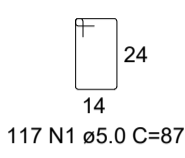
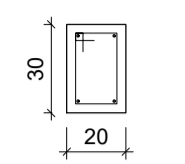
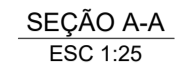
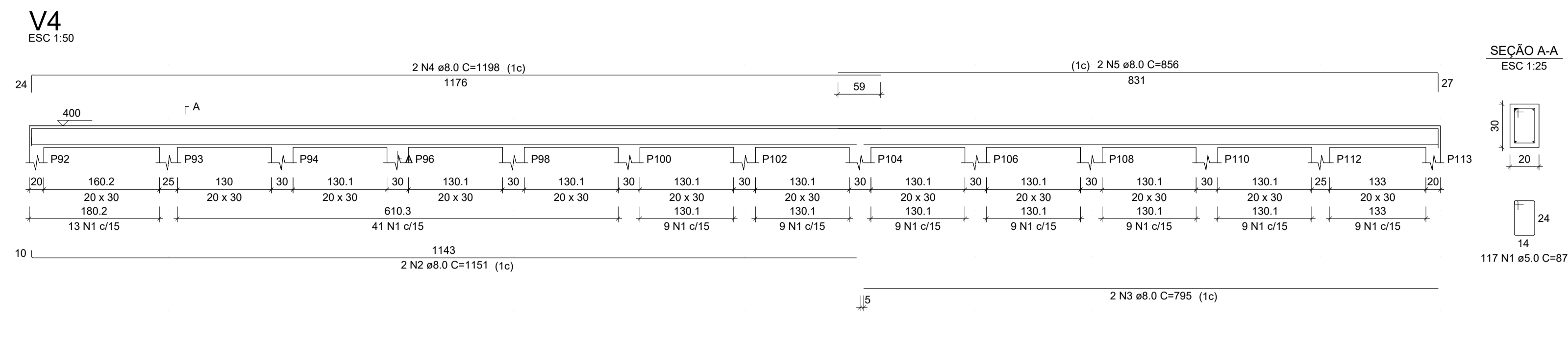


TRECHO 12
PILARES 92 A 113



RELAÇÃO DO AÇO

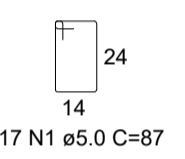
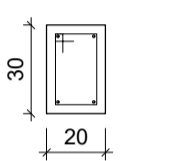
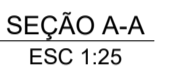
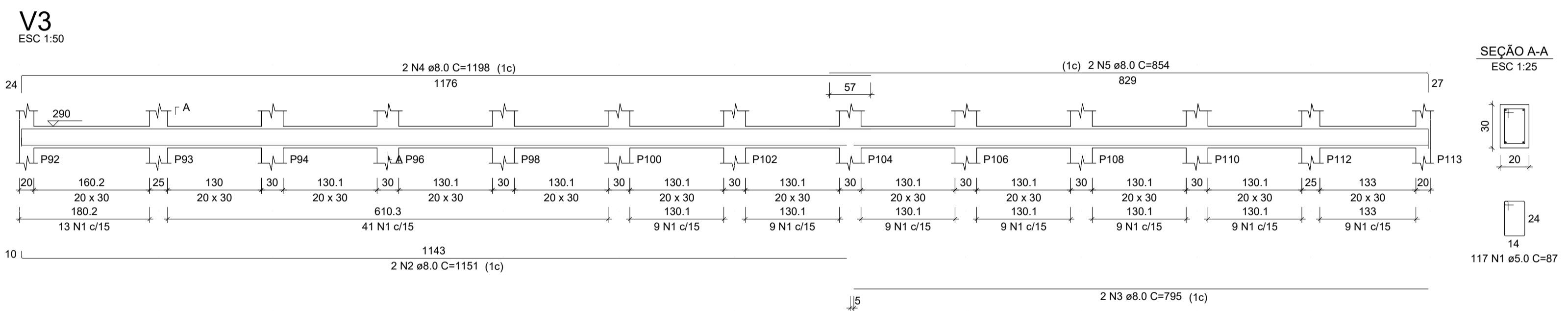
V4

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	117	87	10179
CA50	2	8.0	2	1151	2302
	3	8.0	2	795	1590
	4	8.0	2	1198	2396
	5	8.0	2	856	1711

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	80	34.7
CA60	5.0	101.8	17.3
PESO TOTAL (kg)			
CA50	34.7		
CA60	17.3		

Volume de concreto (C-25) = 0.96 m³
Área de forma = 2.35 m²

OBSERVAÇÃO	
1	O CONCRETO PARA ESTACAS, TUBULÕES, VIGAS E PILARES DEVERÁ SER DE 25MPa.
2	O CONCRETO PARA PREENCHER OS BLOCOS DEVERÁ SER DE 20MPa.



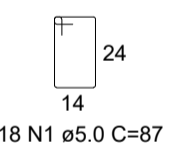
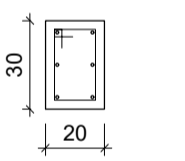
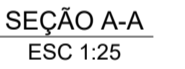
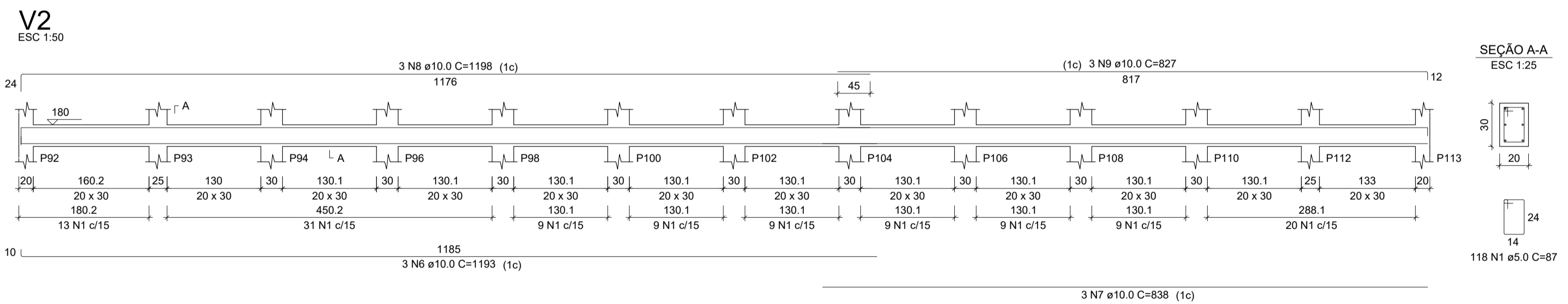
RELAÇÃO DO AÇO

V3

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	117	87	10179
CA50	2	8.0	2	1151	2302
	3	8.0	2	795	1590
	4	8.0	2	1198	2396
	5	8.0	2	854	1708

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	80	34.7
CA60	5.0	101.8	17.3
PESO TOTAL (kg)			
CA50	34.7		
CA60	17.3		

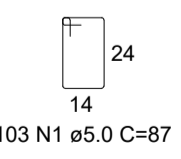
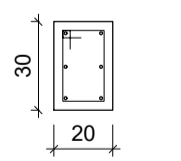
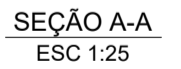
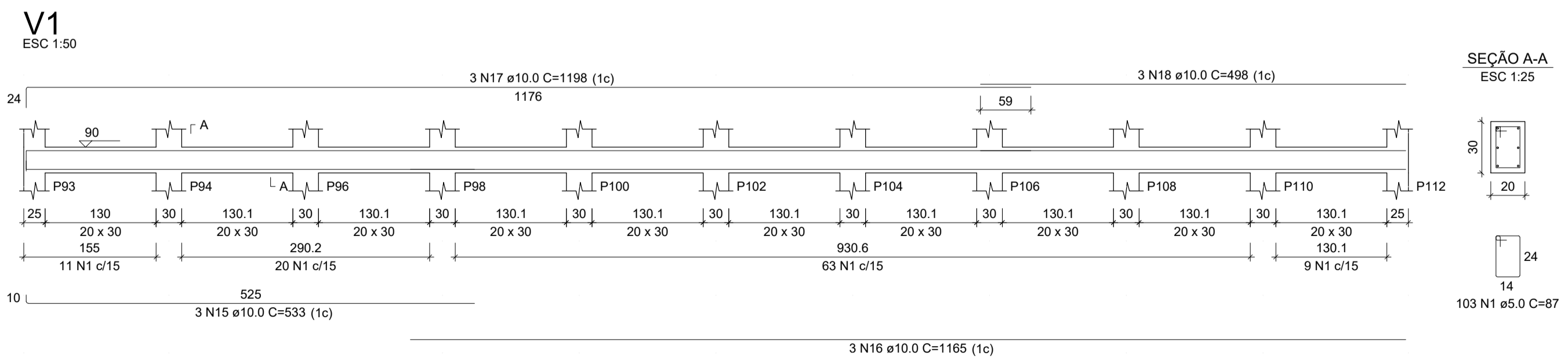
Volume de concreto (C-25) = 0.96 m³
Área de forma = 2.35 m²



RELAÇÃO DO AÇO					
V2	V INCL 3		V INCL 4		
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	116	87	10266
CA50	6	10.0	2	1193	2386
	7	10.0	2	838	1676
	8	10.0	2	1198	2396
	9	10.0	2	827	1654

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	81.1	55
CA60	5.0	101.8	17.5
PESO TOTAL (kg)			
CA50	55.0		
CA60	17.5		

Volume de concreto (C-25) = 0.96 m³
Área de forma = 2.35 m²



RELAÇÃO DO AÇO					
V2		V INCL 3		V INCL 4	
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	118	87	10266
CA50	6	10,0	2	1193	2386
	7	10,0	2	838	1676
	8	10,0	2	1198	2396
	9	10,0	2	827	1654

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	81.1	55
CA60	5.0	101.8	17.5
PESO TOTAL (kg)			
CA50	55.0		
CA60	17.5		

Volume de concreto (C-25) = 0.78 m³
Área de forma = 1.75 m²

PROJETO ESTRUTURAL



OBRA: PÚBLICA - TRECHO 12
ENDEREÇO: RUA JOÃO RODRIGUES DOS SANTOS, VILA NOVA - CEDRO DO ABAETÉ-MG

RESPONSÁVEL TÉCNICO: _____

_____ GUILHERME VINICIUS MACHADO CREA: 250613

PRANCHA:
Vigas

PAVIMENTO: Fundação	UNIDADE: 01	FOLHA
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PROPRIETÁRIO: PREFEITURA DO CEDRO DO ABAETÉ

40/49