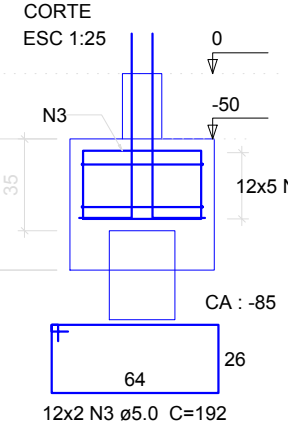
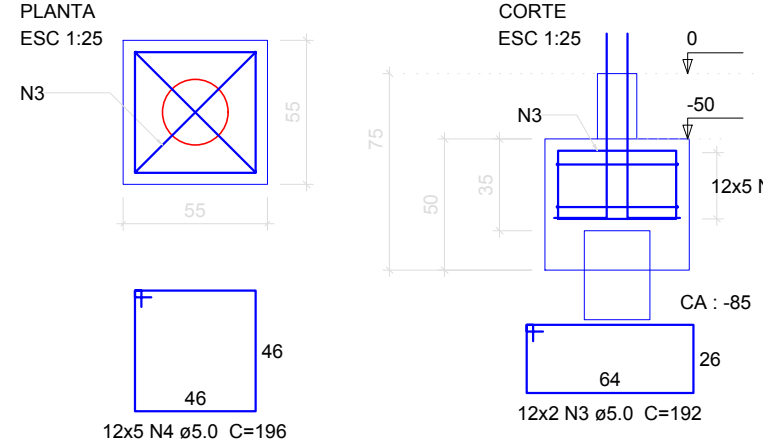
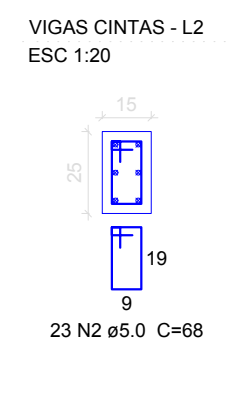


Forma do pavimento baldrame

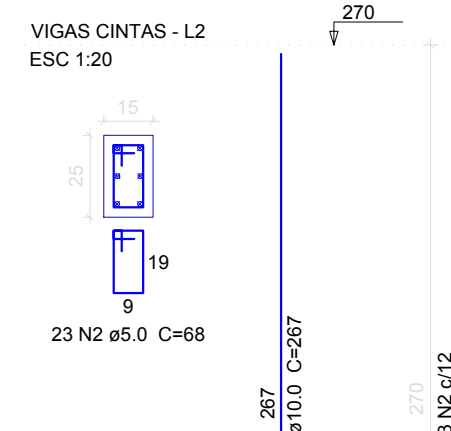
B1=B2=B3=B4=B5=B6= B7=B8=B9=B10=B11=B12 1xR25



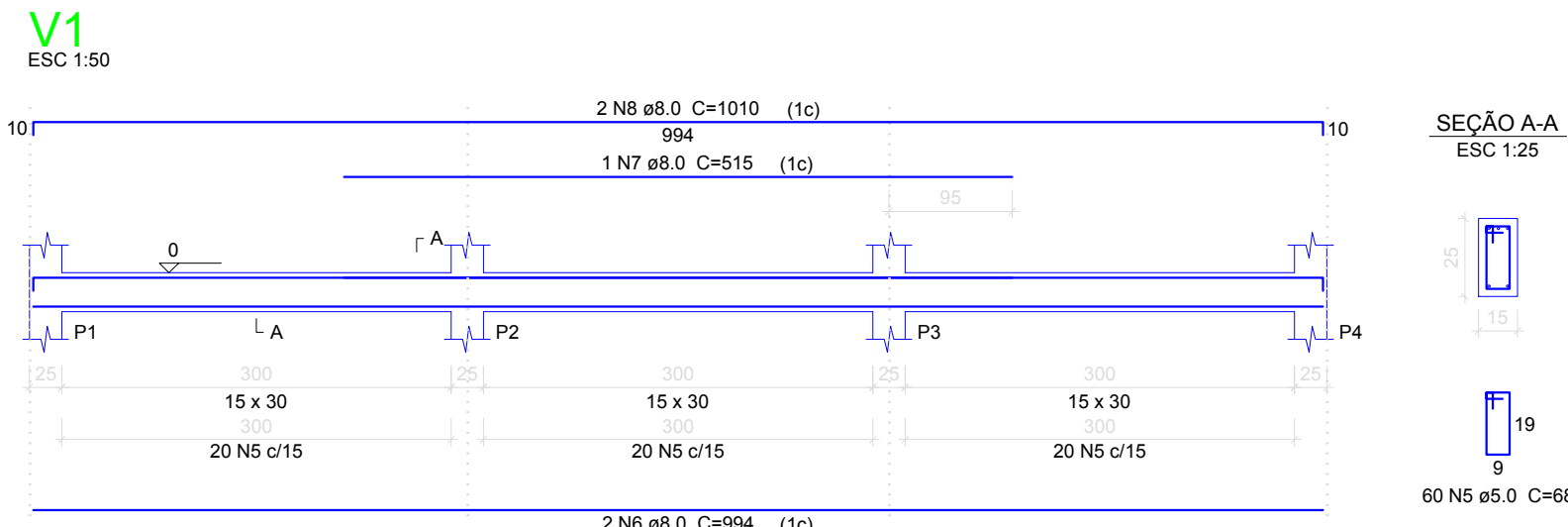
P1=P4=P9=P12



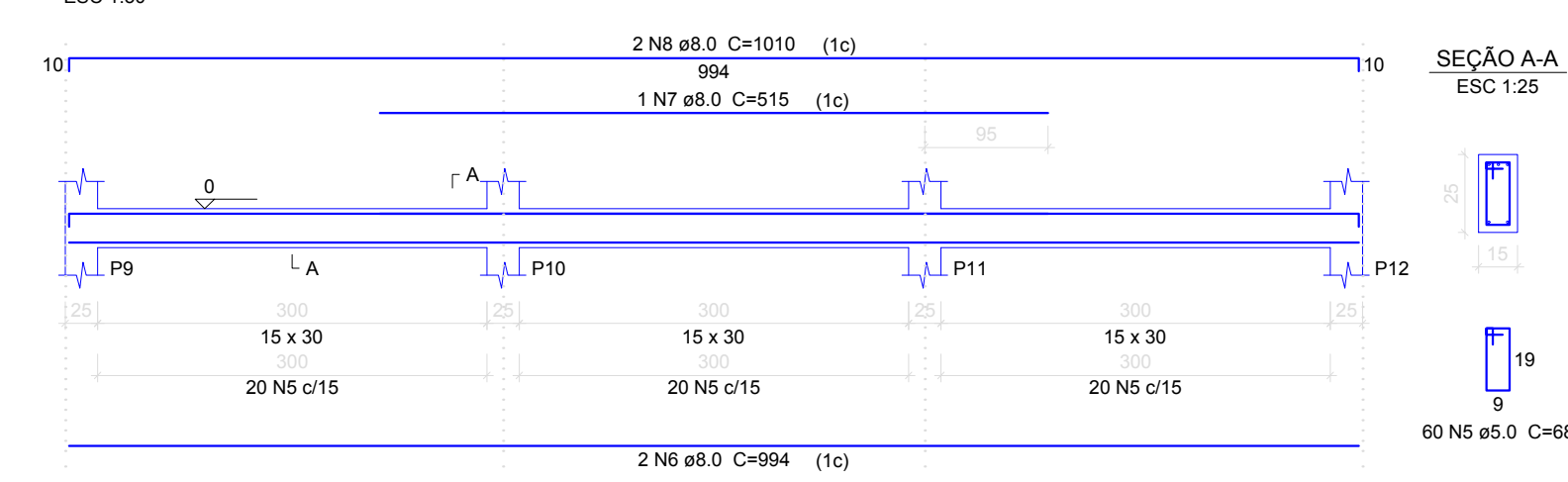
P2=P3=P5=P6=P7=P8=P10=P11



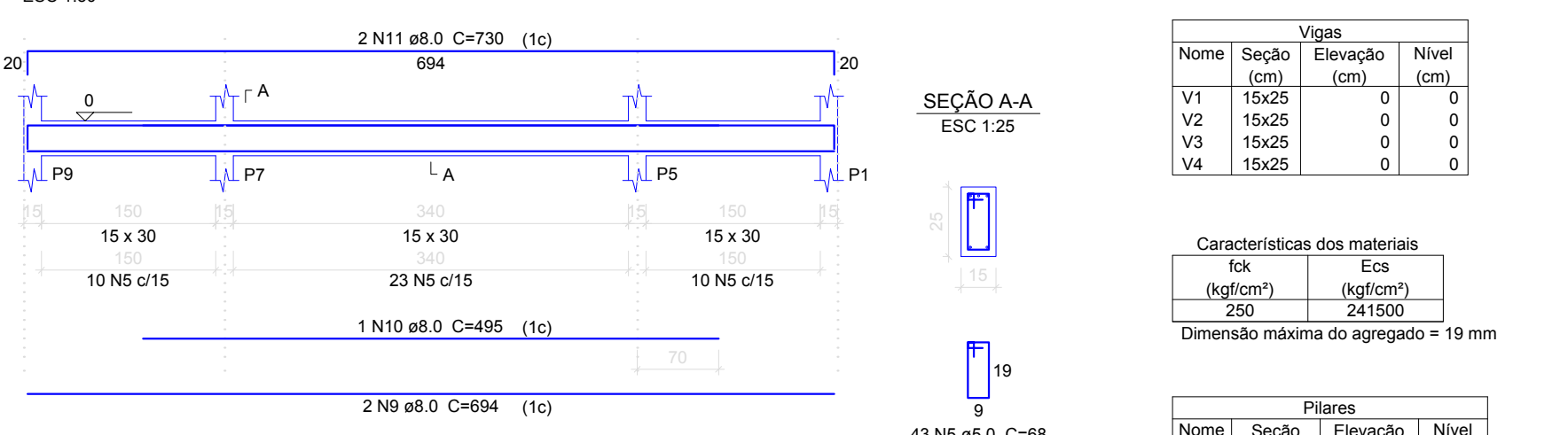
V1



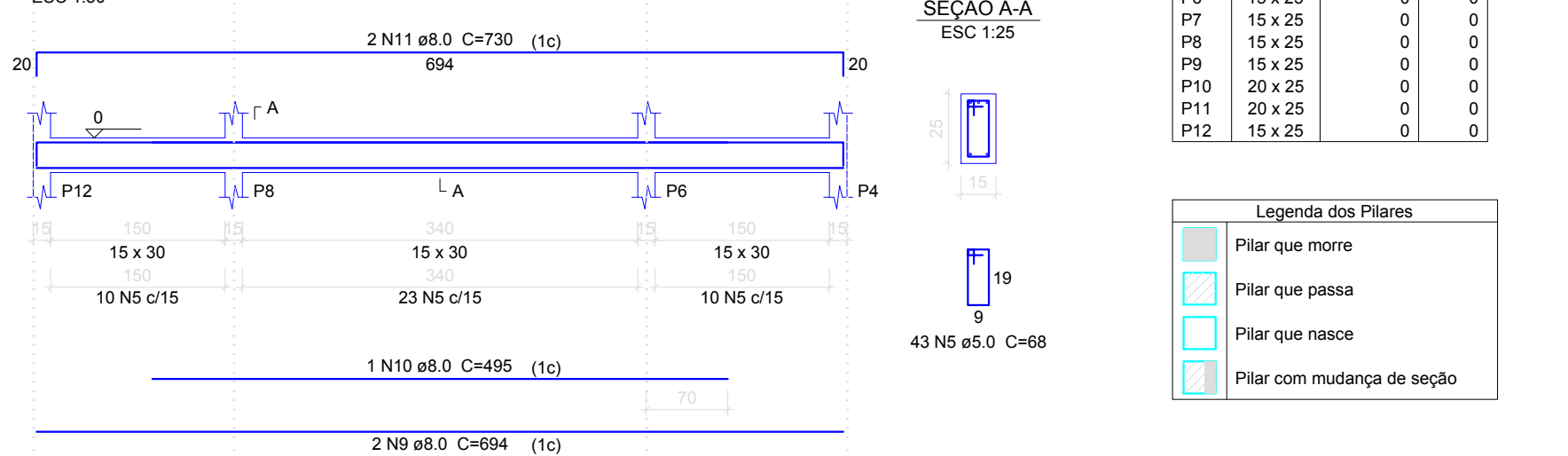
V2



V3



V4

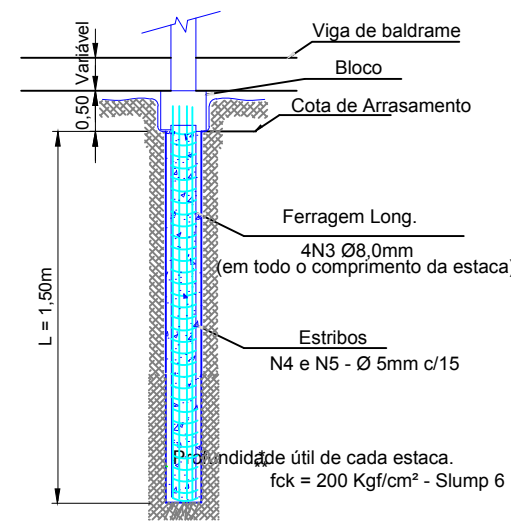


Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x25	0	0
V2	15x25	0	0
V3	15x25	0	0
V4	15x25	0	0

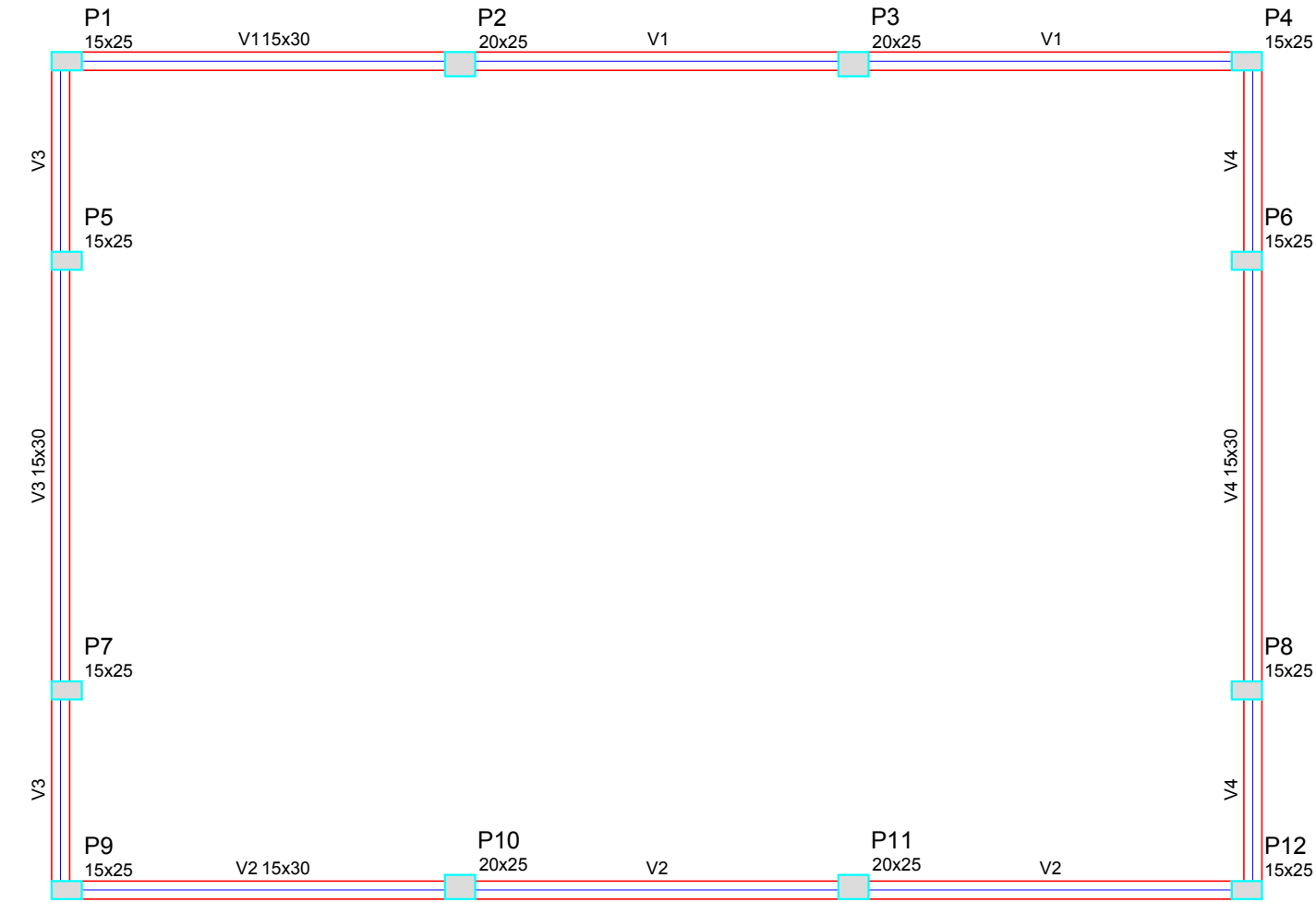
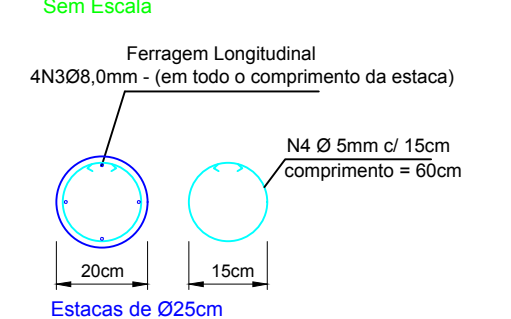
Características dos materiais		
fck	Ecs	(kgf/cm²)
250	241500	

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	15 x 25	0	0
P2	20 x 25	0	0
P3	20 x 25	0	0
P4	15 x 25	0	0
P5	15 x 25	0	0
P6	15 x 25	0	0
P7	15 x 25	0	0
P8	15 x 25	0	0
P9	15 x 25	0	0
P10	20 x 25	0	0
P11	20 x 25	0	0
P12	15 x 25	0	0

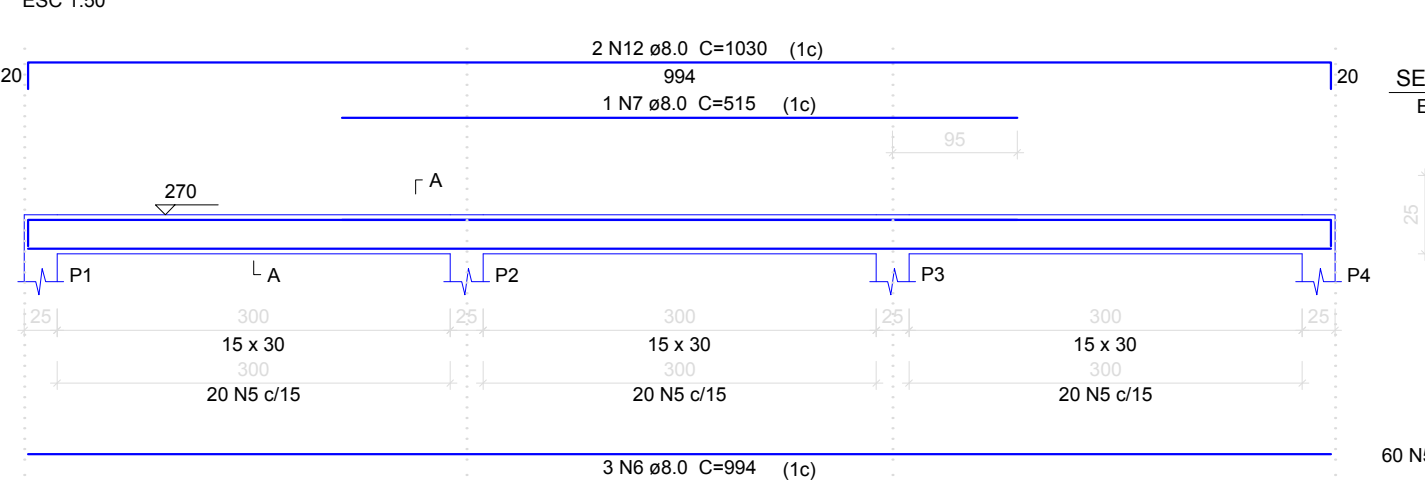
Legenda dos Pilares			
	Pilar que morre		
	Pilar que passa		
	Pilar que nasce		
	Pilar com mudança de seção		



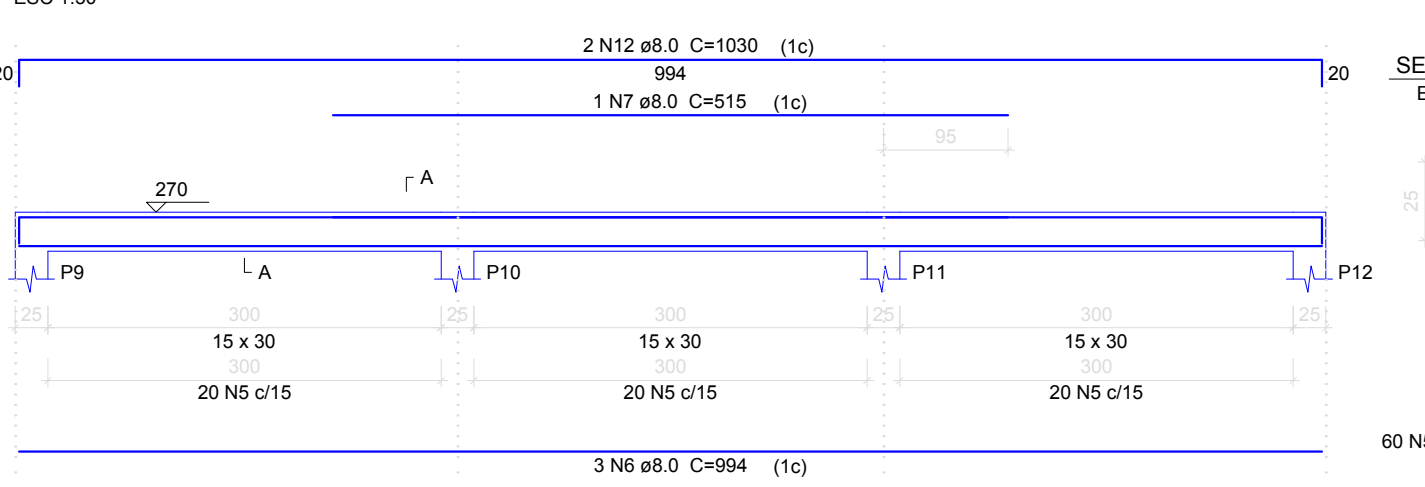
Estacas Escavadas



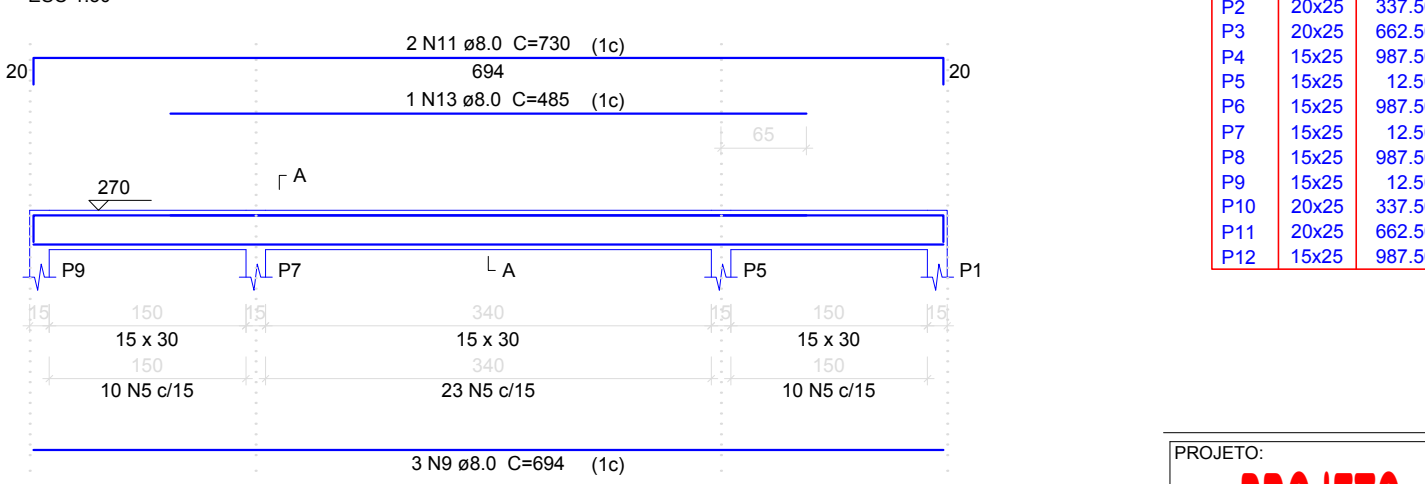
V1



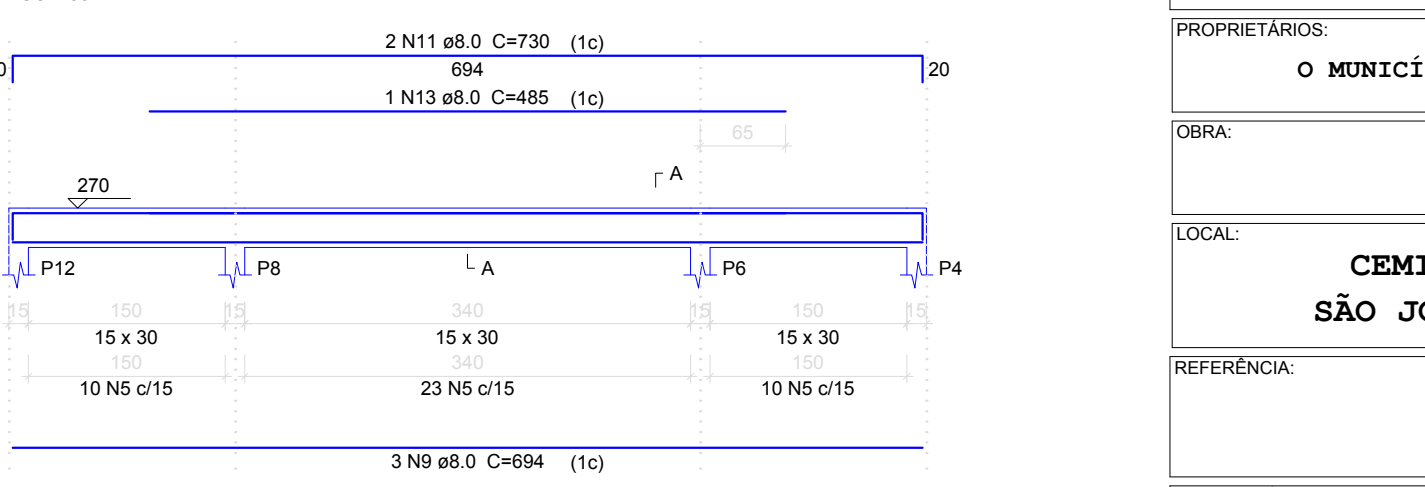
V2



V3



V4



Relação do aço

baldrame:		B12	V1
		V2	V3
vigas cintas:		4xP1	4xP2
		4xP5	V1
		V2	V3
		V4	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	116	78	9048
	2	5.0	248	68	16864
	3	5.0	24	192	4608
	4	5.0	60	196	11760
CA50	5	5.0	412	68	32136
	6	8.0	10	994	9940
	7	8.0	4	515	2060
	8	8.0	4	1010	4040
	9	8.0	10	694	6940
	10	8.0	2	495	990
	11	8.0	8	730	5840
	12	8.0	4	1030	4120
	13	8.0	2	485	970
	14	10.0	32	VAR	VAR
	15	10.0	72	287	19224
	16	12.5	24	VAR	VAR

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	315.3	136.8
	10.0	236.1	160.1
CA60	5.0	744.2	36.9
			126.2

Volume de concreto (C-25) = 5,9 m³
Área de forma = 69,2 m²

Pilar									
Nome	Seção (cm)	X (cm)	Y (cm)	Carga Máx. (tf)	Carga Min. (tf)	Mx (kgf.m)	My (kgf.m)	Fx (tf)	Fy (tf)
P1	15x25	12.50	692.50	3.0	2.2	200	200	0.1	0.1
P2	20x25	337.50	690.00	5.6	5.2	900	400	0.6	0.3
P3	20x25	662.50	690.00	5.6	5.2	900	400	0.6	0.3
P4	15x25	987.50	692.50	3.0	2.2	200	200	0.1	0.1
P5	15x25	12.50	627.50	4.6	4.4	500	500	0.2	0.9
P6	15x25	987.50	627.50	4.6	4.4	500	500	0.2	0.9
P7	15x25	12.50	172.50	4.6	4.4	500	500	0.2	0.9
P8	15x25	987.50	172.50	4.6	4.4	500	500	0.2	0.9
P9	15x25	12.50	7.50	3.0	2.2	200	200	0.1	0.1
P10	20x25	337.50	10.00	5.6	5.2	900	400	0.6	0.3
P11	20x25	662.50	10.00	5.6	5.2	900	400	0.6	0.3
P12	15x25	987.50	7.50	3.0	2.2	200	200	0.1	0.1

PROJETO:
PROJETO ESTRUTURAL

PROPRIETÁRIOS:
O MUNICÍPIO DE SÃO JOSÉ DAS PALMEIRAS

OBRA:
CAPELA

LOCAL:
CEMITÉRIO MUNICIPAL DE SÃO JOSÉ DAS PALMEIRAS PR

REFERÊNCIA:
ESTACAS - BLOCOS- VIGAS E PILARES

ESCALA:
INDICADA

DATA:
MARÇO, 2021

PRANCHAS:
01/02

RESPONSÁVEL TÉCNICO:
Eng.ª Civil Sabrina Nunes
CREA: PR-168012/D