





Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x25	0	0
V2	15x25	0	0
V3	15x25	0	0
V4	15x25	0	0
V5	15x25	0	0
V6	15x25	0	0

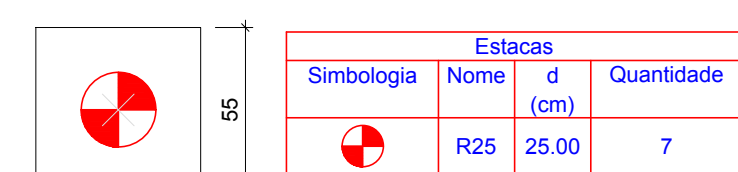
Características dos materiais	
fck (kgf/cm <sup>2</sup> )	Ecs (kgf/cm <sup>2</sup> )
250	241500

Dimensão máxima do agregado = 19 mm

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P7	15 x 25	0	0

Legenda dos Pilares	
	Pilar que morre
	Pilar que passa
	Pilar que nasce
	Pilar com mudança de seção

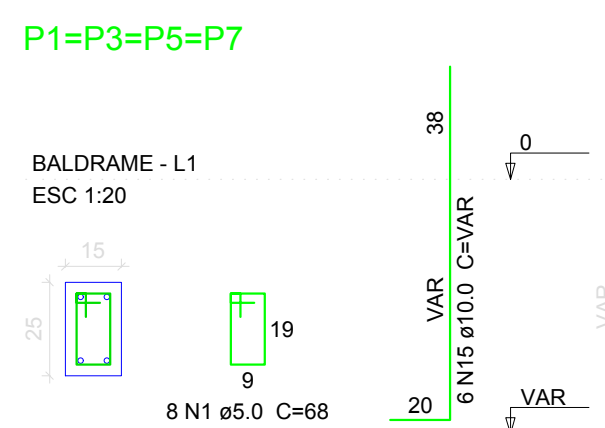
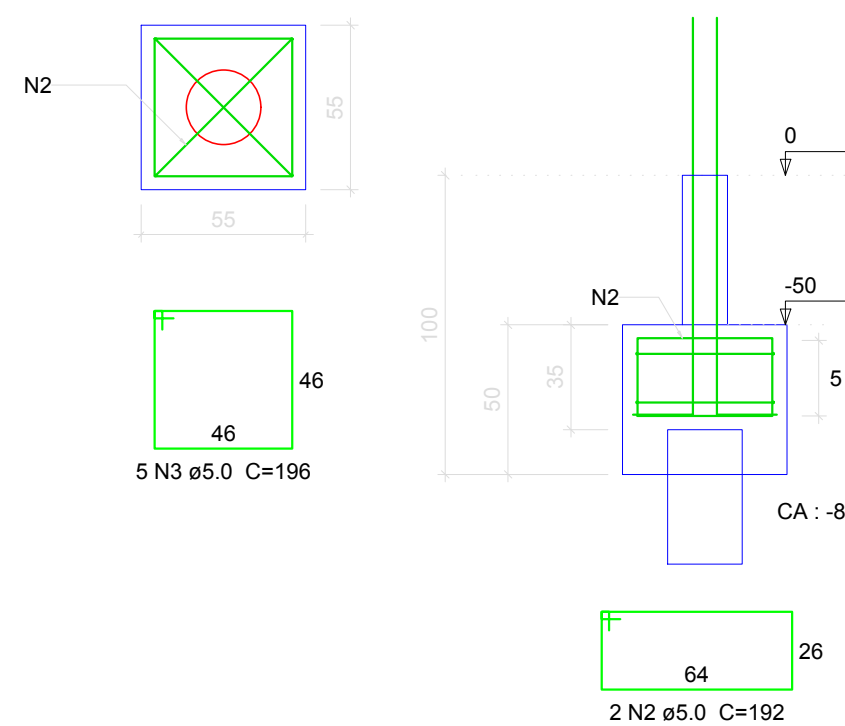


Legenda  
dos blocos



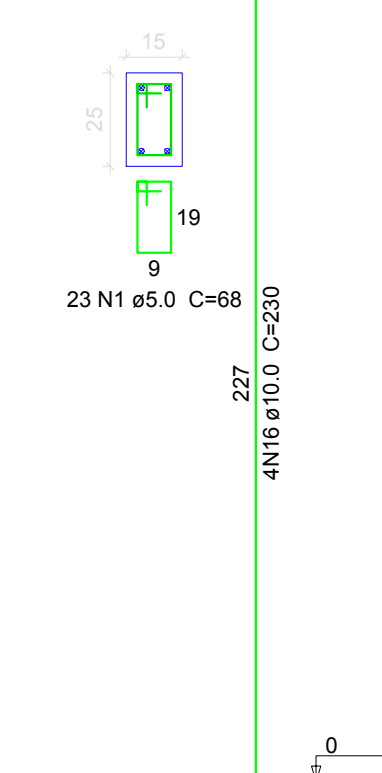
B1=B2=B3=B4=B5=B6=B7  
1xR25  
PLANTA  
ESC 1:25

CORTE  
ESC 1:25



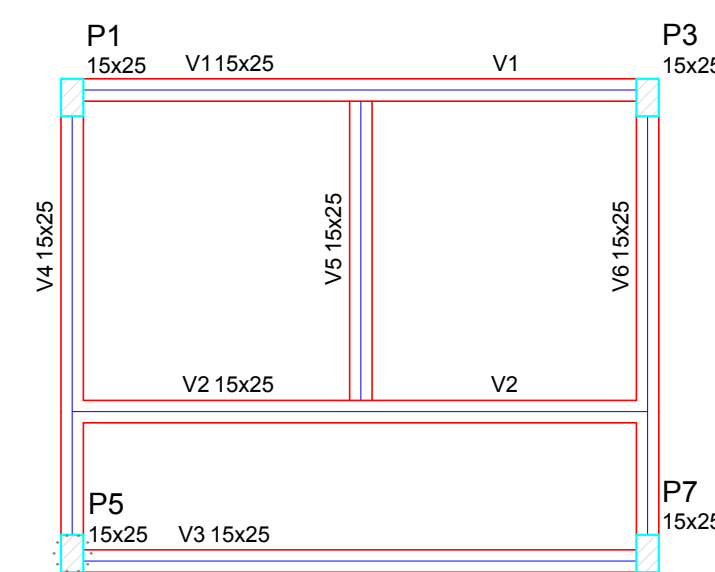
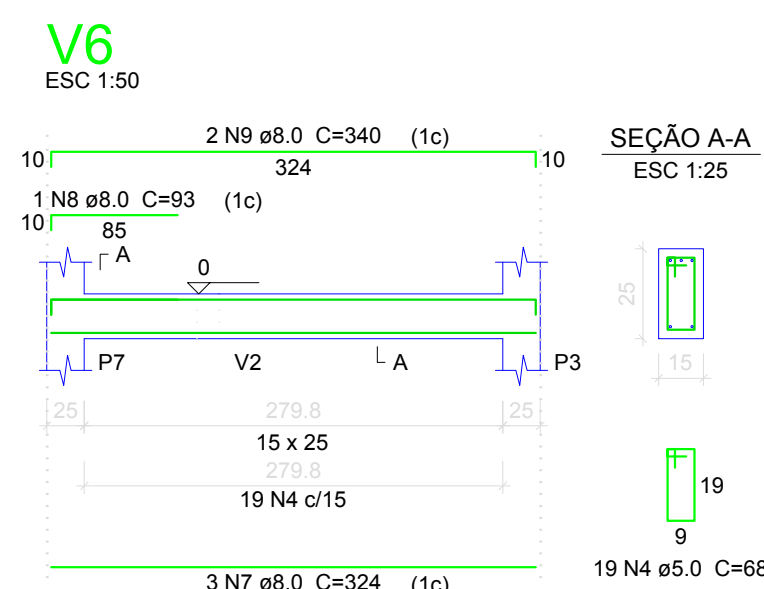
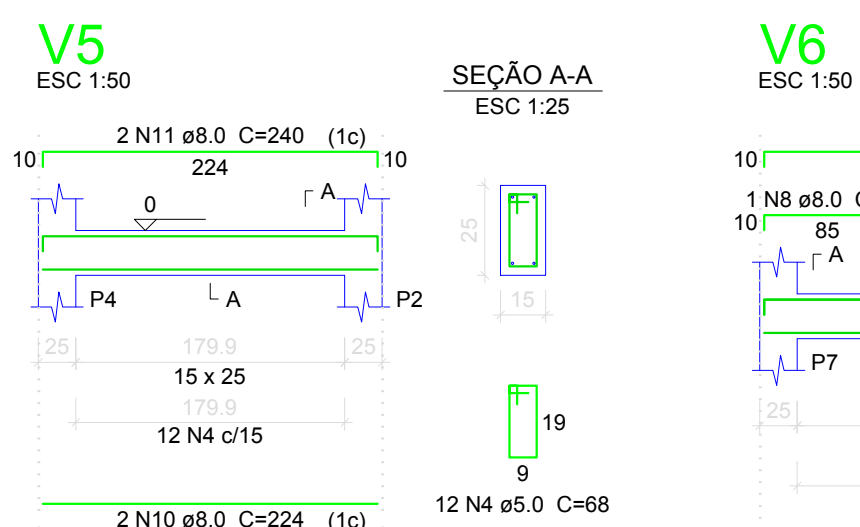
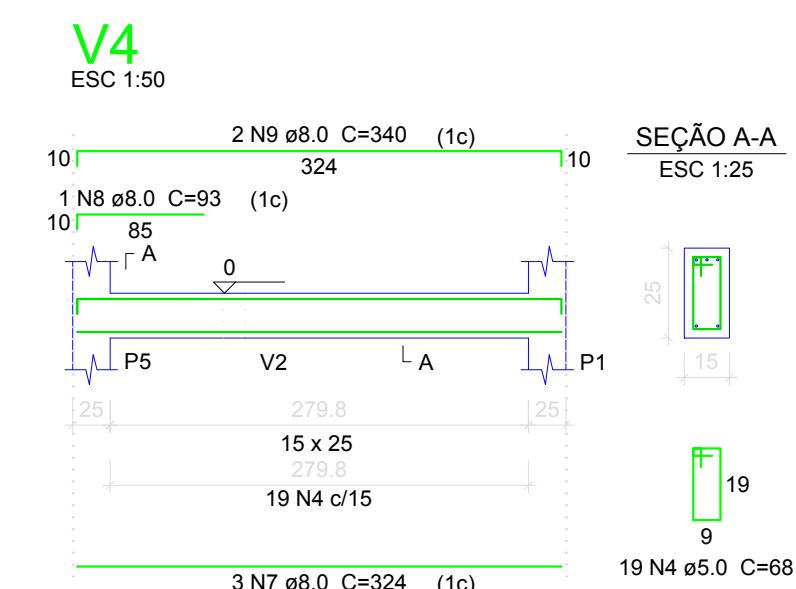
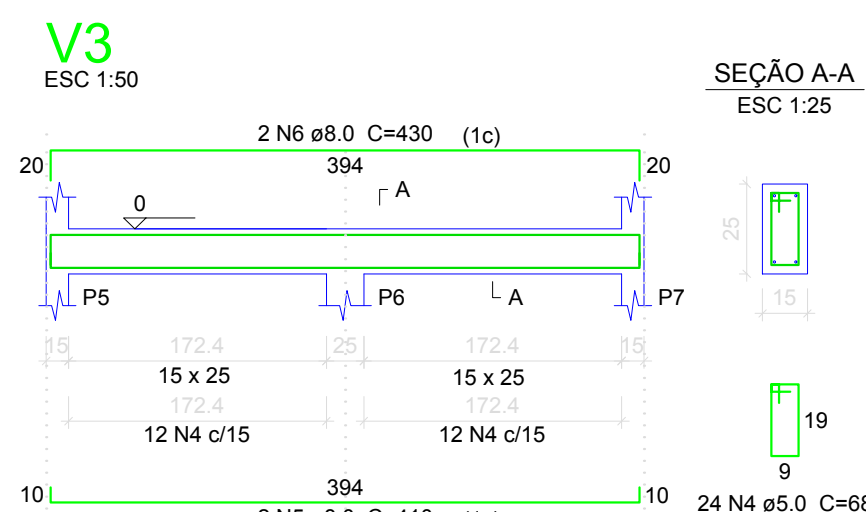
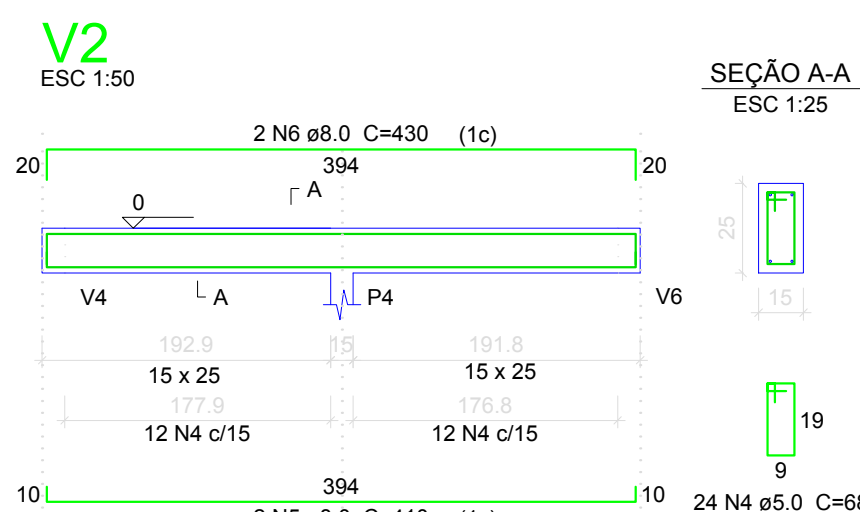
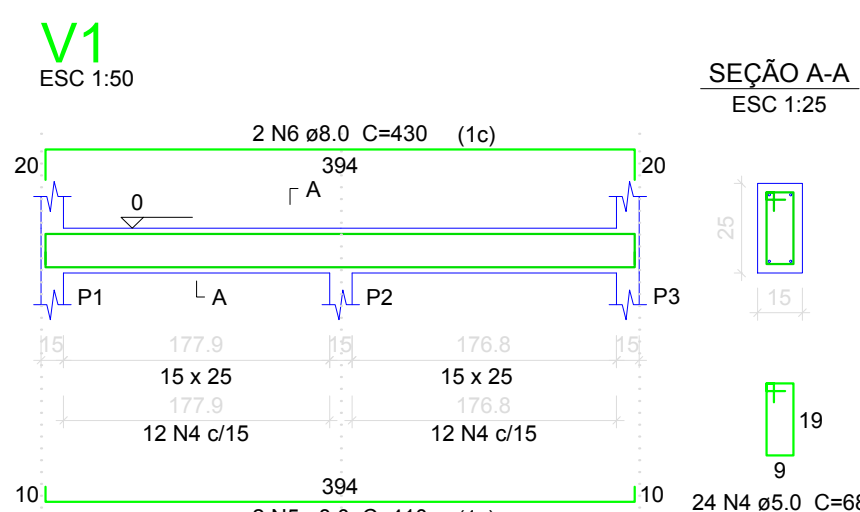
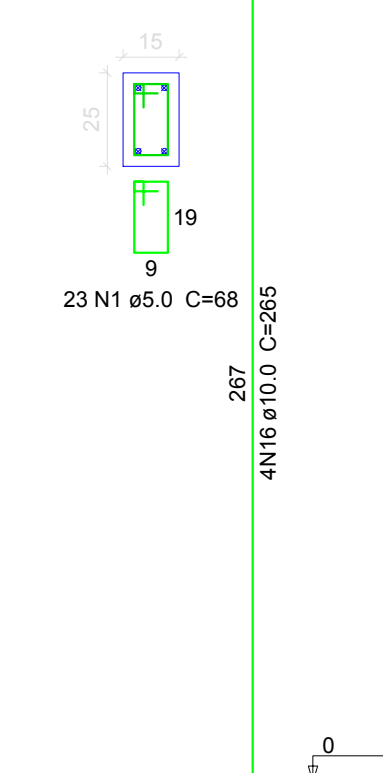
P1=P3

VIGAS COBERTURA - L2  
ESC 1:20

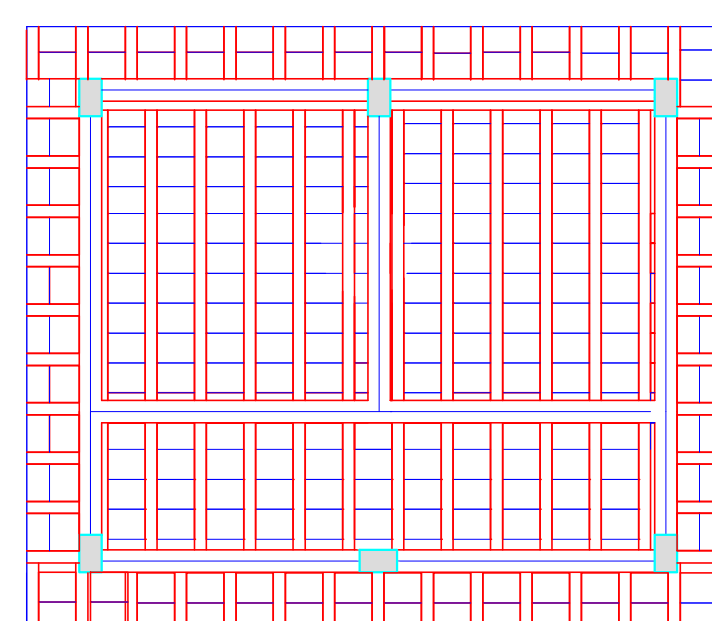


P5=P7

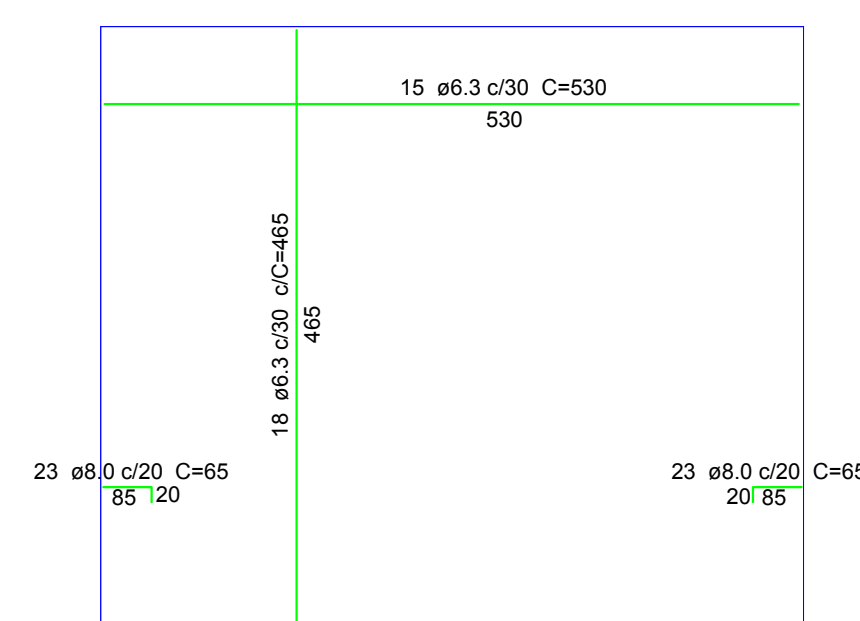
VIGAS COBERTURA - L2  
ESC 1:20



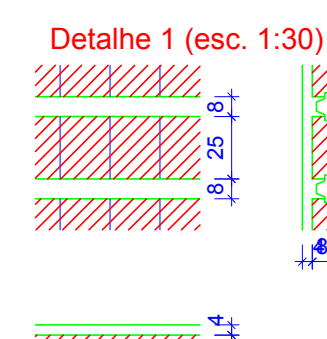
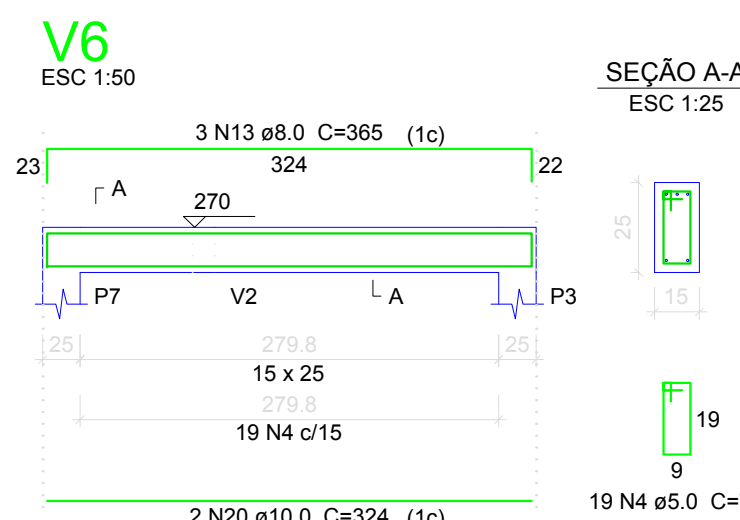
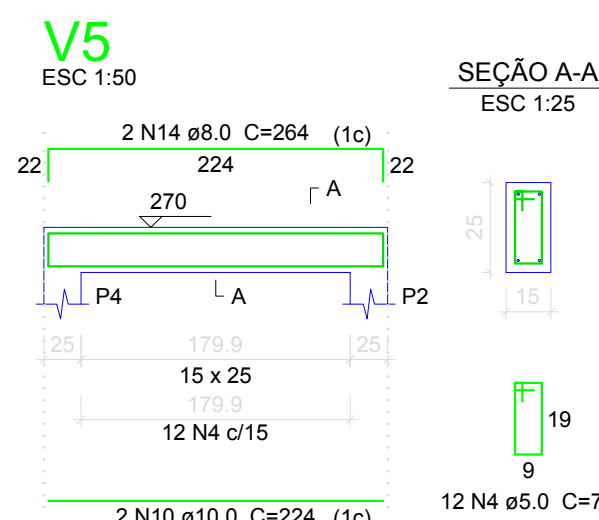
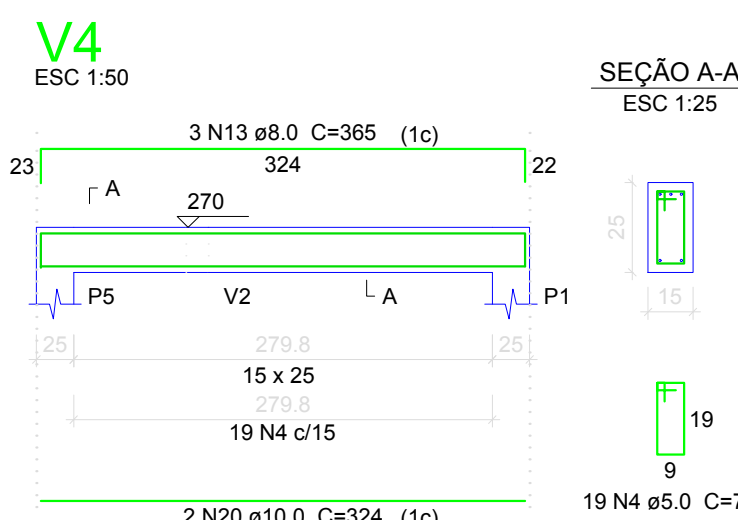
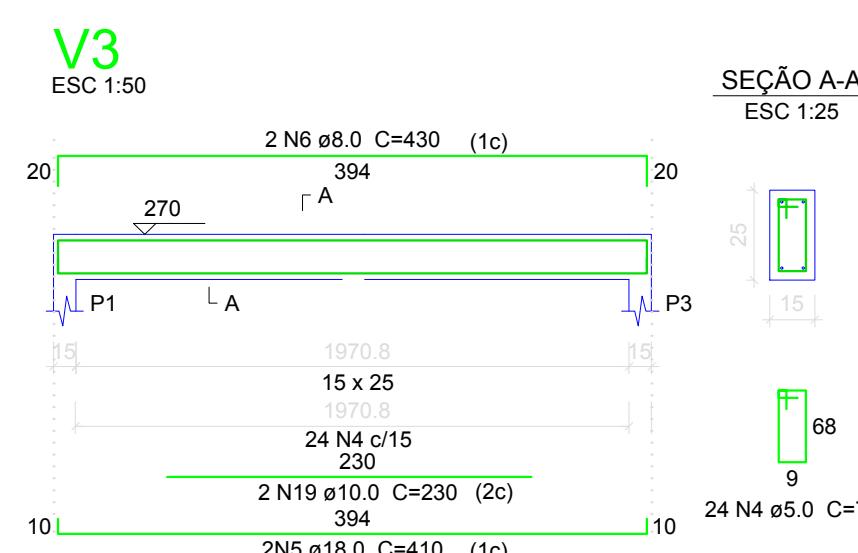
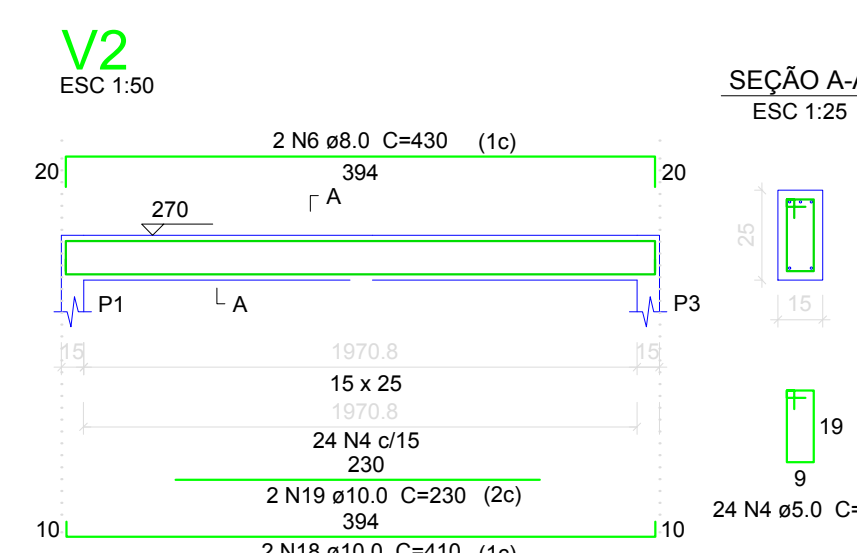
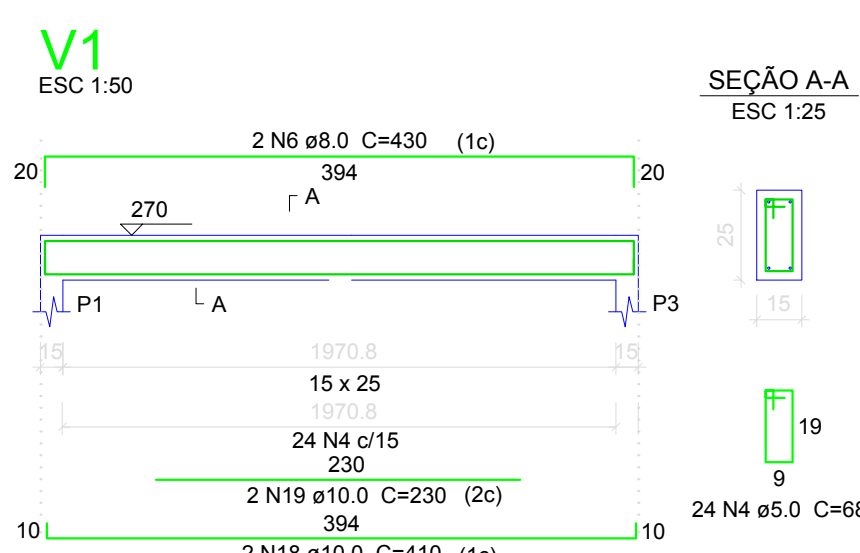
Forma do pavimento  
vigas cobertura  
escala 1:50



## Detalhe da laje



## Detalhe da laje







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P7	15 x 25	0	0

Legenda dos Pilares	
	Pilar que morre
	Pilar que passa
	Pilar que nasce
	Pilar com mudança de seção

Relação do aço

baldrame:	7x87	V1
	V2	V3
	V4	V5
	V6	
vigas cobertura:	7xP1	V1
	V2	V3
	V4	V5
	V6	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	217	68	14756
	2	5,0	14	192	2688
	3	5,0	35	196	6860
	4	5,0	244	68	15880
CA50	5	8,0	6	240	1440
	6	8,0	10	430	4300
	7	8,0	8	324	2592
	8	8,0	2	93	186
	9	8,0	4	340	1360
	10	8,0	4	696	2784
	11	8,0	2	240	480
	12	8,0	3	438	1314
	13	8,0	6	365	2190
	14	8,0	2	264	528
	15	10,0	28	VAP	VAP
	16	10,0	12	230	2760
	17	10,0	12	265	3180
	18	10,0	6	410	2460
	19	10,0	6	230	1380
	20	10	4	324	1296
	21	6,3	15	530	7950
	22	6,3	18	465	8370

Resumo do aço			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	168,1	42.3
	8.0	106.5	64.6
	10.0	113.2	76.7
CA60	5.0	388.0	62.10
PESO TOTAL (kg)			
CA50	200.50		
CA60	73.5		

Volume de concreto (C-25) = 3.22 m<sup>3</sup>  
Área de forma = 32.70 m<sup>2</sup>

PROJETO:			
PROJETO ESTRUTURAL			
PROPRIETÁRIO:		ESCALA:	
O MUNICÍPIO DE SÃO JOSÉ DAS PALMEIRAS		INDICADA	
OBRA:		DATA:	
SANITÁRIOS		MARÇO/2021	
LOCAL:		PRANCHA:	
CEMITÉRIO MUNICIPAL DE SÃO JOSÉ DAS PALMEIRAS PR		02/02	
REFERÊNCIA:			
FERRAGEM ESTACAS, BLOCOS E VIGA BALDRAME			
PROPRIETÁRIO:		RESPONSÁVEL TÉCNICO:	
O MUNICÍPIO DE SÃO JOSÉ DAS PALMEIRAS		Eng.ª Civil Sabrina Nunes CREA: PR-168012/D	