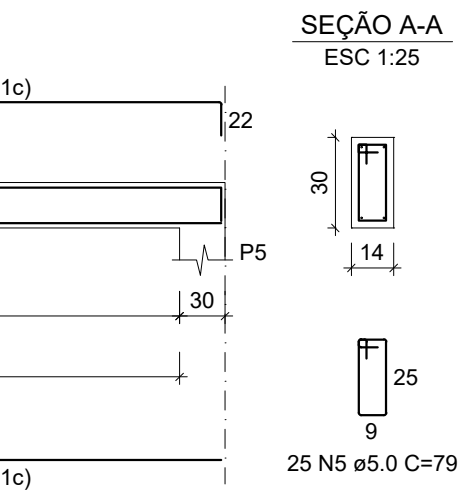
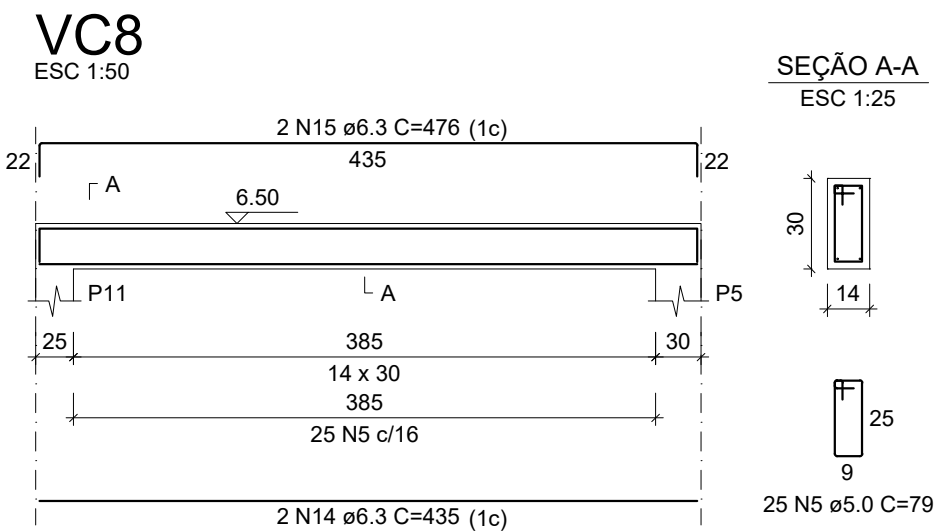
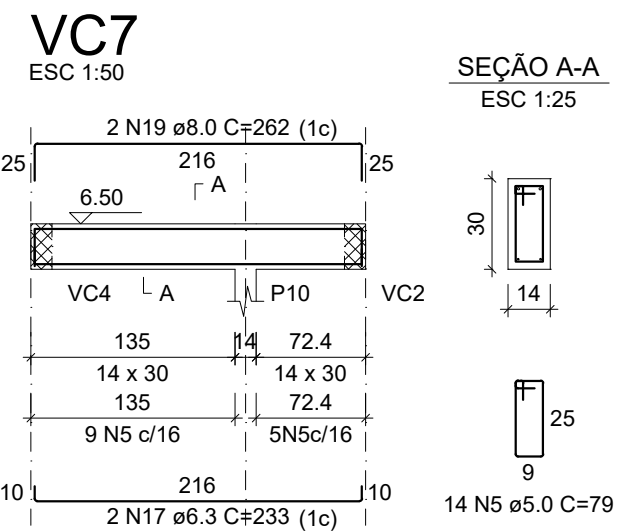
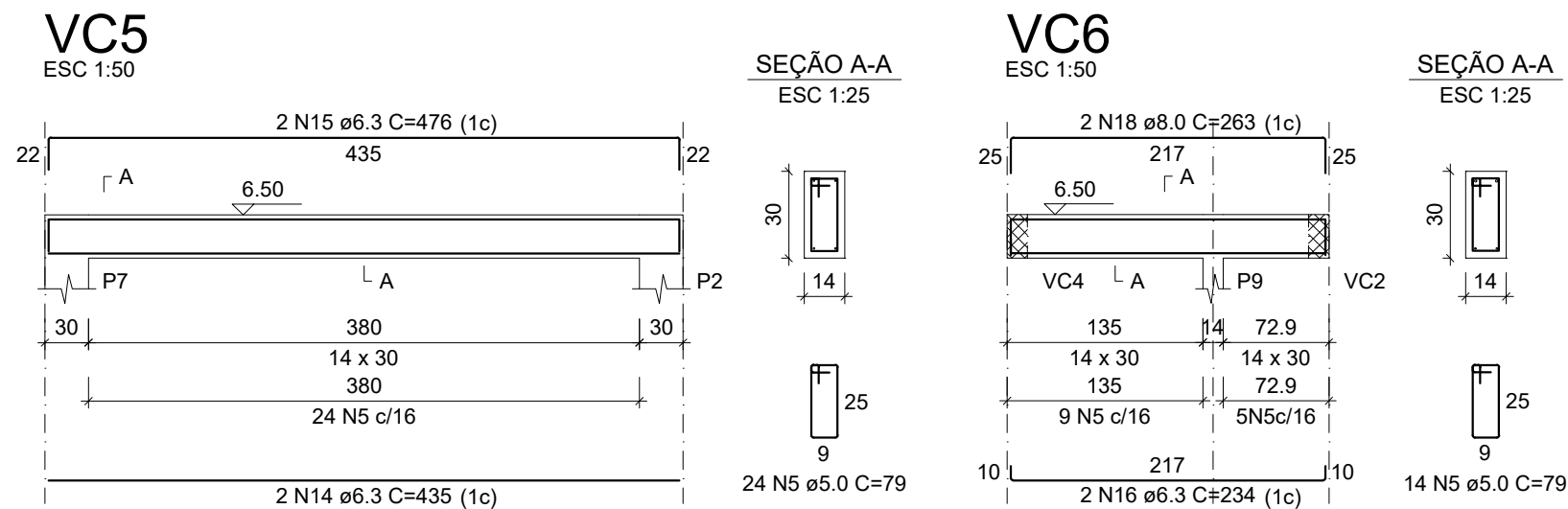
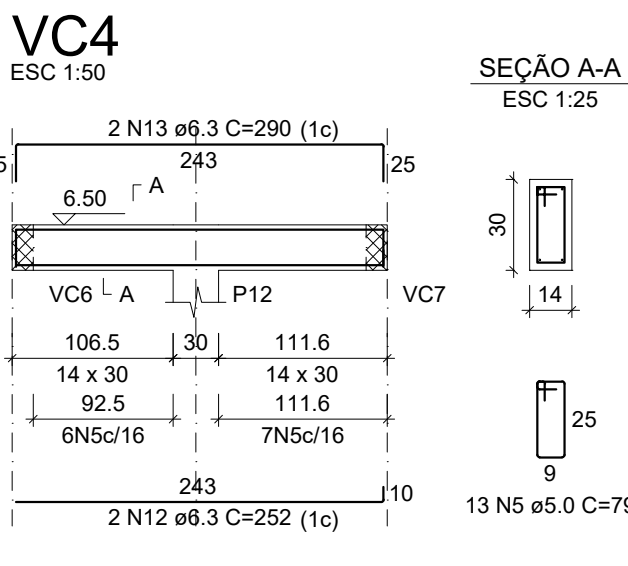
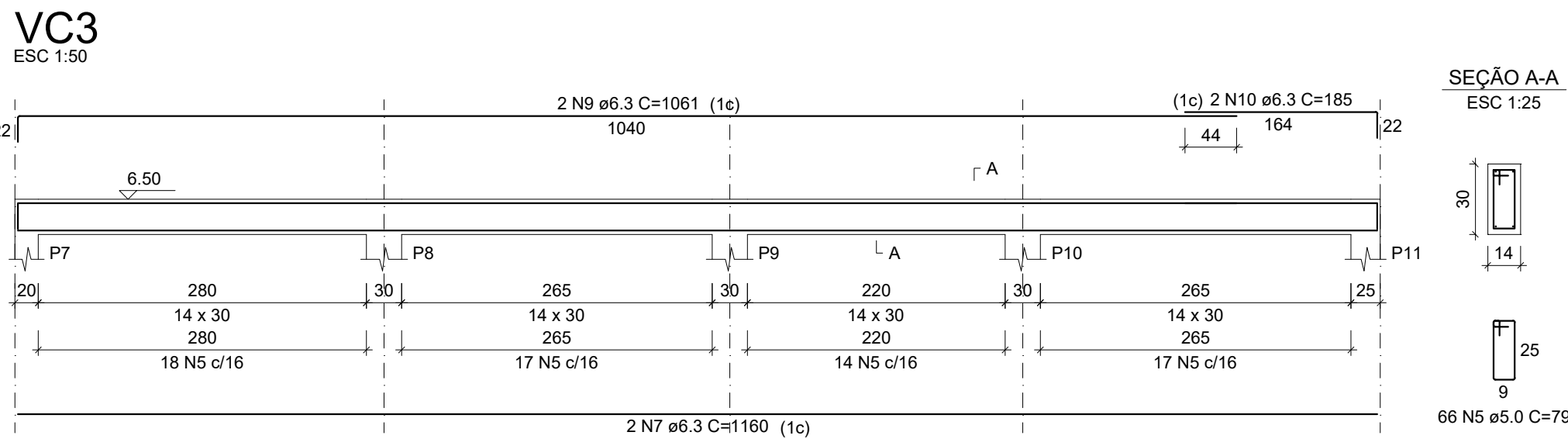
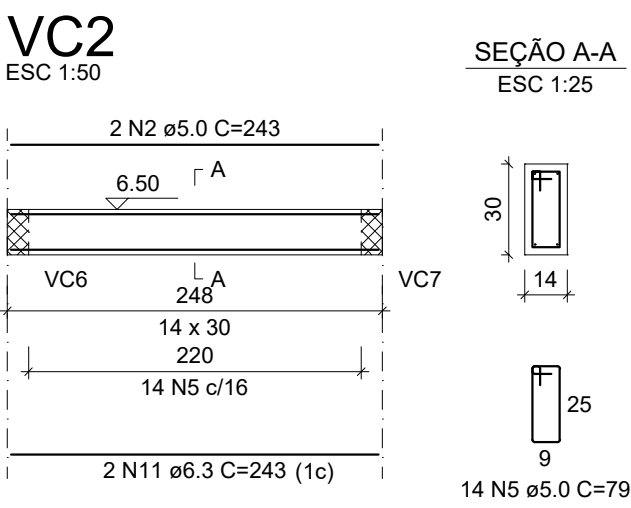
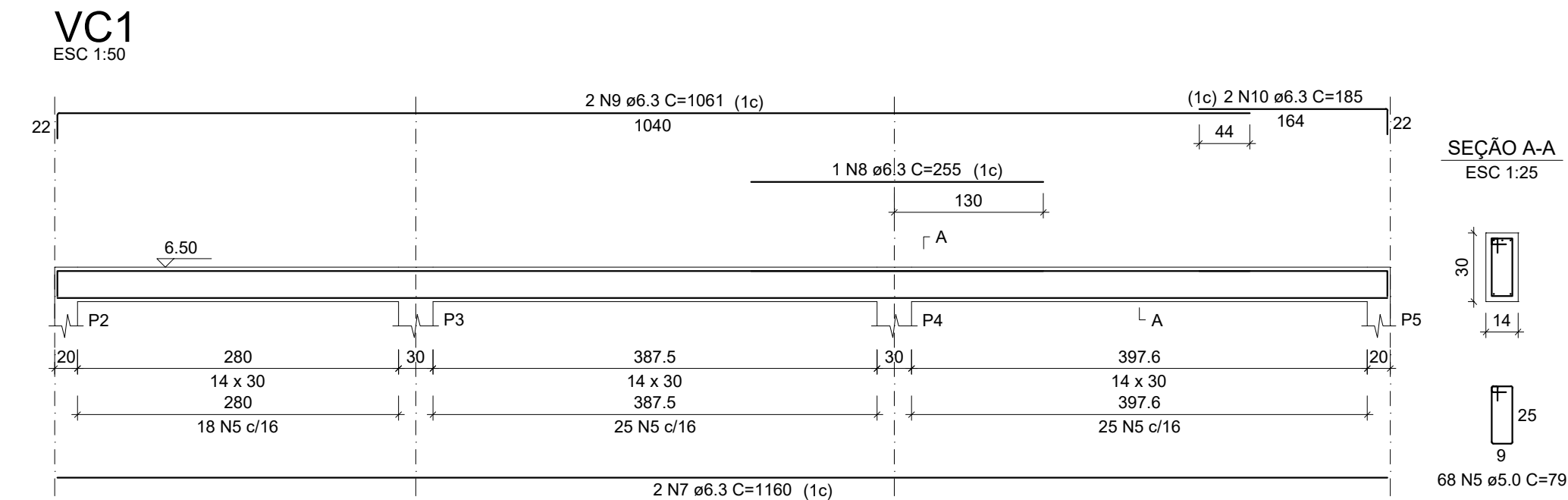
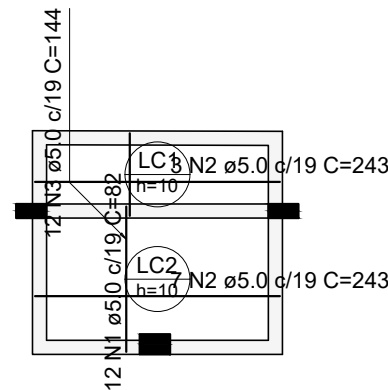


DETALHAMENTO PILARES DO 1 PAVIMENTO
escala 1:75



OBS: CONFERIR AS LOCALIDADES DOS PILARES EXISTENTES.
CASO ALGUM NAO ESTEJA CORRETO, FAVOR INFORMAR O ENGENHEIRO.

DETALHAMENTO VIGAS 1 PAVIMENTO
escala 1:75



ARMAÇÃO POSITIVA DAS LAJES DO 1 PAVIMENTO
escala 1:75

RELAÇÃO DO AÇO					
Positivos	7xP2	2xP9			
P11	VC1	VC2			
VC3	VC4	VC5			
VC6	VC7	VC8			
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	12	82	984
	2	5.0	12	243	2916
	3	5.0	12	144	1728
	4	5.0	210	91	19110
	5	5.0	298	79	23542
	6	5.0	30	81	2730
	7	6.3	4	1160	4640
	8	6.3	1	255	255
	9	6.3	4	1061	4244
	10	6.3	4	165	740
CA50	11	6.3	2	243	486
	12	6.3	2	252	504
	13	6.3	2	290	580
	14	6.3	4	435	1740
	15	6.3	4	476	1904
	16	6.3	2	234	468
	17	6.3	2	233	466
	18	8.0	2	263	526
	19	8.0	2	262	524
	20	10.0	40	297	11880

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	160.3	43.1
	8.0	10.5	4.6
	10.0	118.8	80.6
CA60	5.0	510.1	86.5
PESO TOTAL (kg)			
CA50	128.3		
CA60	86.5		

Volume de concreto (C-25) = 3.84 m³
Área de forma = 63.94 m²

Aprovações:

PROJETO ESTRUTURAL

Local: PRAÇA DOUTOR CÉSAR LEITE, 500 - BAIRRO CENTRO - MANHUACU- MG

Proprietário:

POLICIA MILITAR DE MINAS GERAIS - COLEGIO TIRADENTES - UNIDADE MANHUACU
CNPJ: 16.695.025/0001-97

Responsável Técnico:

VICTOR DUTRA OLIVEIRA - CREA: 128.201/D - MG

Desenho:

Conteúdo:

DETALHAMENTO VIGAS, PILARES E LAJES DO 1 PAVIMENTO.

Áreas :	Data:	Escalas:	Folha:
VER ARQUITETURA	09-07-2021	INDICADAS	02/03



Pórtico Engenharia