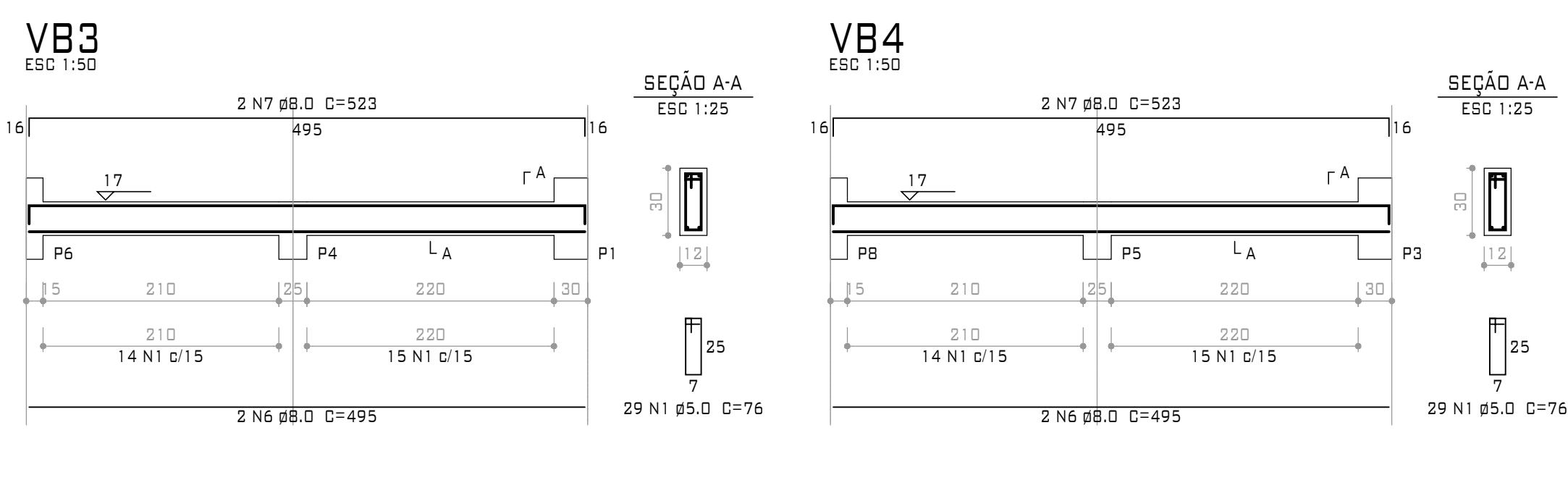
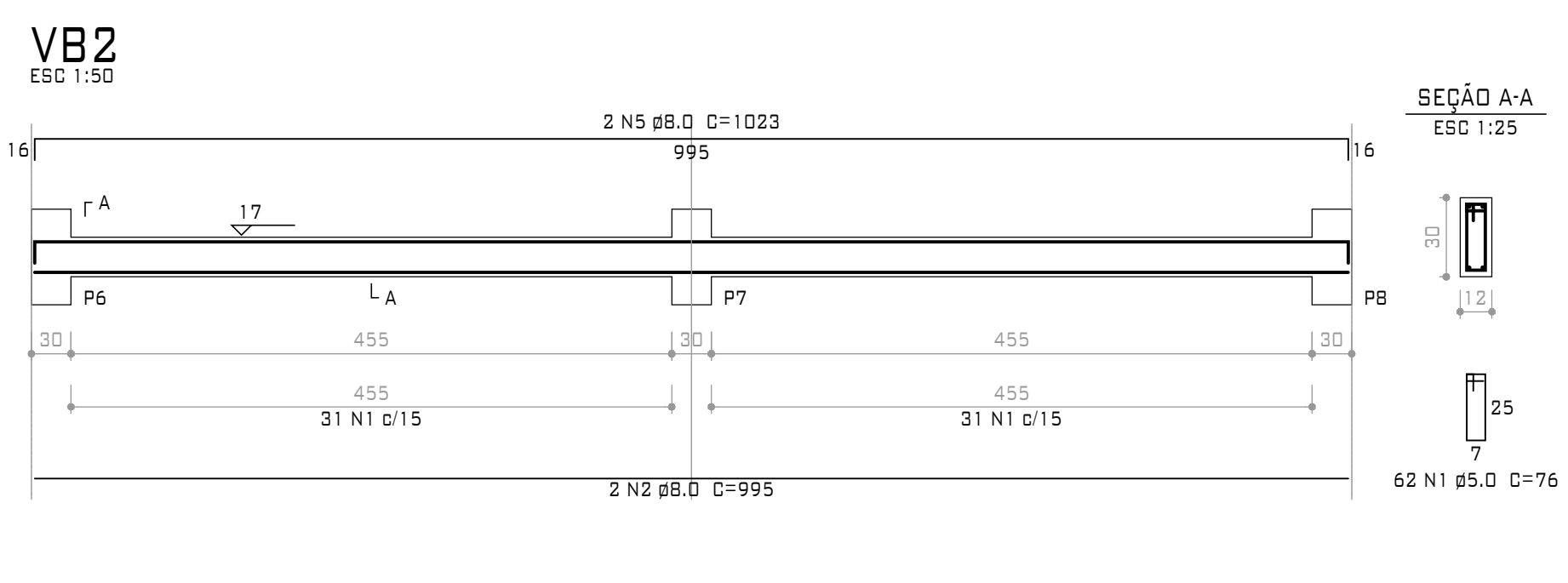
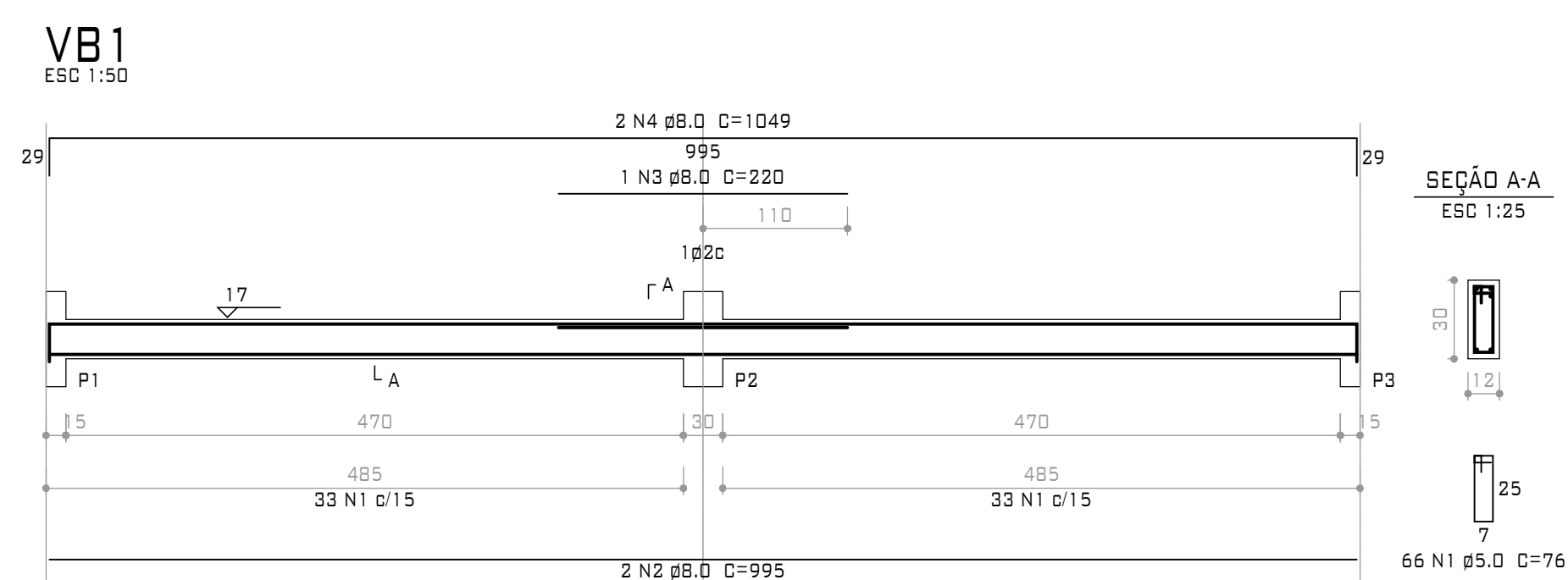
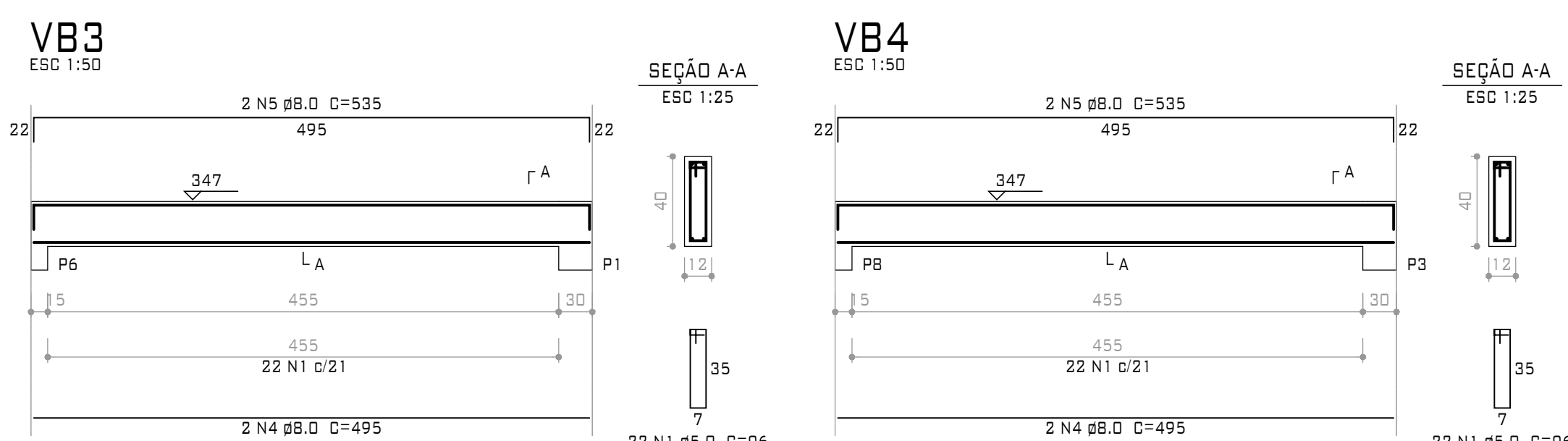
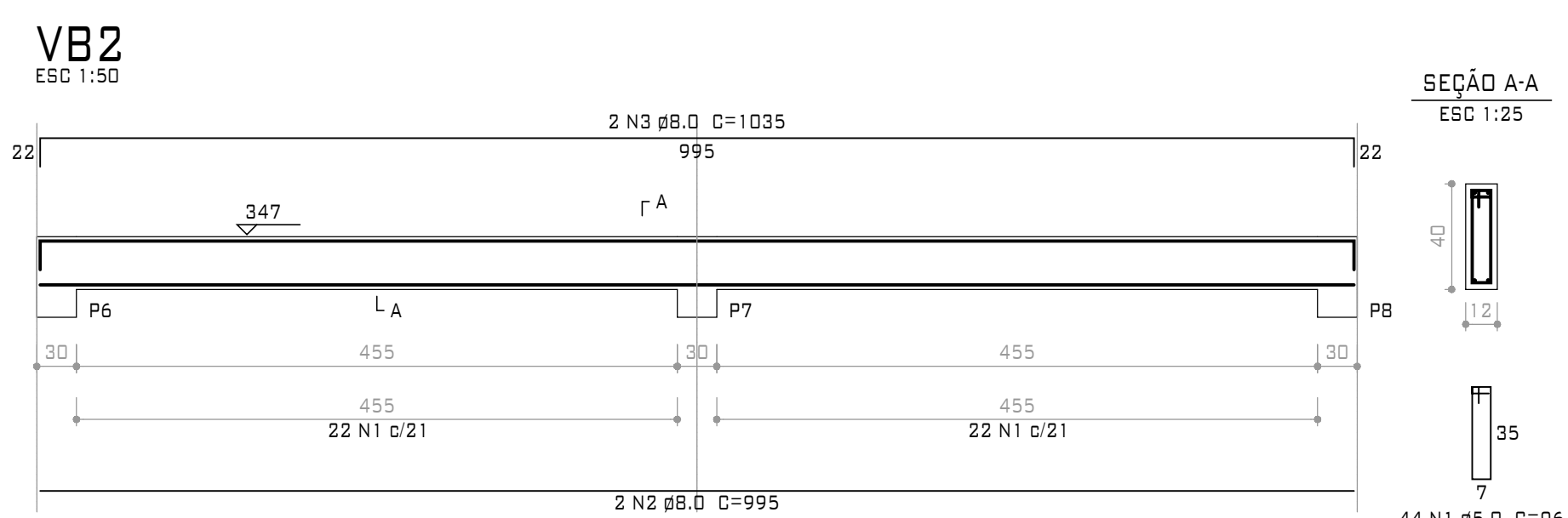
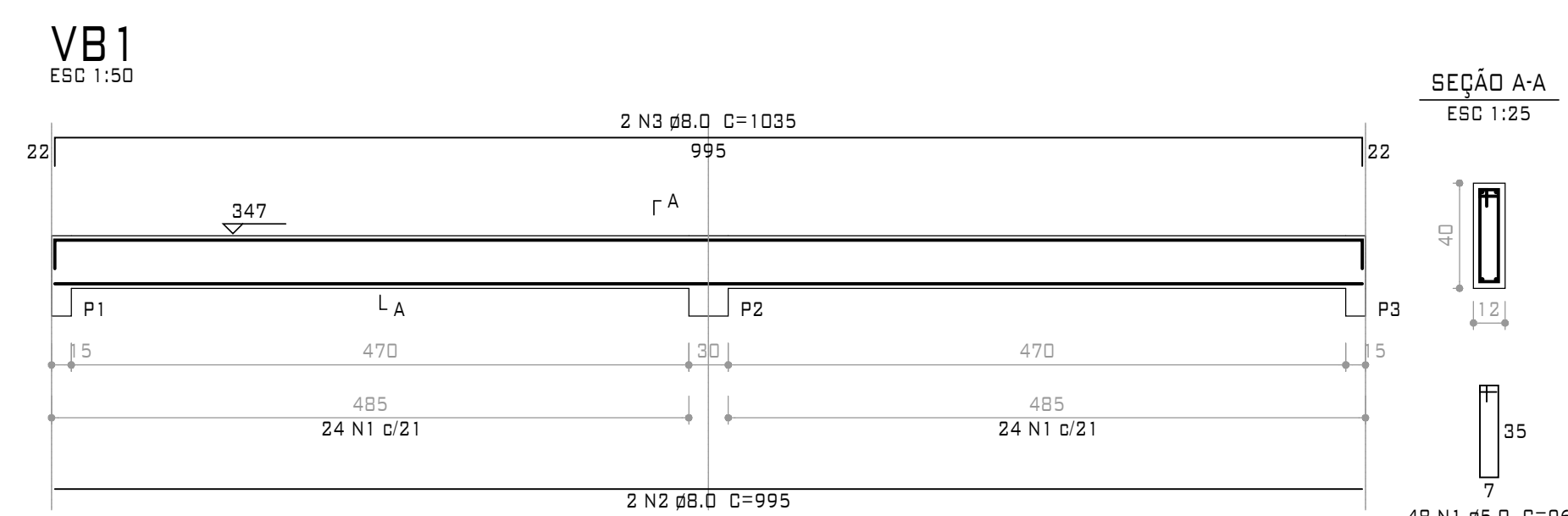
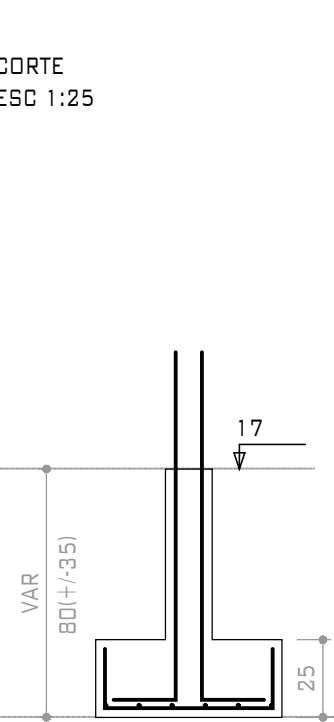
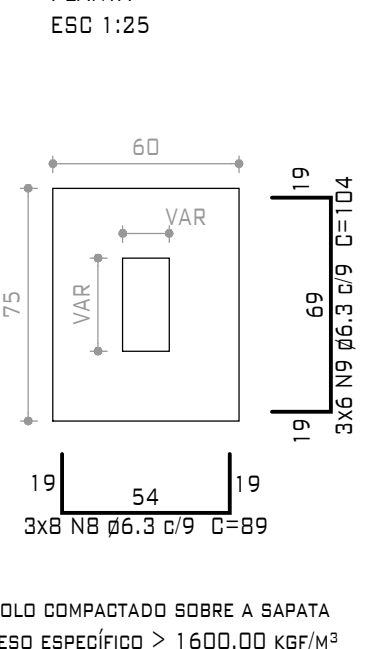
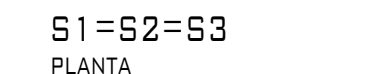
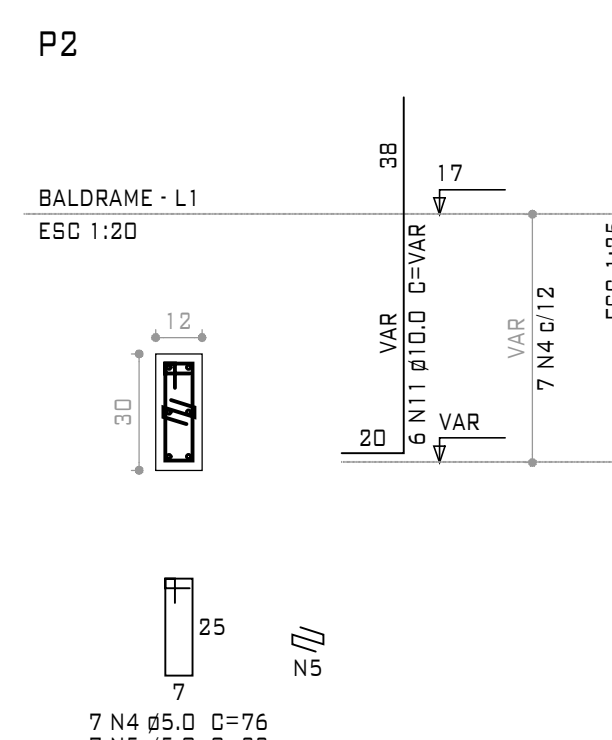
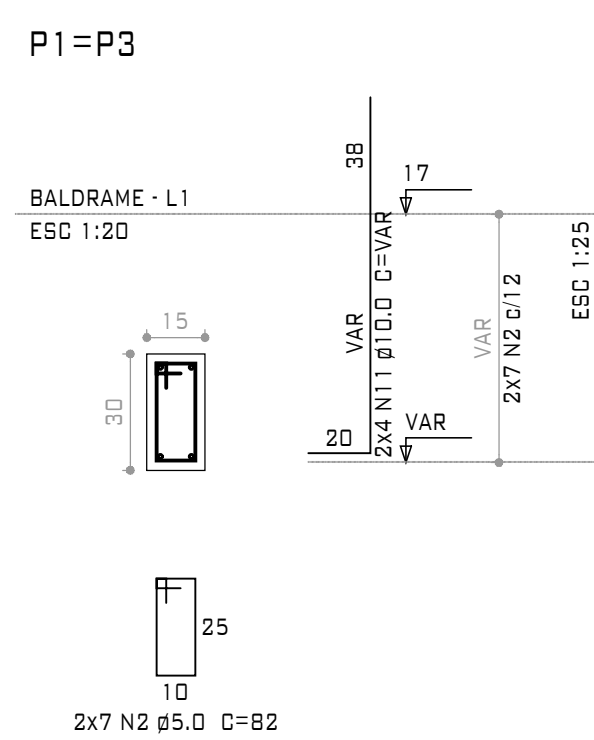
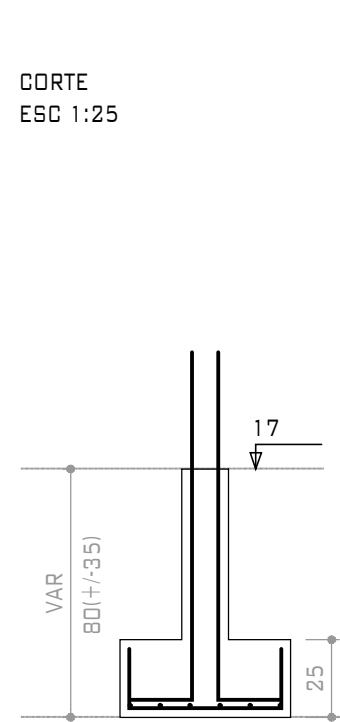
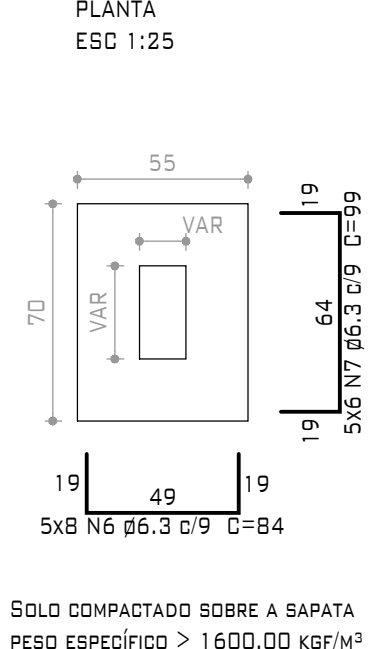
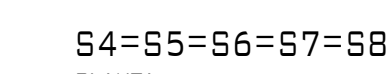
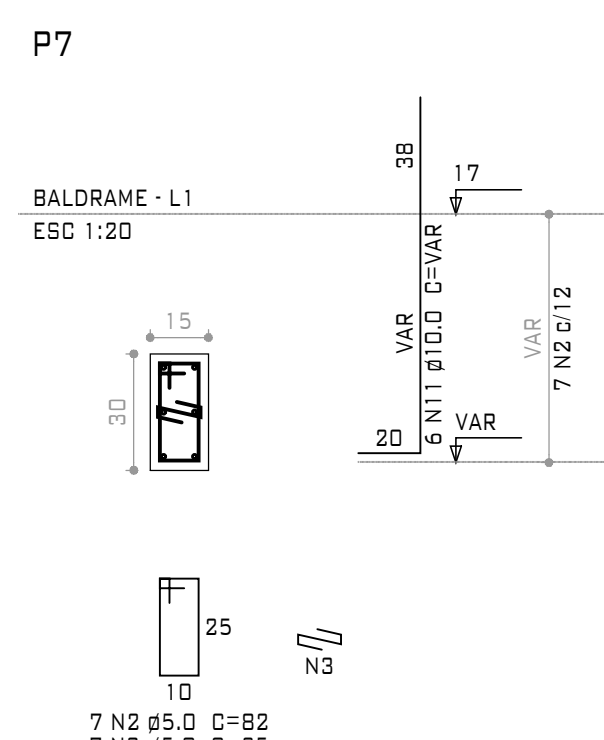
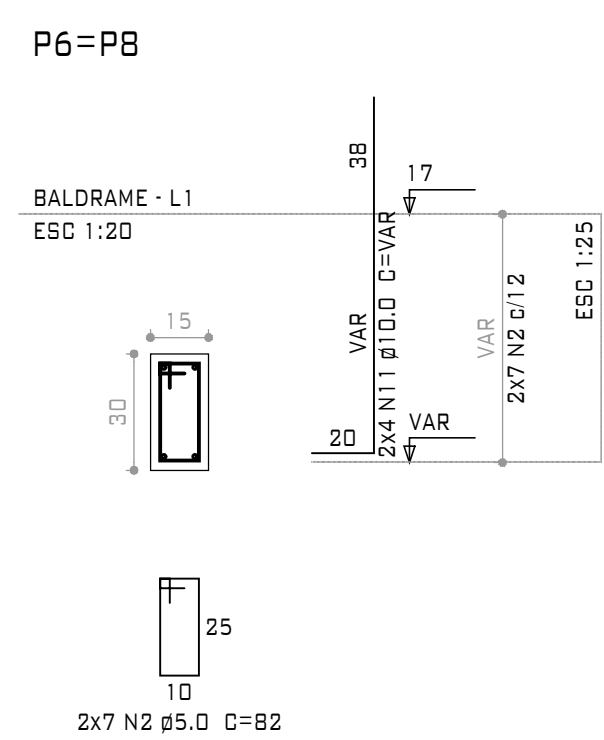
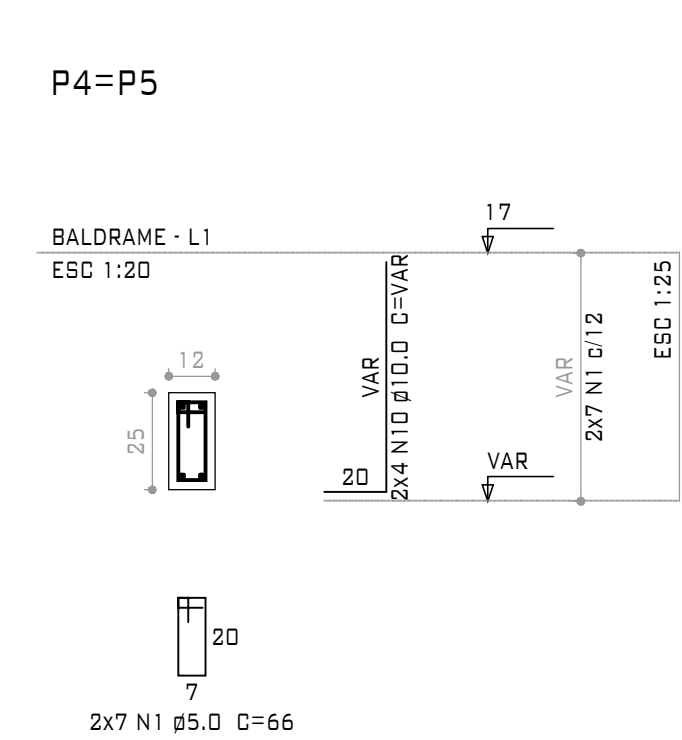




RELAÇÃO DO AÇO							
VB1		VB2		VB3			
VB4							
AÇO	N	DIAM (mm)	QUANT (BARREAS)	UNIT (kg)	C.TOTAL (kg)		
CASO	2	5,0	185	76	14136		
CASO	2	5,0	1	995	3980		
	3	8,0	1	220	220		
	4	8,0	2	1049	2098		
	5	8,0	2	1023	2046		
	6	8,0	4	495	1980		
	7	8,0	4	523	2092		
RESUMO DO AÇO							
AÇO	DIAM (mm)	C.TOTAL (kg)	PESO x 10 % (kg)				
CASO	8,0	124,2	53,9				
CASO	8,0	141,4	59,2				
PESO TOTAL (kg)							
CASO	53,9						
CASO	59,2						
VOLUME DE CONCRETO (Q=25) = 1,08 m³							
ÁREA DE FERRA = 21,5 cm²							



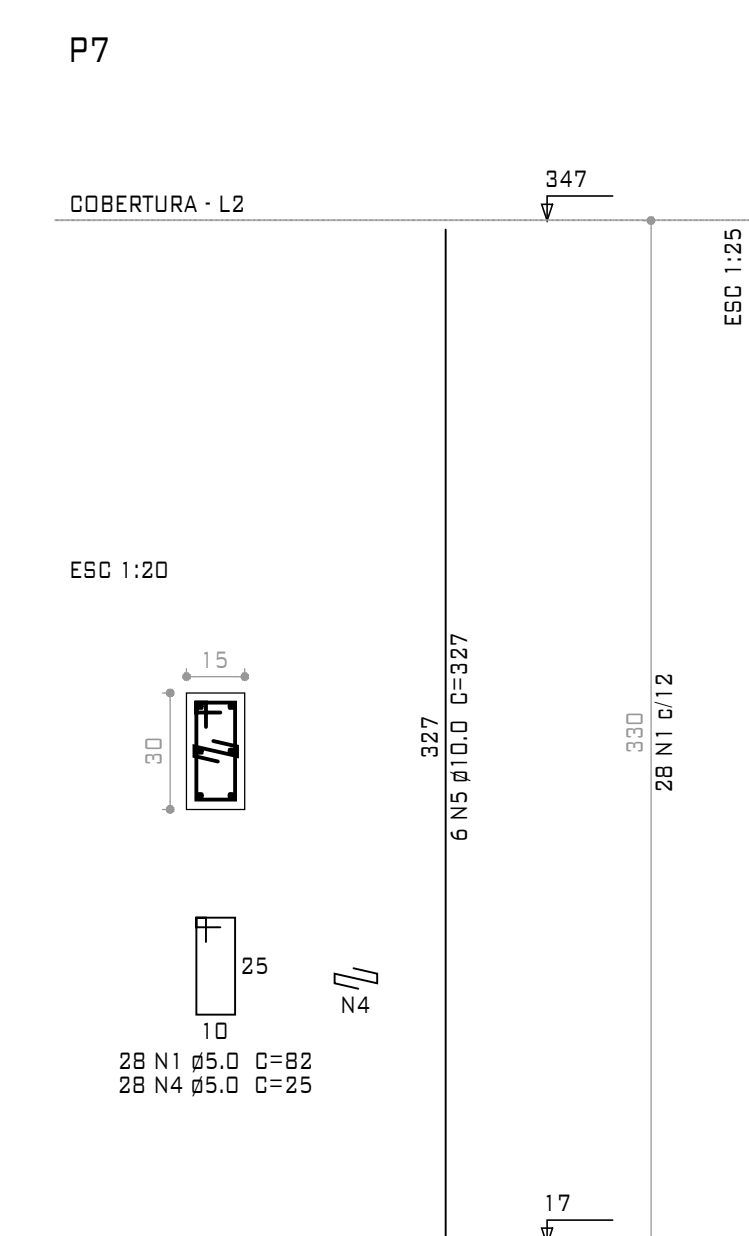
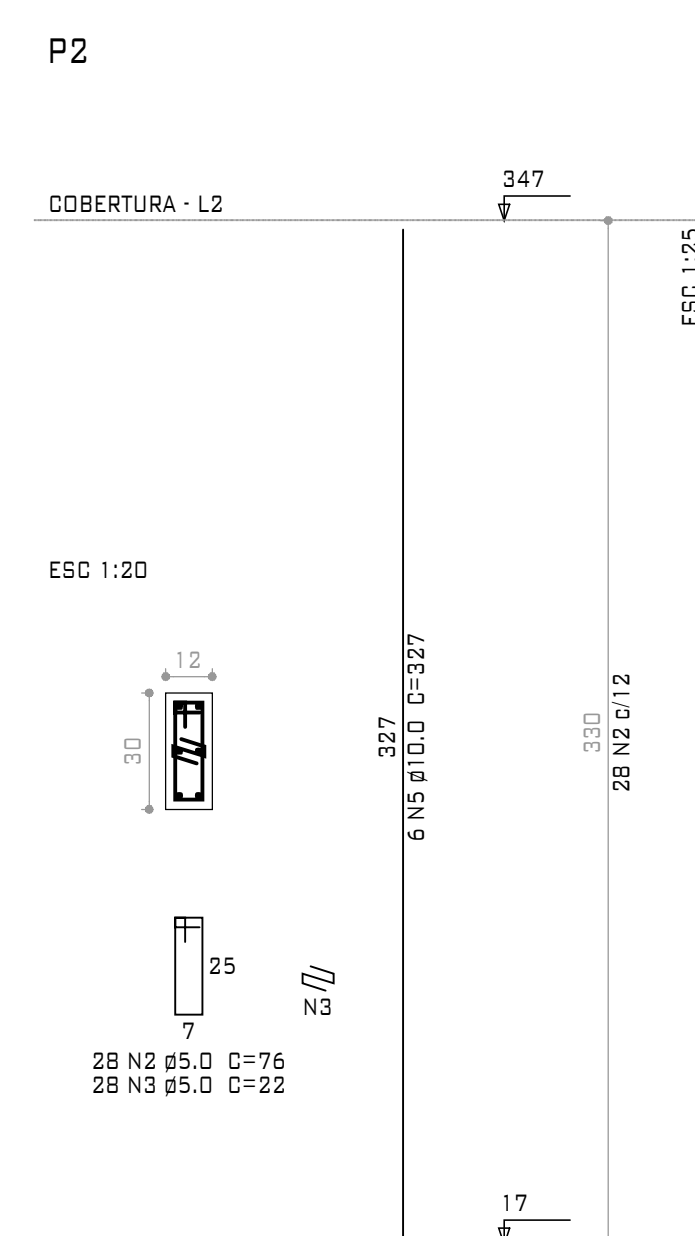
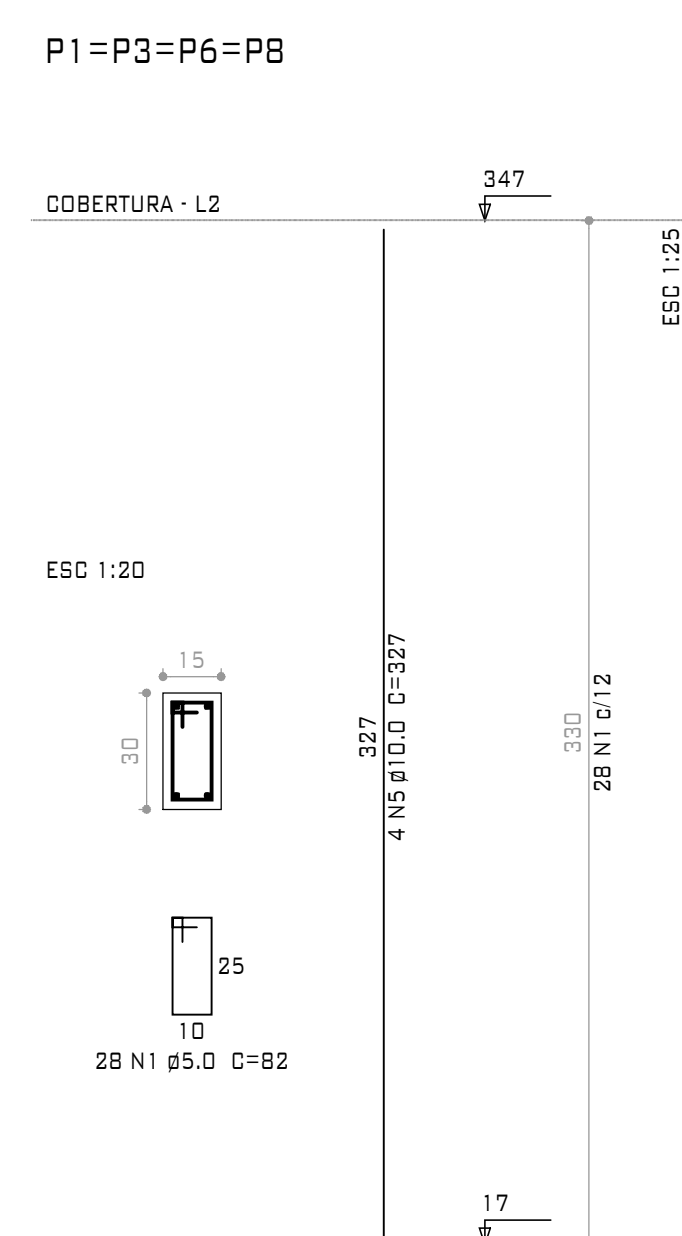
RELAÇÃO DO AÇO					
VB1 VB4		VB2		VB3	
AÇO	N	DIAM. [mm]	QUANT. (BARRAS)	UNIT [kg]	C.TOTAL [kg]
CA50	1	5,0	136	96	13056
	2	8,0	4	995	3980
	3	8,0	4	1035	4140
	4	8,0	4	495	1980
	5	8,0	4	535	2140
RESUMO DO AÇO					
AÇO	DIAM. [mm]	C.TOTAL [kg]	PESO + 10 % [kg]	%	
CA50	5,0	122,4	4	53,1	
CA60	5,0	130,6	4	22,1	
PESO TOTAL					
	[kg]				
CA50	53,1				
CA60	22,1				



RELACÃO DO AÇO					
S1	S6				
AÇO	N	DIAM (mm)	QUANT (BARRAS)	UNIT	C.TOTAL [m2]
CA50	1	5,0	14	65	924
	2	5,0	35	82	2870
	3	5,0	7	23	175
	4	5,0	7	26	132
	5	5,0	7	72	534
	6	6,3	40	82	154
CA50	6	6,3	40	82	3360
	7	6,3	30	99	2920
	8	6,3	24	89	2136
	9	6,3	18	104	1872
	10	10,0	8	VAR	VAR
	11	10,0	28	VAR	VAR

RESUMO DO AÇO				
AÇO	DIAM (mm)	C.TOTAL (m2)	PESO + 10 % (kg)	
CA50	6,3	102,4	34	27,8
	10,0	44,6	30	
PESO TOTAL	6,3	46,6	79	
PESO TOTAL (kg)				
CA50	58,1			
CA50	7,9			

FUNDAÇÃO
ESCALA INDICADA

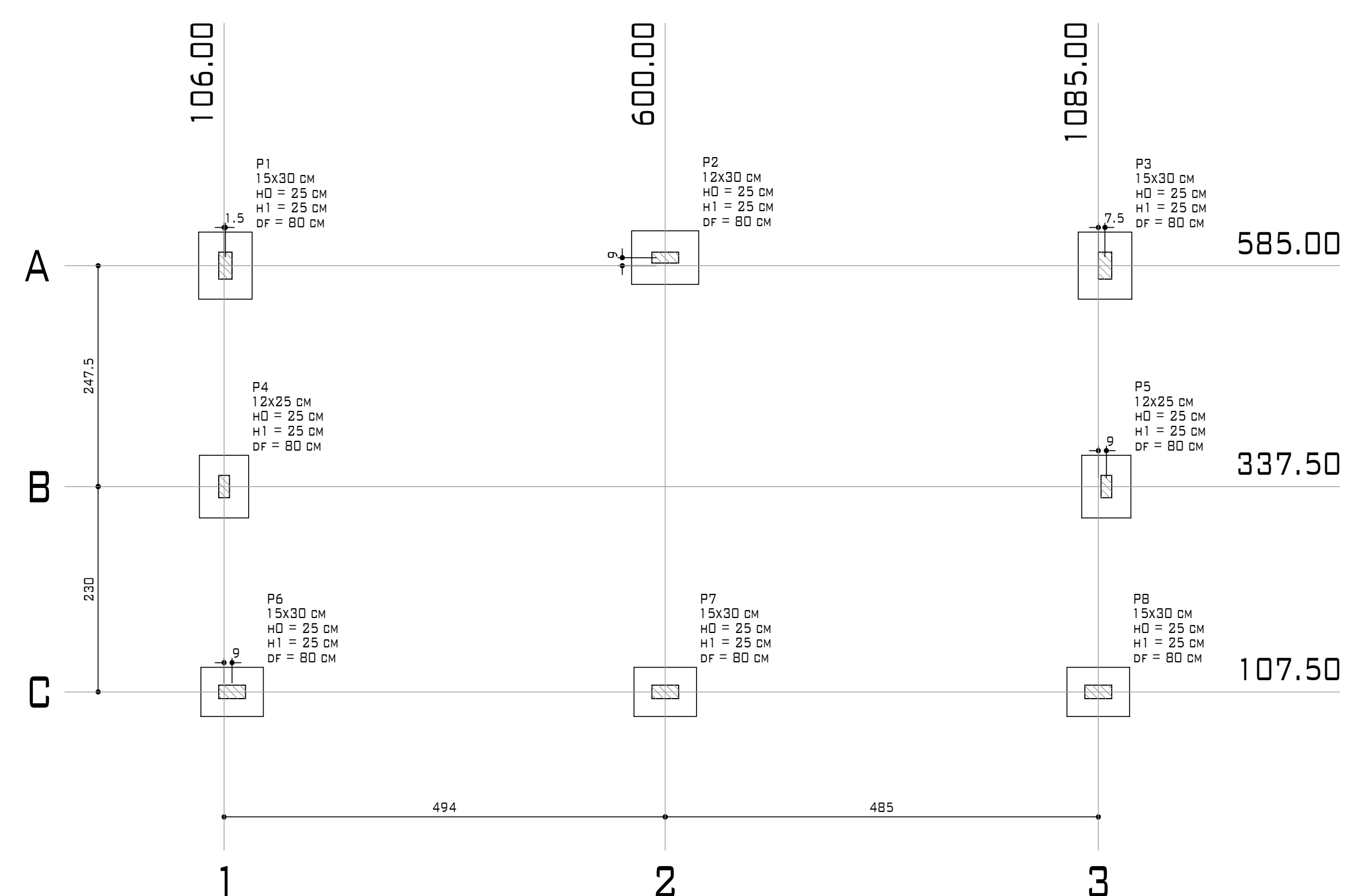
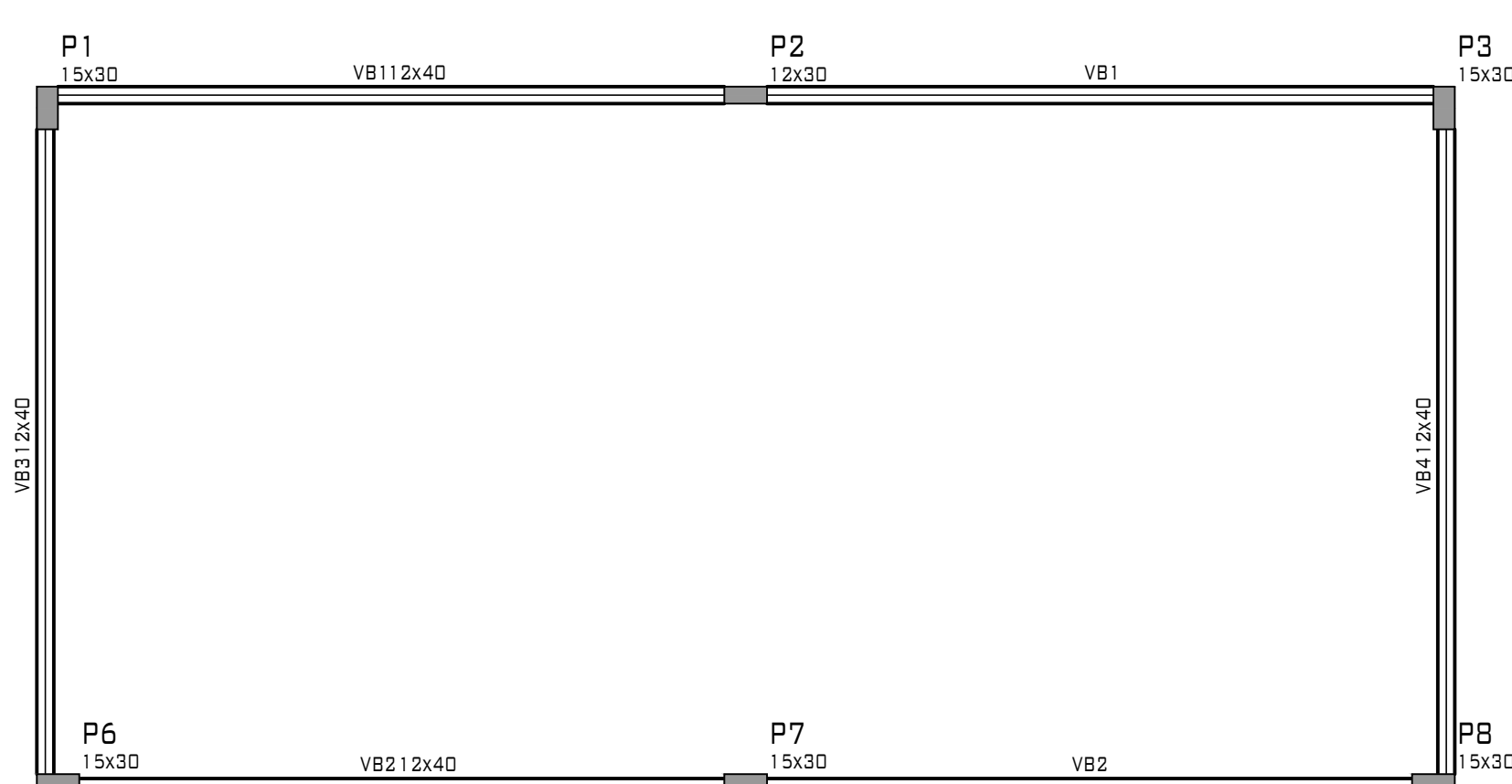
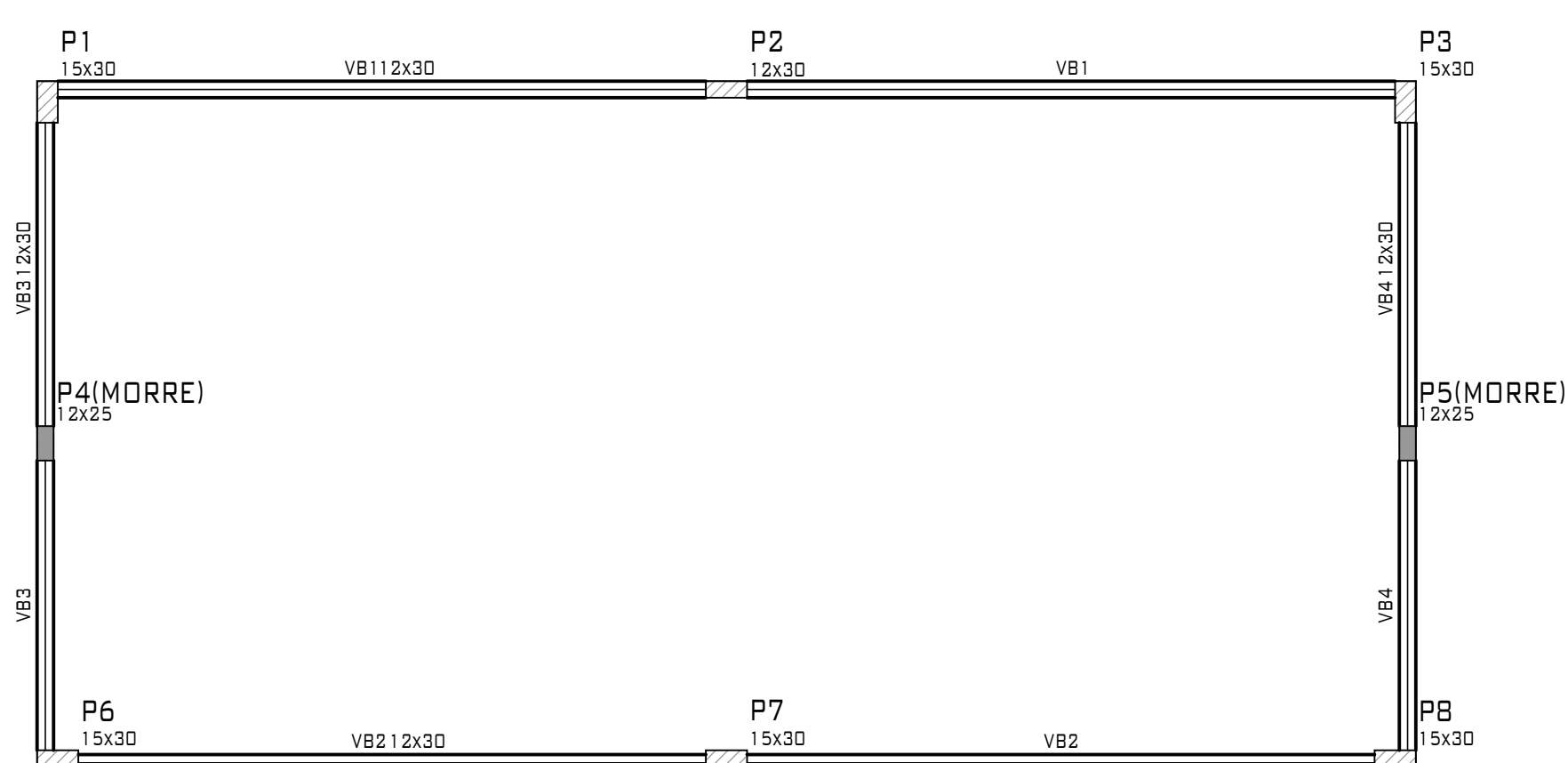


RELAÇÃO DO AÇO					
4xP1		P2		P7	
AÇO	N	DIAM (mm)	QUANT (BARRAS)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	140	82	11480
	2	5,0	28	76	2128
	3	5,0	28	22	616
	4	5,0	28	25	700
CA50	5	10,0	28	327	9156

RESUMO DO AÇO				
AÇO	DIAM (mm)	C.TOTAL (cm)	PESD + 10 % (kg)	%
CA60	5,0	91,6	62,1	25,3
CA50	5,0	149,3	105,3	
PESG TOTAL (kg)				
CA60	62,1			
CA60	62,1			

VOLUME DE CONCRETO (C-25) = 0,86 m³
 DESP. DE CIMENTO = 17,25 kg

PILARES
ESCALA INDICADA



PREFEITURA:		CREA:				
		BOMBEIRO OU NATURATINS				
PROJETO ESTRUTURA DE CONCRETO		Francha				
OBRA PÚBLICA		ÚNICA				
OBRA: ACADEMIA		Data:				
Proprietário: PREFEITURA MUNICIPAL DE PIUM		18/08/2020				
ENDEREÇO: Rua Ana Ferreira de Carvalho, Lt. 10,Qd 10, Bairro Popular CIDADE PIUM - TO						
QUADRO DE ÁREAS		Assinatura				
CONFORME O PROJETO ARQUITETÔNICO		Proprietário				
		Nome: Prefeitura Municipal de PIUM - TO				
		Assinatura				
		Nome: Paulo Siqueira Bado Arquiteto & Urbanista				
		Assinatura				
AUTOR DO PROJETO		Nome:				
ART:		Assinatura:				
CAU-TO: A37594-2		Nome:				
Resp. Técnico.						
ART:						
CREA:						
ESCALA INDICADA						
CONTEÚDO:		Revisão:	Descrito	Revisado:	Aprovado:	Data:
- Projeto Estrutural						
- Resumo do Aço						
- Detalhamento						
- Localização						
- Forma						

FATURAR:
DESTINO CÔPIA:
ESCALA: 1:50
COR LAYER
01 - RED
02 - YELLOW
03 - GREEN
04 - CYAN
05 - BLUE
06 - MAGENTA
07 - WHITE
08 -
09 -
10 -
autorização: