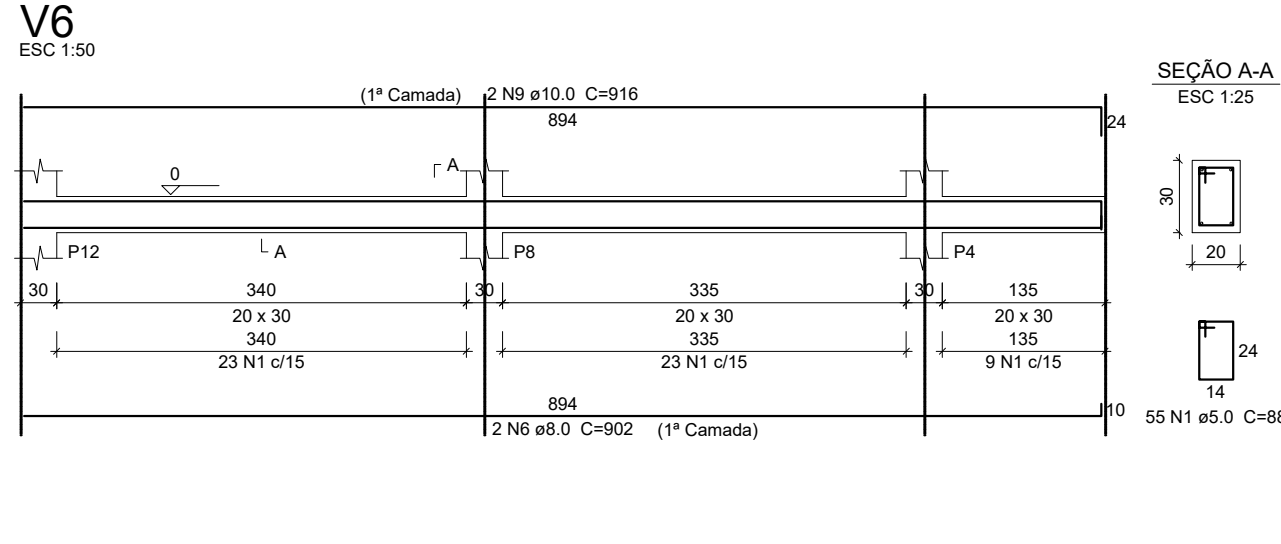
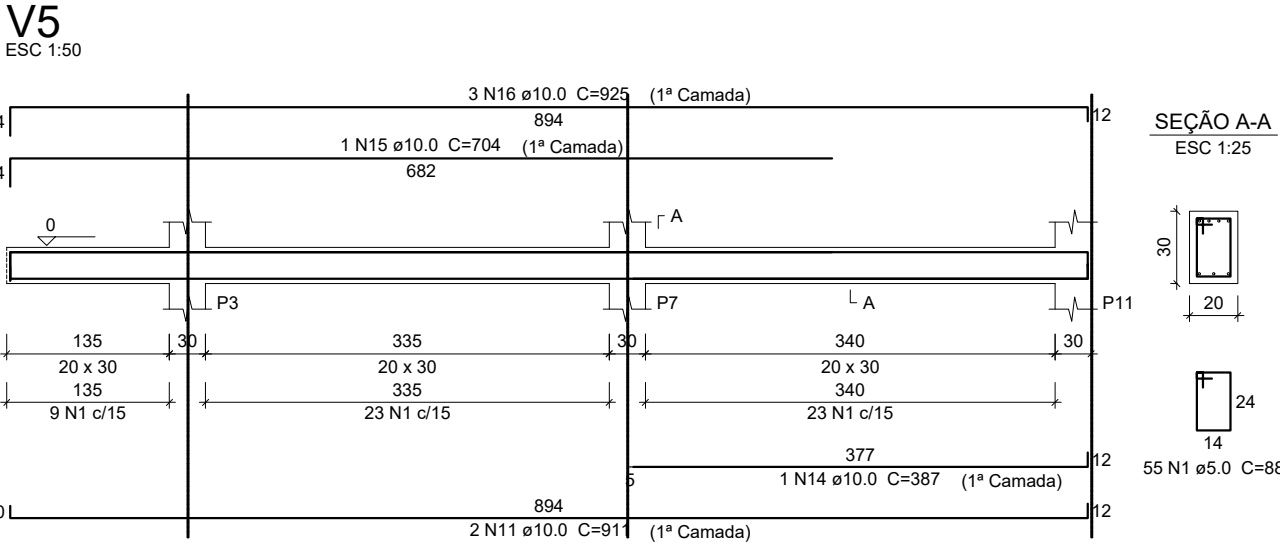
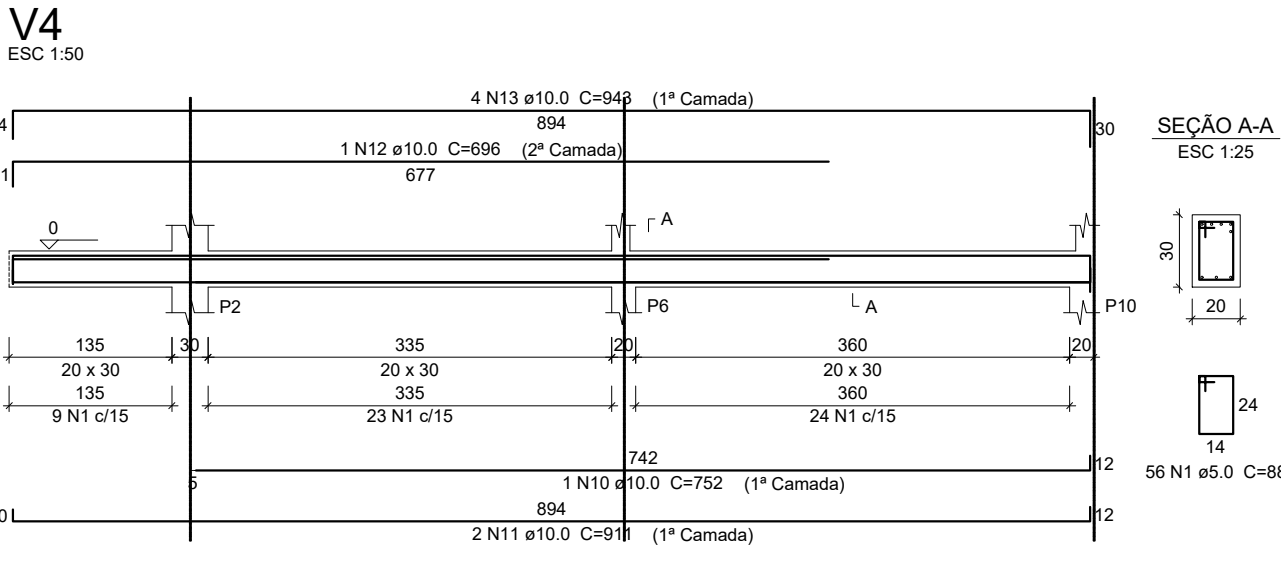
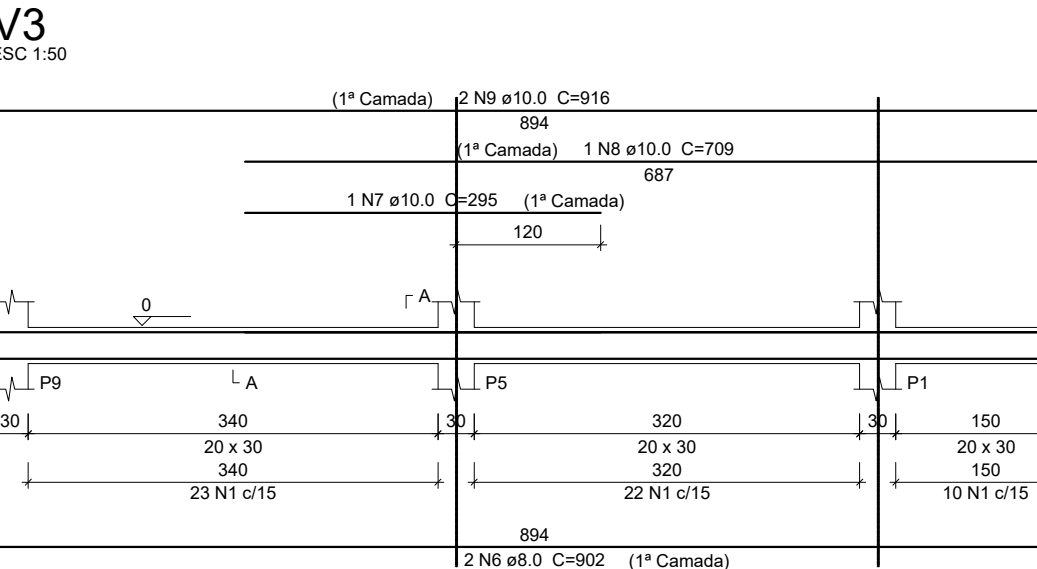
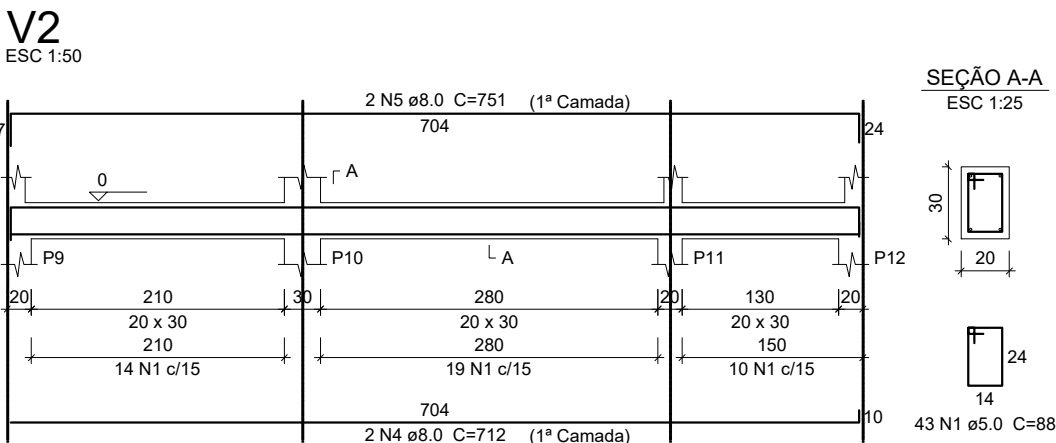
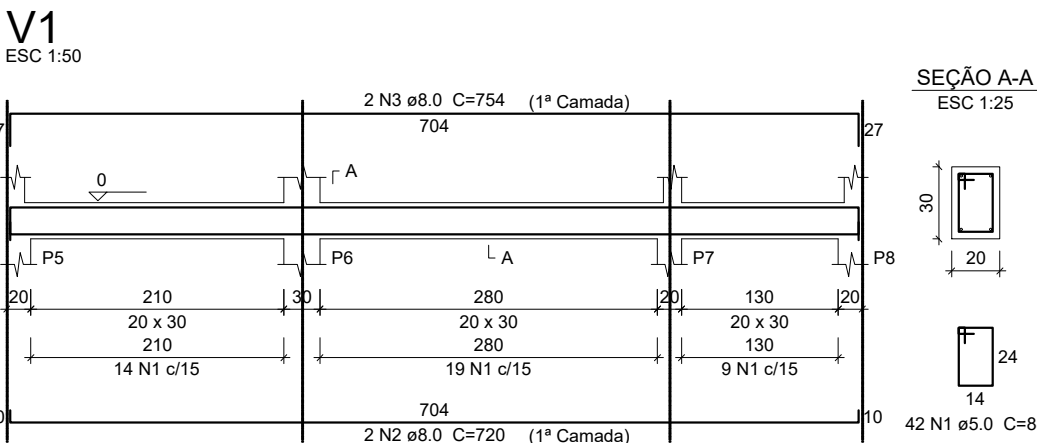




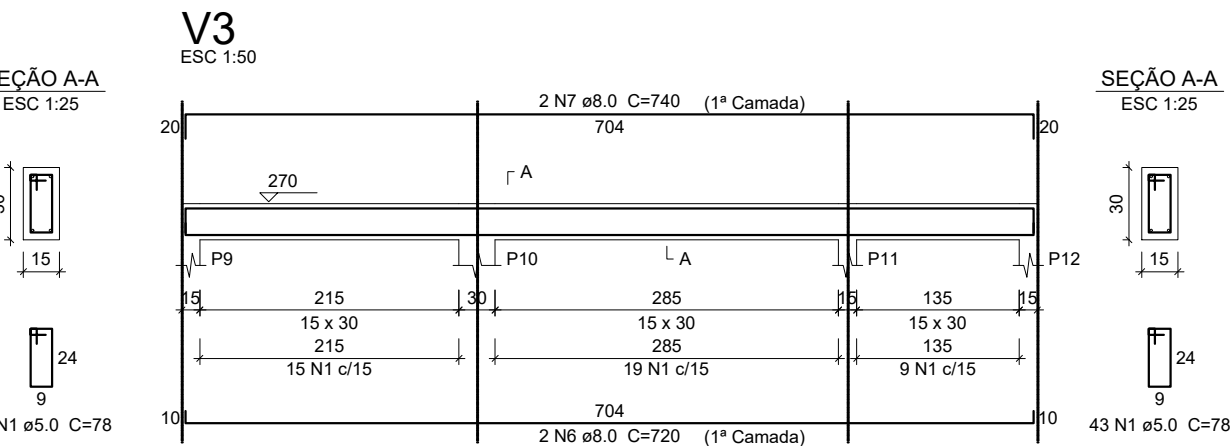
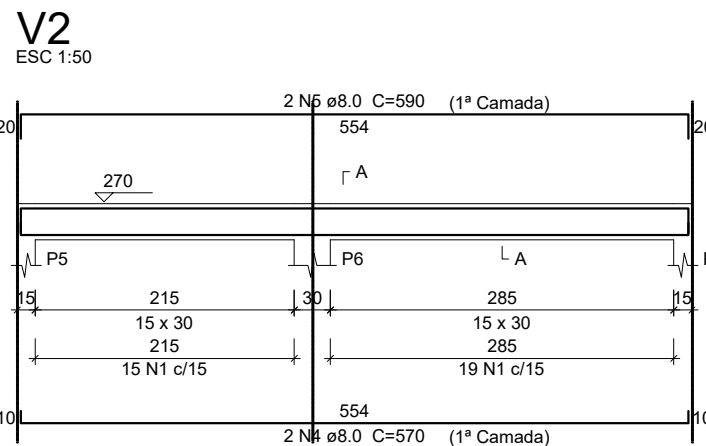
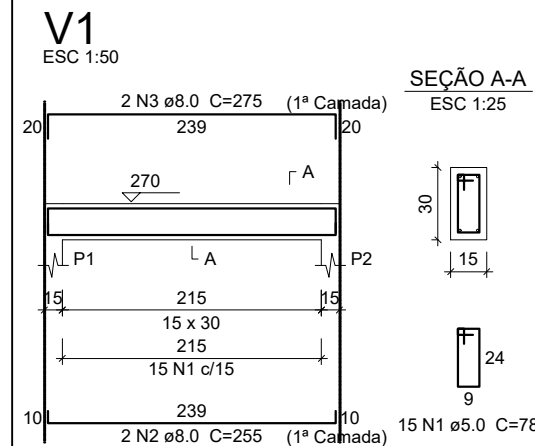
Relação do aço

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	306	88	26928
CA50	2	8.0	2	720	1440
	3	8.0	2	754	1508
	4	8.0	2	712	1424
	5	8.0	2	751	1502
	6	8.0	4	902	3608
	7	10.0	1	295	295
	8	10.0	1	709	709
	9	10.0	4	916	3664
	10	10.0	1	752	752
	11	10.0	4	911	3644
	12	10.0	1	696	696
	13	10.0	4	943	3772
	14	10.0	1	387	387
	15	10.0	1	704	704
	16	10.0	3	925	2775

Resumo do aço

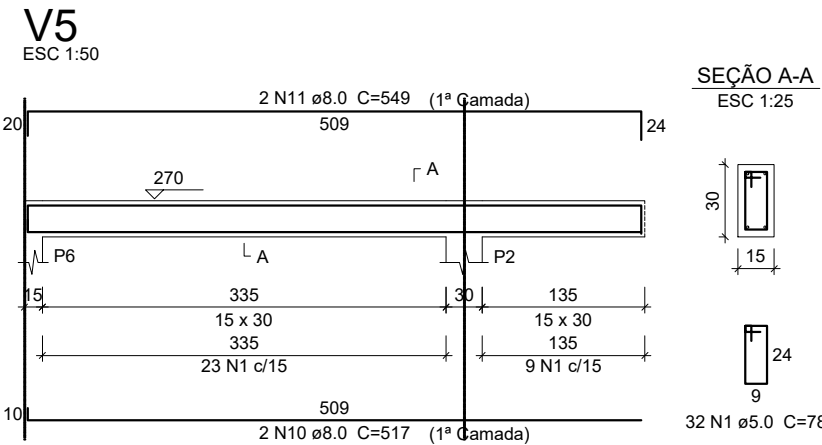
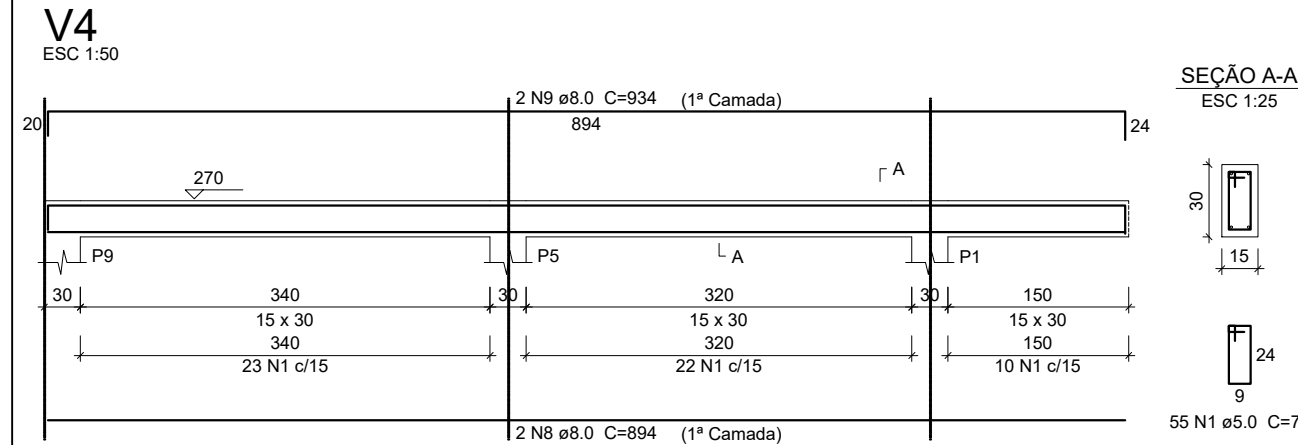
AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	94.9	41.2
CA60	10.0	174	118
CA60	5.0	269.3	45.7
PESO TOTAL			
CA50	159.1		
CA60	45.7		

Vol. de concreto total (C-25) = 3.01 m³
Área de forma total = 40.16 m²



Relação do aço

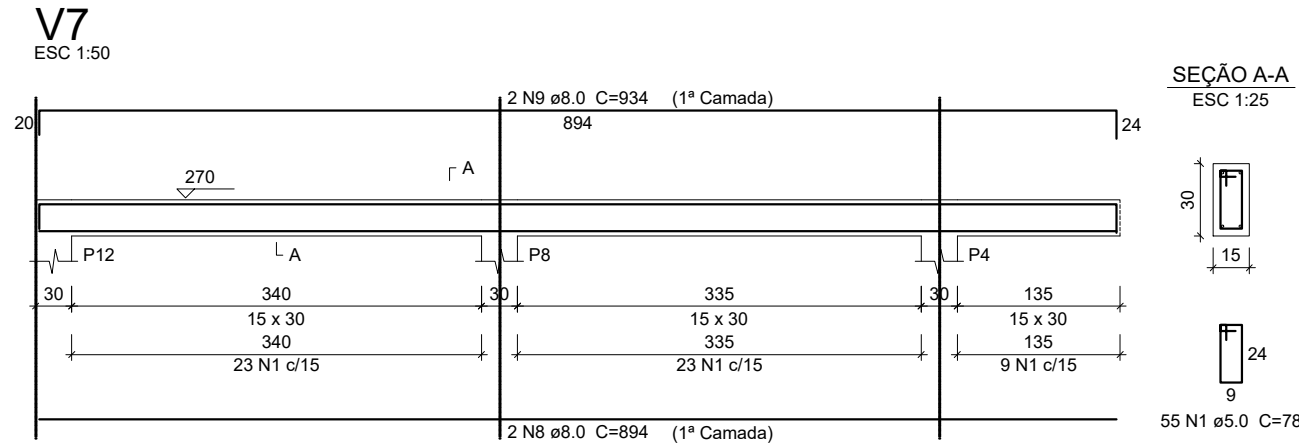
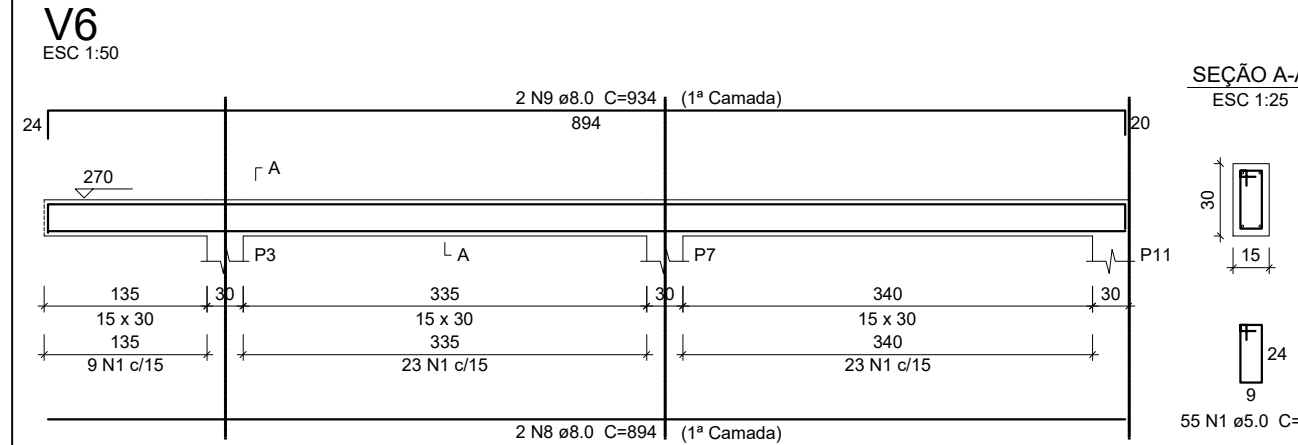
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	289	78	22542
CA50	2	8.0	2	255	510
	3	8.0	2	275	550
	4	8.0	2	570	1140
	5	8.0	2	590	1180
	6	8.0	2	720	1440
	7	8.0	2	740	1480
	8	8.0	6	894	5364
	9	8.0	6	934	5604
	10	8.0	2	517	1034
	11	8.0	2	549	1098



Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	194	84.2
CA60	5.0	225.5	38.2
PESO TOTAL			
CA50	84.2		
CA60	38.2		

Vol. de concreto total (C-25) = 2.13 m³
Área de forma total = 35.48 m²



VIGAS PAVIMENTO SUPERIOR

PREFEITURA MUNICIPAL DE CACIQUE DOBLE			
AV. KAINGANG, 292 - FONE - (54)3552-1244 - CACIQUE DOBLE - E-mail: pmcaciqueadm@ouronetonline.com.br			
CONTEÚDO - VIGAS		ESCALA - INDICADAS	
ENDEREÇO OBRA - CAPELA CONSOLADORA - CACIQUE DOBLE - RS		ANEXO -	
PROJETO - AMPLIAÇÃO DA ESCOLA MUNICIPAL DE ENSINO FUNDAMENTAL BELMIRO JOSÉ GRANZOTTO		ÁREA - 63,90m²	
ENG. CARLA RAGNINI - CREA 137639-6		DATA - MAIO/2020	

02-ES