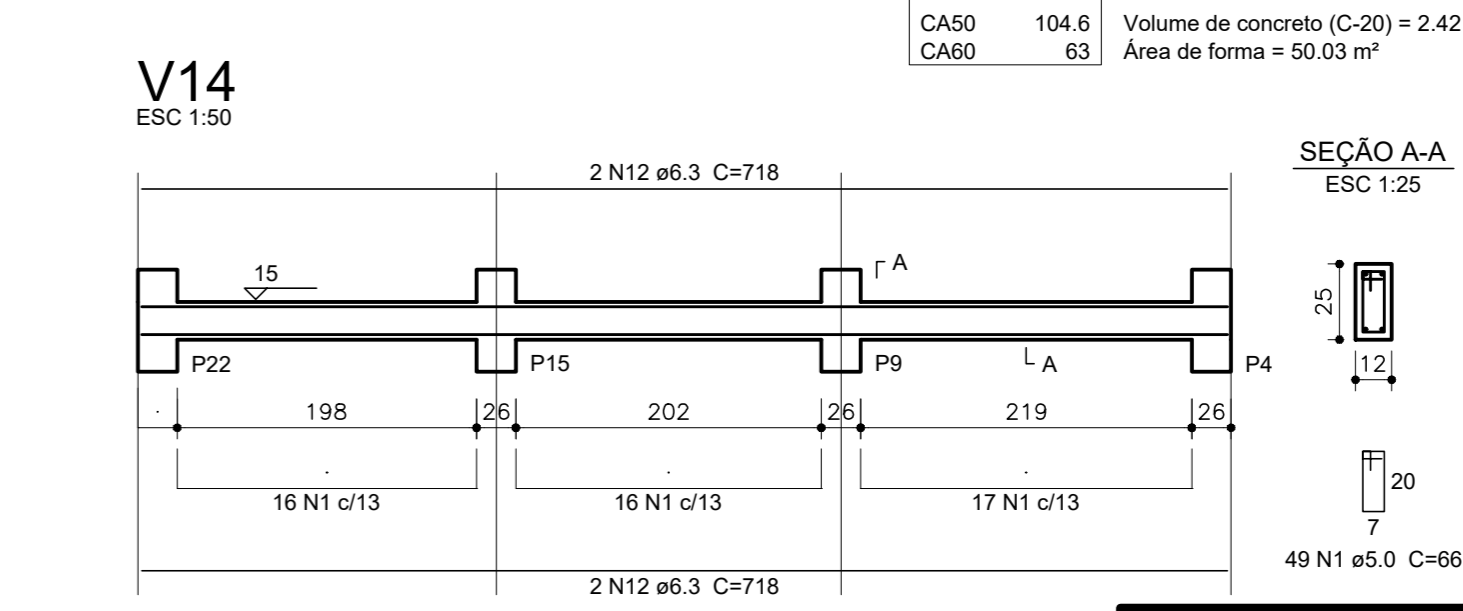
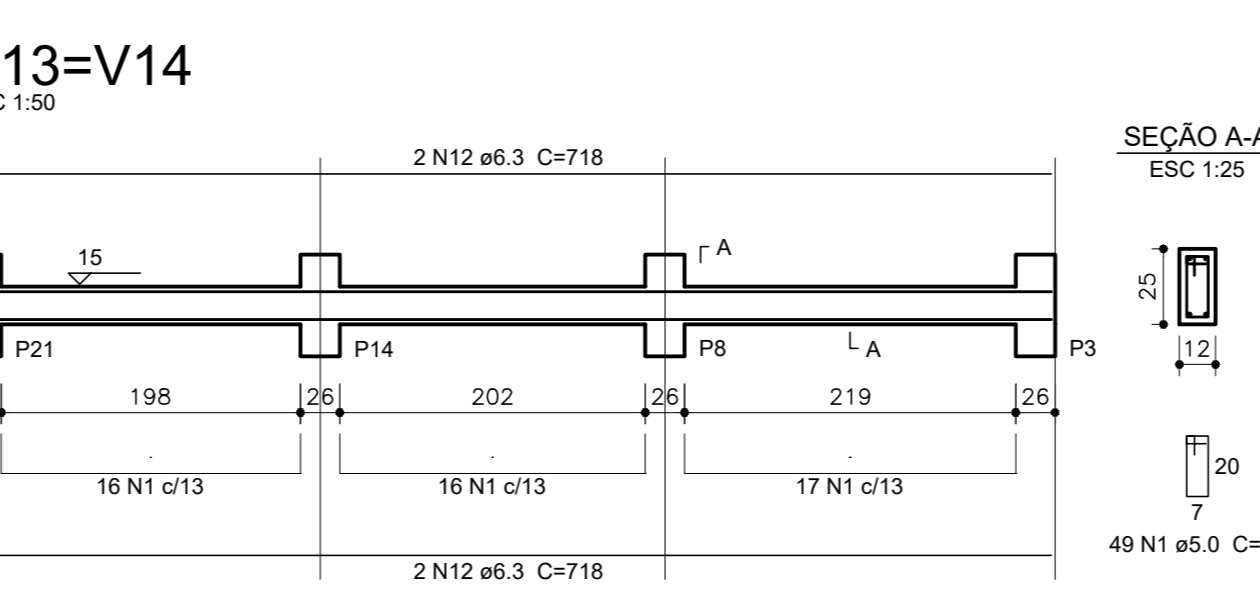
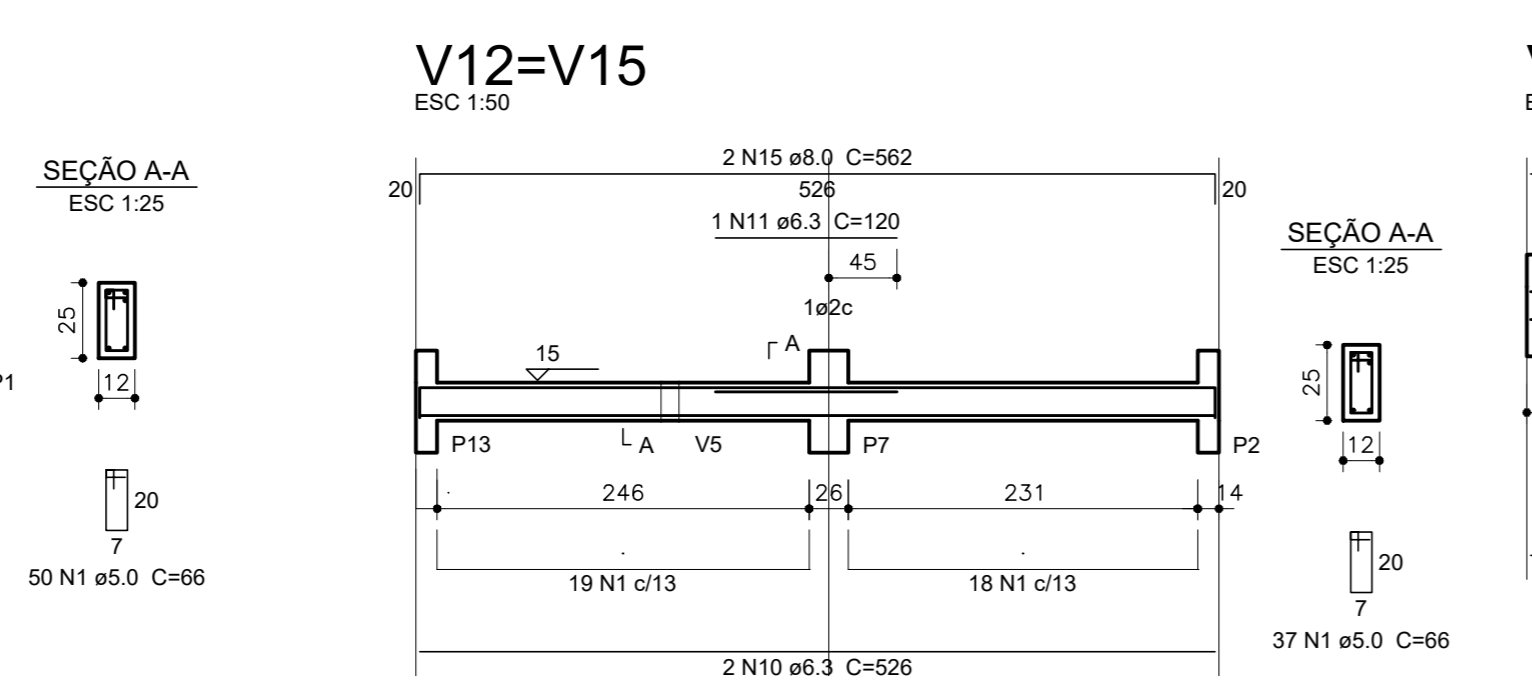
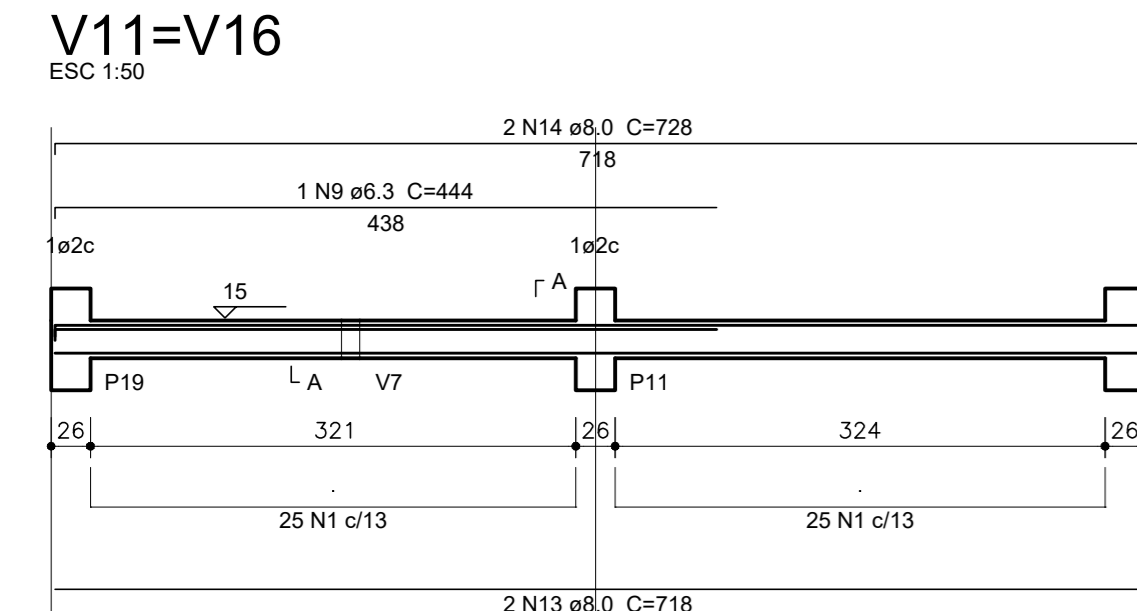
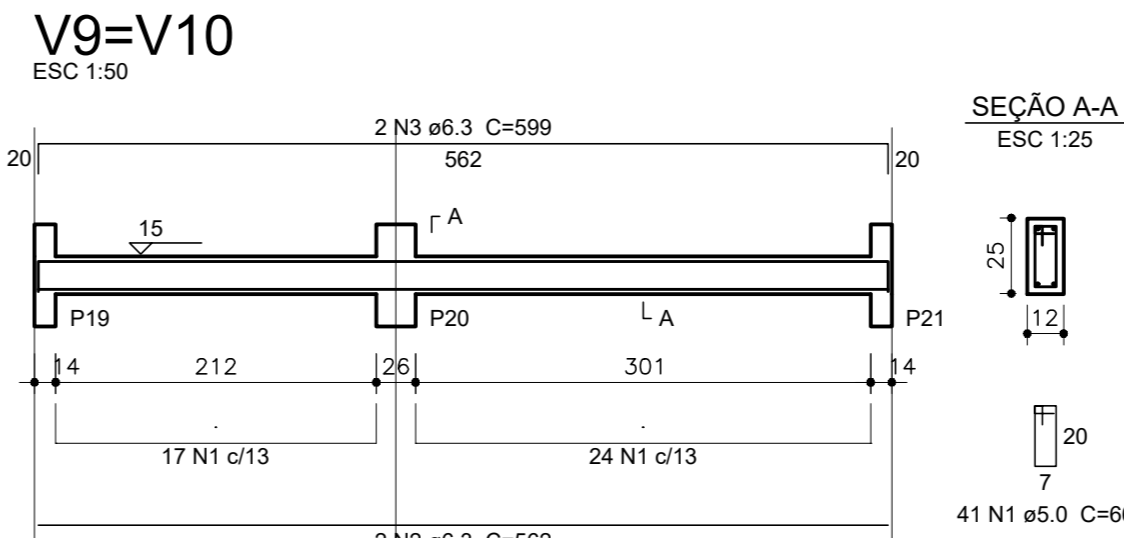
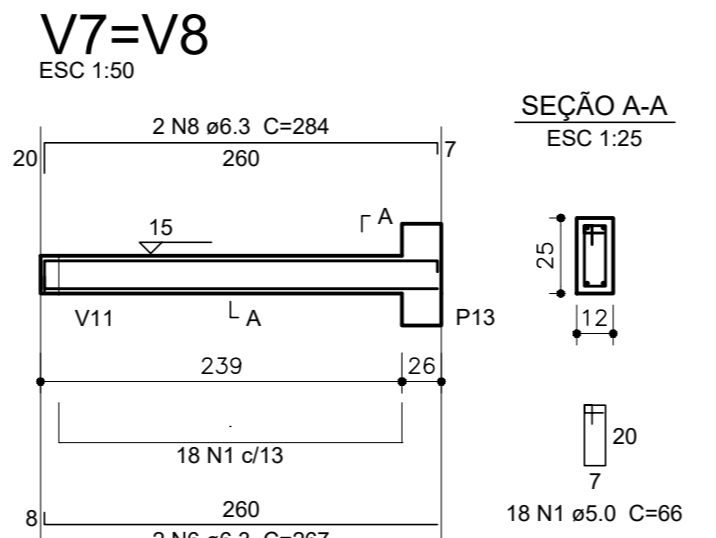
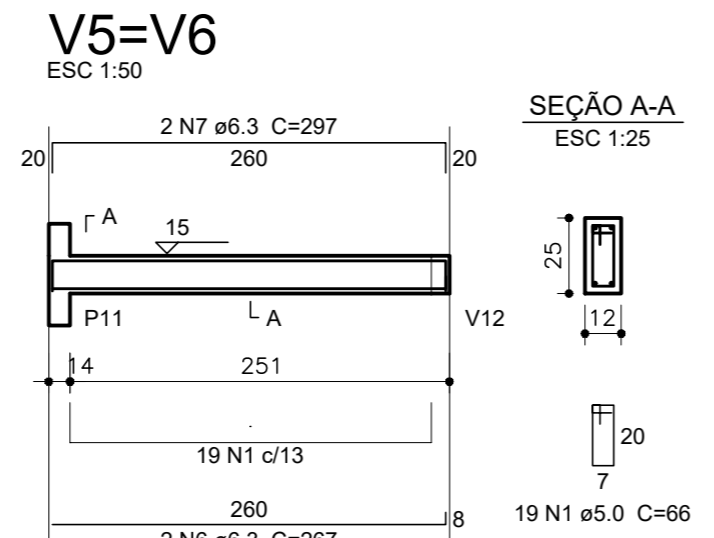
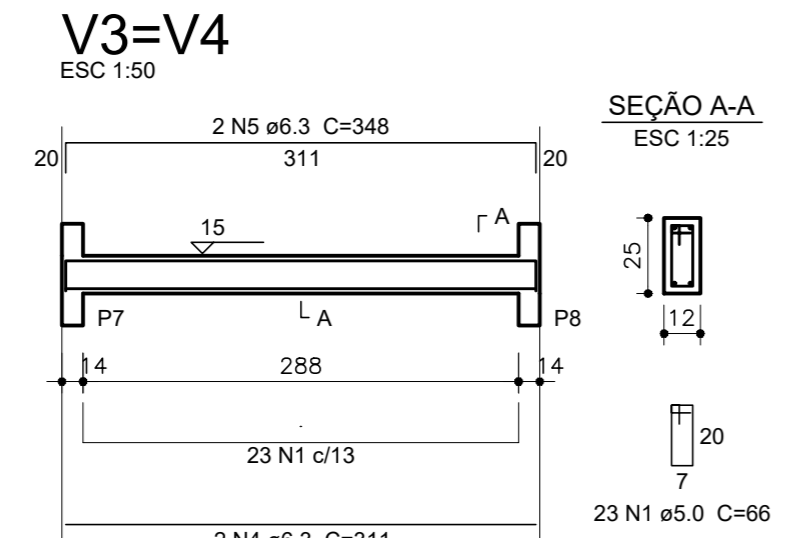
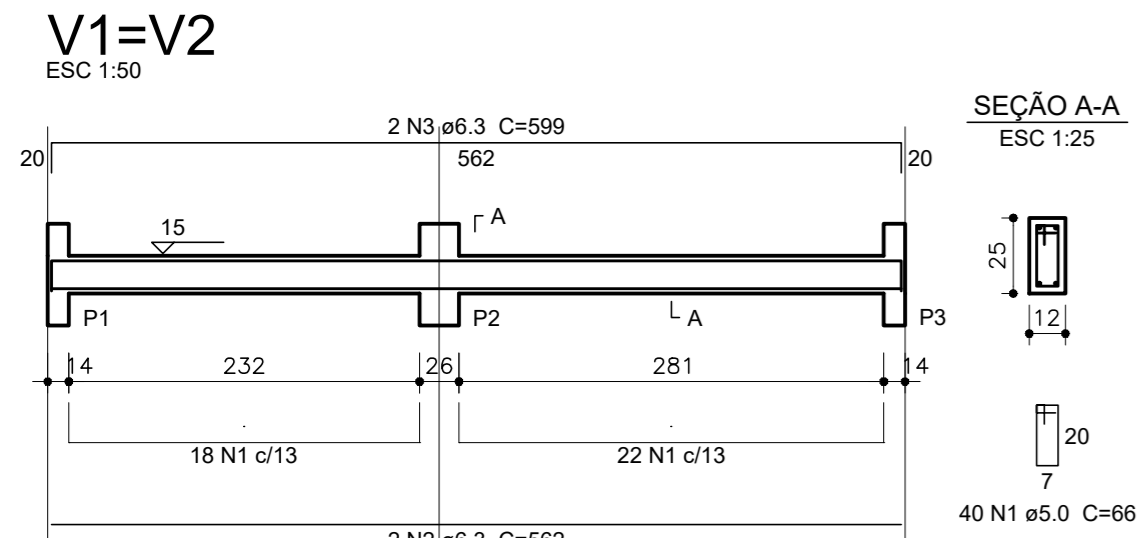


VIGAS DO PAVIMENTO TÉRREO



Resumo do aço

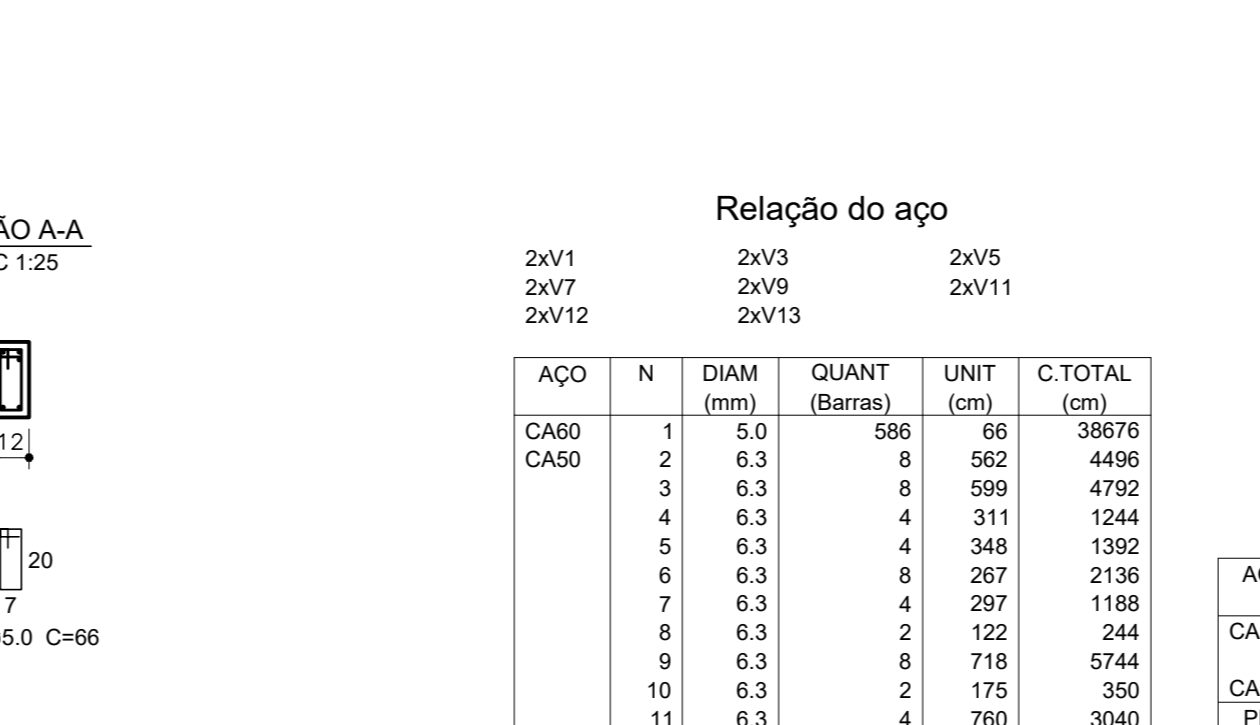
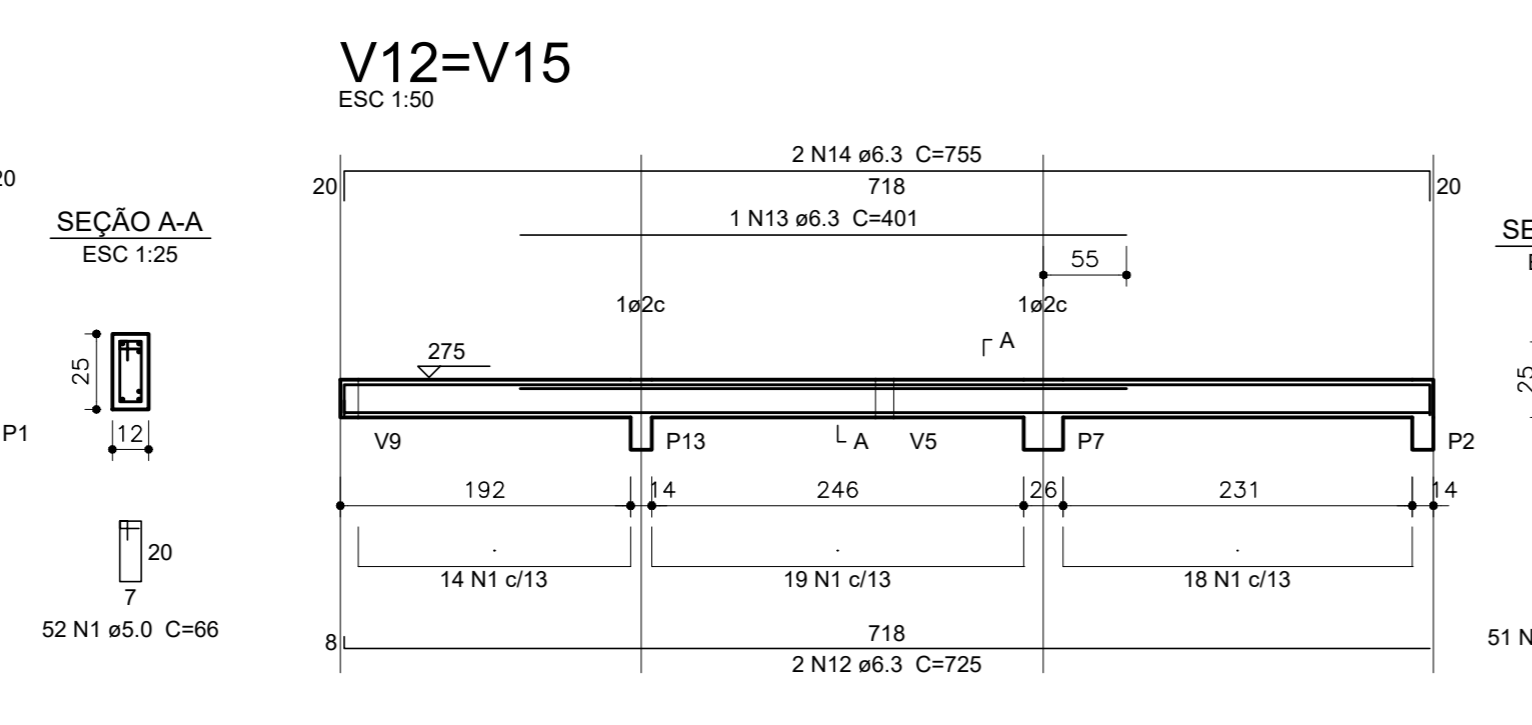
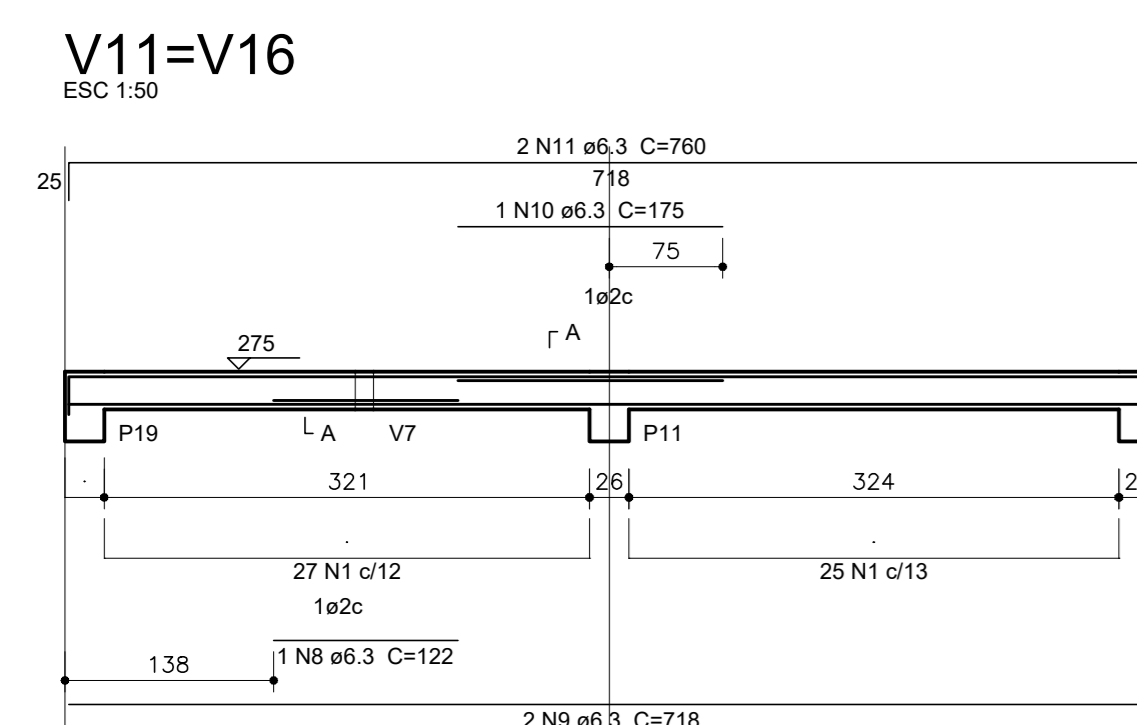
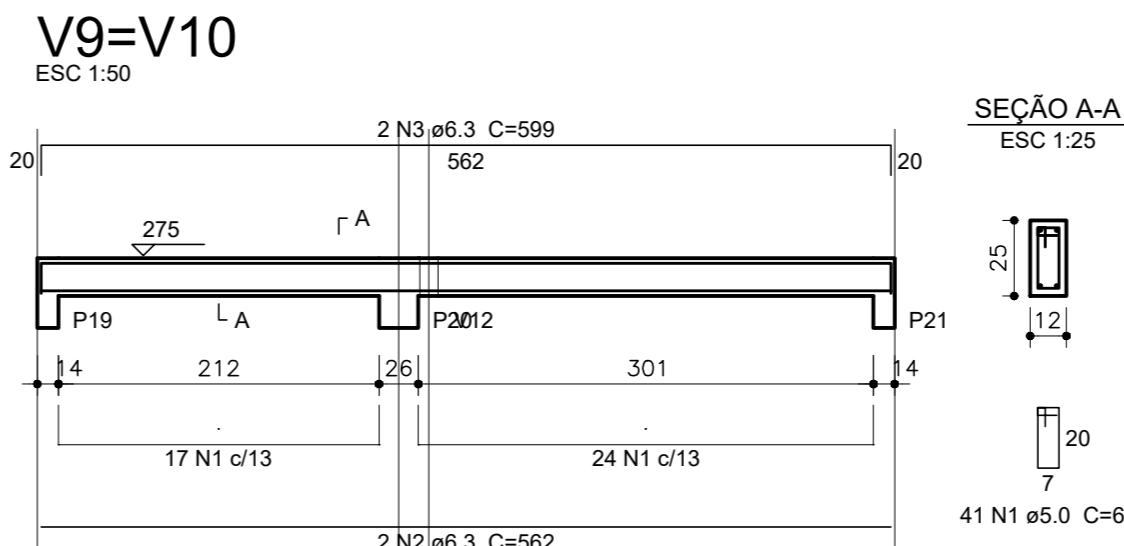
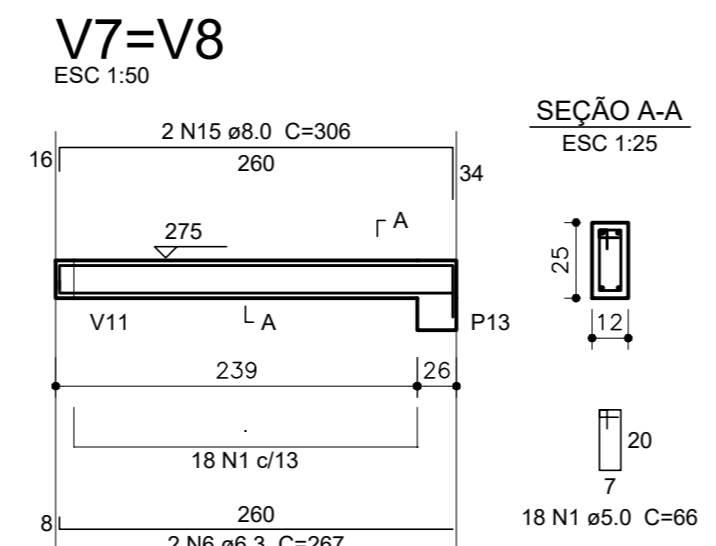
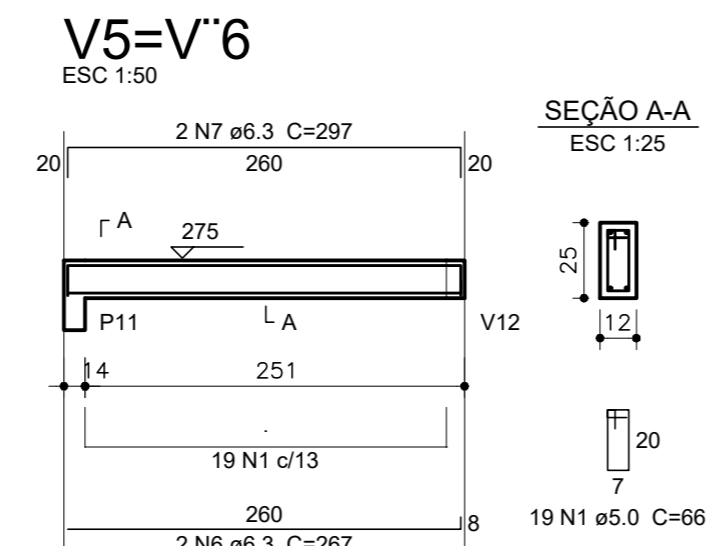
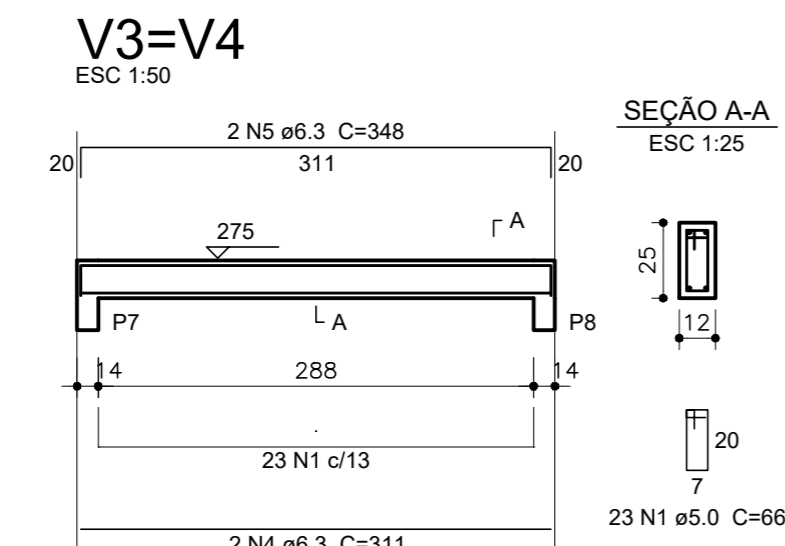
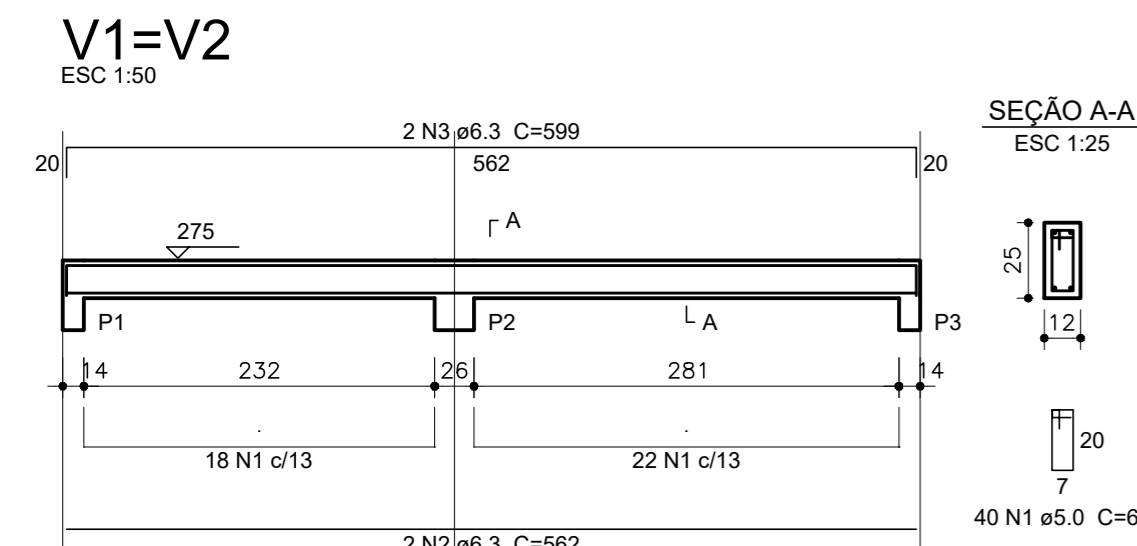
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	259.1	69.7
CA60	8.0	80.4	34.9
CA60	5.0	371.6	63
PESO TOTAL (kg)			
CA50	104.6		
CA60	63		

Volume de concreto (C-20) = 2.42 m³
Área de forma = 50.03 m²

Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
V1	1	5.0	563	66	37158
2xV3	2	6.3	6	562	3372
2xV7	3	6.3	6	599	3594
2xV11	4	6.3	4	311	1244
V14	5	6.3	4	348	1392
	6	6.3	8	267	2136
	7	6.3	4	297	1188
	8	6.3	4	284	1136
	9	6.3	2	444	888
	10	6.3	4	526	2104
	11	6.3	2	120	240
	12	6.3	12	718	8616
	13	8.0	4	718	2872
	14	8.0	4	728	2912
	15	8.0	4	562	2248

VIGAS DO PAVIMENTO SUPERIOR



Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
2xV1	1	5.0	586	66	38676
2xV7	2	6.3	8	562	4496
2xV12	3	6.3	8	599	4792
	4	6.3	4	311	1244
	5	6.3	4	348	1392
	6	6.3	8	267	2136
	7	6.3	4	297	1188
	8	6.3	2	122	244
	9	6.3	8	718	5744
	10	6.3	2	175	350
	11	6.3	4	760	3040
	12	6.3	4	725	2900
	13	6.3	2	401	802
	14	6.3	8	755	6040
	15	8.0	4	306	1224

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	343.7	92.5
CA60	8.0	12.3	5.3
CA60	5.0	386.8	65.6
PESO TOTAL (kg)			
CA50	97.8		
CA60	65.6		

Volume de concreto (C-20) = 2.49 m³
Área de forma = 51.45 m²

USO EXCLUSIVO DA COHAPAR

REVISÕES			
REV	DATA	DESCRIÇÃO	AUTOR
R00	07/03/2017	EMISSÃO INICIAL	DVIE / R_RUY

g:\dvia\dvpo\projetos 2017\mbp40 a b reb gem1 meio giro fam par\est mbp40 a b reb gem1 meio giro fam par.dwg

USO EXCLUSIVO DA COHAPAR

RESPONSÁVEL TÉCNICO: **COHAPAR** CONTROLE DE CÓPIAS

COHAPAR
Companhia de Habitação do Paraná

PRANCHA: **EST 02 02** REVISÃO: **R 00**

MBP 40 GEM 1
40,99m²
FAMÍLIA PARANAENSE

MORAR BEM PARANÁ

autor projeto: R.MANTOVANI autor desenho: R_RUY
escala: INDICADAS data de criação: MAR / 2017
nome do arquivo: EST MBP40 A B reb GEM1 Meio Giro Fam Par.dwg

PROJETO ESTRUTURAL
VIGAS DO PAV. INFERIOR E PAV. SUPERIOR

SALVO EM: 16/03/2017
HISTÓRICO IMPRESSO EM: 16/03/2017
SALVO POR: TOSARIV