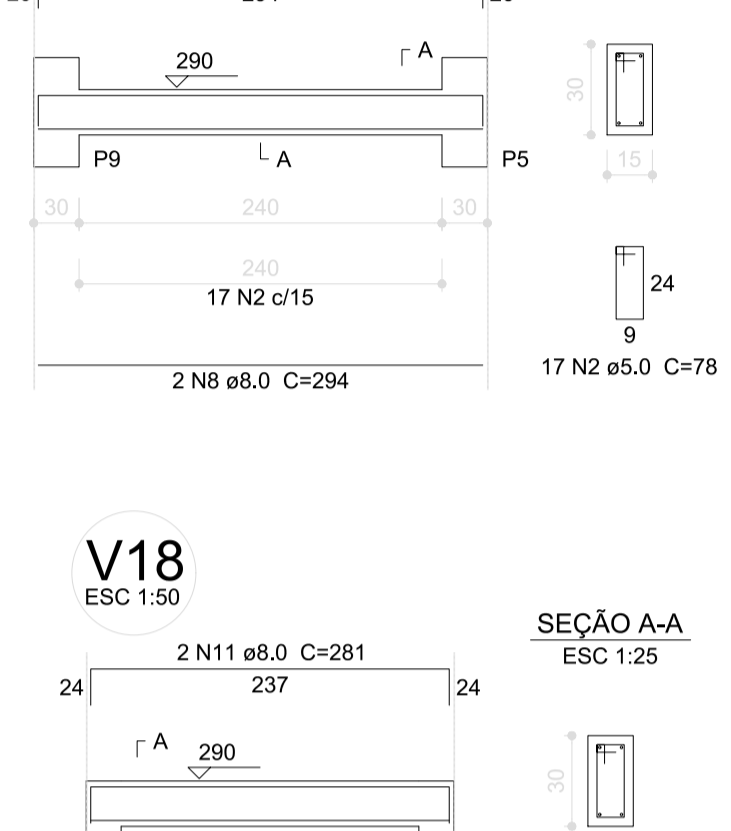
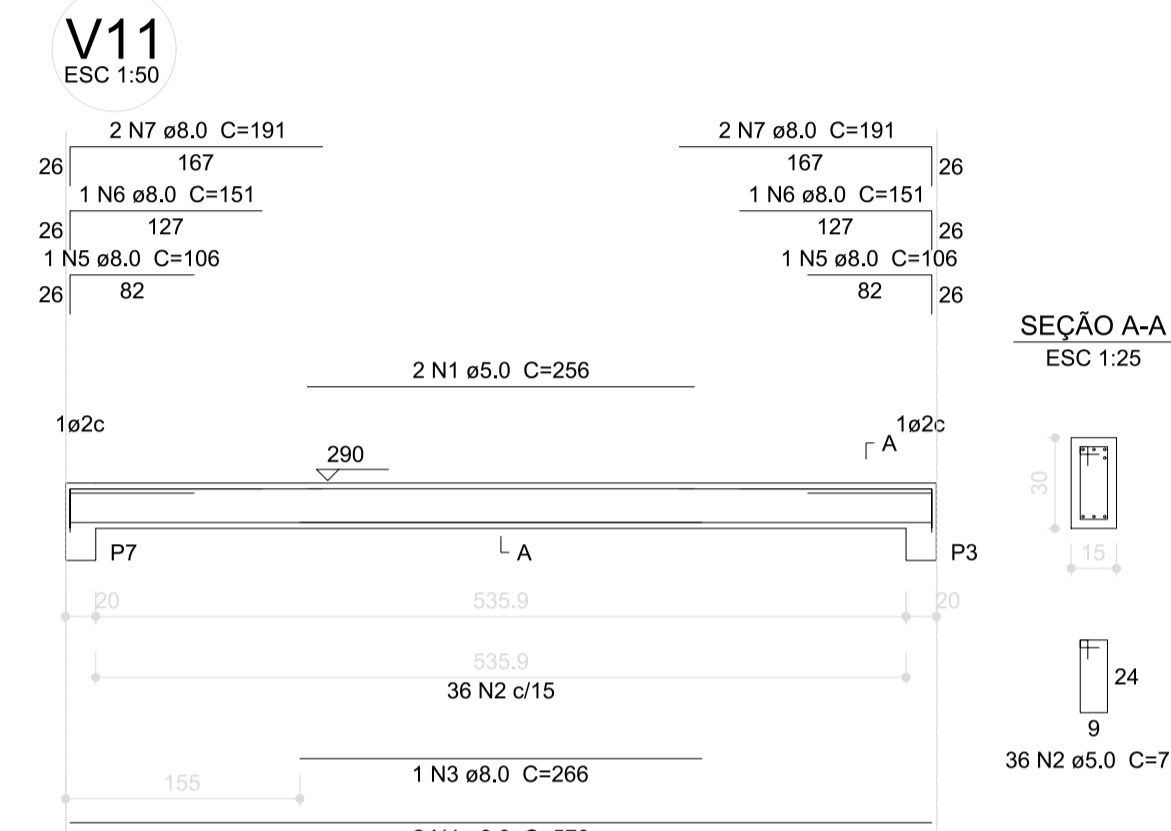
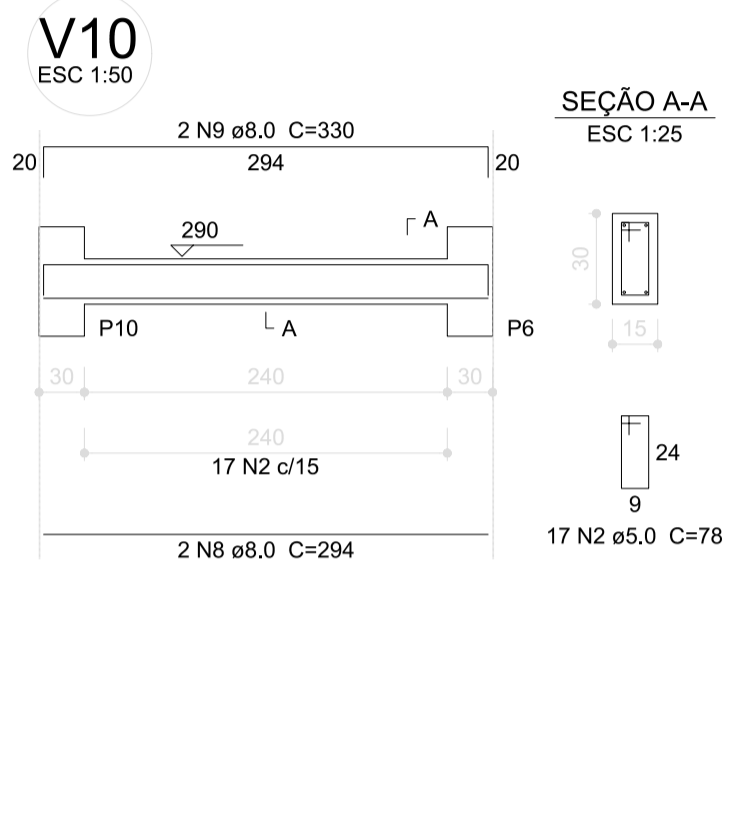
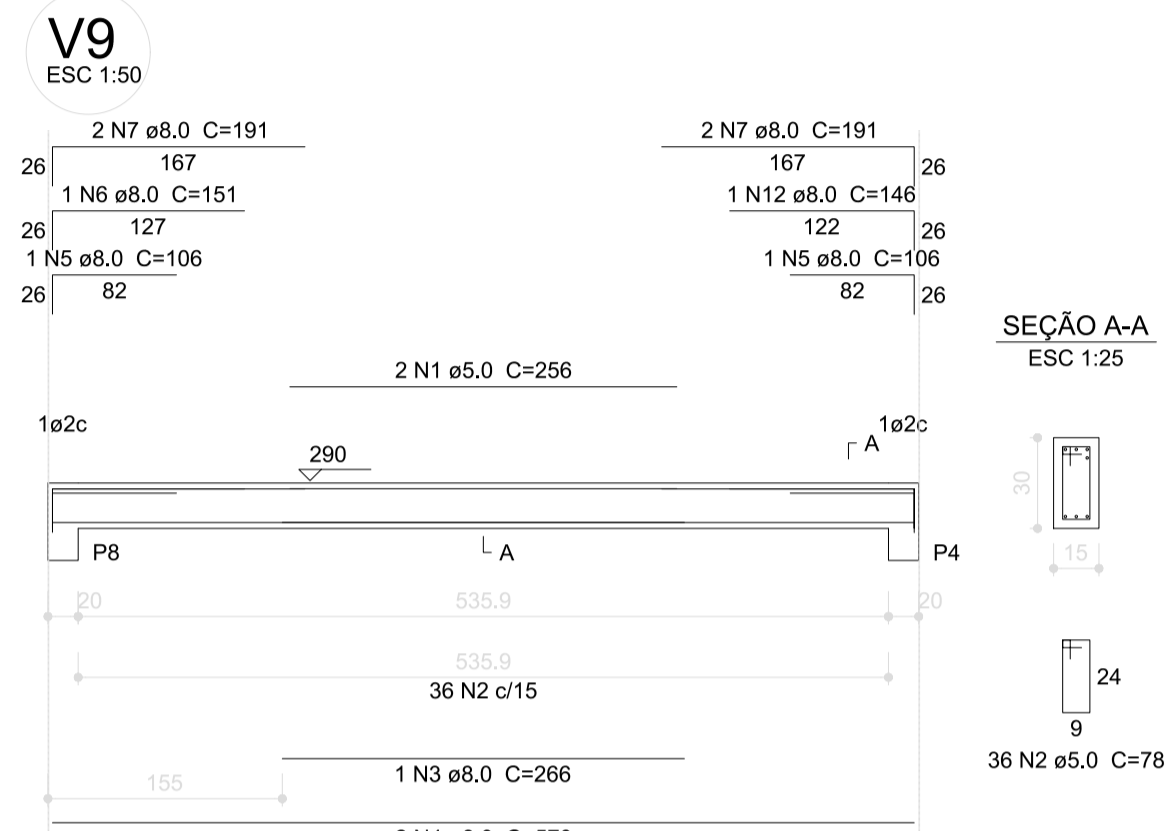
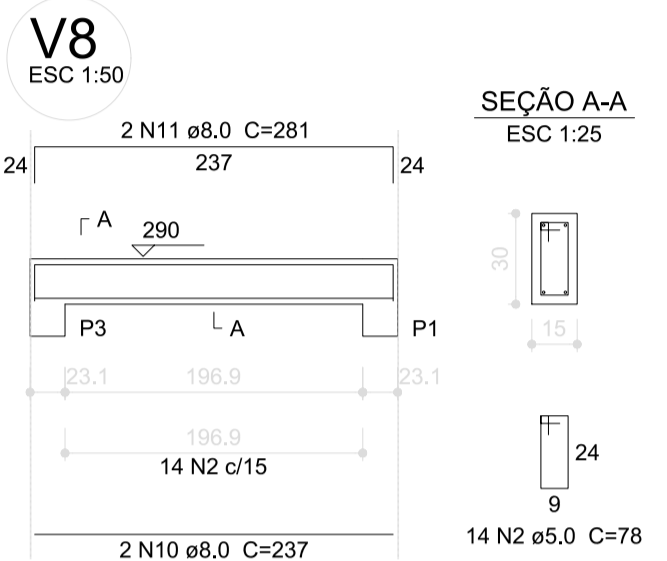
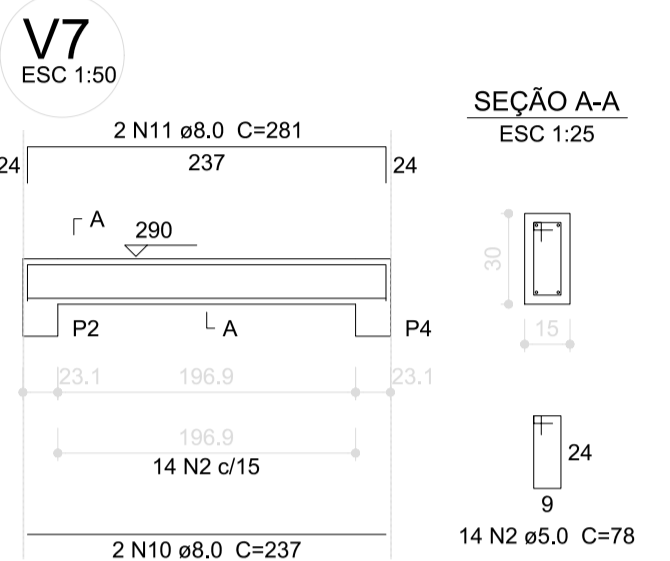
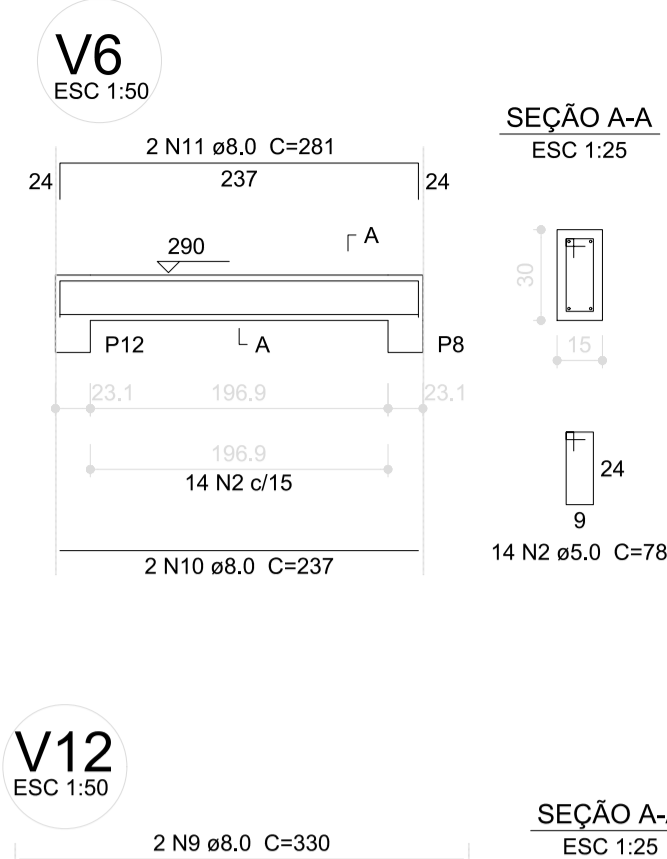
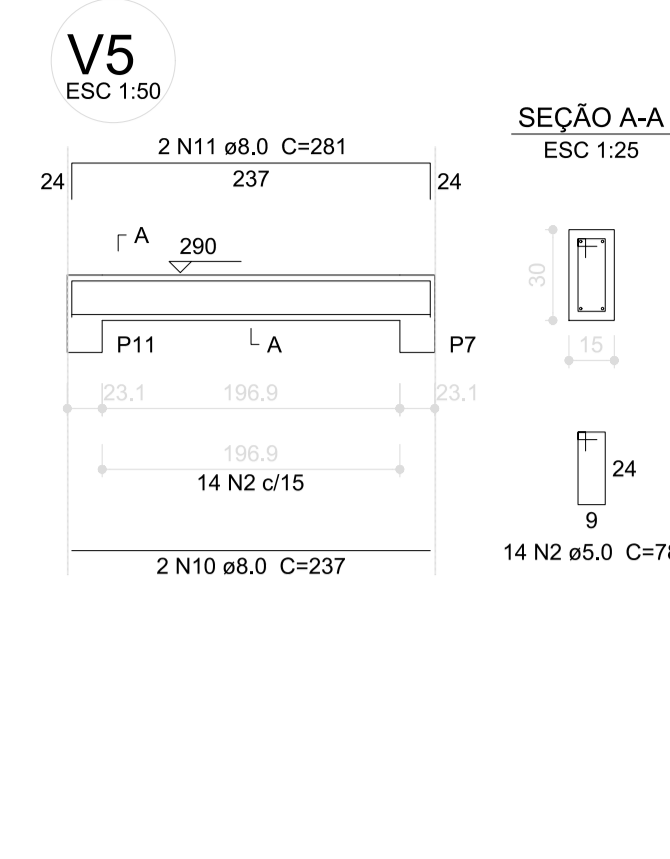
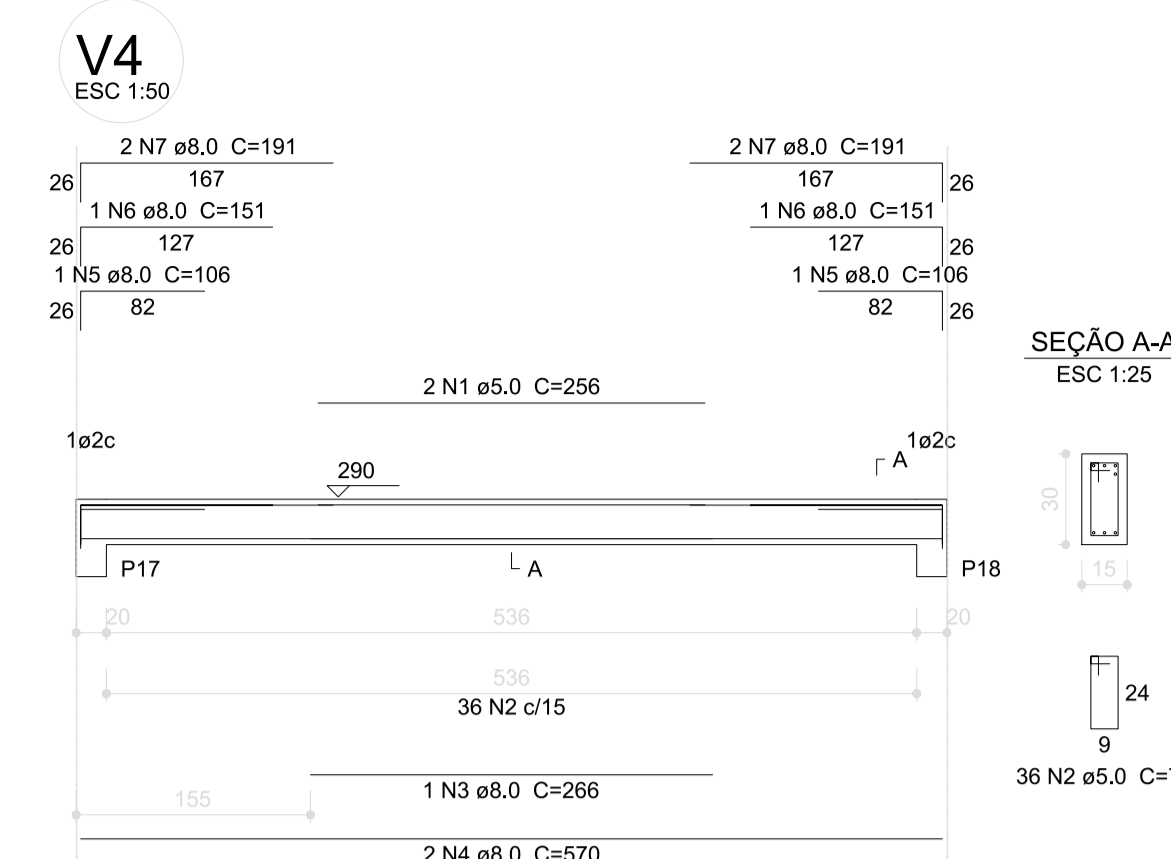
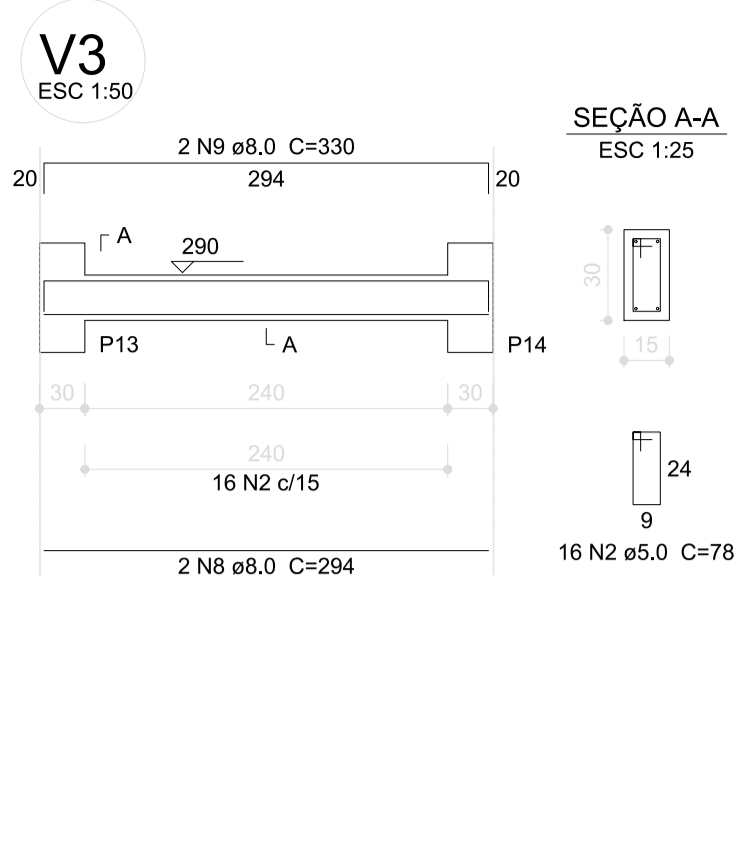
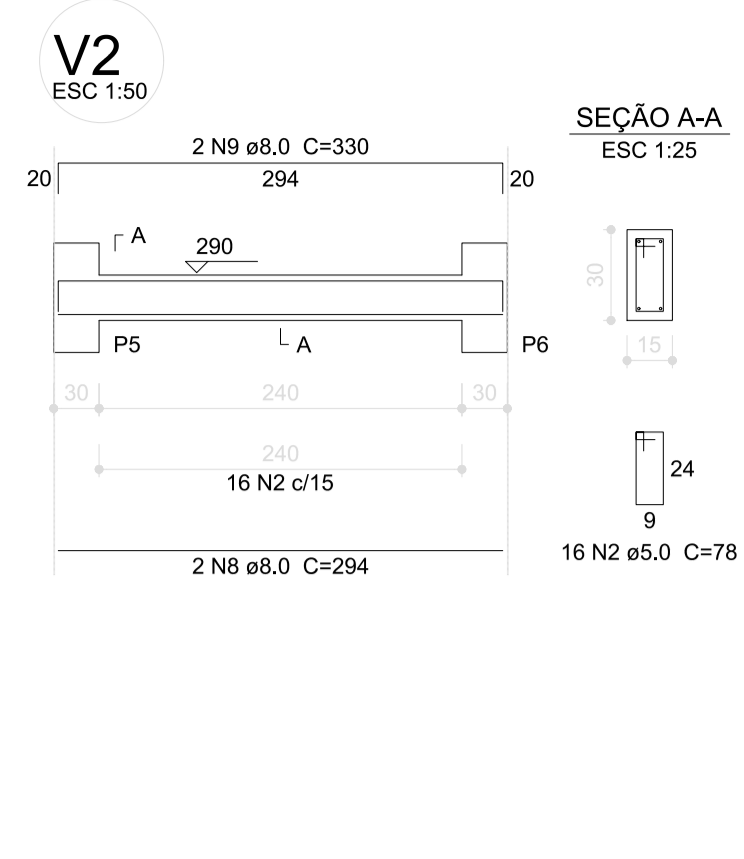
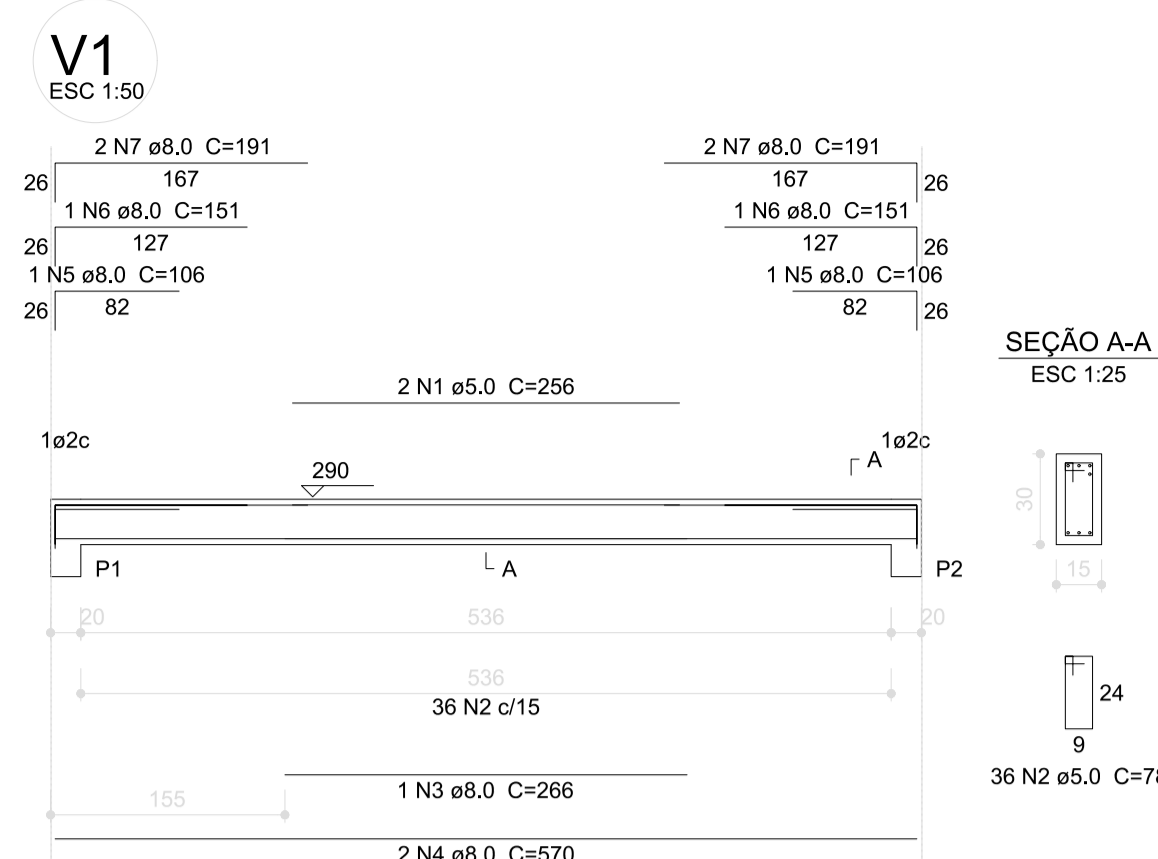
VIGAS NÍVEL 000 E 455  
(PÁTIO COBERTO)

DATA: 04/05/2020  
PROJETO: 6-SCV-DET-PAC0-20\_21\_R02

20/22

ESCALA: INDICADA





**Relação do aço**

V1; V2; V3; V4; V5; V6; V7; V8; V9; V10; V11; V12; V13; V14; V15; V16; V17; V18

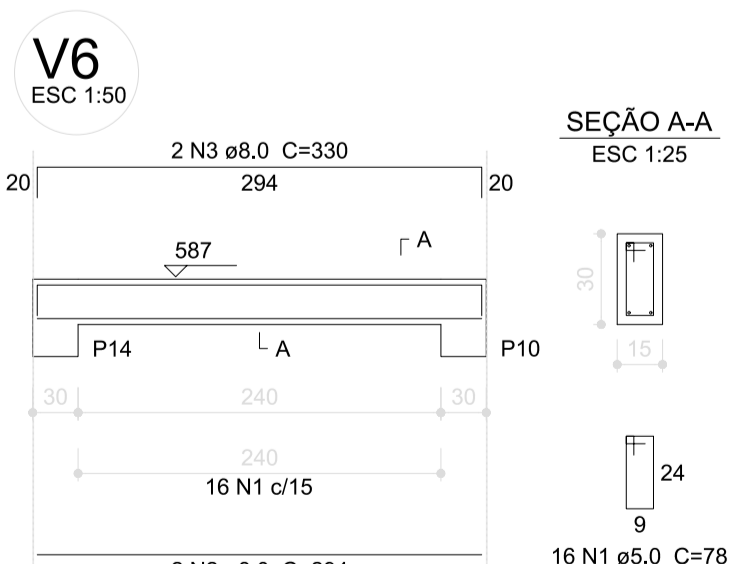
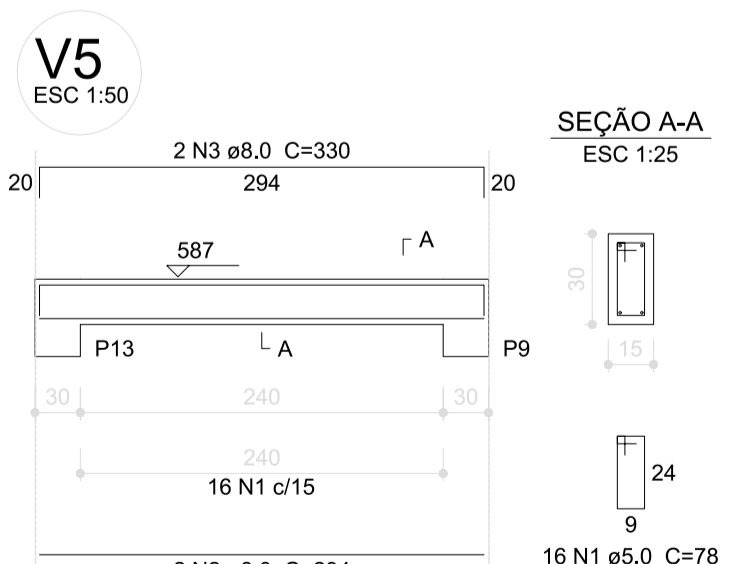
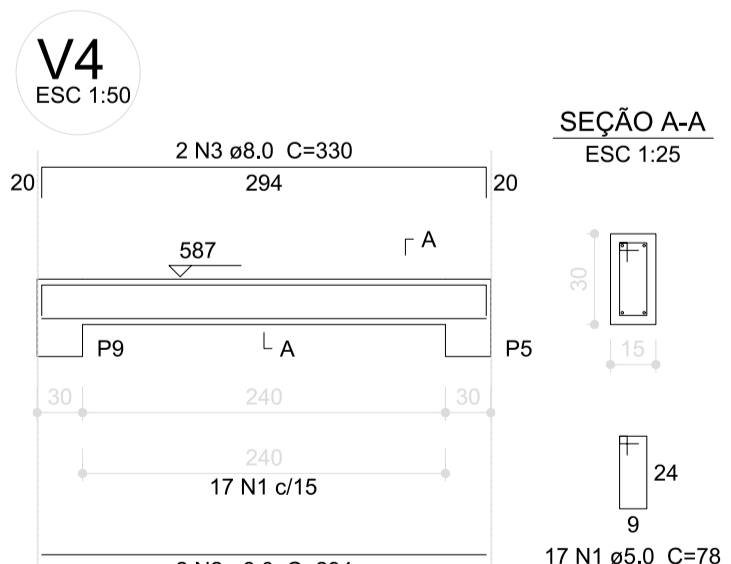
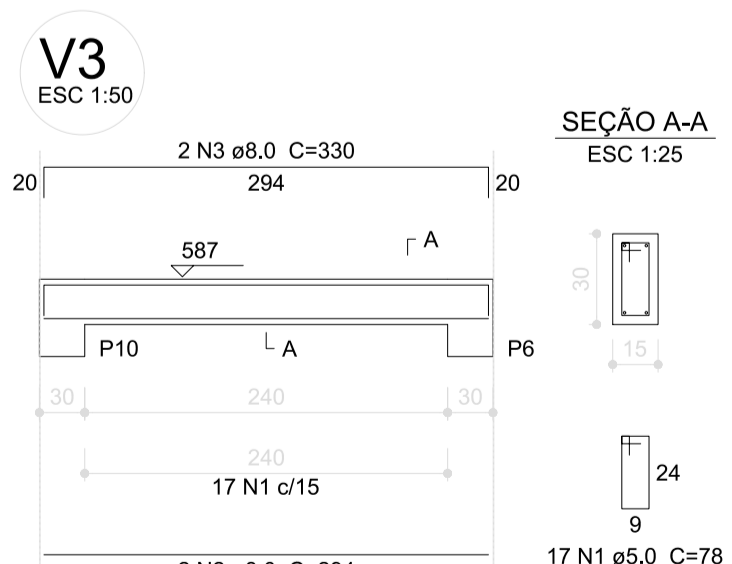
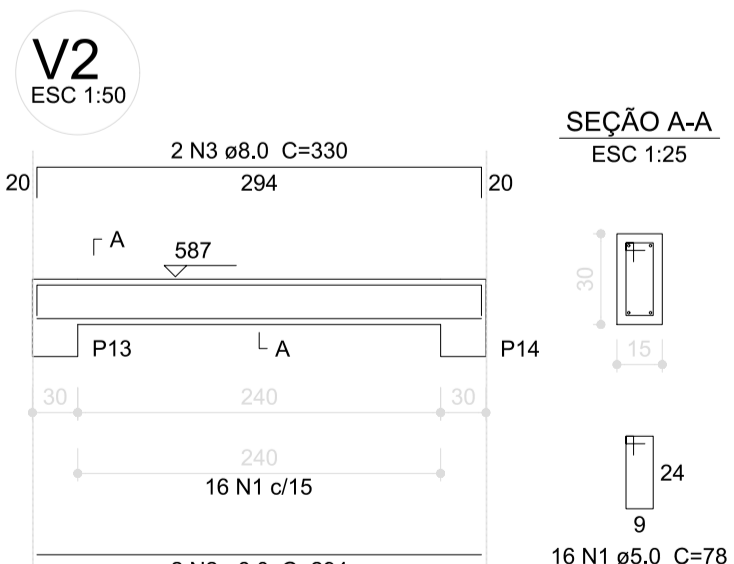
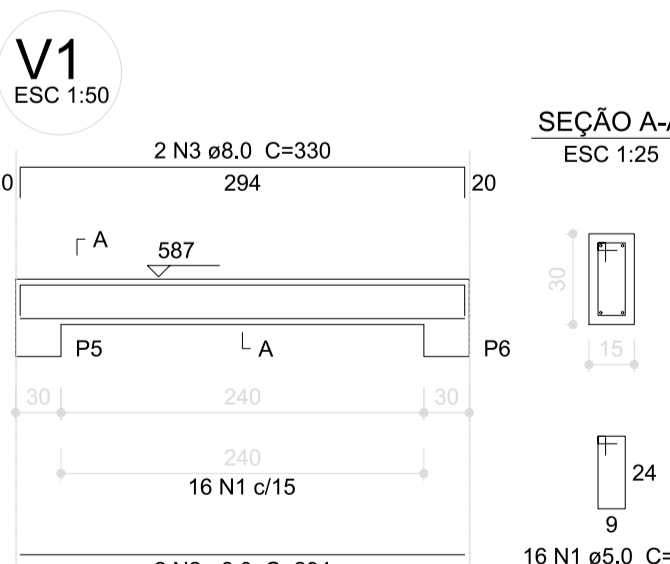
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA80	1	5.0	12	256	3072
CA80	2	5.0	398	78	31044
CA50	3	8.0	6	266	1596
CA50	4	8.0	12	570	6840
CA50	5	8.0	12	106	1272
CA50	6	8.0	11	151	1661
CA50	7	8.0	24	191	4584
CA50	8	8.0	12	294	3528
CA50	9	8.0	12	330	3960
CA50	10	8.0	12	237	2844
CA50	11	8.0	12	281	3372
CA50	12	8.0	1	146	146

**Resumo do aço**

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	298.1	117.7
CA60	5.0	341.2	52.5
<b>PESO TOTAL (kg)</b>			
CA50		117.7	
CA60		52.5	

Volume de concreto (C-25) = 3.02 m³  
Área de forma = 50.36 m²

**1 VIGAS NÍVEL 290**  
ESCALA: INDICADA



**Relação do aço**

V1; V2; V3; V4; V5; V6

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	98	78	7644
CA50	2	8.0	12	294	3528
CA50	3	8.0	12	330	3960

**Resumo do aço**

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	74.9	29.6
CA60	5.0	76.5	11.8
<b>PESO TOTAL (kg)</b>			
CA50		29.6	
CA60		11.8	

Volume de concreto (C-25) = 0.81 m³  
Área de forma = 13.5 m²

**2 VIGAS NÍVEL 587**  
ESCALA: INDICADA



**PREFEITURA MUNICIPAL DE FEIRA DE SANTANA**

Secretaria Municipal de Planejamento  
DEPARTAMENTO URBANO

**PROJETO ESCOLA 6 SALAS DE AULA PROJETO ESTRUTURAL**

ENDEREÇO: Povoado Água Grande, Distrito de Maria Quitéria, Feira de Santana-Bahia

PROJETO: VIGAS NÍVEL 290 E 587

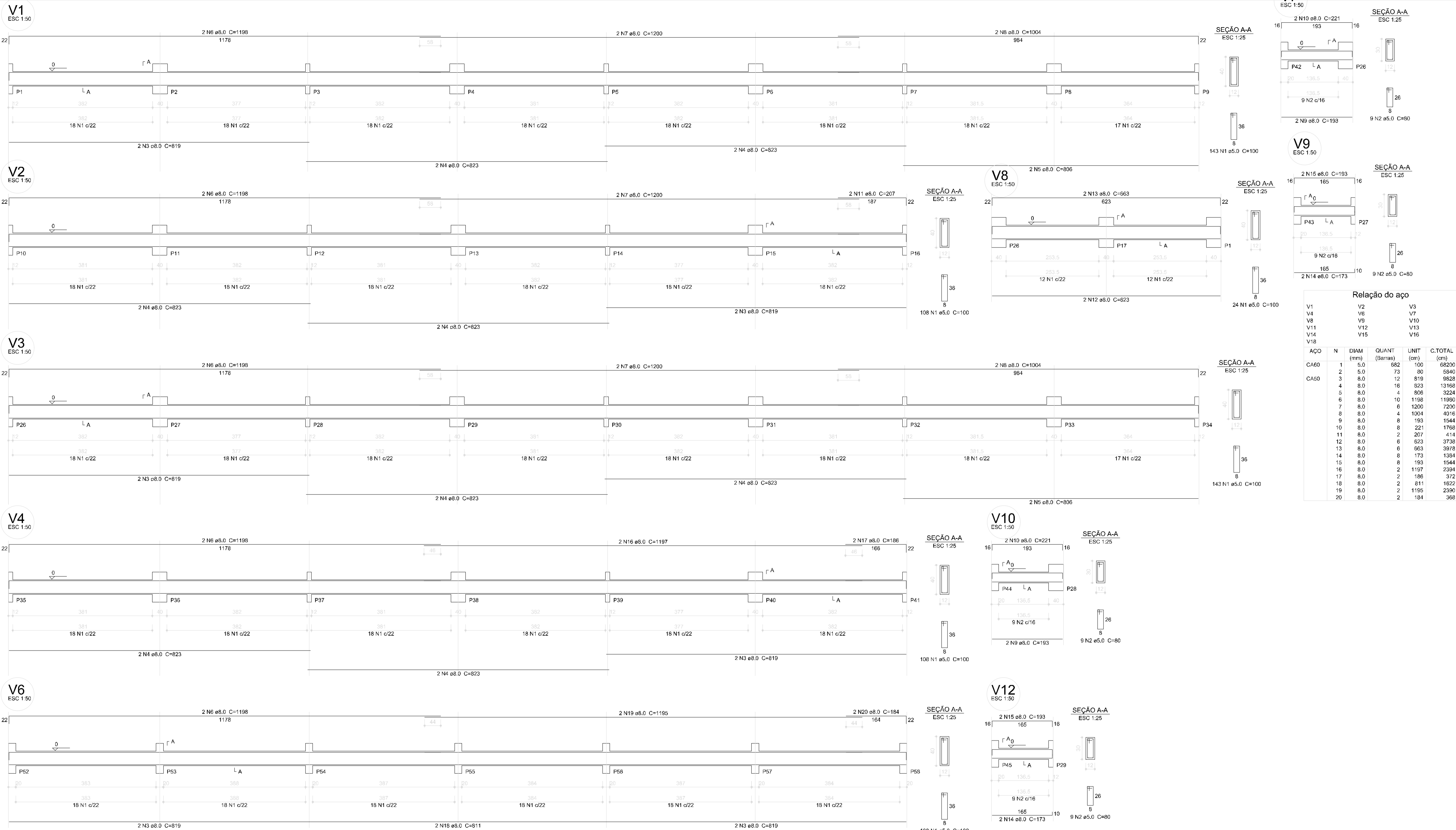
(PÁTIO COBERTO)

DATA: MAI/2020

REVISÃO: 6-SCV-DEF-PACO-20\_21\_R02

ESCALA: INDICADA

FOLHA: 20/22



**Relação do aço**

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
V1					
V2					
V3					
V4					
V6					
V8					
V9					
V10					
V11					
V12					
V13					
V14					
V15					
V16					
V18					
CA60	1	5.0	682	100	68200
CA60	2	5.0	73	80	5840
CA50	3	8.0	12	819	9828
	4	8.0	16	323	13168
	5	8.0	4	806	3224
	6	8.0	10	1198	11980
	7	8.0	6	1200	7200
	8	8.0	4	1004	4016
	9	8.0	8	193	1544
	10	8.0	8	221	1768
	11	8.0	2	207	414
	12	8.0	6	623	3738
	13	8.0	6	663	3978
	14	8.0	8	173	1384
	15	8.0	8	193	1544
	16	8.0	2	1197	2394
	17	8.0	2	186	372
	18	8.0	2	811	1622
	19	8.0	2	1195	2390
	20	8.0	2	184	368

**Resumo do aço**

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	709.4	260.2
CA60	5.0	740.4	114.0
<b>PESO TOTAL (kg)</b>			<b>374.2</b>

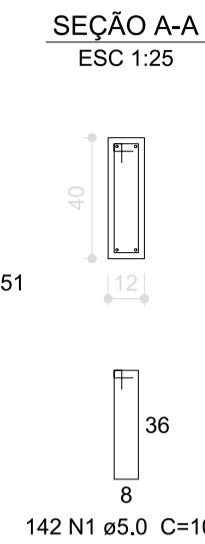
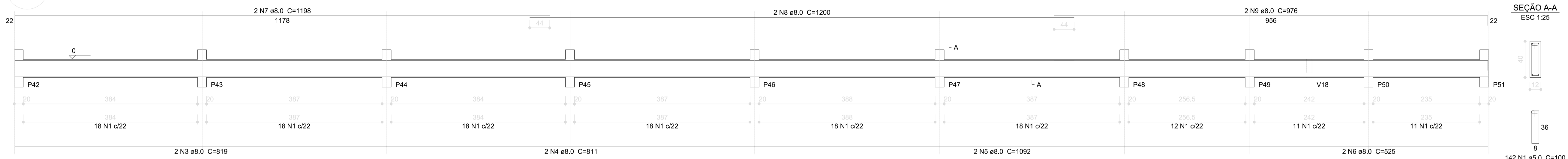
Volume de concreto (C-25) = 8.08 m³  
 Área de forma = 155.33 m²

**1 VIGAS NÍVEL 000**  
 ESCALA: INDICADA

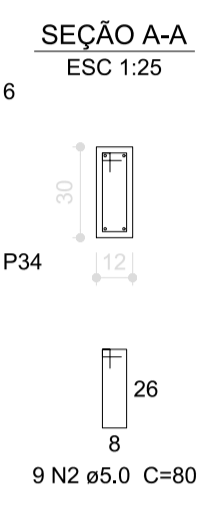
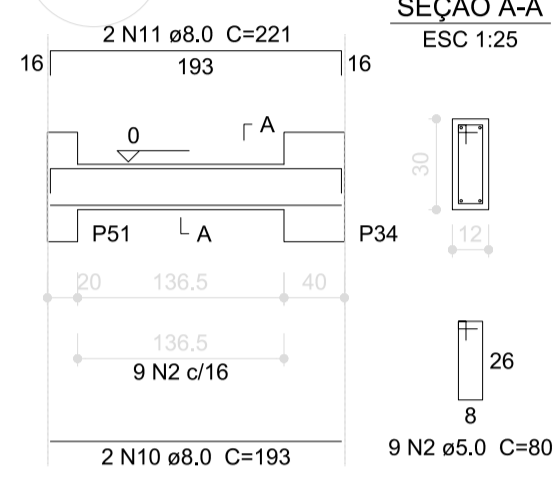


**PREFEITURA MUNICIPAL DE FEIRA DE SANTANA**  
 Secretaria Municipal de Planejamento  
 DEPARTAMENTO URBANO

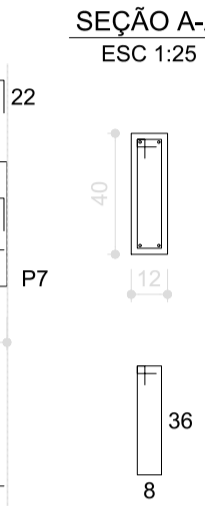
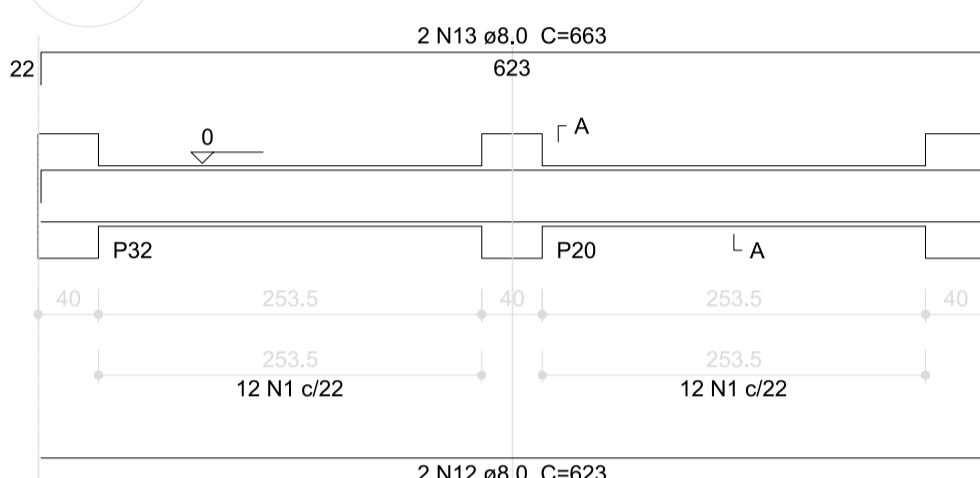
V5  
ESC 1:50



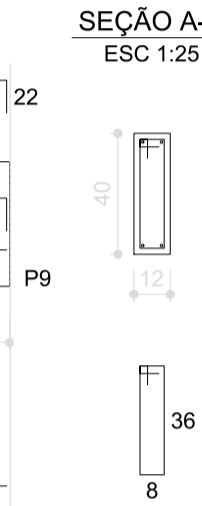
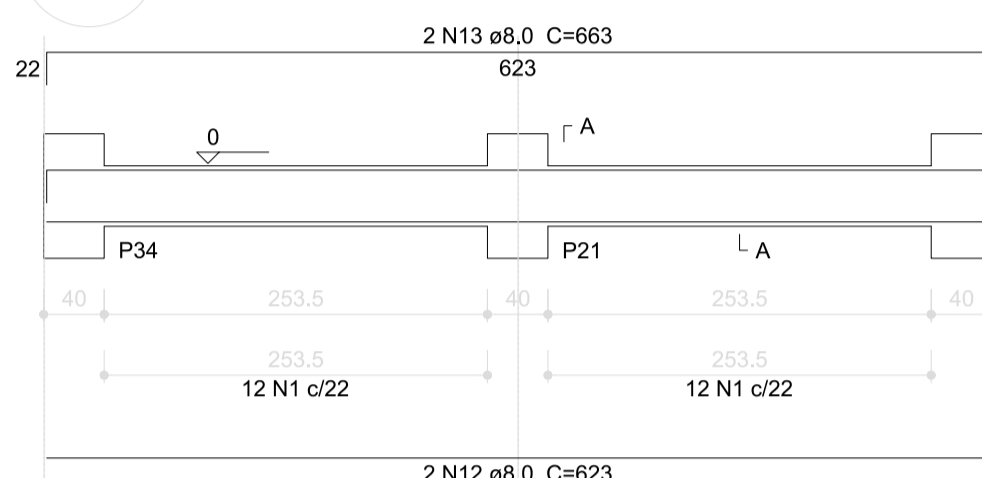
V19  
ESC 1:50



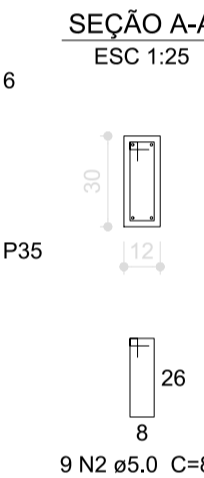
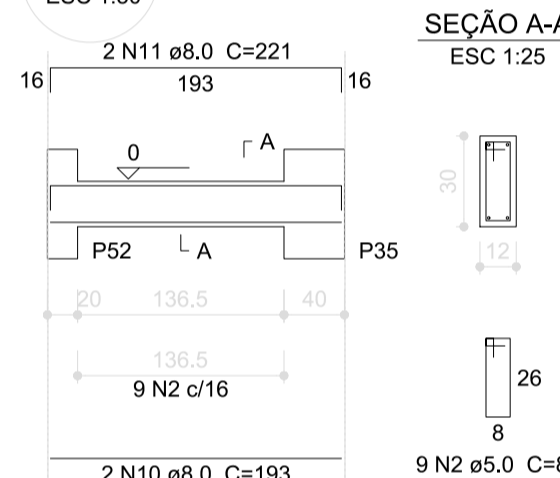
V17  
ESC 1:50



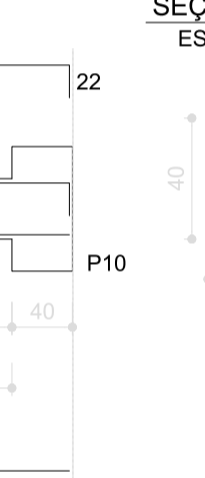
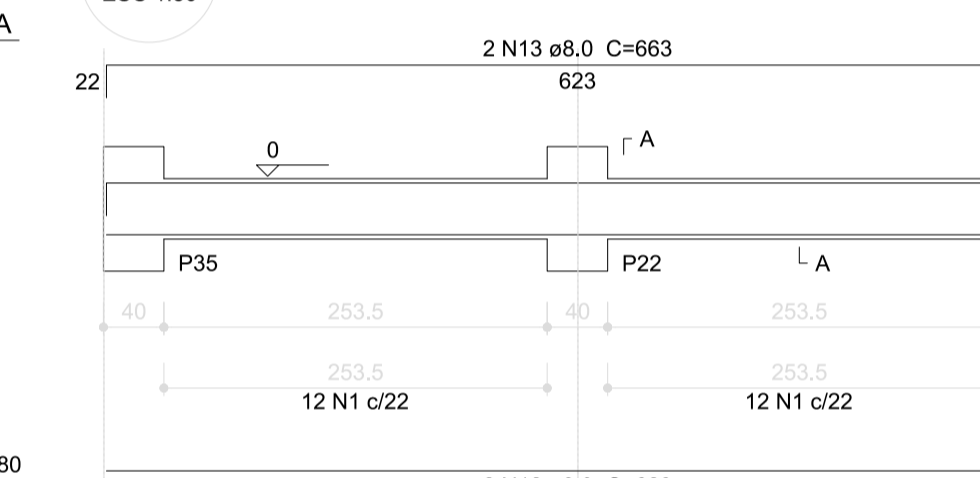
V20  
ESC 1:50



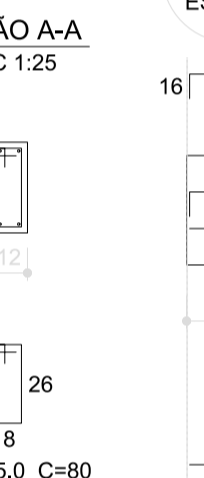
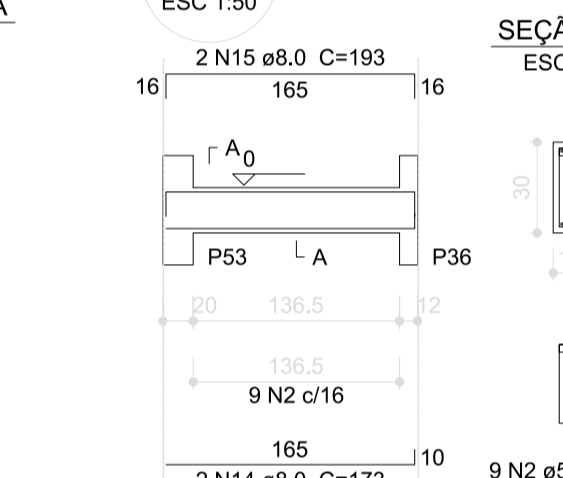
V21  
ESC 1:50



V22  
ESC 1:50



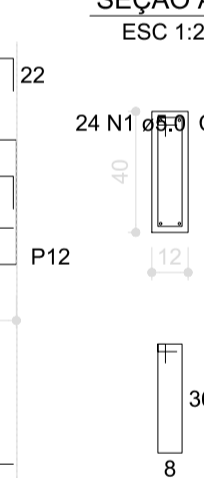
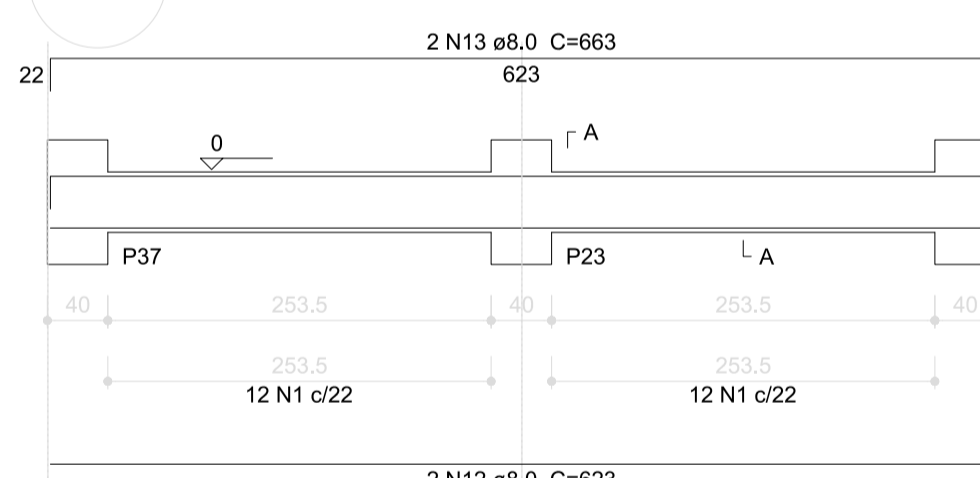
V23  
ESC 1:50



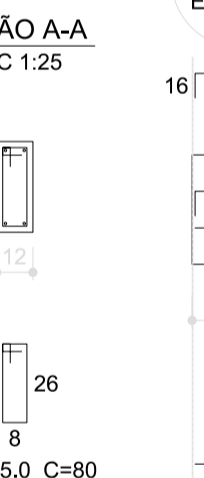
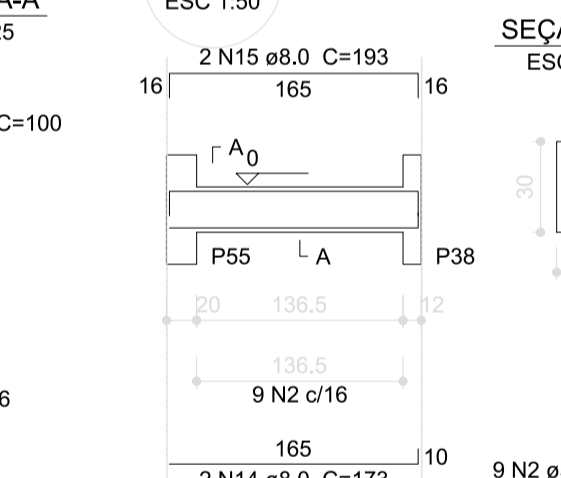
V24  
ESC 1:50



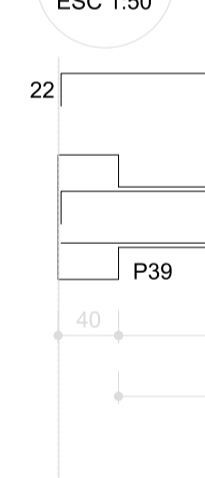
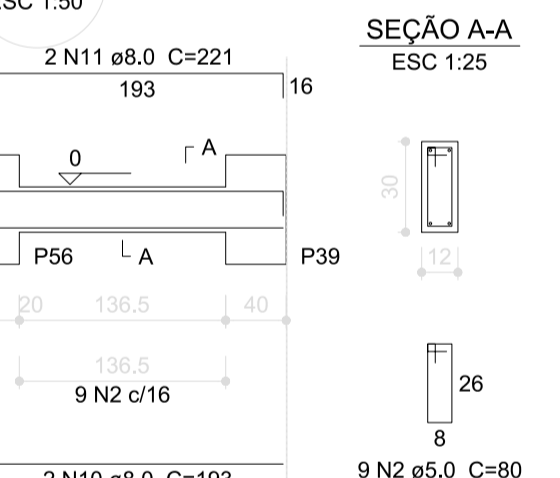
V25  
ESC 1:50



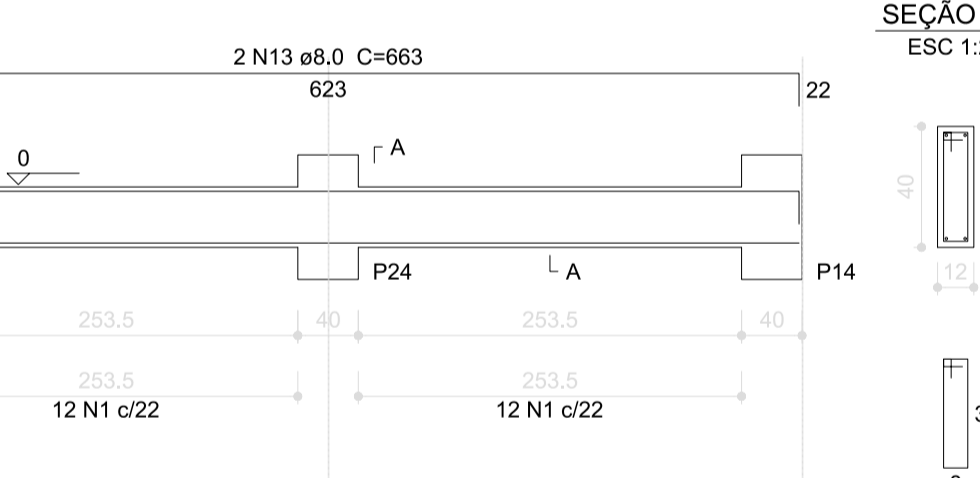
V26  
ESC 1:50



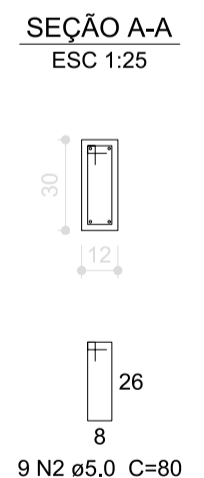
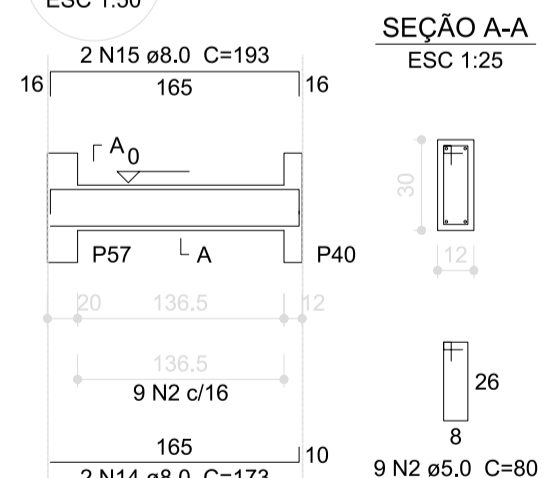
V27  
ESC 1:50



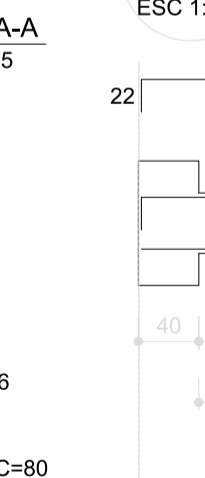
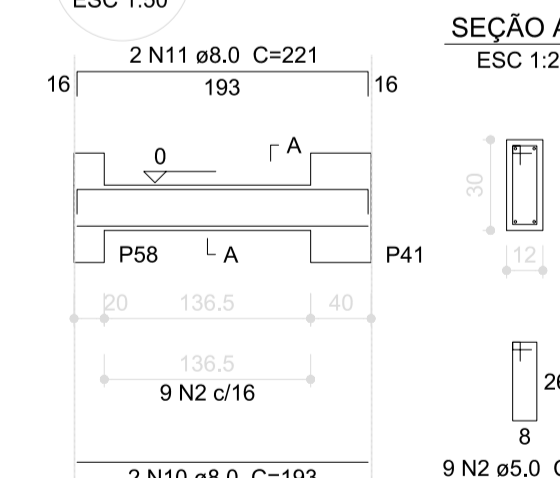
V28  
ESC 1:50



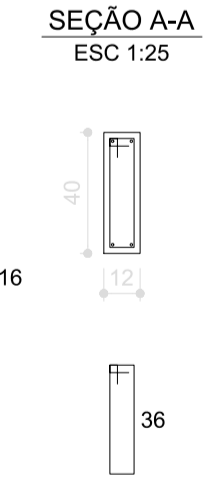
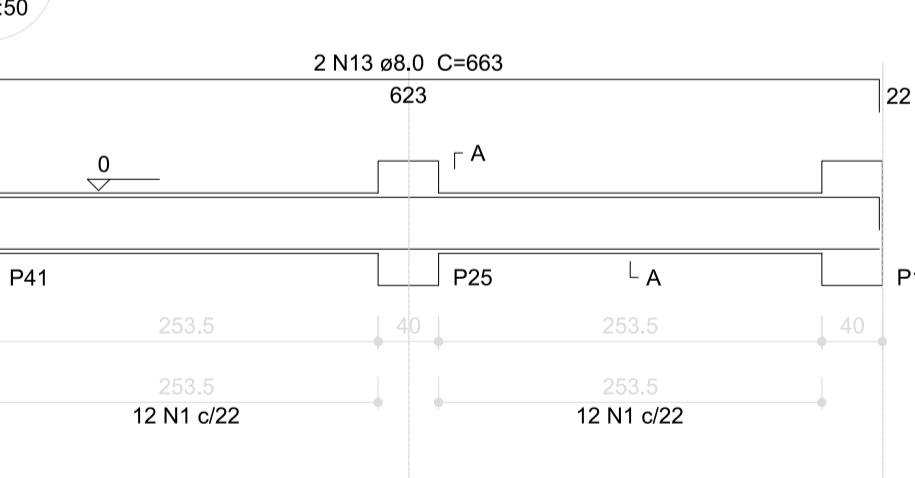
V29  
ESC 1:50



V30  
ESC 1:50



V31  
ESC 1:50



Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
V5					
V20					
V23					
V26					
V29					
V17					
V21					
V24					
V27					
V28					
V31					
CA60	1	5.0	286	100	28600
	2	5.0	72	80	5760
CA50	3	8.0	2	819	1638
	4	8.0	2	811	1622
	5	8.0	2	1092	2184
	6	8.0	2	525	1050
	7	8.0	2	1198	2396
	8	8.0	2	1200	2400
	9	8.0	2	976	1952
	10	8.0	10	193	1930
	11	8.0	10	221	2210
	12	8.0	12	623	7476
	13	8.0	12	663	7956
	14	8.0	6	173	1038
	15	8.0	6	193	1158

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	350.1	138.3
CA60	5.0	343.6	52.9
PESO TOTAL (kg)			
CA50	138.3		
CA60	52.9		

Volume de concreto (C-25) = 3,9 m³  
Área de forma = 75,23 m²

1 VIGAS NÍVEL 000  
ESCALA: INDICADA



PREFEITURA MUNICIPAL DE  
**FEIRA DE SANTANA**

Secretaria Municipal de Planejamento  
DEPARTAMENTO URBANO

PROJETO  
**ESCOLA 6 SALAS DE AULA**  
**PROJETO ESTRUTURAL**

ENDEREÇO  
Povoado Água Grande, Distrito de Maria Quitéria, Feira de Santana-Bahia

TÍTULO  
VIGAS NÍVEL 000  
(BLOCO PEDAGÓGICO)

DATA  
MAI/2020

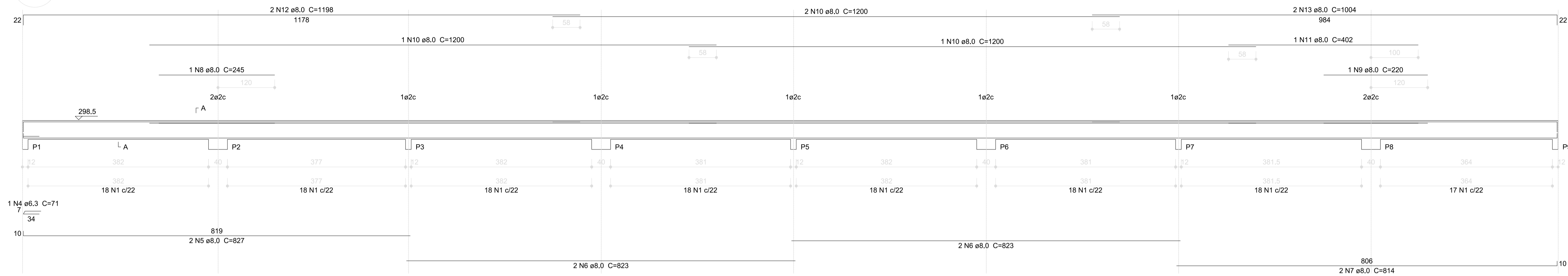
REVISÃO  
6-SCV-DEF-PDGO-03\_04\_R02

ESCALA  
INDICADA

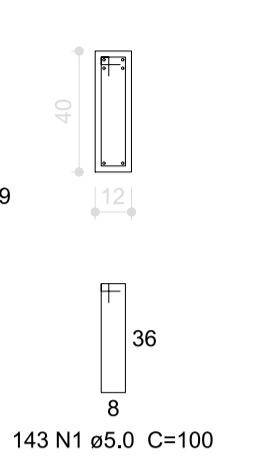
FOLHA  
00

04/22

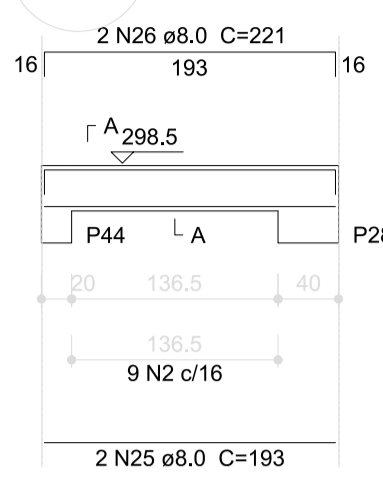
V1  
ESC 1:50



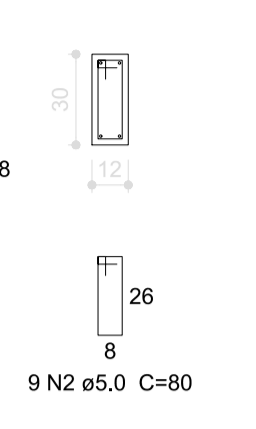
SEÇÃO A-A  
ESC 1:25



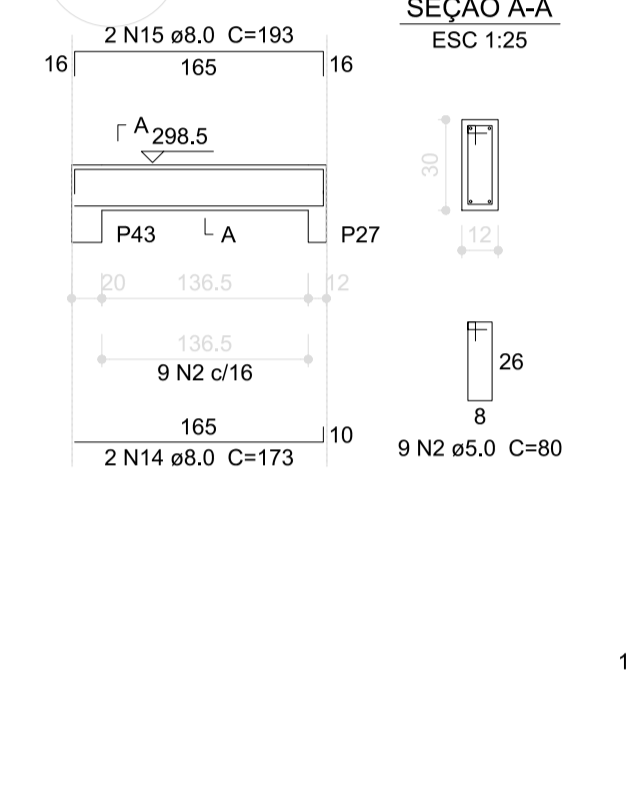
V9  
ESC 1:50



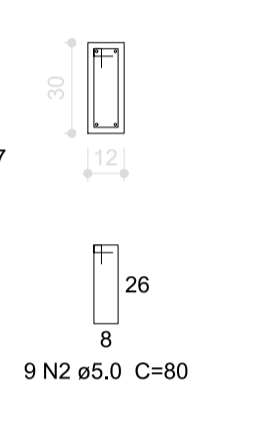
SEÇÃO A-A  
ESC 1:25



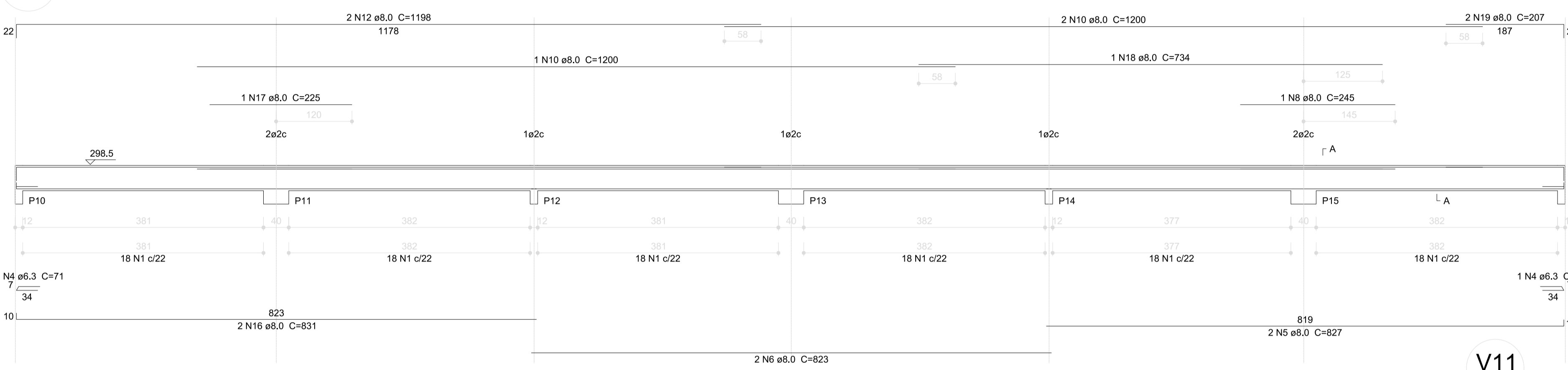
V8  
ESC 1:50



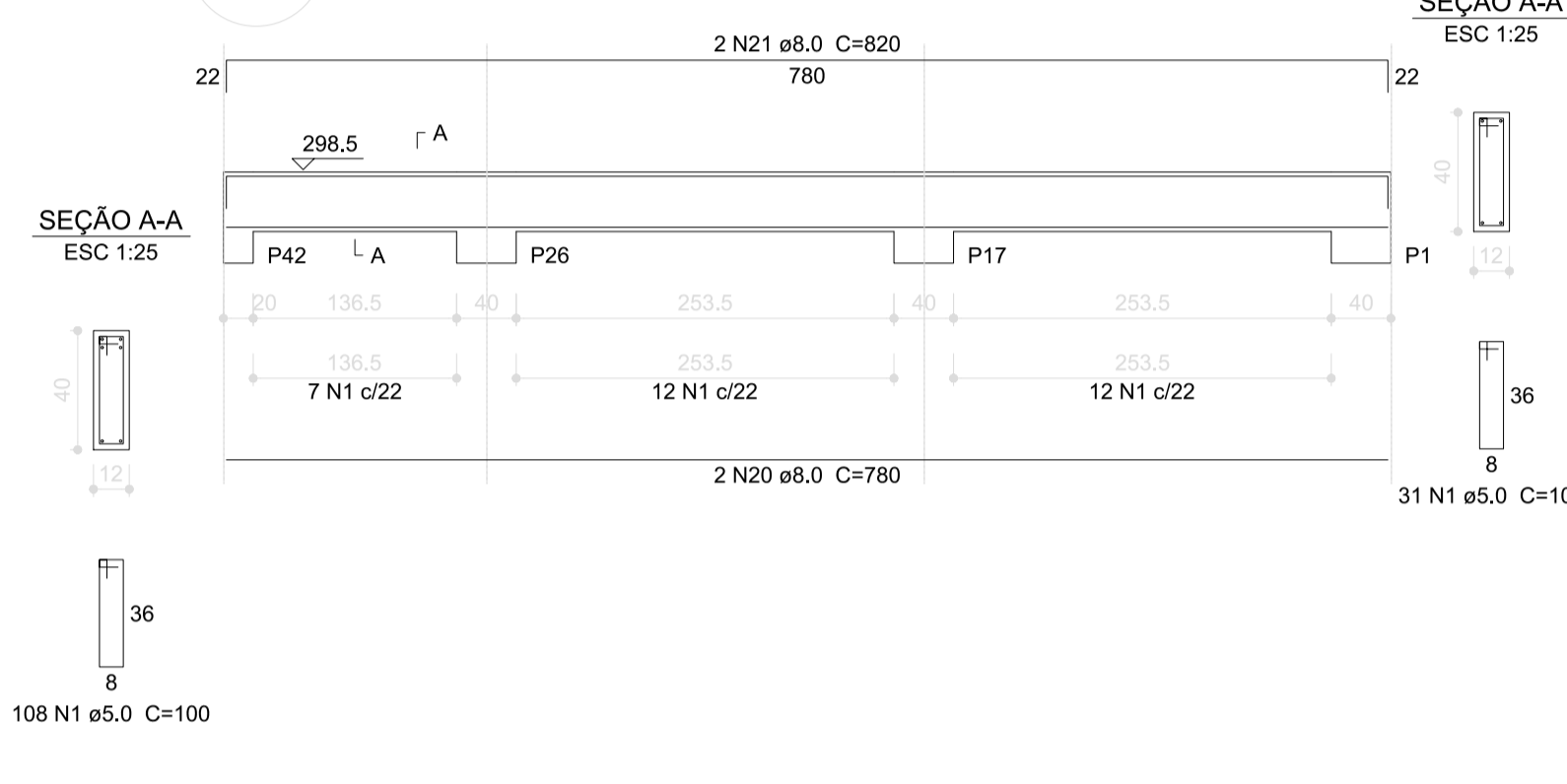
SEÇÃO A-A  
ESC 1:25



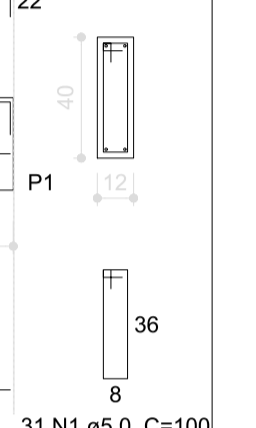
V2  
ESC 1:50



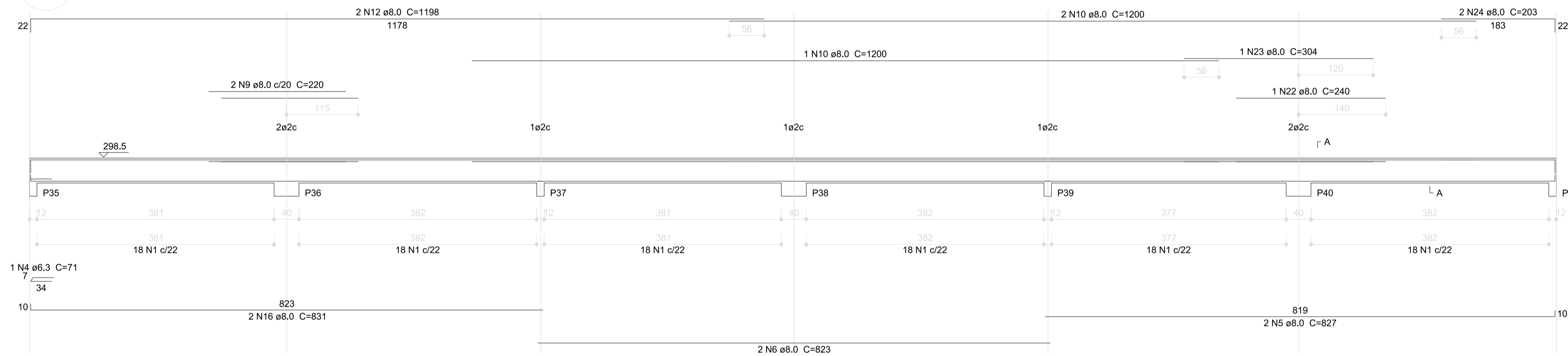
V7  
ESC 1:50



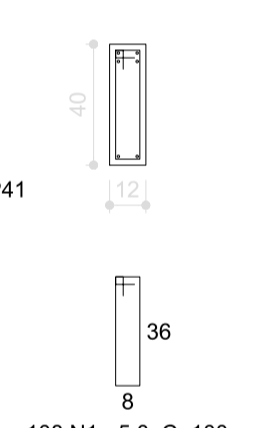
SEÇÃO A-A  
ESC 1:25



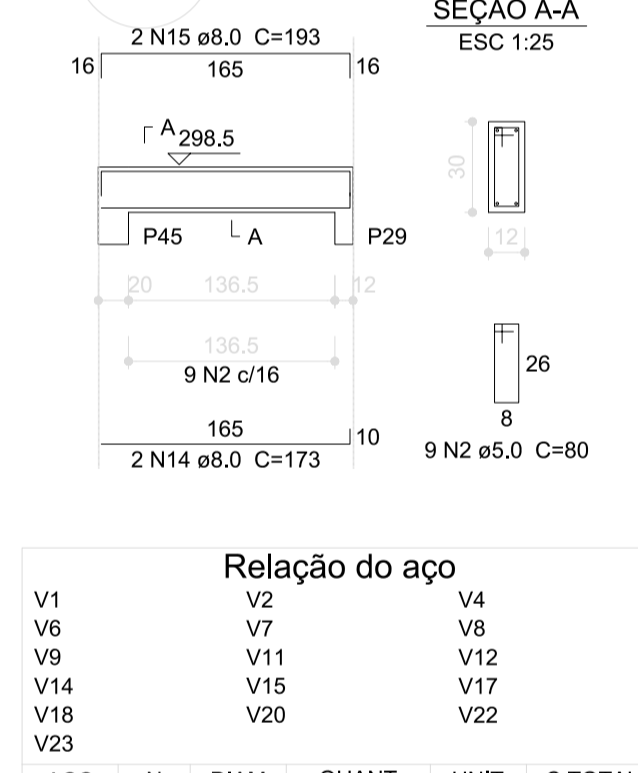
V4  
ESC 1:50



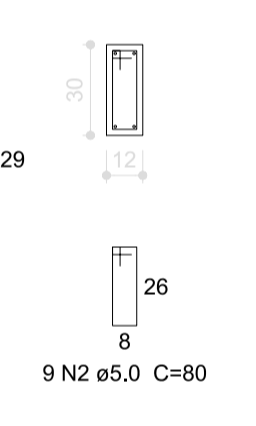
SEÇÃO A-A  
ESC 1:25



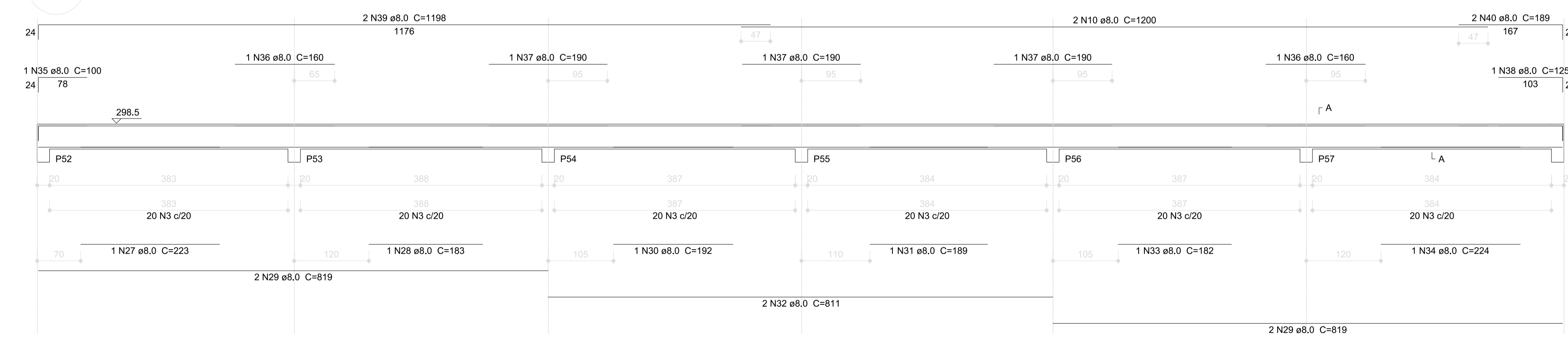
V11  
ESC 1:50



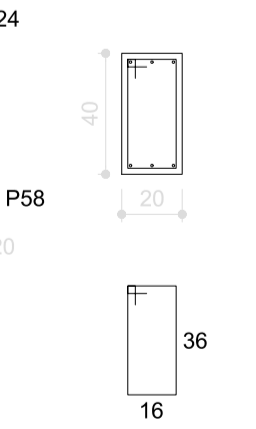
SEÇÃO A-A  
ESC 1:25



V6  
ESC 1:50



SEÇÃO A-A  
ESC 1:25



Relação do aço

ÁÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	390	100	39000
	2	5.0	99	80	7920
	3	5.0	120	116	13920
CA50	4	6.3	4	71	284
	5	8.0	6	827	4962
	6	8.0	8	823	6584
	7	8.0	2	814	1628
	8	8.0	2	245	490
	9	8.0	3	220	660
	10	8.0	12	1200	14400
	11	8.0	1	402	402
	12	8.0	6	1198	7188
	13	8.0	2	1004	2008
	14	8.0	10	173	1730
	15	8.0	10	193	1930
	16	8.0	4	831	3324
	17	8.0	1	225	225
	18	8.0	1	734	734
	19	8.0	2	207	414
	20	8.0	2	780	1560
	21	8.0	2	820	1640
	22	8.0	1	240	240
	23	8.0	1	304	304
	24	8.0	2	203	406
	25	8.0	12	193	2316
	26	8.0	12	221	2652
	27	8.0	1	223	223
	28	8.0	1	183	183
	29	8.0	4	819	3276
	30	8.0	1	192	192
	31	8.0	1	189	189
	32	8.0	2	811	1622
	33	8.0	1	182	182
	34	8.0	1	224	224
	35	8.0	1	100	100
	36	8.0	2	160	320
	37	8.0	3	190	570
	38	8.0	1	125	125
	39	8.0	2	1198	2396
	40	8.0	2	189	378

Resumo do aço

ÁÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	6.3	2.9	0.7
	8.0	657.8	259.8
CA60	5.0	608.4	93.7
PESO TOTAL (kg)			
CA50		260.5	
CA60		93.7	

Volume de concreto (C-25) = 6.98 m³  
Área de forma = 121.33 m²

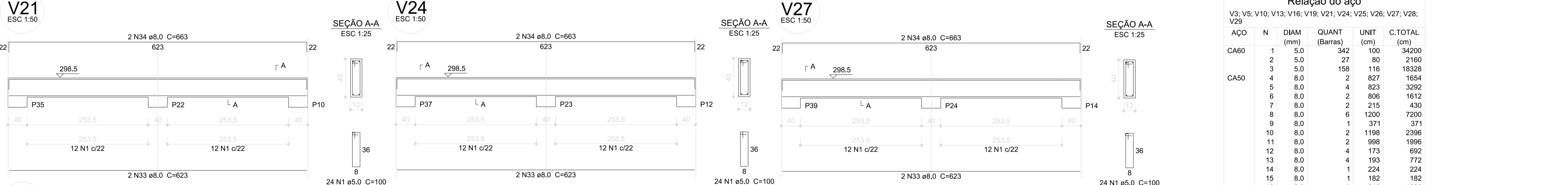
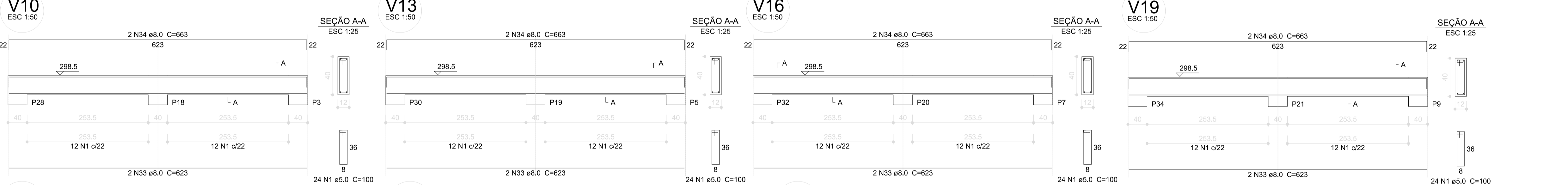
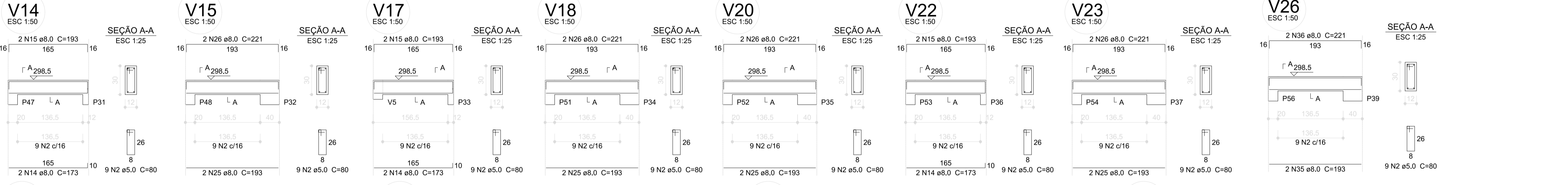
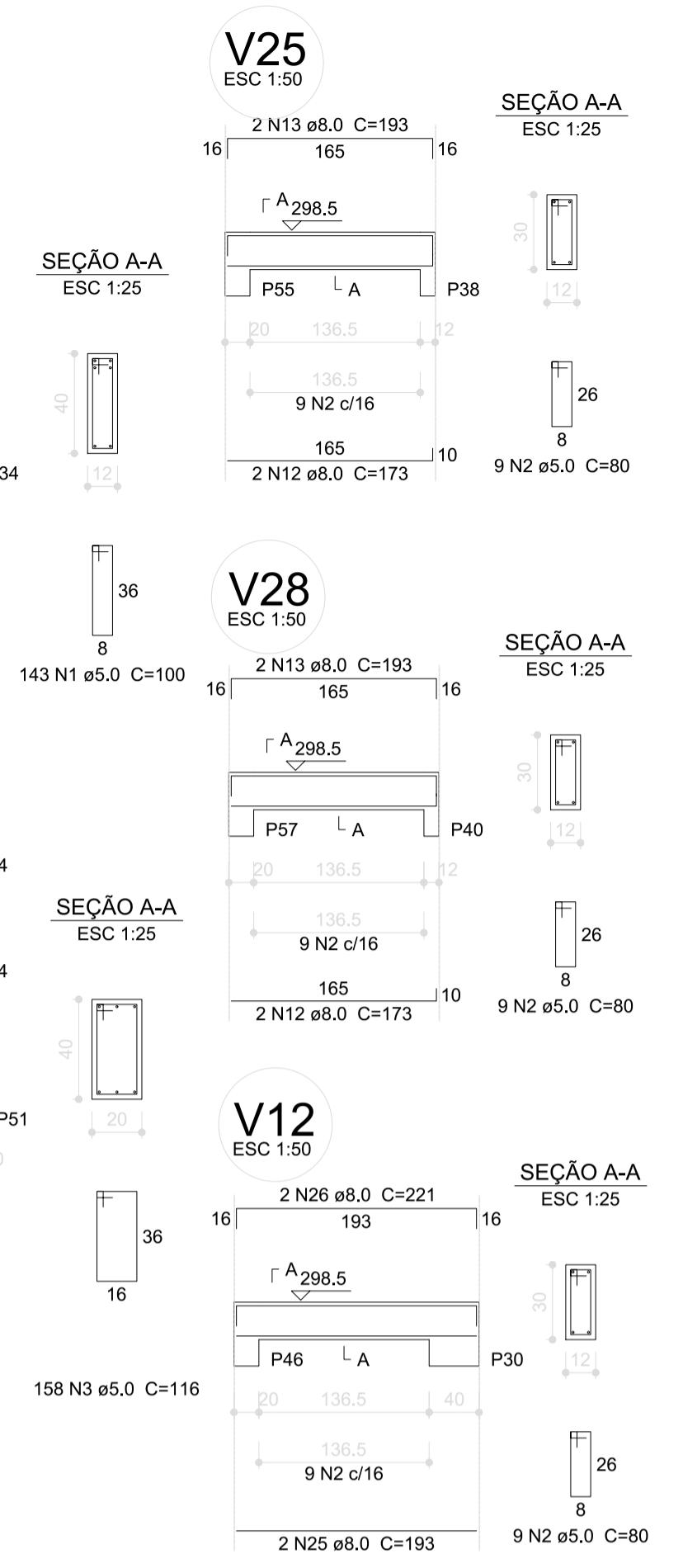
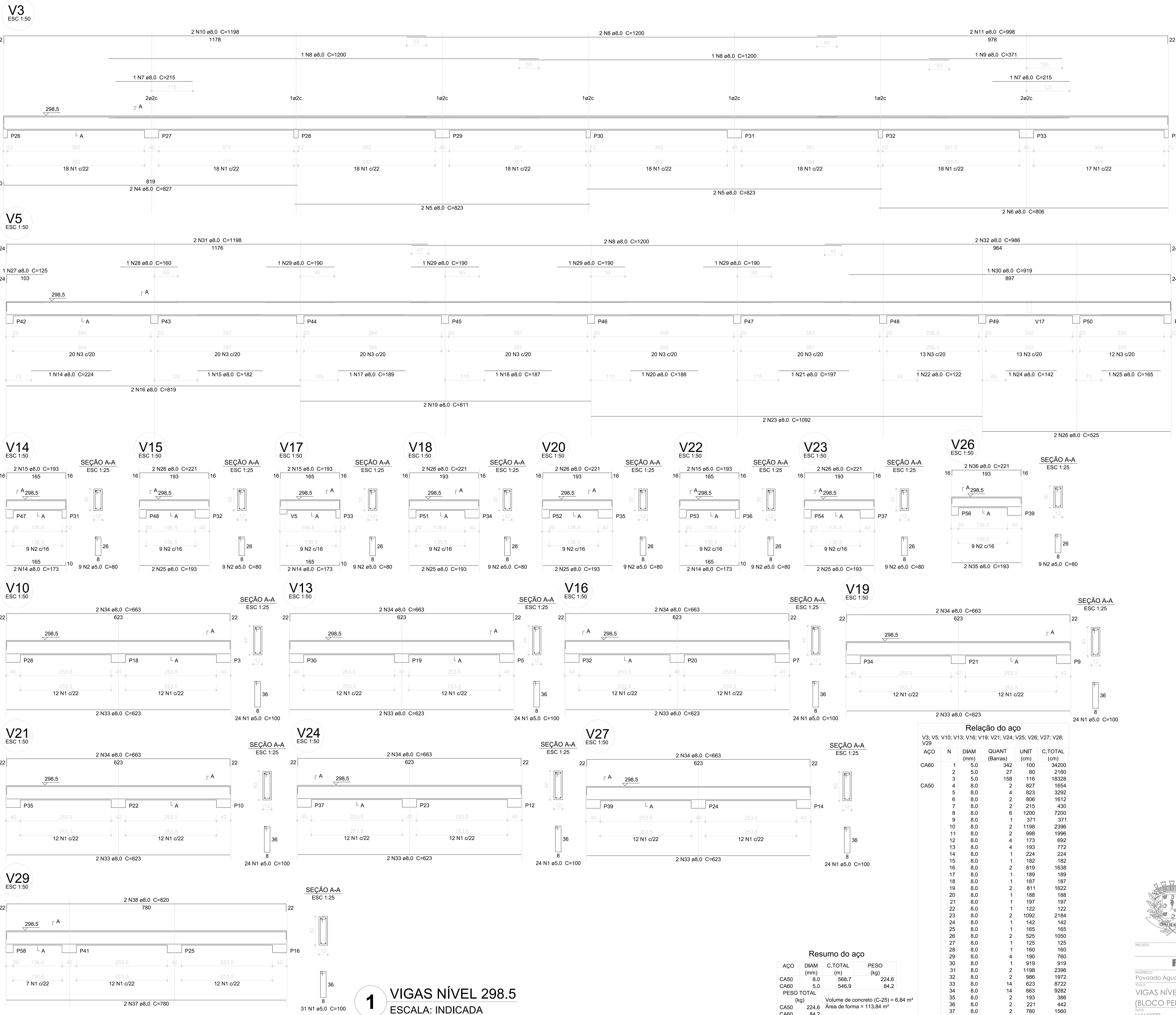
1 VIGAS NÍVEL 298.5  
ESCALA: INDICADA



PREFEITURA MUNICIPAL DE  
**FEIRA DE SANTANA**  
Secretaria Municipal de Planejamento  
DEPARTAMENTO URBANO

PROJETO  
**ESCOLA 6 SALAS DE AULA**  
**PROJETO ESTRUTURAL**

ENDEREÇO: Povoado Água Grande, Distrito de Maria Quitéria, Feira de Santana-Bahia  
TÍTULO: VIGAS NÍVEL 298.5 (BLOCO PEDAGÓGICO)  
DATA: MAI/2020  
FOLHA: 05/22  
ESCALA: INDICADA  
REVISÃO: 00



**Relação do aço**

V3; V5; V10; V13; V16; V19; V21; V24; V25; V26; V27; V28; V29

ACO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	342	100	34200
	2	5.0	27	80	2160
	3	5.0	158	116	18328
CA50	4	8.0	2	827	1654
	5	8.0	4	823	3292
	6	8.0	2	808	1612
	7	8.0	2	215	430
	8	8.0	6	1200	7200
	9	8.0	1	371	371
	10	8.0	2	1198	2396
	11	8.0	2	998	1996
	12	8.0	4	173	692
	13	8.0	4	193	772
	14	8.0	1	224	224
	15	8.0	1	182	182
	16	8.0	2	819	1638
	17	8.0	1	189	189
	18	8.0	1	197	197
	19	8.0	2	811	1622
	20	8.0	1	188	188
	21	8.0	1	197	197
	22	8.0	1	122	122
	23	8.0	2	1092	2184
	24	8.0	1	142	142
	25	8.0	1	165	165
	28	8.0	2	525	1050
	27	8.0	1	125	125
	28	8.0	1	160	160
	29	8.0	4	190	760
	30	8.0	1	919	919
	31	8.0	2	1198	2396
	32	8.0	2	886	1772
	33	8.0	14	623	8722
	34	8.0	14	663	9282
	35	8.0	2	193	386
	36	8.0	2	221	442
	37	8.0	2	780	1560
	38	8.0	2	820	1640

**Resumo do aço**

ACO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	568.7	224.6
CA60	5.0	546.9	84.2
<b>PESO TOTAL (kg)</b>			<b>308.8</b>

Volume de concreto (C-25) = 6.84 m³  
Área de forma = 113.84 m²

**1 VIGAS NÍVEL 298.5**  
ESCALA: INDICADA

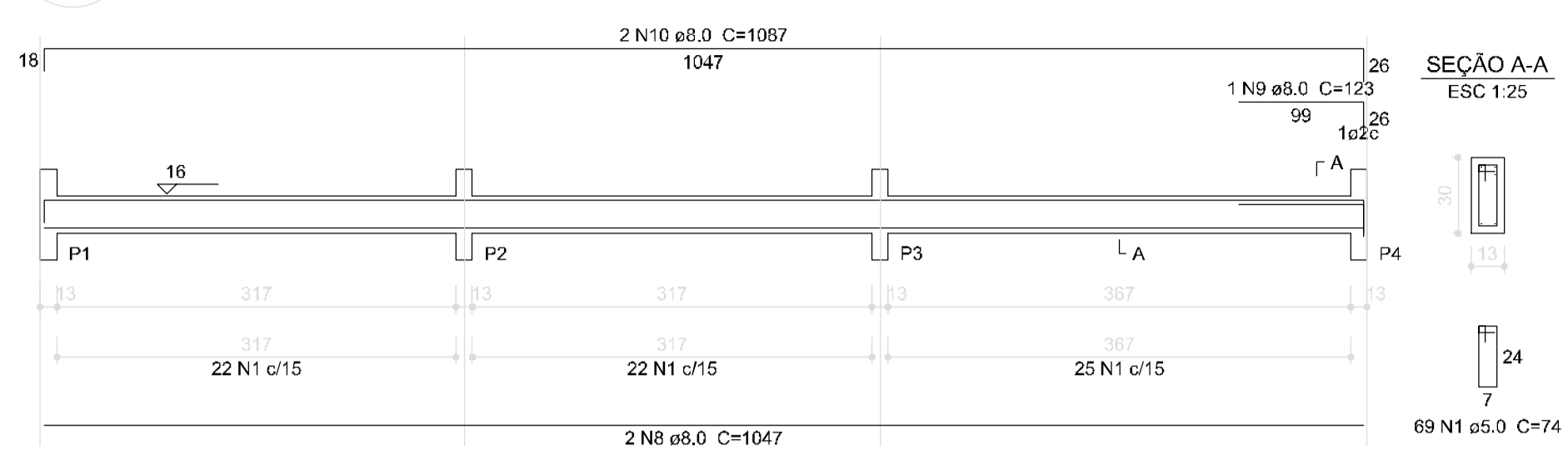


**PREFEITURA MUNICIPAL DE FEIRA DE SANTANA**  
Secretaria Municipal de Planejamento  
DEPARTAMENTO URBANO

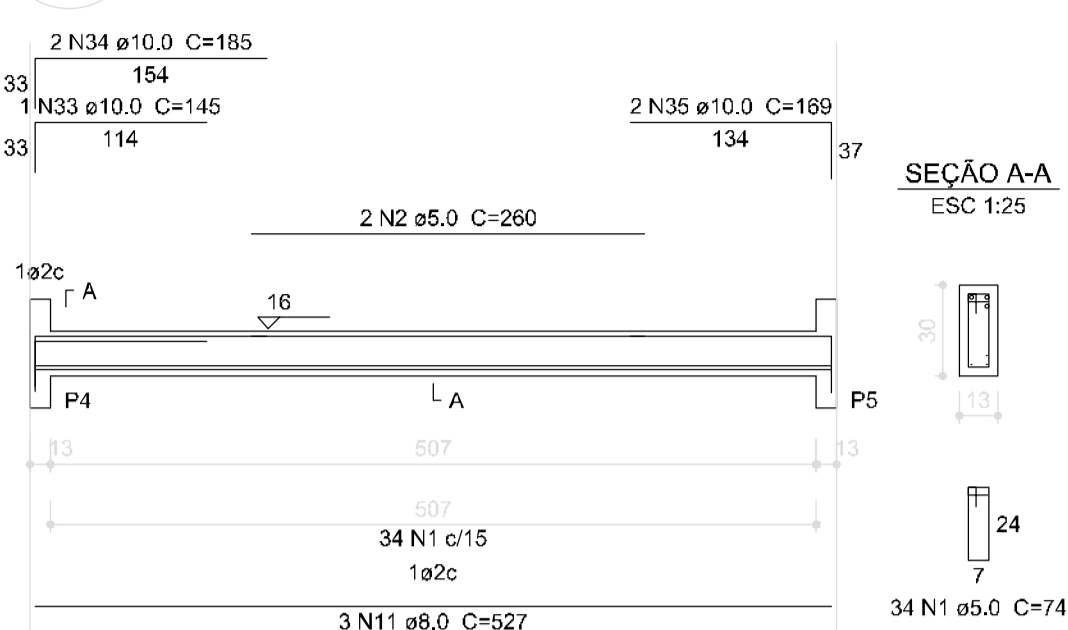
PROJETO **ESCOLA 6 SALAS DE AULA PROJETO ESTRUTURAL**

ENDEREÇO: Povoado Água Grande, Distrito de Maria Quitéria, Feira de Santana-Bahia  
BLOCO PEDAGÓGICO  
DATA: MAI/2020  
FOLHA: 06/22  
ESCALA: INDICADA

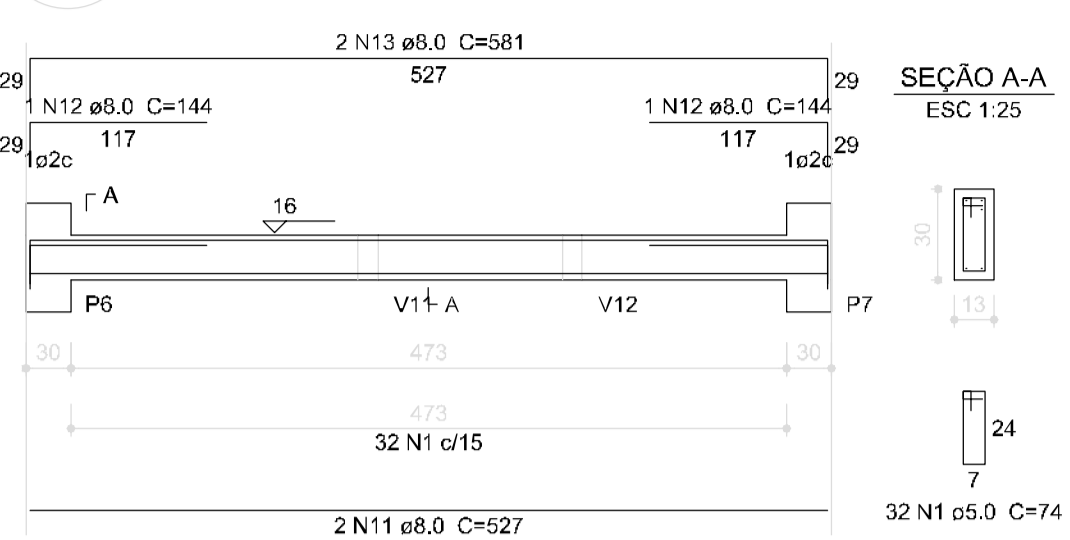
V1  
ESC 1:50



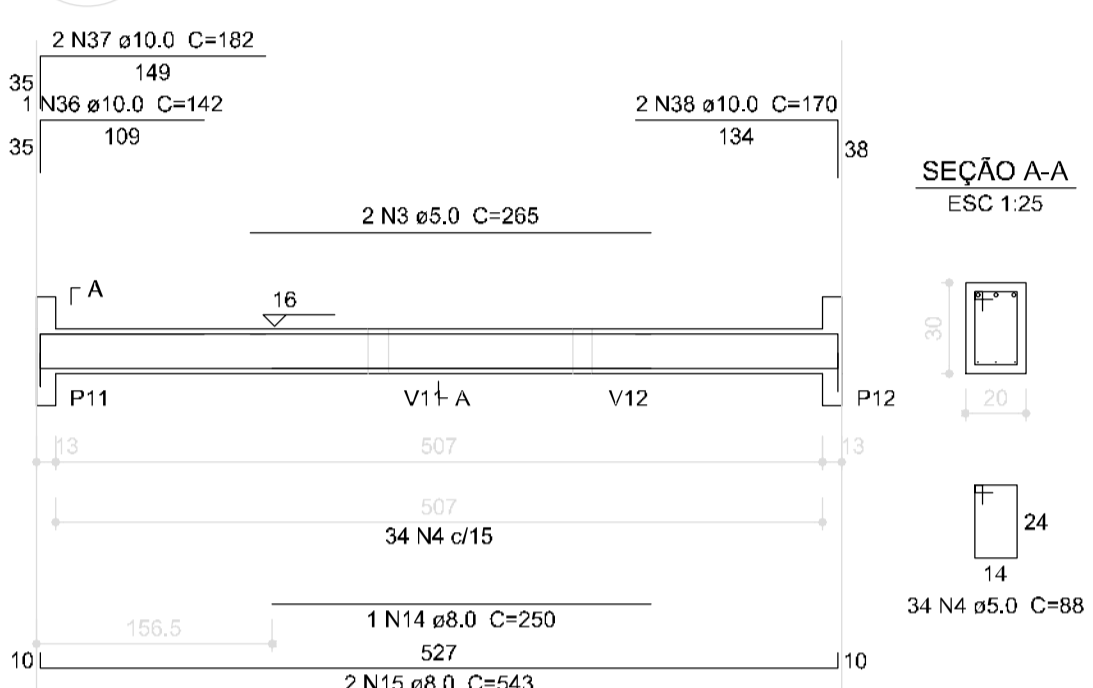
V2  
ESC 1:50



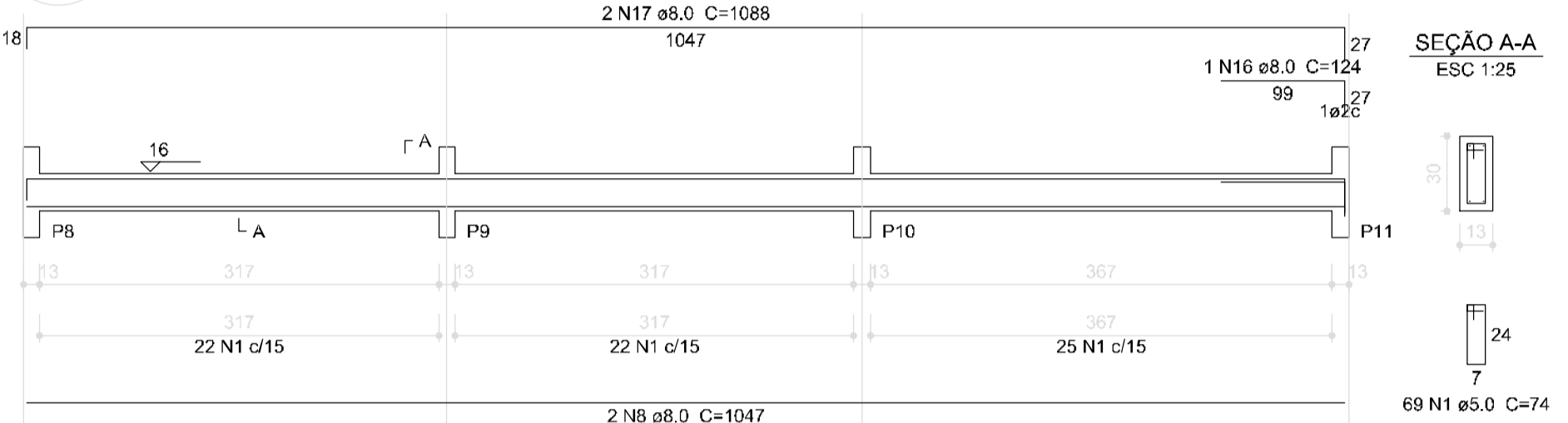
V3  
ESC 1:50



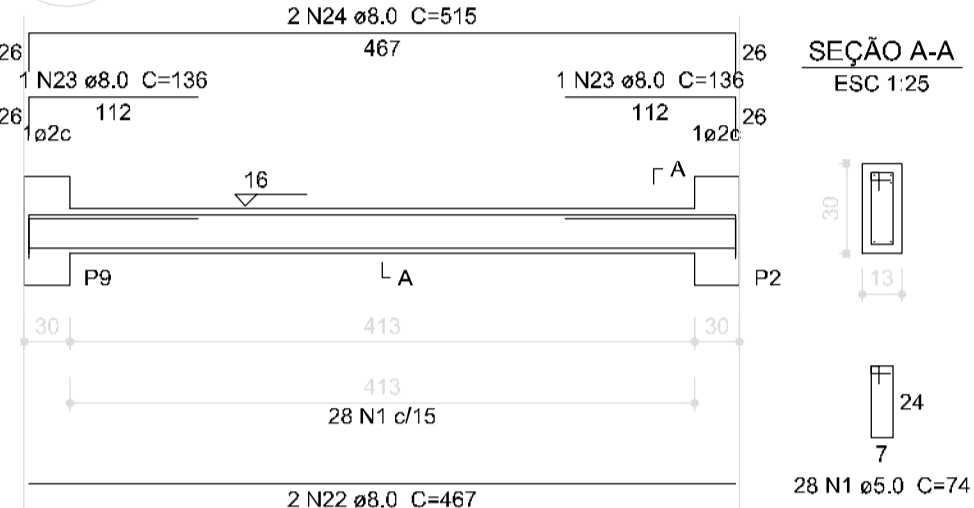
V4  
ESC 1:50



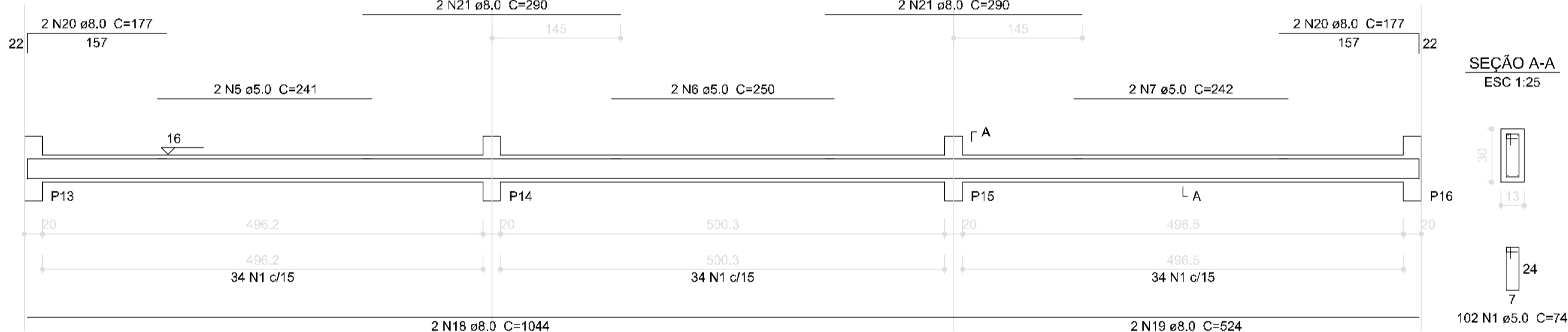
V5  
ESC 1:50



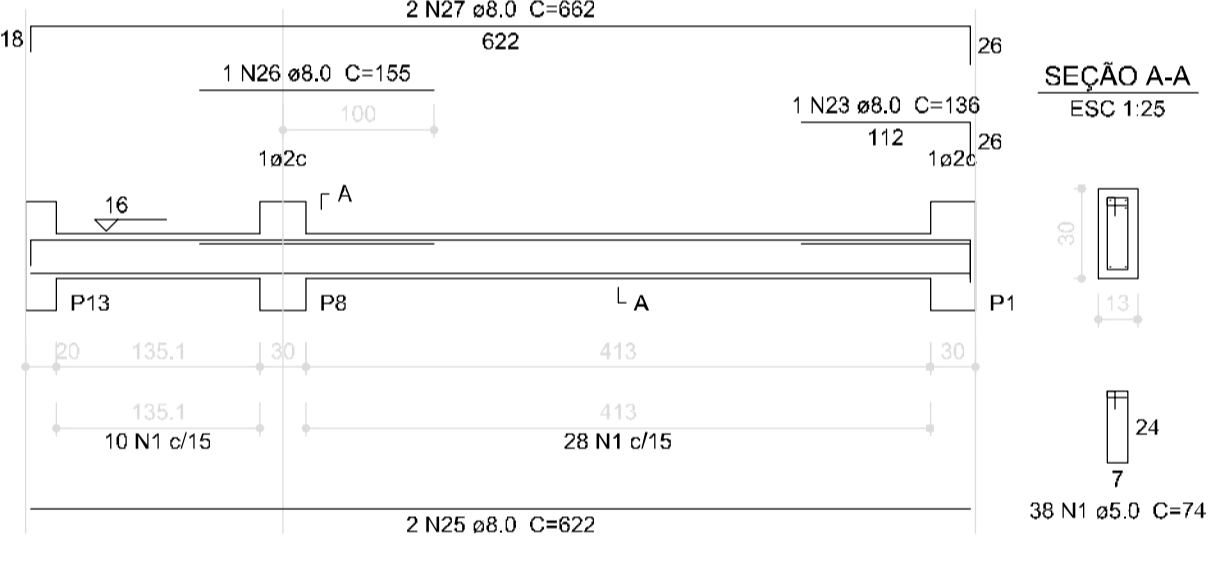
V8  
ESC 1:50



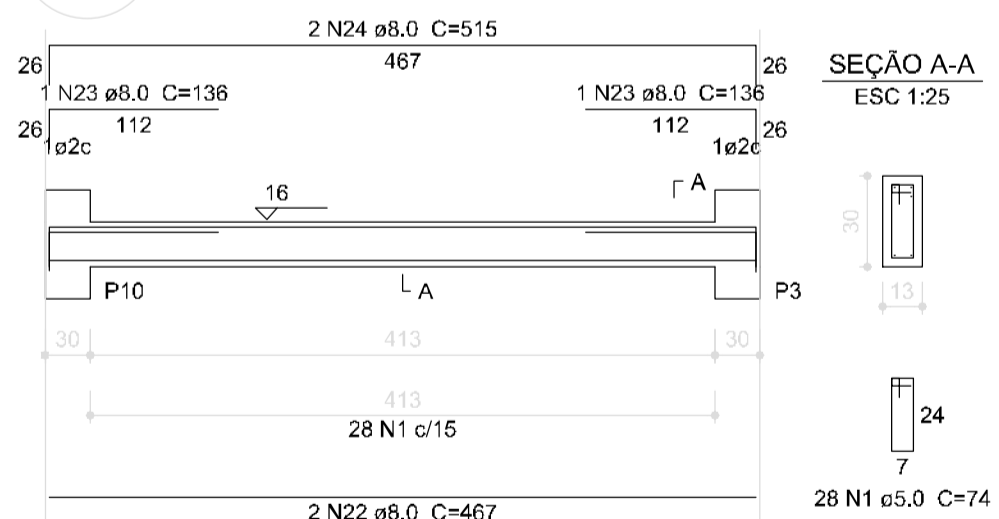
V6  
ESC 1:50



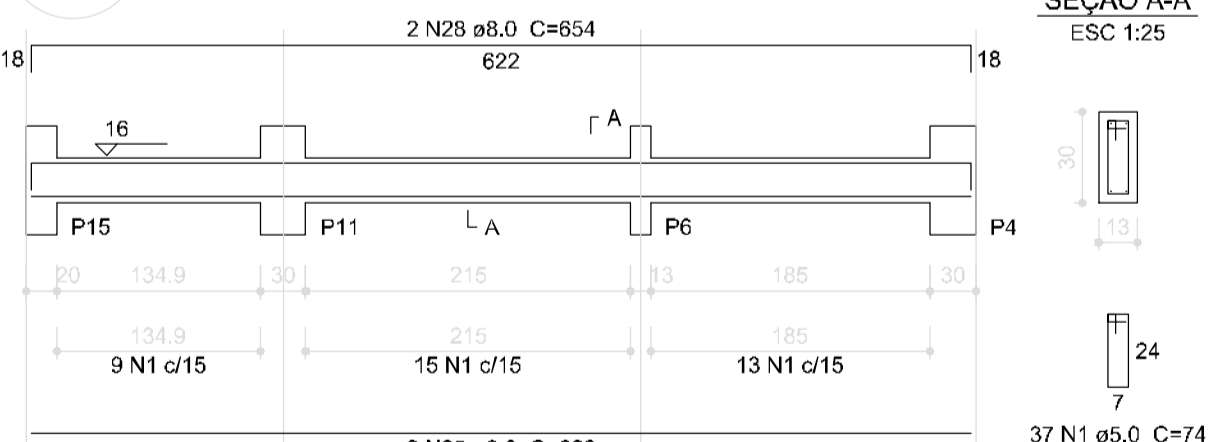
V7  
ESC 1:50



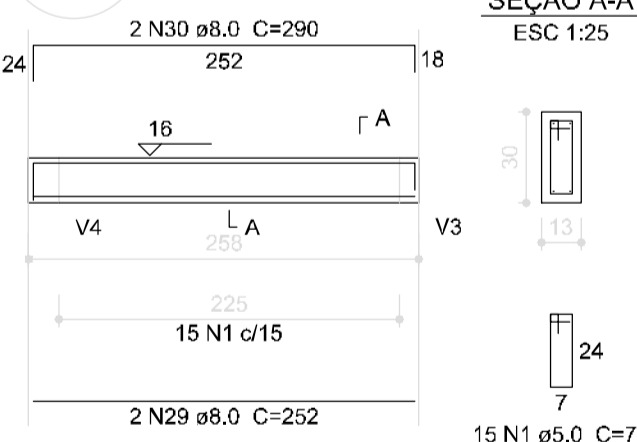
V9  
ESC 1:50



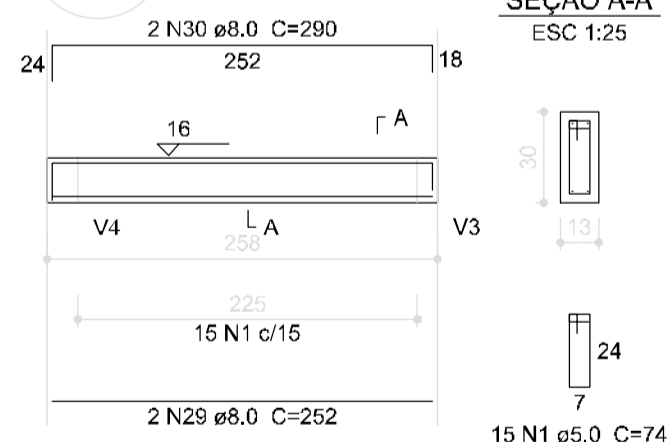
V10  
ESC 1:50



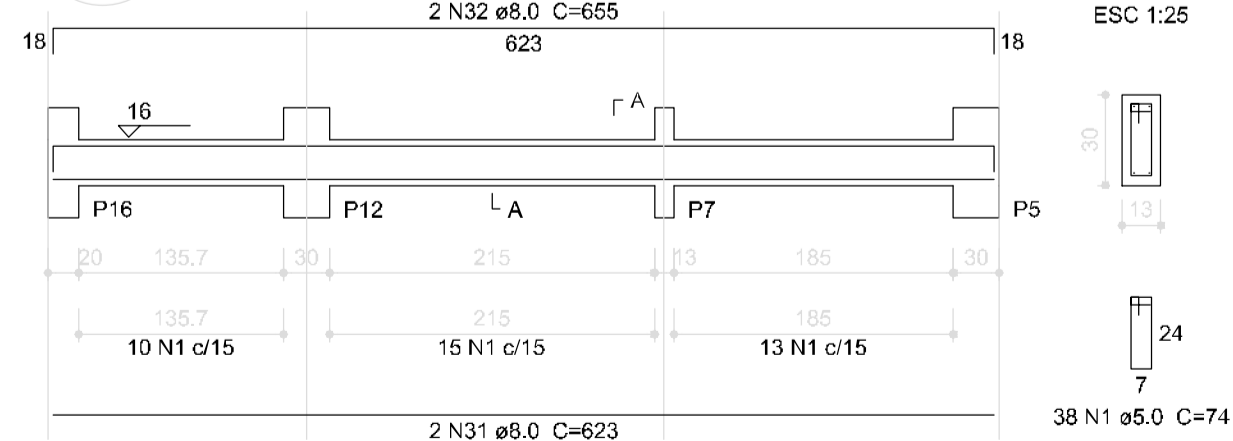
V11  
ESC 1:50



V12  
ESC 1:50



V13  
ESC 1:50



Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	505	74	37370
	2	5.0	2	260	520
	3	5.0	2	265	530
	4	5.0	34	88	2992
	5	5.0	2	241	482
	6	5.0	2	250	500
	7	5.0	2	242	484
CA50	8	8.0	4	1047	4188
	9	8.0	1	123	123
	10	8.0	2	1087	2174
	11	8.0	5	527	2635
	12	8.0	2	144	288
	13	8.0	2	581	1162
	14	8.0	1	250	250
	15	8.0	2	543	1086
	16	8.0	1	124	124
	17	8.0	2	1088	2176
	18	8.0	2	1044	2088
	19	8.0	2	524	1048
	20	8.0	4	177	708
	21	8.0	4	290	1160
	22	8.0	4	467	1868
	23	8.0	5	136	680
	24	8.0	4	515	2060
	25	8.0	4	622	2488
	26	8.0	1	155	155
	27	8.0	2	662	1324
	28	8.0	2	654	1308
	29	8.0	4	252	1008
	30	8.0	4	290	1160
	31	8.0	2	623	1246
	32	8.0	2	655	1310
	33	10.0	1	145	145
	34	10.0	2	185	370
	35	10.0	2	169	338
	36	10.0	1	142	142
	37	10.0	2	182	364
	38	10.0	2	170	340

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	338.2	133.6
CA60	5.0	428.8	66.0
<b>PESO TOTAL</b>			
CA50		144.1	
CA60		65.0	

Volume de concreto (C-25) = 3,48 m³  
Área de forma = 63,33 m²



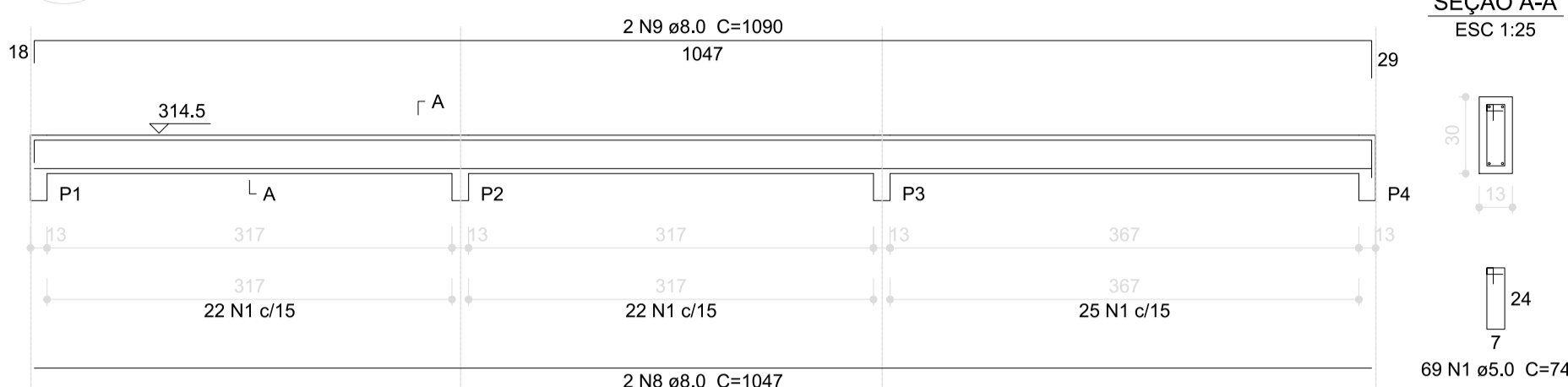
PREFEITURA MUNICIPAL DE  
**FEIRA DE SANTANA**  
Secretaria Municipal de Planejamento  
DEPARTAMENTO URBANO

PROJETO: **ESCOLA 6 SALAS DE AULA**  
**PROJETO ESTRUTURAL**

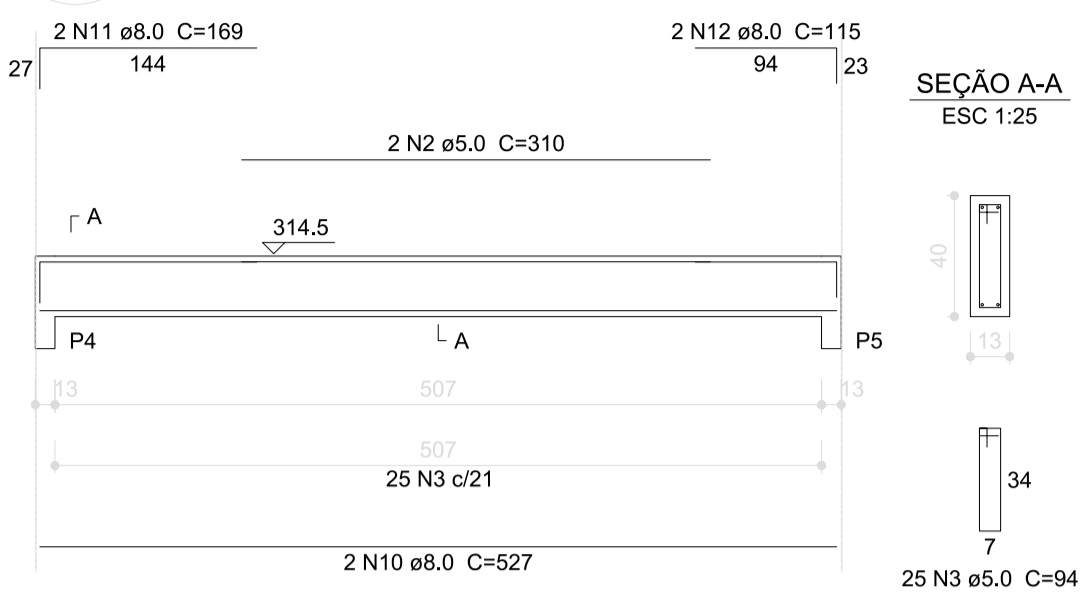
ENDEREÇO: Povoado Água Grande, Distrito de Maria Quitéria, Feira de Santana-Bahia  
TÍTULO: VIGAS NÍVEL 000 (BLOCO DE SERVIÇO)  
DATA: 04/2020  
SÍMBOLO: 6-SCV-DET-SERV-15\_14\_R02  
ESCALA: INDICADA  
FOLHA: 15/22

**1** VIGAS NÍVEL 000  
ESCALA: INDICADA

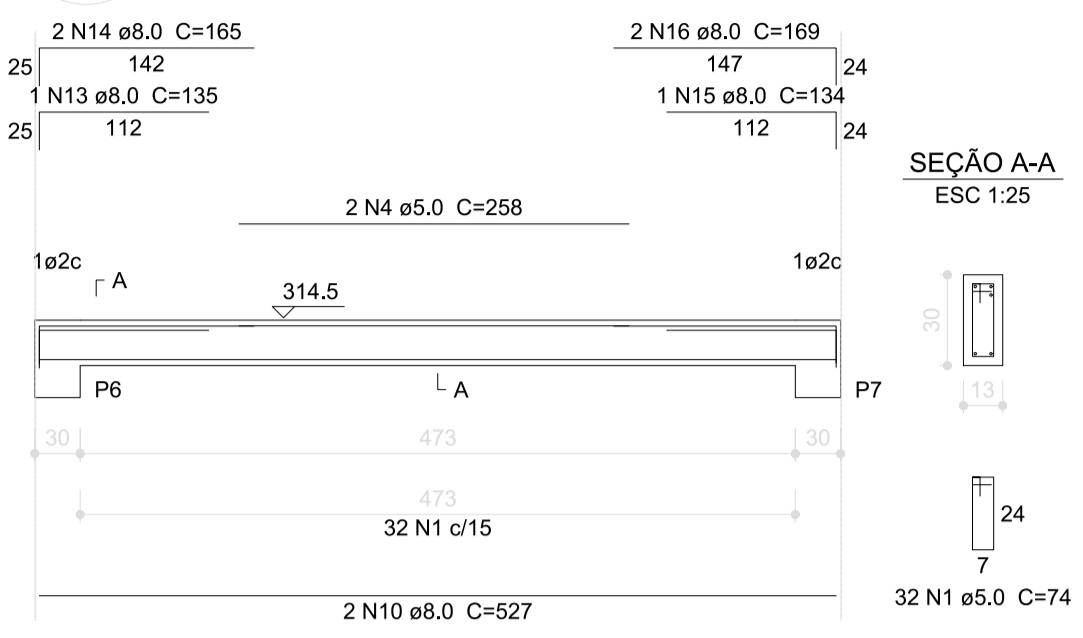
V1  
ESC 1:50



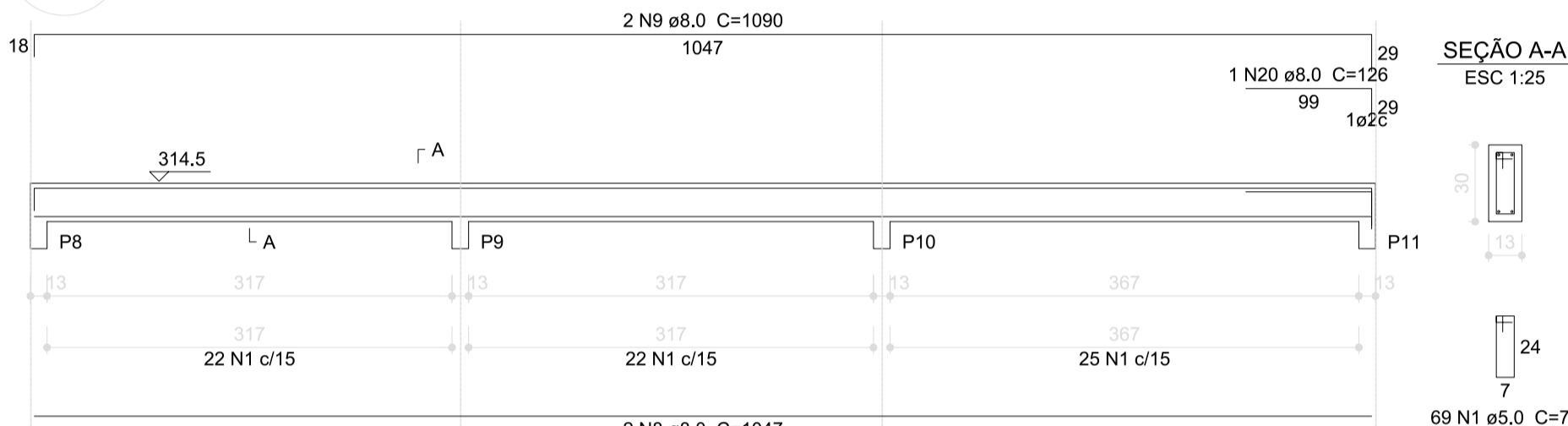
V2  
ESC 1:50



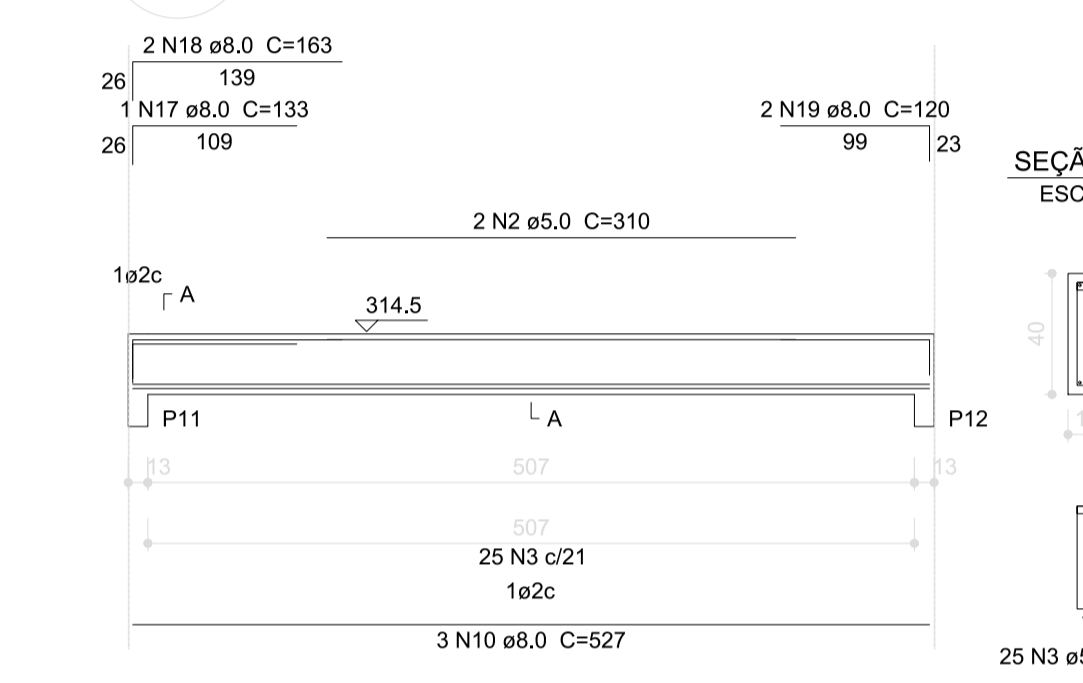
V3  
ESC 1:50



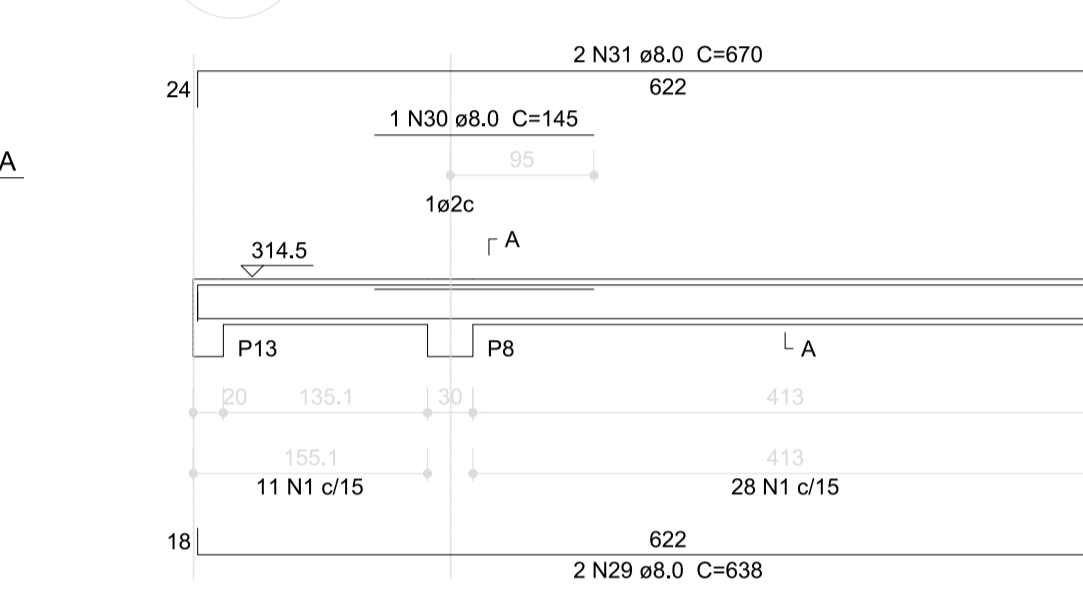
V4  
ESC 1:50



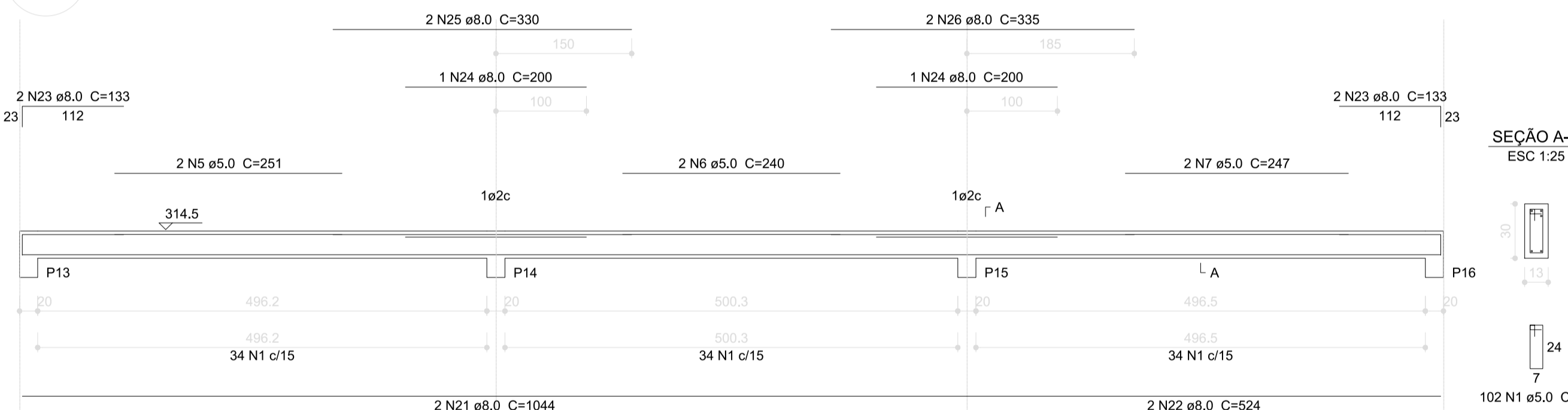
V5  
ESC 1:50



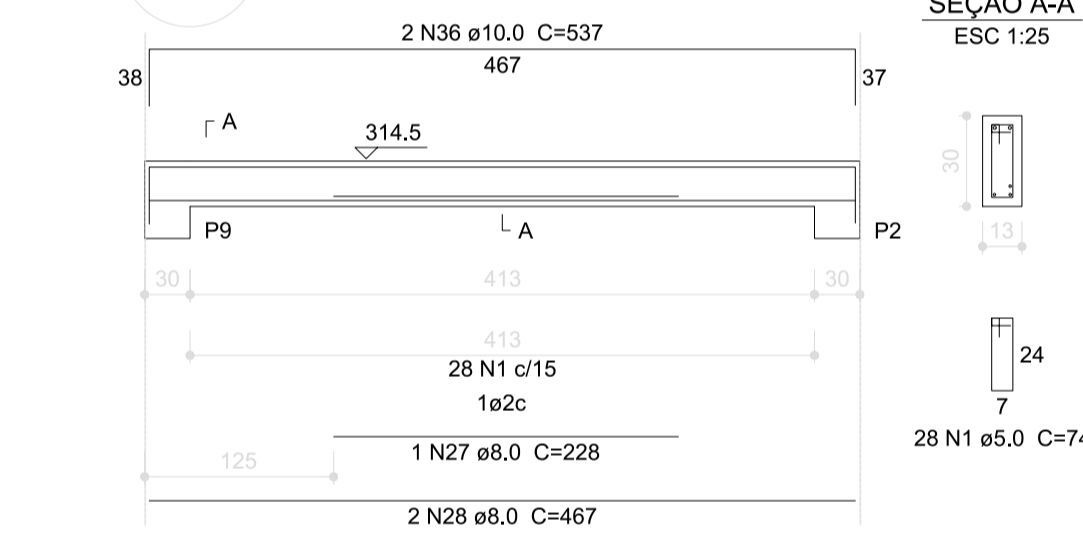
V7  
ESC 1:50



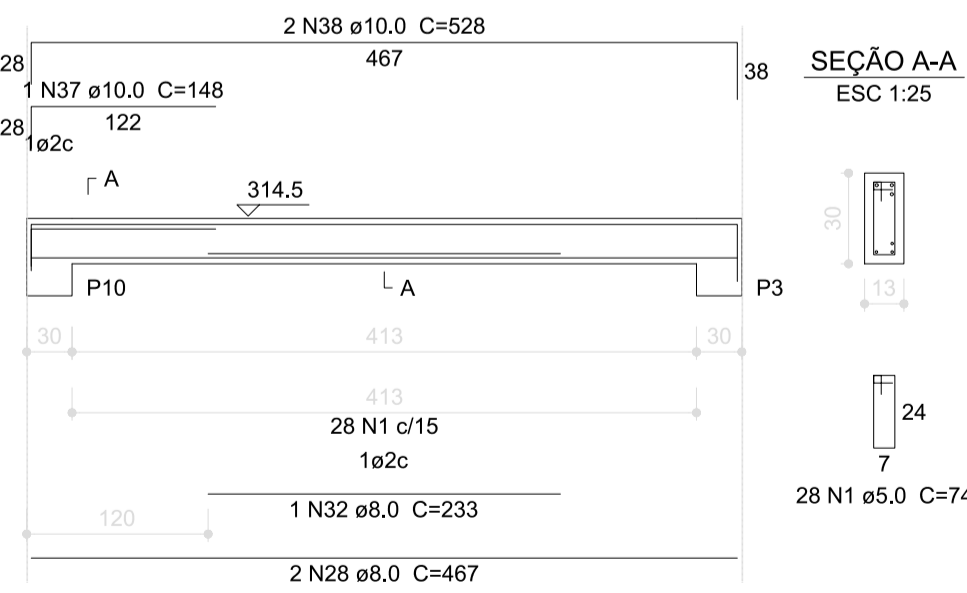
V6  
ESC 1:50



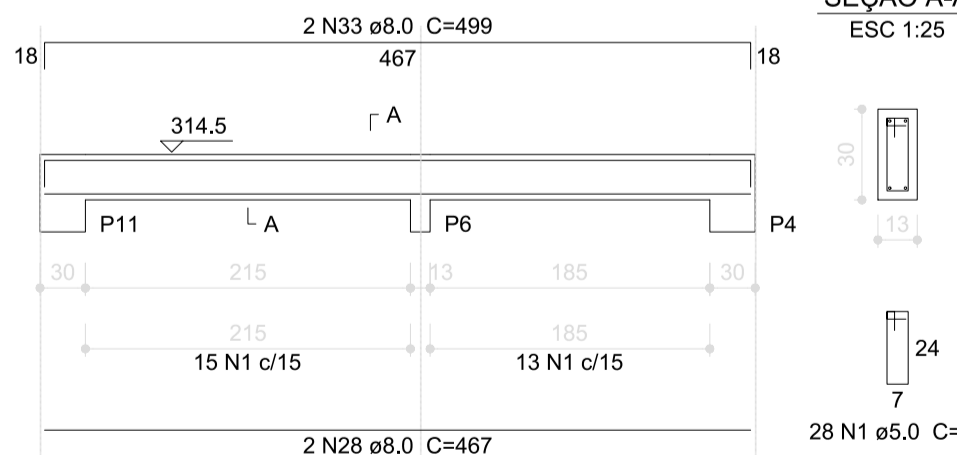
V8  
ESC 1:50



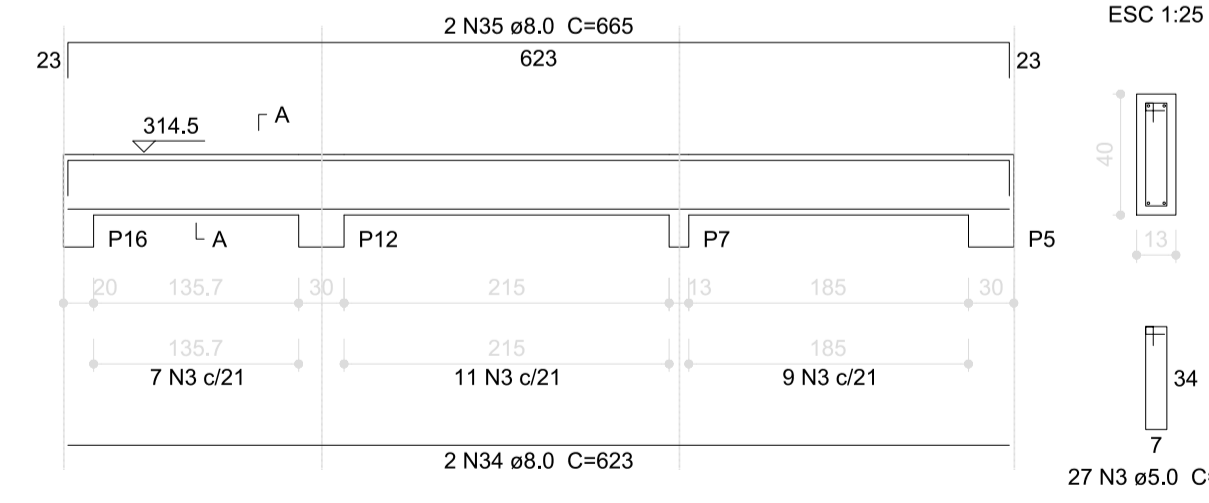
V9  
ESC 1:50



V10  
ESC 1:50



V11  
ESC 1:50



Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	395	74	29230
	2	5.0	4	310	1240
	3	5.0	77	94	7238
	4	5.0	2	258	516
	5	5.0	2	251	502
	6	5.0	2	240	480
	7	5.0	2	247	494
	8	8.0	4	1047	4188
	9	8.0	4	1090	4360
	10	8.0	7	527	3689
	11	8.0	2	169	338
	12	8.0	2	115	230
	13	8.0	1	135	135
	14	8.0	2	165	330
	15	8.0	1	134	134
	16	8.0	2	169	338
	17	8.0	1	133	133
	18	8.0	2	163	326
	19	8.0	2	120	240
	20	8.0	1	126	126
	21	8.0	2	1044	2088
	22	8.0	2	524	1048
	23	8.0	4	133	532
	24	8.0	2	200	400
	25	8.0	2	330	660
	26	8.0	2	335	670
	27	8.0	1	228	228
	28	8.0	6	467	2802
	29	8.0	2	638	1276
	30	8.0	1	145	145
	31	8.0	2	670	1340
	32	8.0	1	233	233
	33	8.0	2	499	998
	34	8.0	2	623	1246
	35	8.0	2	665	1330
	36	10.0	2	537	1074
	37	10.0	1	148	148
	38	10.0	2	528	1056

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	295.7	116.8
CA60	5.0	22.8	14.1
PESO TOTAL (kg)		397	61.1
CA50	130.9		
CA60	61.1		

Volume de concreto (C-25) = 3.32 m³  
Área de forma = 61,45 m²

1 VIGAS NÍVEL 298.5  
ESCALA: INDICADA

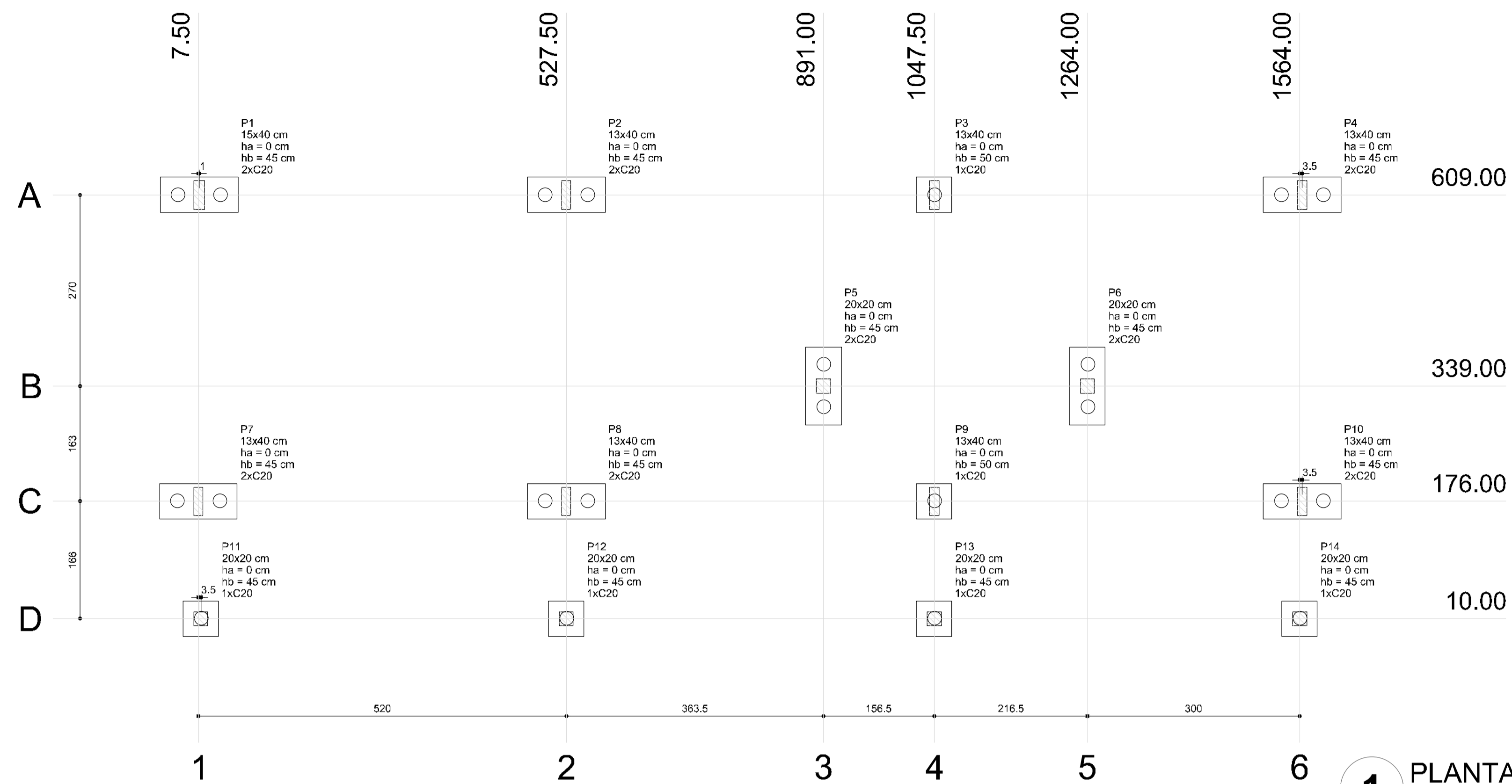


PREFEITURA MUNICIPAL DE  
**FEIRA DE SANTANA**

Secretaria Municipal de Planejamento  
DEPARTAMENTO URBANO

PROJETO  
**ESCOLA 6 SALAS DE AULA**  
**PROJETO ESTRUTURAL**

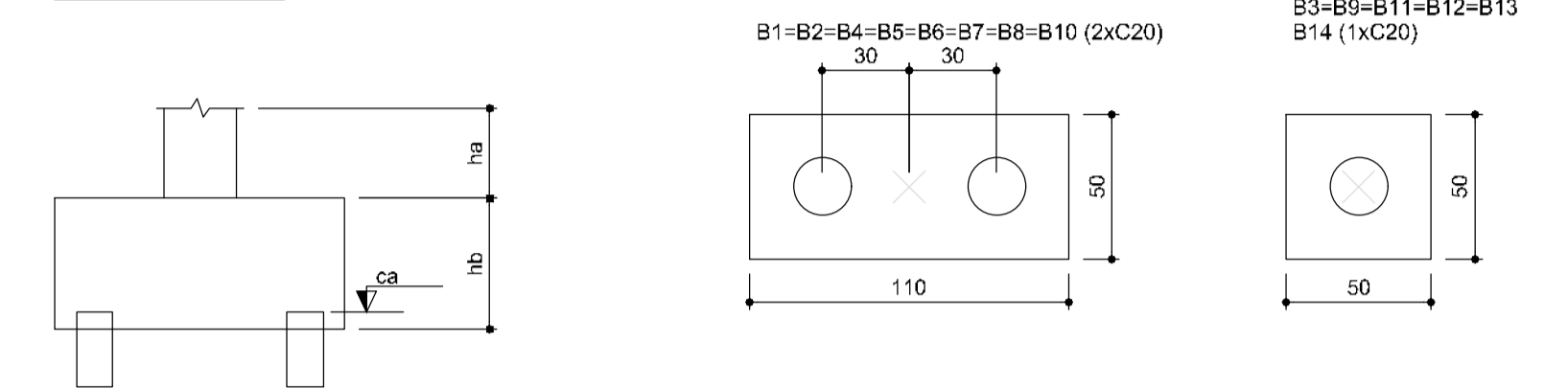
ENDEREÇO: Povoado Água Grande, Distrito de Maria Quitéria, Feira de Santana-Bahia  
FOLHA: 16/22  
VIGAS NÍVEL 298.5 (BLOCO DE SERVIÇO)  
DATA: MAI/2020  
REVISÃO: INDICADA  
00



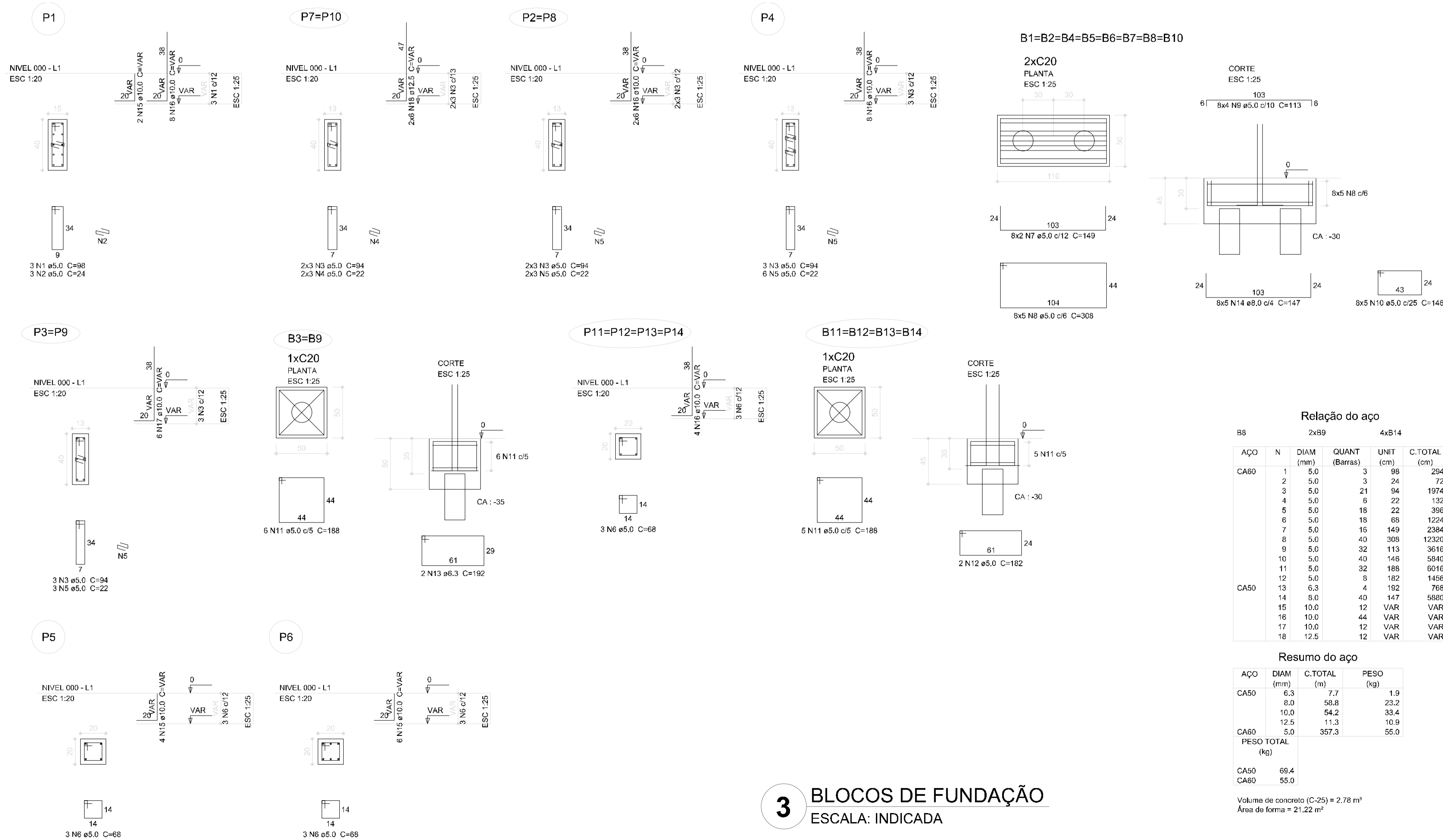
**1 PLANTA DE LOCAÇÃO**  
ESCALA 1/50

Nome	Seção (cm)	X (cm)	Y (cm)	Carga Máx. (kgf)	Carga Min. (kgf)	Fundação			Bloco			
						Lado B (cm)	Lado H (cm)	h0 / ha (cm)	h1 / hb (cm)	ne	Estaca	ca (cm)
P1	15x40	8.50	609.00	7400	7000	110	50	0	45	2	C20	-30
P2	13x40	527.50	609.00	13900	13200	110	50	0	45	2	C20	-30
P3	13x40	1047.50	609.00	13000	12200	50	50	0	50	1	C20	-35
P4	13x40	1567.50	609.00	6900	6500	110	50	0	45	2	C20	-30
P5	20x20	891.00	339.00	2100	2000	110	50	0	45	2	C20	-30
P6	20x20	1264.00	339.00	3000	2900	110	50	0	45	2	C20	-30
P7	13x40	7.50	176.00	8400	8000	110	50	0	45	2	C20	-30
P8	13x40	527.50	176.00	15300	14300	110	50	0	45	2	C20	-30
P9	13x40	1047.50	176.00	14200	13300	50	50	0	50	1	C20	-35
P10	13x40	1567.50	176.00	8000	7600	110	50	0	45	2	C20	-30
P11	20x20	11.00	10.00	3100	2900	50	50	0	45	1	C20	-30
P12	20x20	527.50	10.00	5900	5600	50	50	0	45	1	C20	-30
P13	20x20	1047.50	10.00	5900	5600	50	50	0	45	1	C20	-30
P14	20x20	1564.00	10.00	3000	2800	50	50	0	45	1	C20	-30

Escaladas	
Nome	Quantidade
C20	22



**2 LEGENDA DOS BLOCOS**  
ESCALA 1/25



**3 BLOCOS DE FUNDAÇÃO**  
ESCALA: INDICADA

**Relação do aço**

ACO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	3	98	294
CA60	2	5.0	3	24	72
CA60	3	5.0	21	94	1974
CA60	4	5.0	6	22	132
CA60	5	5.0	18	22	396
CA60	6	5.0	18	65	1224
CA60	7	5.0	16	149	2384
CA60	8	5.0	40	305	12200
CA60	9	5.0	32	113	3616
CA60	10	5.0	40	146	5840
CA60	11	5.0	32	188	6016
CA60	12	5.0	8	182	1456
CA50	13	6.3	4	192	768
CA50	14	8.0	40	147	5880
CA50	15	10.0	12	VAR	VAR
CA50	16	10.0	44	VAR	VAR
CA50	17	10.0	12	VAR	VAR
CA50	18	12.5	12	VAR	VAR

**Resumo do aço**

ACO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	6.3	7.7	1.9
CA50	8.0	58.8	23.2
CA50	10.0	54.2	33.4
CA50	12.5	11.3	10.9
CA60	5.0	357.3	55.0
PESO TOTAL (kg)			
CA50	66.4		
CA60	55.0		

Volume de concreto (C-25) = 2.78 m³  
Área de forma = 21.22 m²



**PREFEITURA MUNICIPAL DE FEIRA DE SANTANA**  
Secretaria Municipal de Planejamento  
DEPARTAMENTO URBANO

PROJETO: **ESCOLA 6 SALAS DE AULA PROJETO ESTRUTURAL**

ENDEREÇO: Povoado Água Grande, Distrito de Maria Quitéria, Feira de Santana-Bahia

LOCAÇÃO DA OBRA: BLOCOS DE FUNDAÇÃO (BLOCO ADMINISTRATIVO)

08/22

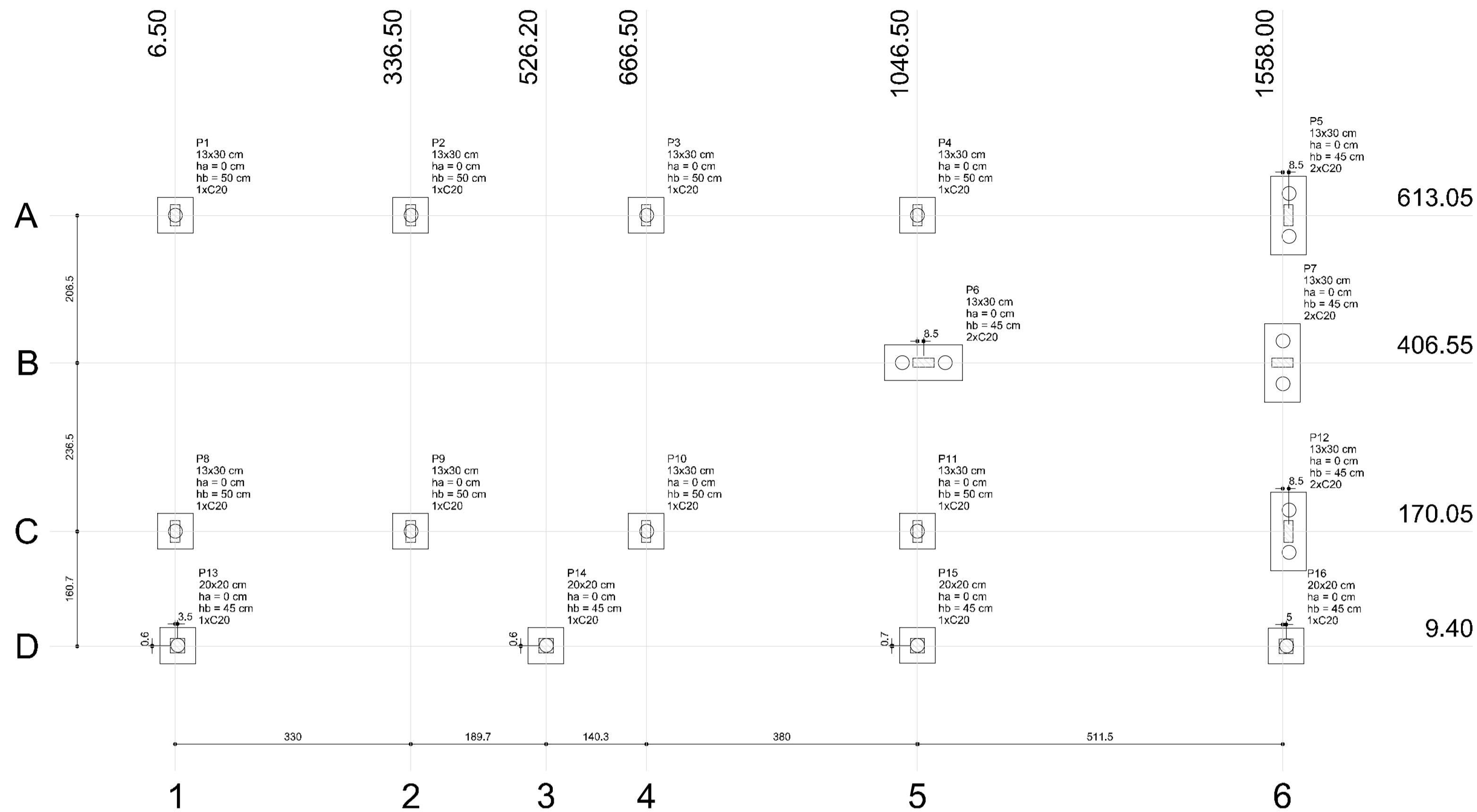
MAI/2020

INDICADA

00



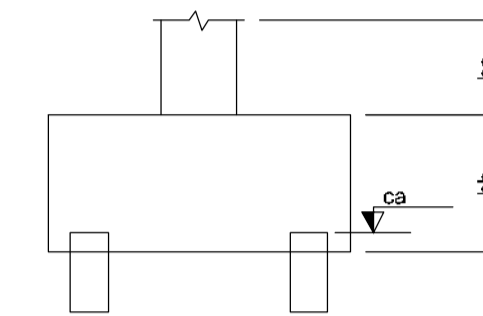




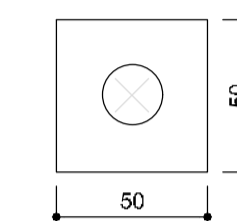
**1 PLANTA DE LOCAÇÃO**  
ESCALA 1/50

Nome	Seção (cm)	Pilar		Carga Max. (kgf)	Carga Min. (kgf)	Fundação		Bloco				
		X (cm)	Y (cm)			Lado B (cm)	Lado H (cm)	h1 / hb (cm)	ne	Estaca ca (cm)	Base tub. (cm)	
P1	13x30	6.50	613.05	4500	4300	50	50	0	50	1	C20	-19
P2	13x30	336.50	613.05	7200	6700	50	50	0	50	1	C20	-19
P3	13x30	666.50	613.05	7000	6600	50	50	0	50	1	C20	-19
P4	13x30	1046.50	613.05	7000	6600	50	50	0	50	1	C20	-19
P5	13x30	1558.00	613.05	4100	3900	110	50	0	45	2	C20	-14
P6	13x30	1055.00	406.55	6200	5600	110	50	0	45	2	C20	-14
P7	13x30	1558.00	406.55	5300	4900	110	50	0	45	2	C20	-14
P8	13x30	6.50	170.05	5700	5300	50	50	0	50	1	C20	-19
P9	13x30	336.50	170.05	7800	7200	50	50	0	50	1	C20	-19
P10	13x30	666.50	170.05	7600	7000	50	50	0	50	1	C20	-19
P11	13x30	1046.50	170.05	8900	8300	50	50	0	50	1	C20	-19
P12	13x30	1558.00	170.05	5400	5100	110	50	0	45	2	C20	-14
P13	20x20	10.00	10.00	2300	2200	50	50	0	45	1	C20	-14
P14	20x20	526.20	10.00	4400	4100	50	50	0	45	1	C20	-14
P15	20x20	1046.50	10.13	4900	4600	50	50	0	45	1	C20	-14
P16	20x20	1563.00	9.40	2700	2600	50	50	0	45	1	C20	-14

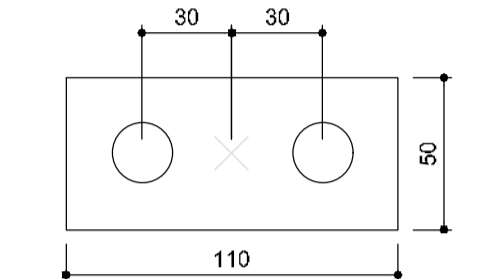
Estacas	
Nome	Quantidade
C20	20



B1=B2=B3=B4=B8=B9  
B10=B11=B13=B14  
B15=B16 (1xC20)

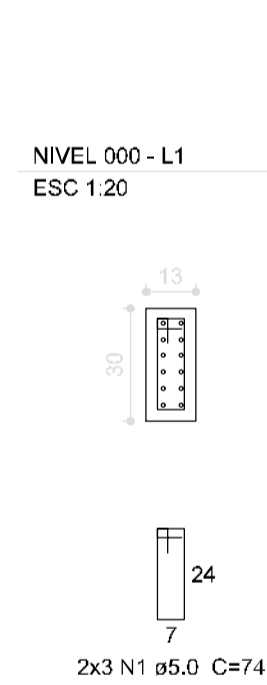


B5=B6=B7=B12 (2xC20)

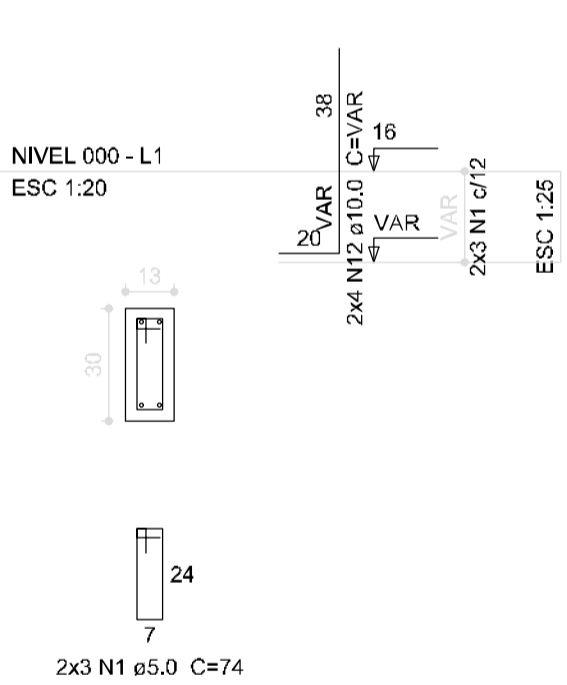


**2 LEGENDA DOS BLOCOS**  
ESCALA 1/25

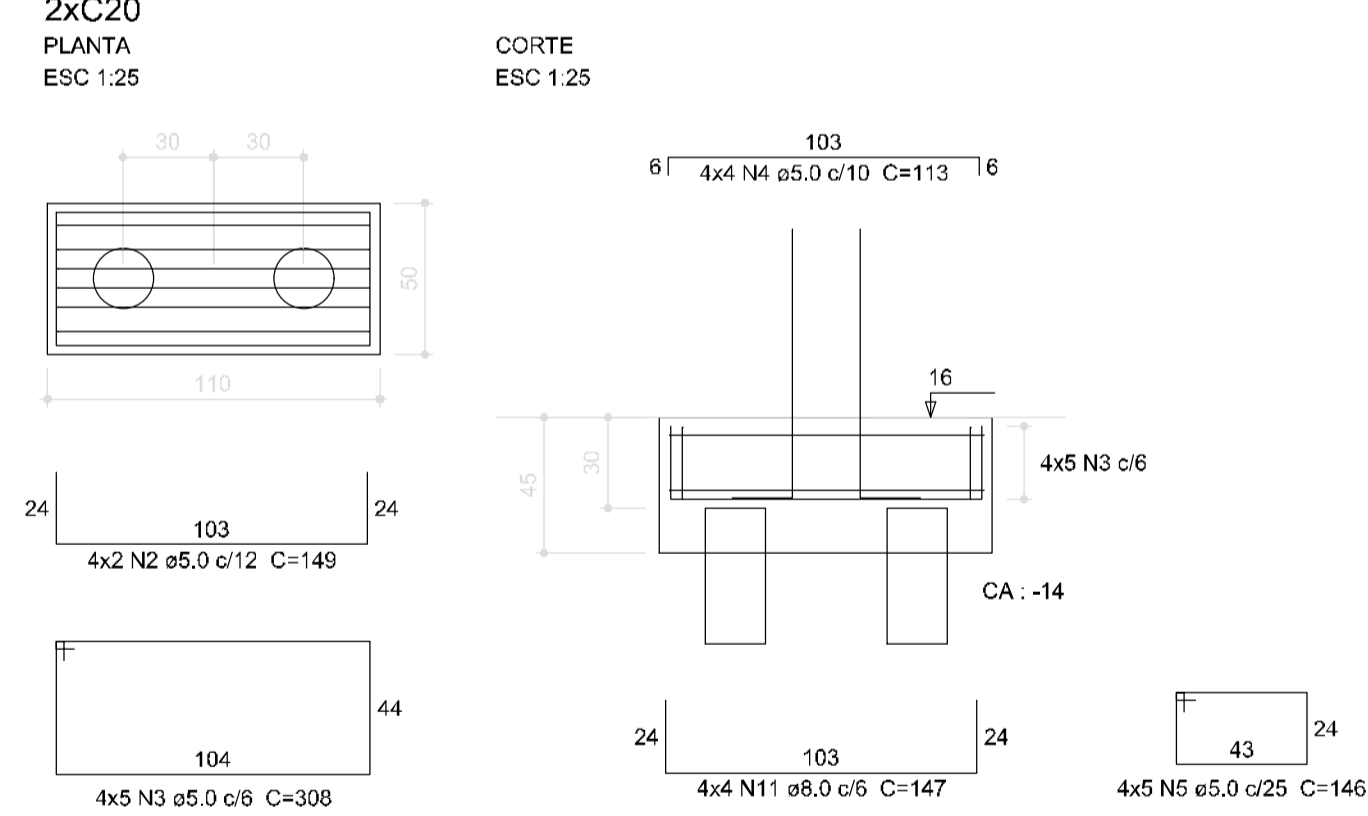
P5=P12



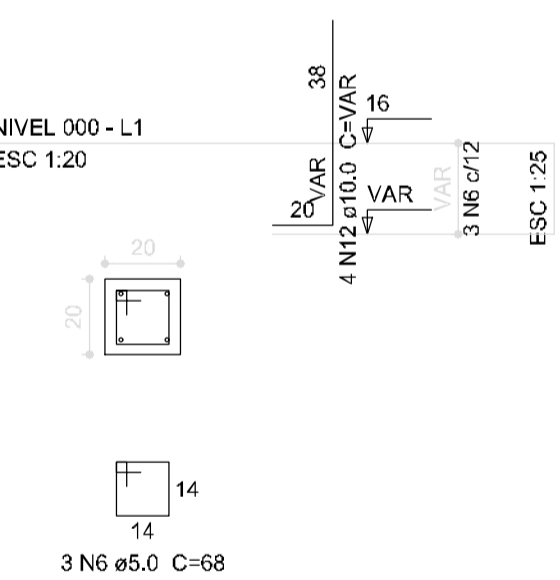
P6=P7



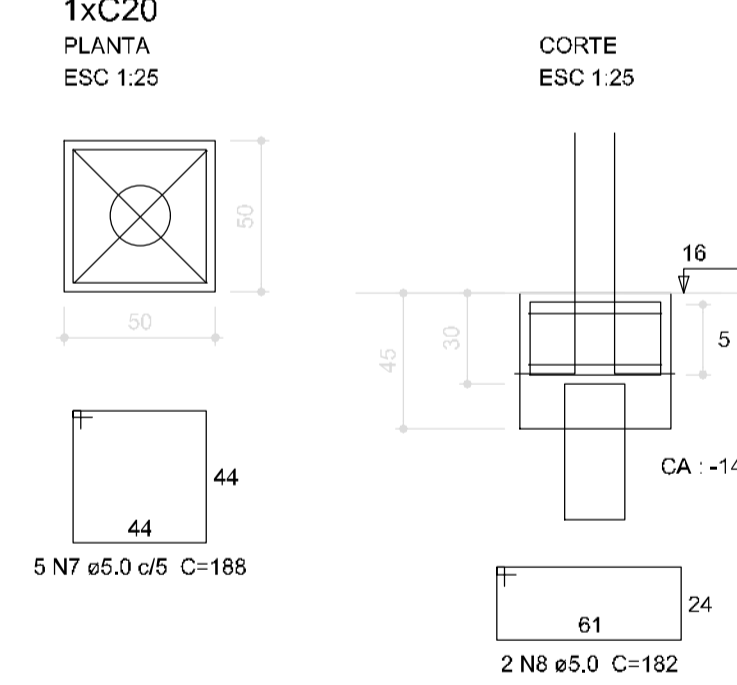
B5=B6=B7=B12



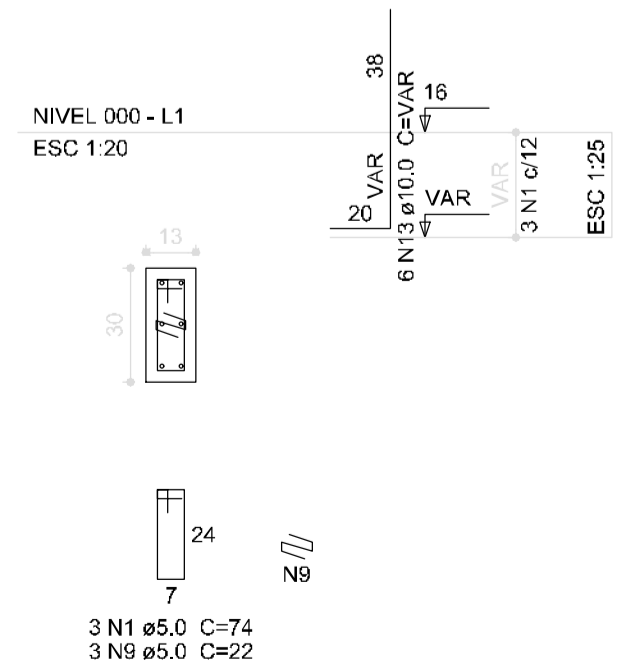
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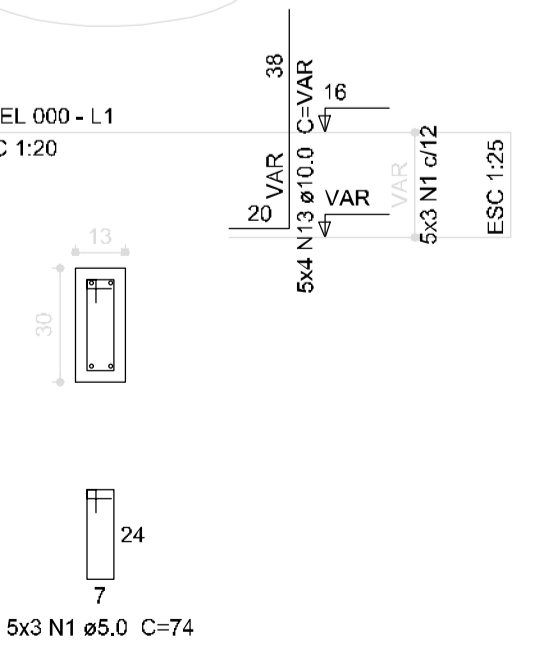
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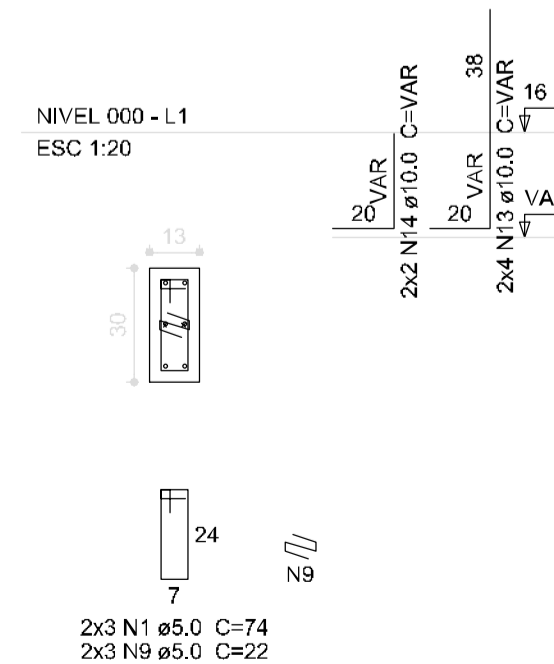
P3



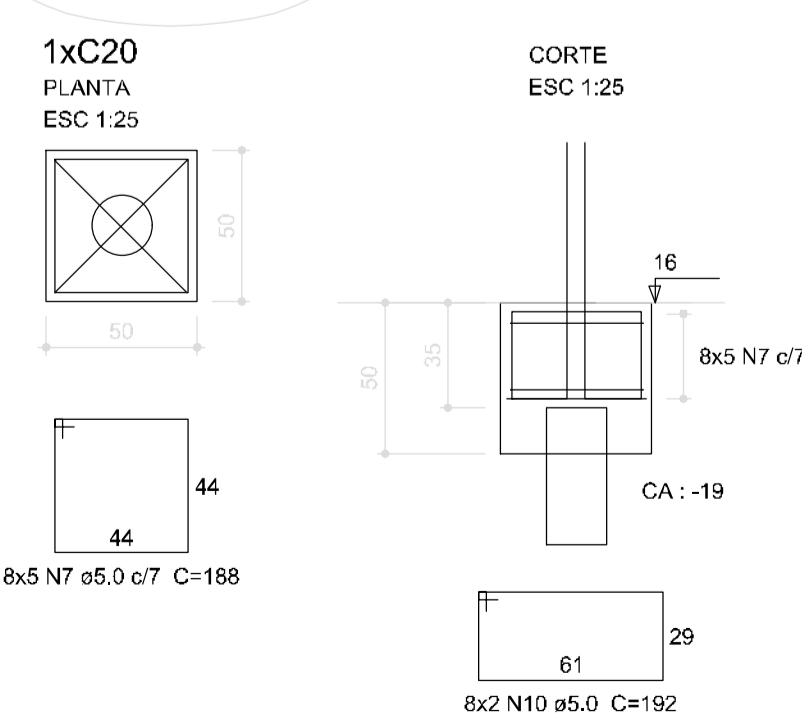
P1=P2=P8  
=P9=P10



P4=P11



B1=B2=B3=B4  
=B8=B9=B10=B11



Relação do aço

AÇO	N	DIAM (mm)	C.TOTAL (m)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	36	74	2664	
	2	5.0	8	149	1192	
	3	5.0	20	308	6160	
	4	5.0	16	113	1808	
	5	5.0	20	146	2920	
	6	5.0	12	68	816	
	7	5.0	60	188	11280	
	8	5.0	8	182	1456	
	9	5.0	9	22	198	
	10	5.0	16	192	3072	
	11	8.0	16	147	2352	
	12	10.0	24	VAR	VAR	
	13	10.0	34	VAR	VAR	
	14	10.0	4	VAR	VAR	
	15	12.5	24	VAR	VAR	

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	23.6	9.3
CA50	10.0	53.6	33.1
CA50	12.5	22.6	21.8
CA60	5.0	315.7	48.6
PESO TOTAL (kg)			
CA50	64.2		
CA60	48.6		

Volume do concreto (C-25) = 2,55 m³  
Área de forma = 21,76 m²



PREFEITURA MUNICIPAL DE  
**FEIRA DE SANTANA**

Secretaria Municipal de Planejamento  
**DEPARTAMENTO URBANO**

PROJETO: **ESCOLA 6 SALAS DE AULA**  
**PROJETO ESTRUTURAL**

ENDEREÇO: Povoação Água Grande, Distrito de Maria Quitéria, Feira de Santana-Bahia

TÍTULO: **LOCAÇÃO DA OBRA**  
**BLOCOS DE FUNDAÇÃO (BLOCO DE SERVIÇO)**

DATA: 05/05/2020  
MAY/2020

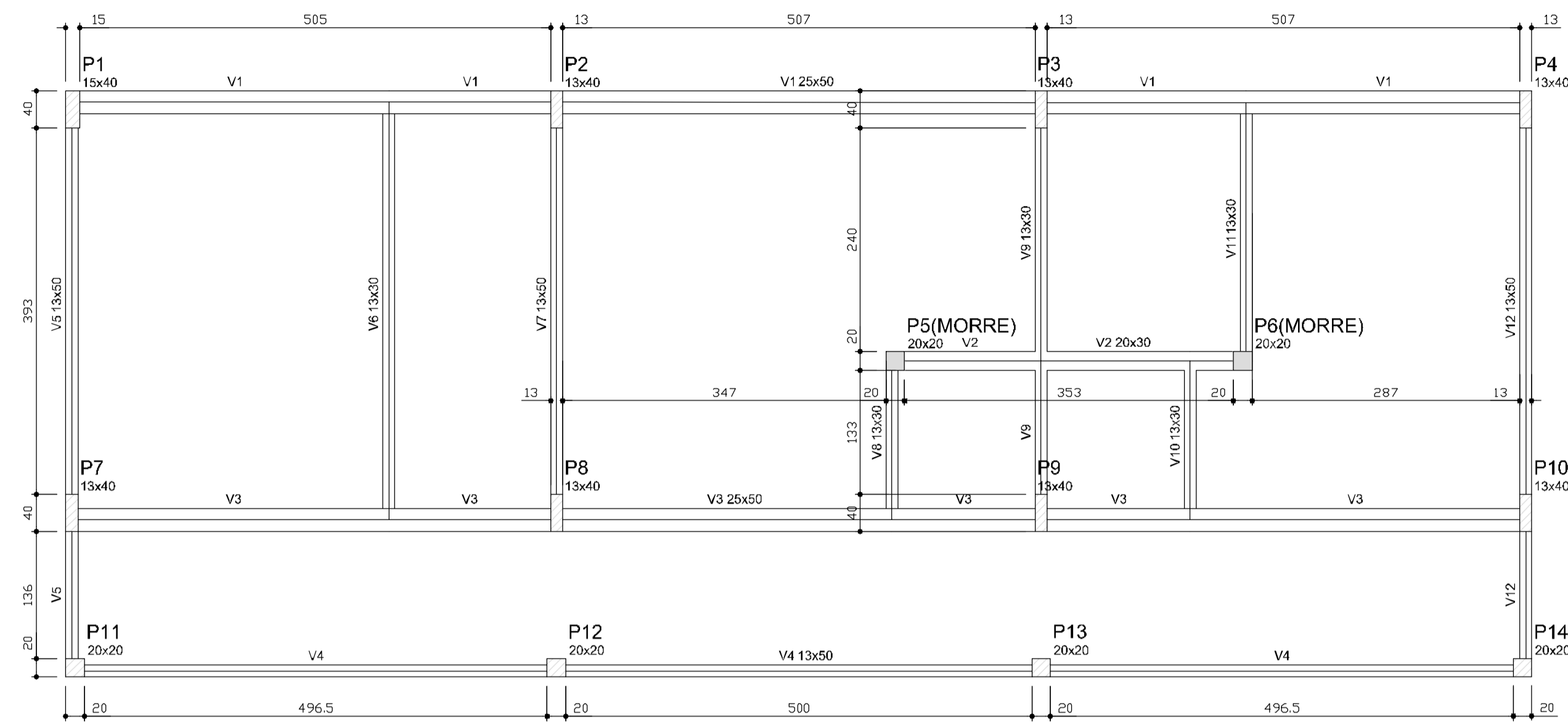
ARQUIVO: 6-FN-PLD-SER0-13-R02

INDICADA

FOLHA: **13/22**

INDICADA 00

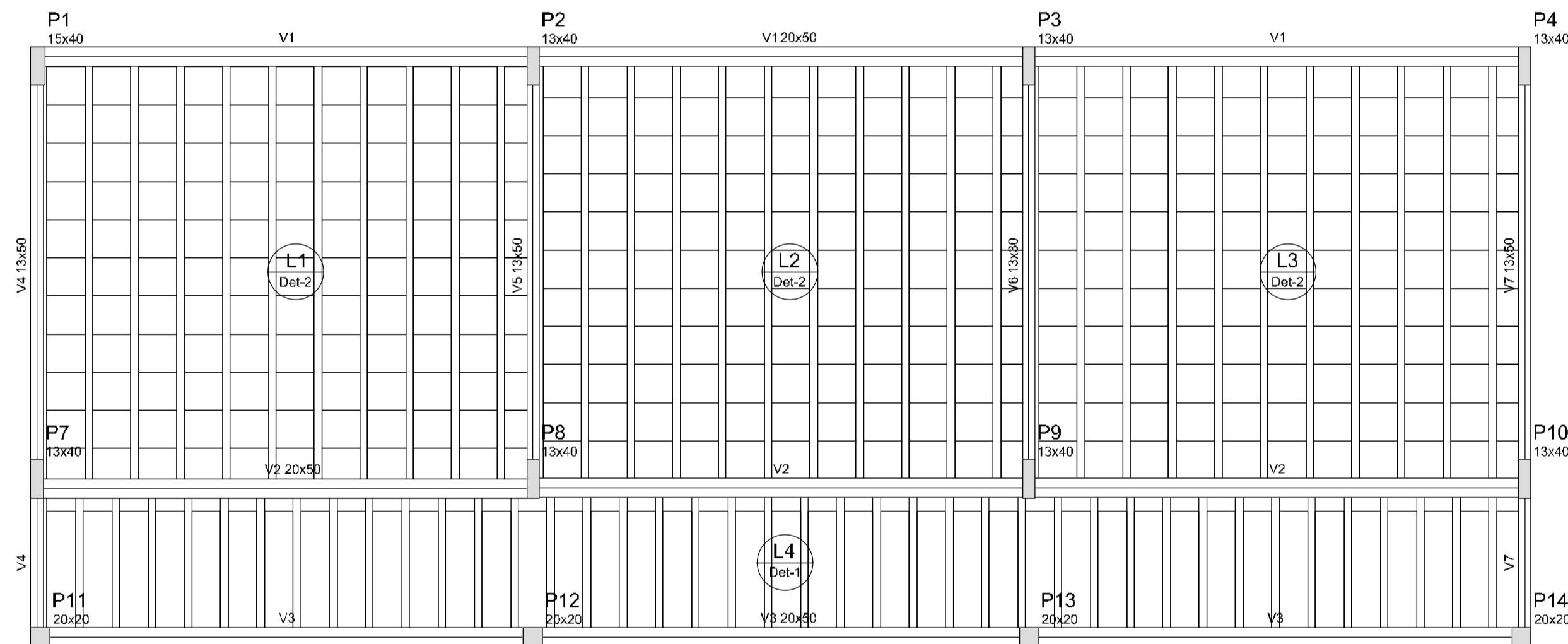
**3 BLOCOS DE FUNDAÇÃO**  
ESCALA: INDICADA



**1** FORMAS DO PAVIMENTO NÍVEL 000  
ESCALA 1/50

Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	25x50	0	0
V2	20x30	0	0
V3	25x50	0	0
V4	13x50	0	0
V5	13x50	0	0
V6	13x30	0	0
V7	13x50	0	0
V8	13x30	0	0
V9	13x30	0	0
V10	13x30	0	0
V11	13x30	0	0
V12	13x50	0	0

Características dos materiais	
f <sub>ck</sub> (kgf/cm <sup>2</sup> )	Ecs (kgf/cm <sup>2</sup> )
250	238000

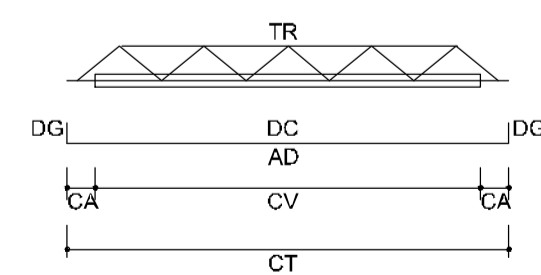


**2** FORMAS DO PAVIMENTO NÍVEL 298.5  
ESCALA 1/50

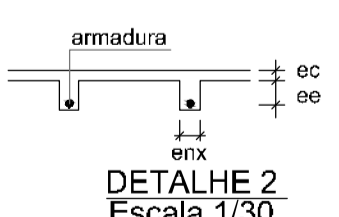
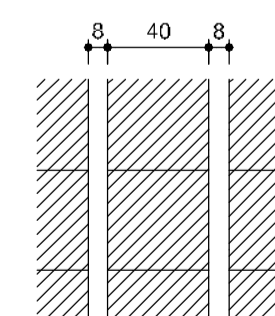
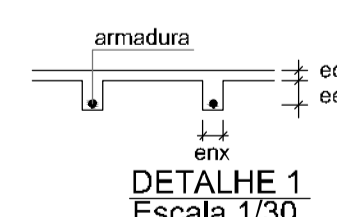
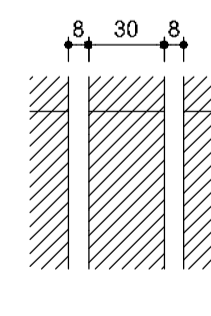
Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	20x50	0	298.5
V2	20x50	0	298.5
V3	20x50	0	298.5
V4	13x50	0	298.5
V5	13x50	0	298.5
V6	13x30	0	298.5
V7	13x50	0	298.5

Características dos materiais	
f <sub>ck</sub> (kgf/cm <sup>2</sup> )	Ecs (kgf/cm <sup>2</sup> )
250	238000

Blocos de enchimento						
Data	Tipo	Nome	Dimensões (cm)			Quantidade
			hb	bx	by	
1	EPS Unidirecional	88/30/125	8	30	125	41
2	EPS Unidirecional	812/40/40	12	40	40	363



LEGENDA	
CV:	comprimento da vigota
CA:	comprimento adicional da treliça
TR:	tipo de treliça
CT:	comprimento total da treliça
AD:	armadura adicional
DC:	comprimento da armadura adicional
DG:	gancho da armadura adicional



Vigota pré-moldada								
Laje	Vigota	Quant.	Compr. (cm)	Compr. adic. (cm)	Armadura	Armadura adicional		
						ec (cm)	enx (cm)	ee (cm)
L1	VP1	10	443	3	10/10.0 c/N	4	8	12
L2	VP2	10	443	3	10/10.0 c/N	4	8	12
L3	VP3	10	442	3	10/10.0 c/N	4	8	12
L4	VP4	40	146	3	10/10.0 c/N	4	8	8

ec: espessura capeamento de concreto fck  
enx: largura da nervura  
ee: espessura do enchimento



PREFEITURA MUNICIPAL DE  
**FEIRA DE SANTANA**

Secretaria Municipal de Planejamento  
DEPARTAMENTO URBANO

PROJETO  
**ESCOLA 6 SALAS DE AULA**  
**PROJETO ESTRUTURAL**

ENDEREÇO: Povoado Água Grande, Distrito de Maria Quitéria, Feira de Santana-Bahia

TÍTULO: FORMAS DOS PAVIMENTOS NÍVEIS 000 E 298.5 (BLOCO ADMINISTRATIVO)

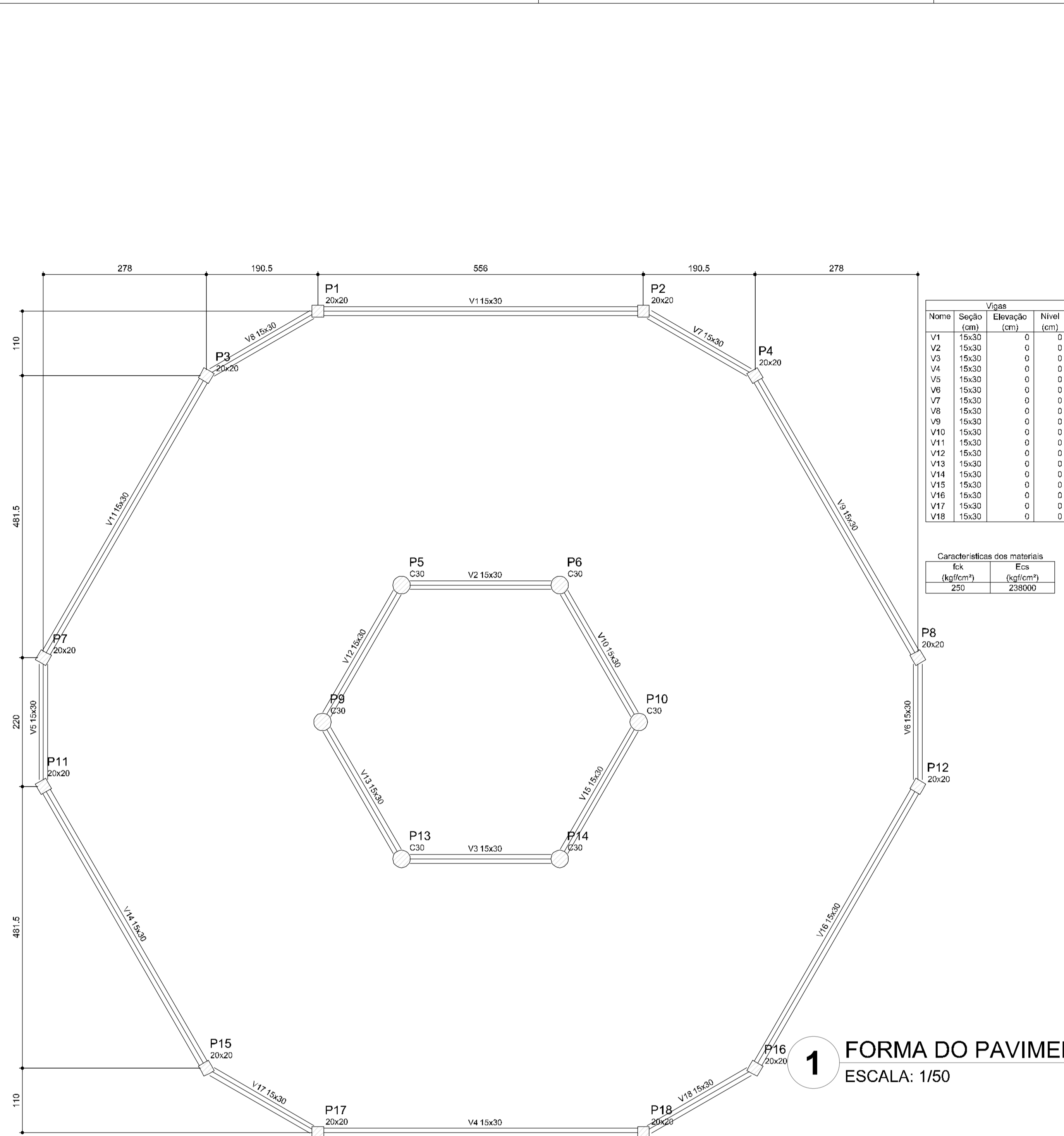
DATA: MAI/2020

PROJETO: 6-SCF-PLB-ADM-09\_R02

ESCALA: INDICADA

FOLHA: **09/22**

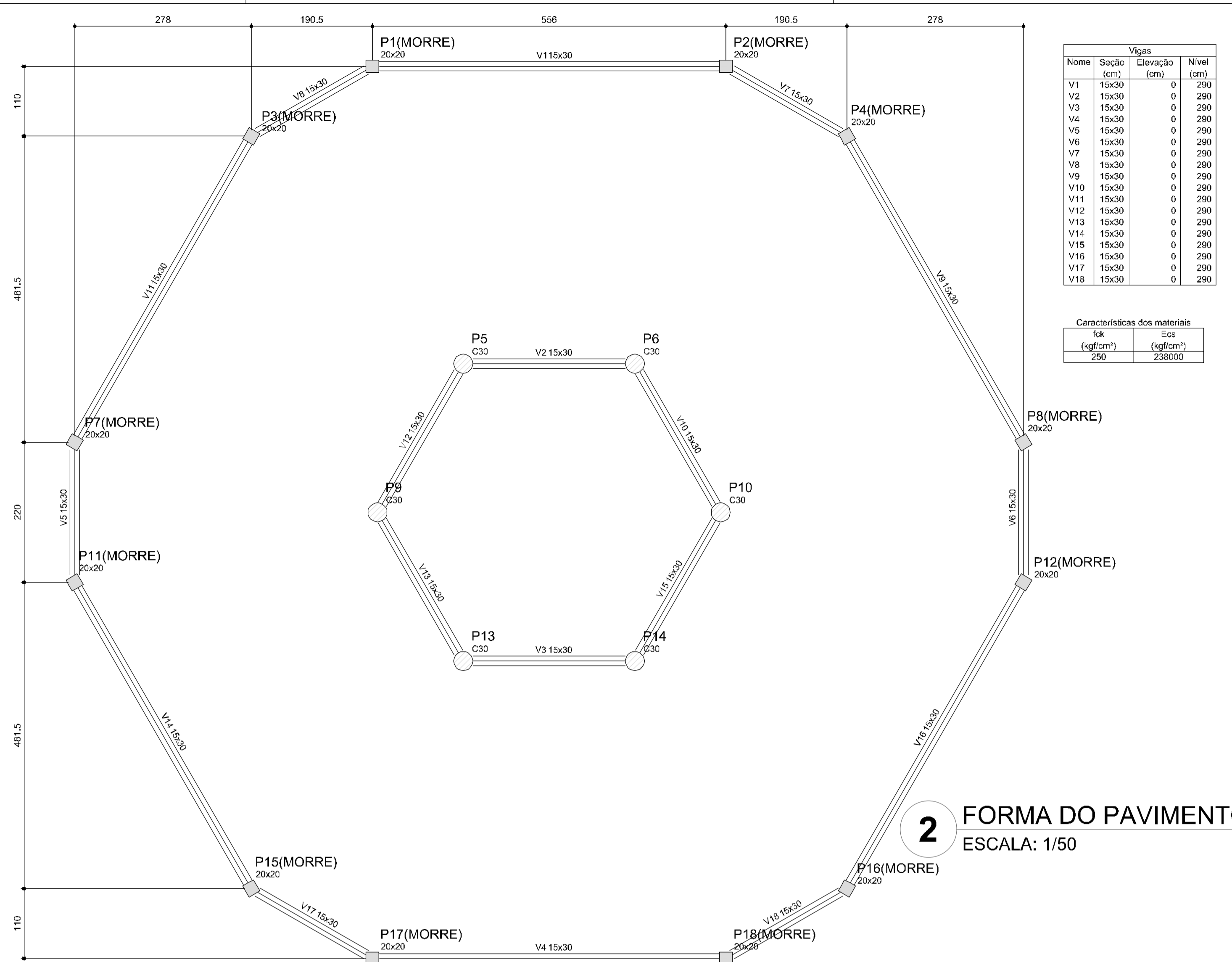
REVISÃO: 00



Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x30	0	0
V2	15x30	0	0
V3	15x30	0	0
V4	15x30	0	0
V5	15x30	0	0
V6	15x30	0	0
V7	15x30	0	0
V8	15x30	0	0
V9	15x30	0	0
V10	15x30	0	0
V11	15x30	0	0
V12	15x30	0	0
V13	15x30	0	0
V14	15x30	0	0
V15	15x30	0	0
V16	15x30	0	0
V17	15x30	0	0
V18	15x30	0	0

Características dos materiais		
fck (kgf/cm²)	Ecs (kgf/cm²)	
250	238000	

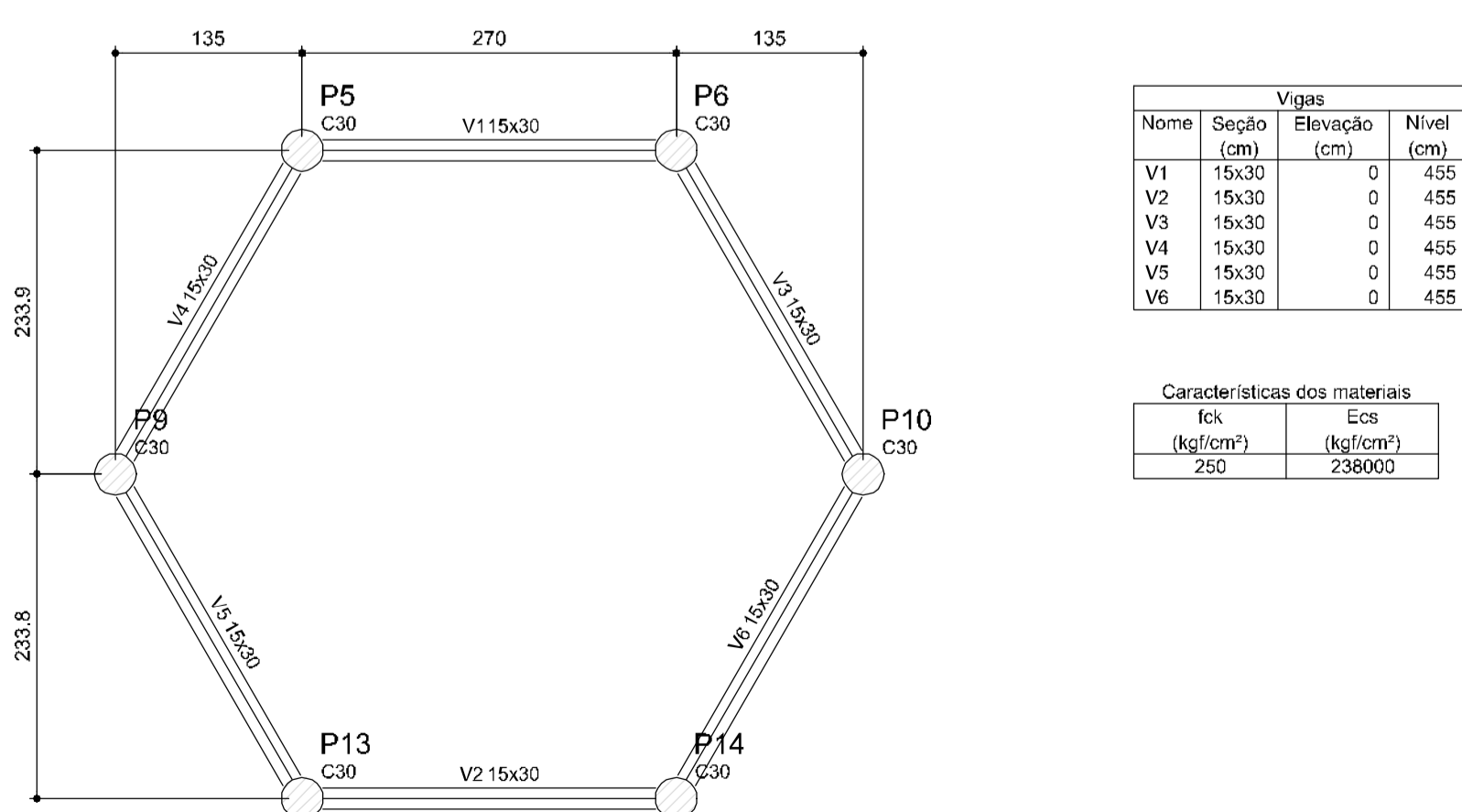
**1** FORMA DO PAVIMENTO NÍVEL 000  
ESCALA: 1/50



Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x30	0	290
V2	15x30	0	290
V3	15x30	0	290
V4	15x30	0	290
V5	15x30	0	290
V6	15x30	0	290
V7	15x30	0	290
V8	15x30	0	290
V9	15x30	0	290
V10	15x30	0	290
V11	15x30	0	290
V12	15x30	0	290
V13	15x30	0	290
V14	15x30	0	290
V15	15x30	0	290
V16	15x30	0	290
V17	15x30	0	290
V18	15x30	0	290

Características dos materiais		
fck (kgf/cm²)	Ecs (kgf/cm²)	
250	238000	

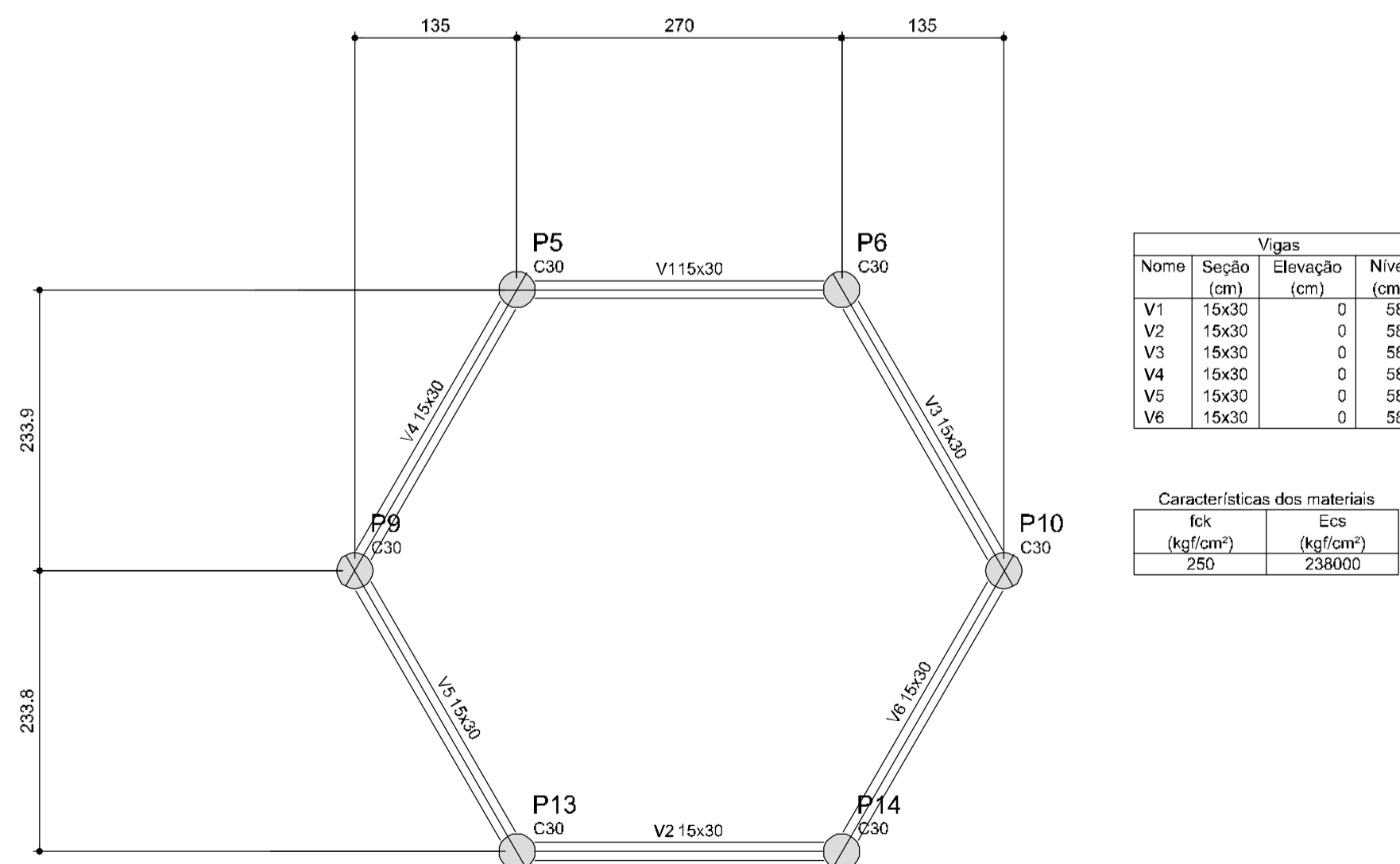
**2** FORMA DO PAVIMENTO NÍVEL 290  
ESCALA: 1/50



Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x30	0	455
V2	15x30	0	455
V3	15x30	0	455
V4	15x30	0	455
V5	15x30	0	455
V6	15x30	0	455

Características dos materiais		
fck (kgf/cm²)	Ecs (kgf/cm²)	
250	238000	

**3** FORMA DO PAVIMENTO NÍVEL 455  
ESCALA: 1/50



Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x30	0	587
V2	15x30	0	587
V3	15x30	0	587
V4	15x30	0	587
V5	15x30	0	587
V6	15x30	0	587

Características dos materiais		
fck (kgf/cm²)	Ecs (kgf/cm²)	
250	238000	

**4** FORMA DO PAVIMENTO NÍVEL 587  
ESCALA: 1/50



PREFEITURA MUNICIPAL DE  
**FEIRA DE SANTANA**

Secretaria Municipal de Planejamento  
DEPARTAMENTO URBANO

PROJETO: **ESCOLA 6 SALAS DE AULA**  
**PROJETO ESTRUTURAL**

ENDEREÇO: Povoado Água Grande, Distrito de Maria Quitéria, Feira de Santana-Bahia

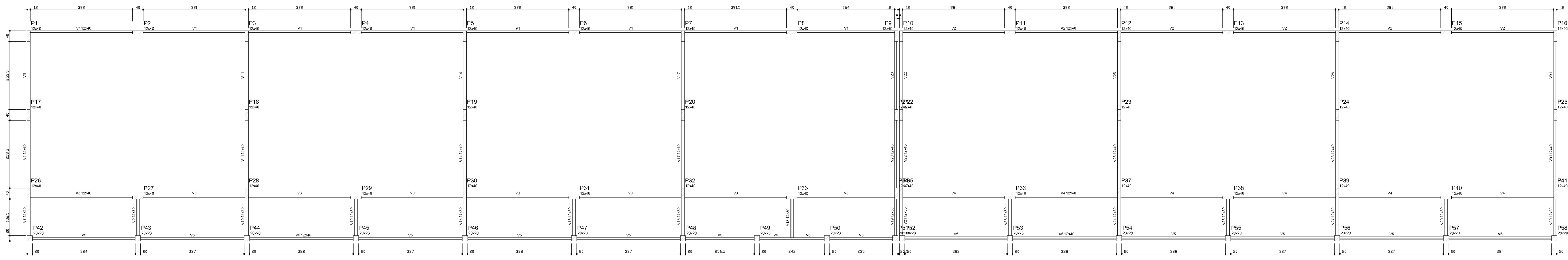
TÍTULO: FORMAS DOS PAVIMENTOS  
NÍVEIS 000; 290; 455 E 587 (PÁTIO COBERTO)

DATA: MAI/2020

PROJETO: 6-SCF-PLD-PACO-19\_R02

ESCALA: INDICADA

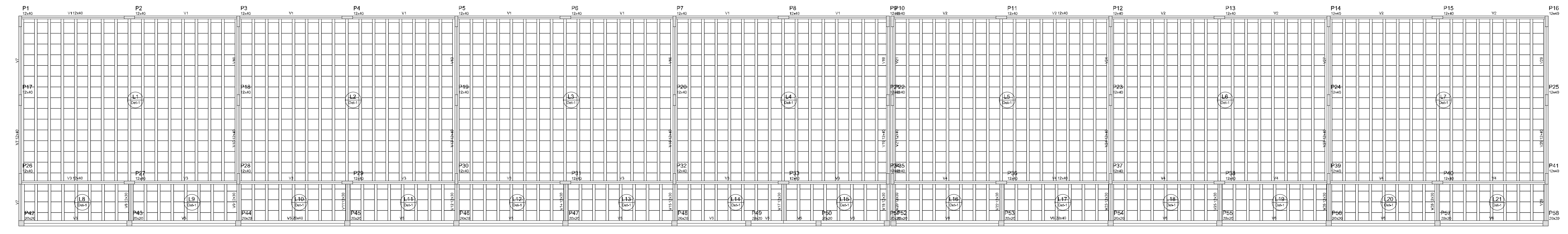
FOLHA: **19/22**



**1 FORMAS DO PAVIMENTO NÍVEL 000**  
ESCALA 1/75

Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	12x40	0	0
V2	12x40	0	0
V3	12x40	0	0
V4	12x40	0	0
V5	12x40	0	0
V6	12x40	0	0
V7	12x30	0	0
V8	12x40	0	0
V9	12x30	0	0
V10	12x30	0	0
V11	12x40	0	0
V12	12x30	0	0
V13	12x30	0	0
V14	12x40	0	0
V15	12x30	0	0
V16	12x30	0	0
V17	12x40	0	0
V18	12x30	0	0
V19	12x30	0	0
V20	12x40	0	0
V21	12x30	0	0
V22	12x40	0	0
V23	12x30	0	0
V24	12x30	0	0
V25	12x40	0	0
V26	12x40	0	0
V27	12x30	0	0
V28	12x40	0	0
V29	12x30	0	0
V30	12x30	0	0
V31	12x40	0	0

Características das materiais			
fck	Ecs	(kgf/cm²)	(kgf/cm²)
250	238000		

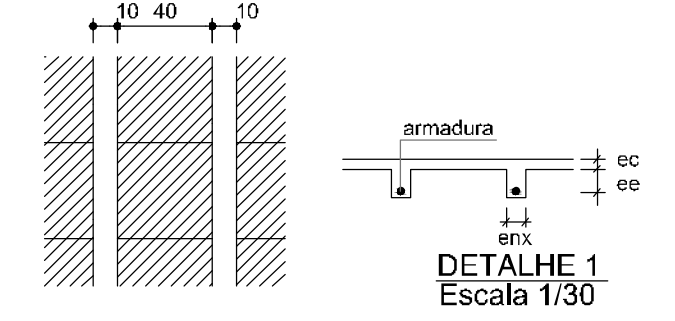
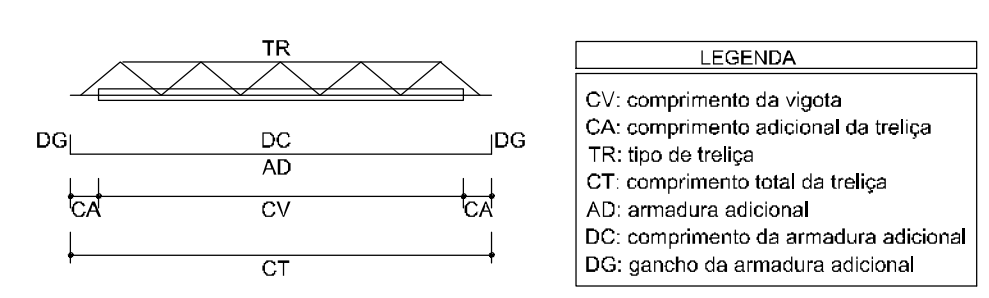


**2 FORMAS DO PAVIMENTO NÍVEL 298.5**  
ESCALA 1/75

Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	12x40	0	298.5
V2	12x40	0	298.5
V3	12x40	0	298.5
V4	12x40	0	298.5
V5	20x40	0	298.5
V6	20x40	0	298.5
V7	12x40	0	298.5
V8	12x30	0	298.5
V9	12x30	0	298.5
V10	12x40	0	298.5
V11	12x30	0	298.5
V12	12x30	0	298.5
V13	12x40	0	298.5
V14	12x30	0	298.5
V15	12x30	0	298.5
V16	12x40	0	298.5
V17	12x30	0	298.5
V18	12x30	0	298.5
V19	12x40	0	298.5
V20	12x30	0	298.5
V21	12x40	0	298.5
V22	12x30	0	298.5
V23	12x30	0	298.5
V24	12x40	0	298.5
V25	12x30	0	298.5
V26	12x30	0	298.5
V27	12x40	0	298.5
V28	12x30	0	298.5
V29	12x40	0	298.5

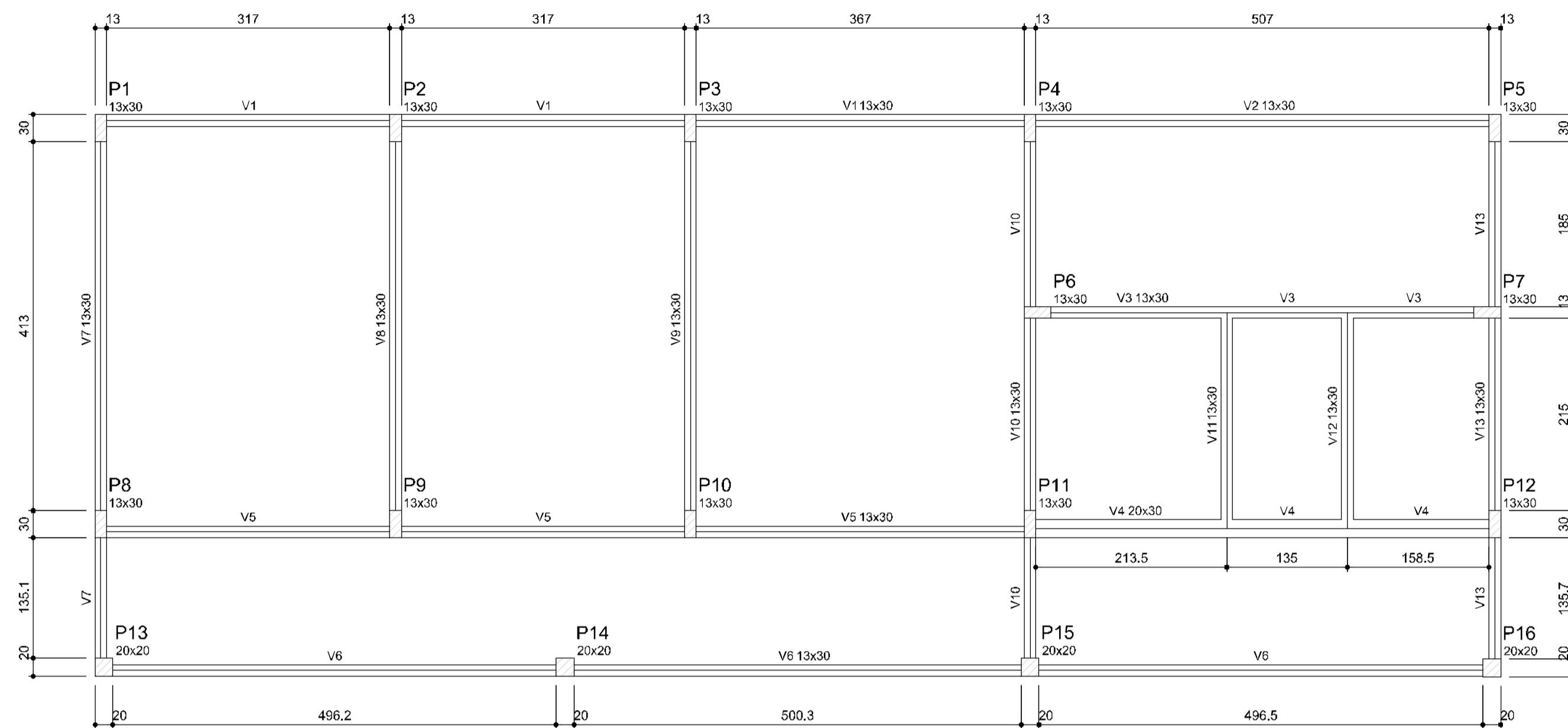
Características das materiais			
fck	Ecs	(kgf/cm²)	(kgf/cm²)
250	238000		

Blocos de enchimento				
Detalhe	Tipo	Nome	Dimensões (cm)	Quantidade
1	EPS Unidirecional	B104040	10 40 40	2128



Vigotas pré-moldadas						
Laje	Vigota	Quant.	Compr. (cm)	Compr. adic. (cm)	Armadura adicional ec (cm)	ec (cm)
L1	VP1	15	613	3	2x10x10.0.c/n	5 10 10
L2	VP2	15	613	3	2x10x10.0.c/n	5 10 10
L3	VP3	15	613	3	2x10x10.0.c/n	5 10 10
L4	VP4	15	613	3	2x10x10.0.c/n	5 10 10
L5	VP5	15	613	3	2x10x10.0.c/n	5 10 10
L6	VP6	15	613	3	2x10x10.0.c/n	5 10 10
L7	VP7	15	613	3	2x10x10.0.c/n	5 10 10
L8	VP8	7	145	3	10x8.0.c/n	5 10 10
L9	VP9	7	145	3	10x8.0.c/n	5 10 10
L10	VP10	7	145	3	10x8.0.c/n	5 10 10
L11	VP11	7	145	3	10x8.0.c/n	5 10 10
L12	VP12	7	145	3	10x8.0.c/n	5 10 10
L13	VP13	7	145	3	10x8.0.c/n	5 10 10
L14	VP14	7	145	3	10x8.0.c/n	5 10 10
L15	VP15	7	145	3	10x8.0.c/n	5 10 10
L16	VP16	7	145	3	10x8.0.c/n	5 10 10
L17	VP17	7	145	3	10x8.0.c/n	5 10 10
L18	VP18	7	145	3	10x8.0.c/n	5 10 10
L19	VP19	7	145	3	10x8.0.c/n	5 10 10
L20	VP20	7	145	3	10x8.0.c/n	5 10 10
L21	VP21	7	145	3	10x8.0.c/n	5 10 10

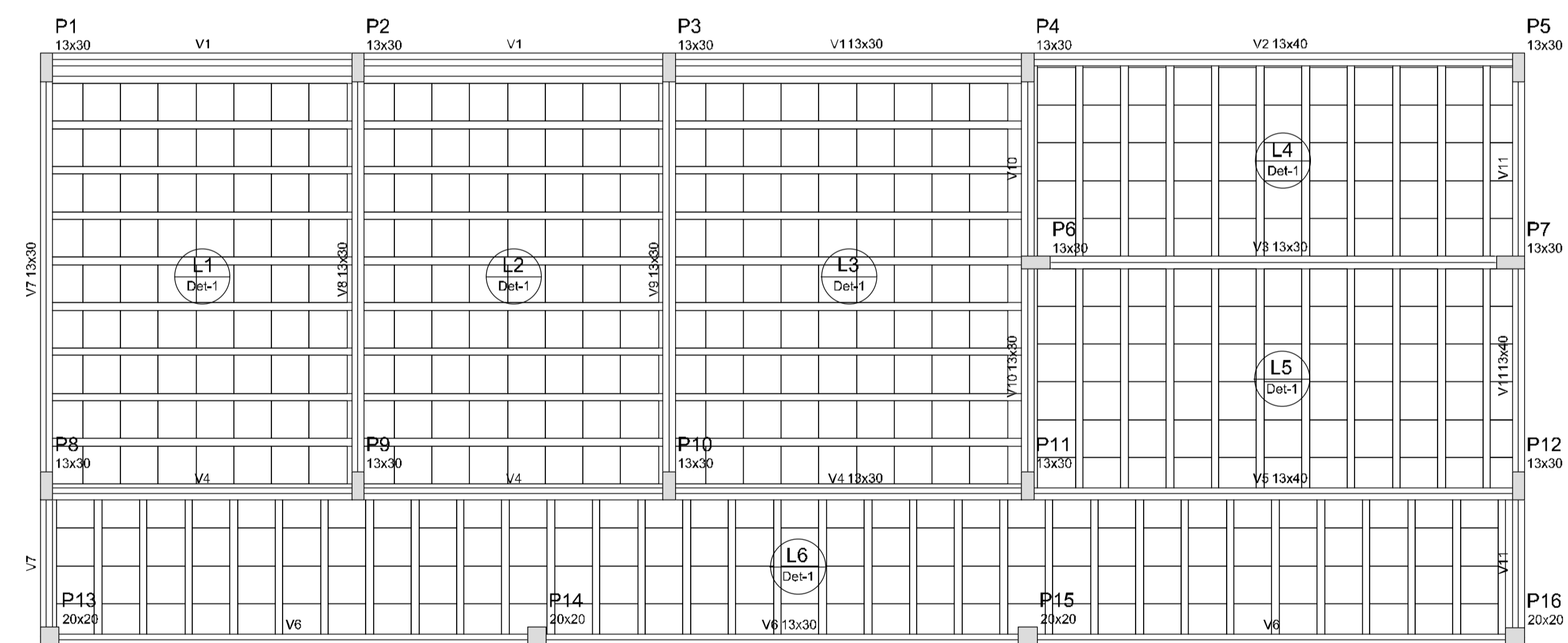

**PREFEITURA MUNICIPAL DE FEIRA DE SANTANA**  
 Secretaria Municipal de Planejamento  
 DEPARTAMENTO URBANO  
 ESCOLA 6 SALAS DE AULA  
**PROJETO ESTRUTURAL**  
 FORMAS DOS PAVIMENTOS  
 NÍVEIS 000 E 298.5 (BLOCO PEDAGÓGICO)  
 02/22



Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	13x30	0	16
V2	13x30	0	16
V3	13x30	0	16
V4	20x30	0	16
V5	13x30	0	16
V6	13x30	0	16
V7	13x30	0	16
V8	13x30	0	16
V9	13x30	0	16
V10	13x30	0	16
V11	13x30	0	16
V12	13x30	0	16
V13	13x30	0	16

Características dos materiais		
fck	Ecs	
250	238000	

**2** FORMA DO PAVIMENTO NÍVEL 000  
ESCALA: 1/50

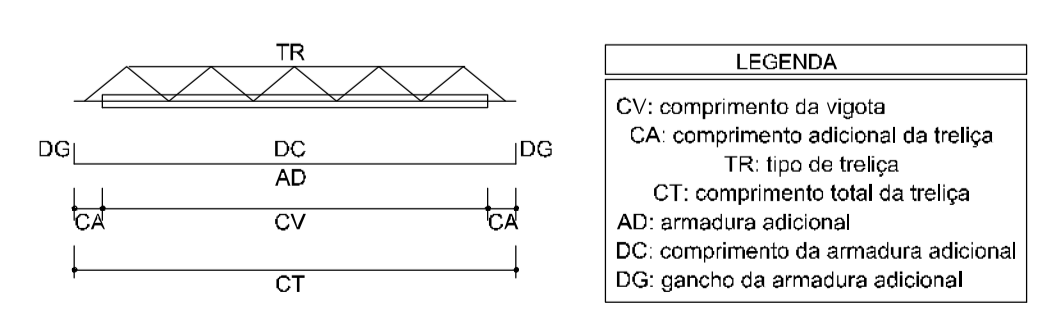


Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	13x30	0	314,5
V2	13x40	0	314,5
V3	13x30	0	314,5
V4	13x30	0	314,5
V5	13x40	0	314,5
V6	13x30	0	314,5
V7	13x30	0	314,5
V8	13x30	0	314,5
V9	13x30	0	314,5
V10	13x30	0	314,5
V11	13x40	0	314,5

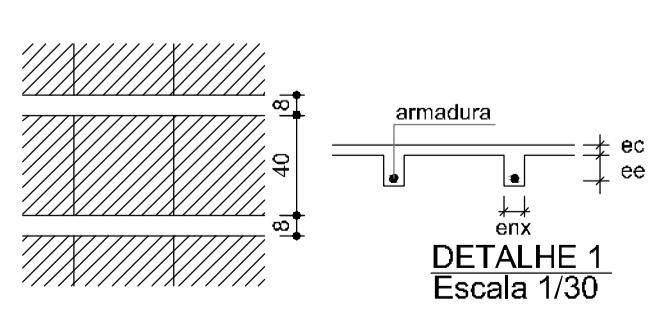
Características dos materiais		
fck	Ecs	
250	238000	

Blocos de enchimento				
Detalhe	Tipo	Nome	Dimensões (cm)	Quantidade
			hb px by	
1	EPS Unidirecional	B12/40/40	12 40 40	474

**2** FORMA DO PAVIMENTO NÍVEL 298.5  
ESCALA: 1/50



LEGENDA	
CV:	comprimento da vigota
CA:	comprimento adicional da treliça
TR:	tipo de treliça
CT:	comprimento total da treliça
AD:	armadura adicional
DC:	comprimento da armadura adicional
DG:	gancho da armadura adicional



Vigota pré-moldada						
Laje	Vigota	Quant.	Compr. (cm)	Compr. adic.(cm)	Armadura ec (cm)	enx (cm) ee (cm)
L1	VP1	9	327	3	108,0 c/N	4 8 12
L2	VP2	9	327	3	108,0 c/N	4 8 12
L3	VP3	9	377	3	108,0 c/N	4 8 12
L4	VP4	10	212	3	108,0 c/N	4 8 12
L5	VP5	10	242	3	108,0 c/N	4 8 12
L6	VP6	32	152	3	108,0 c/N	4 8 12

ec: espessura capeamento de concreto fck  
enx: largura da nervura  
ee: espessura do enchimento



**PREFEITURA MUNICIPAL DE FEIRA DE SANTANA**  
Secretaria Municipal de Planejamento  
DEPARTAMENTO URBANO

**ESCOLA 6 SALAS DE AULA PROJETO ESTRUTURAL**

PROJETO: Povoado Água Grande, Distrito de Maria Quitéria, Feira de Santana-Bahia  
FORMAS DOS PAVIMENTOS NÍVEIS 000 E 298.5 (BLOCO DE SERVIÇO)  
DATA: MAI/2020