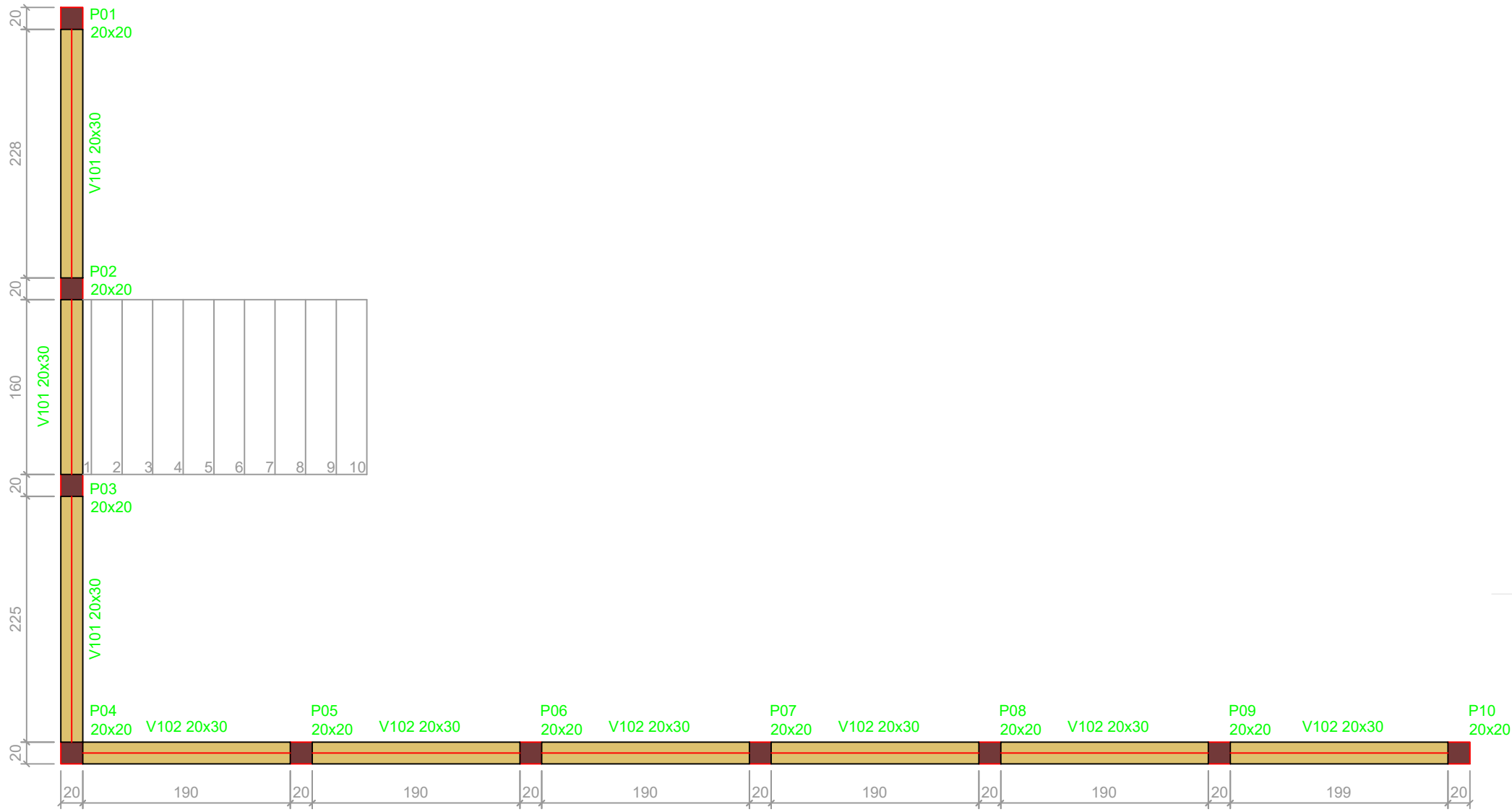
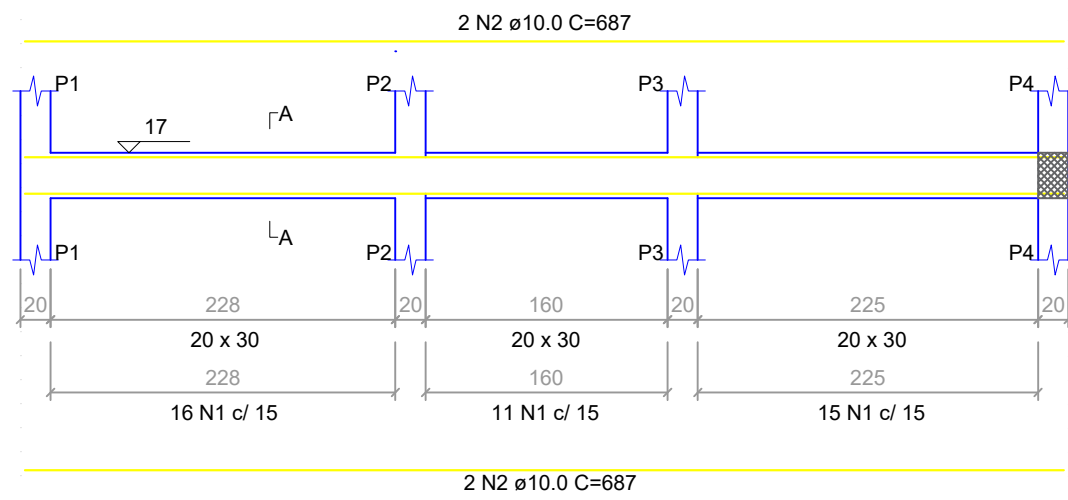


Legenda dos pilares	Legenda das vigas e paredes
Pilar que passa	Viga

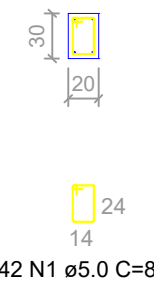


Forma vigas de baldrame
Esc. 1:50

V101
ESC 1:50

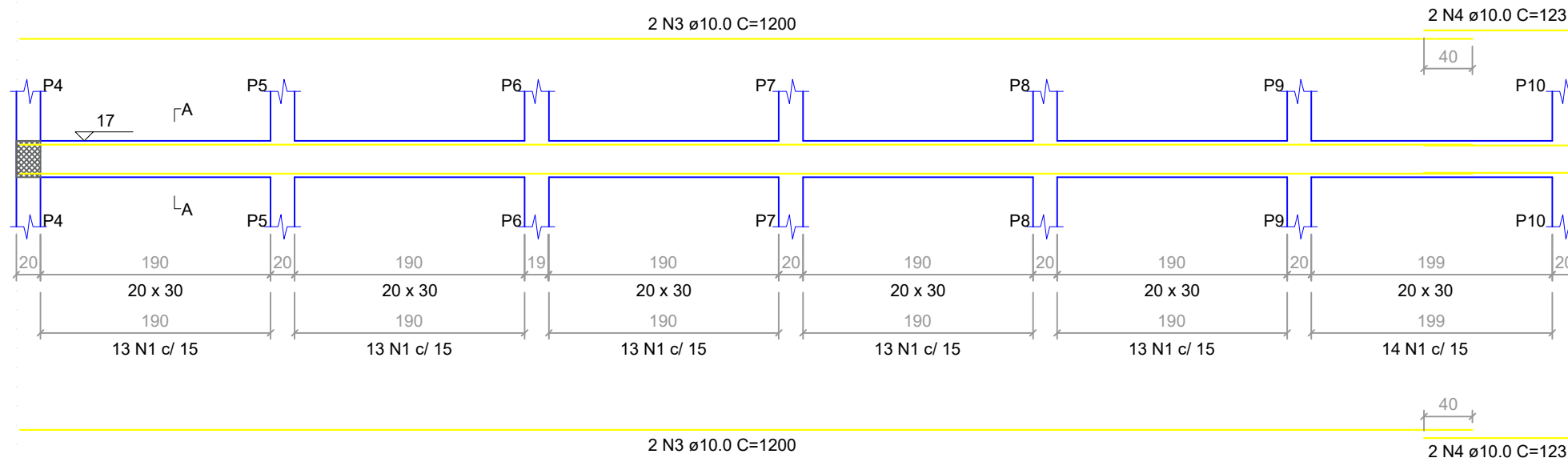


SEÇÃO A-A
ESC 1:50

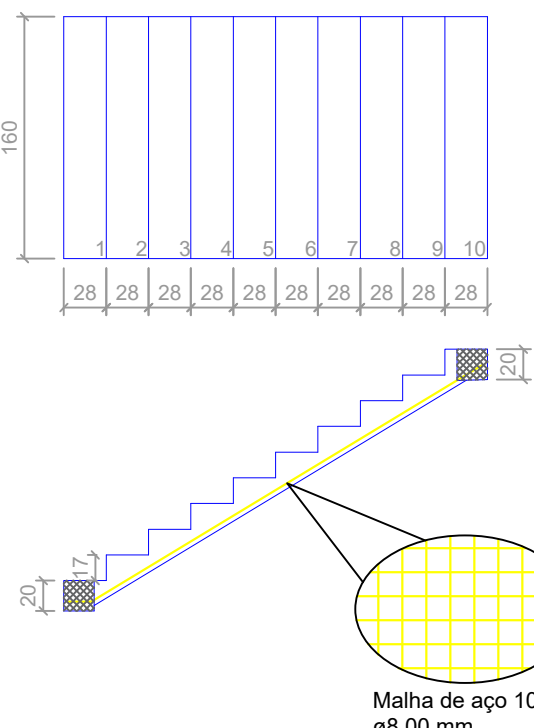
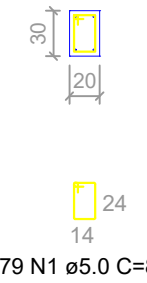


RESUMO DO AÇO				
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	10.0	80.4	8	59.2
CA60	5.0	105.3	-	17.8
PESO TOTAL (kg)				
CA50				59.2
CA60				17.8
Volume de concreto (C-30) = 1.20 m³				
Área de forma = 11.90 m²				

V102
ESC 1:50



SEÇÃO A-A
ESC 1:50

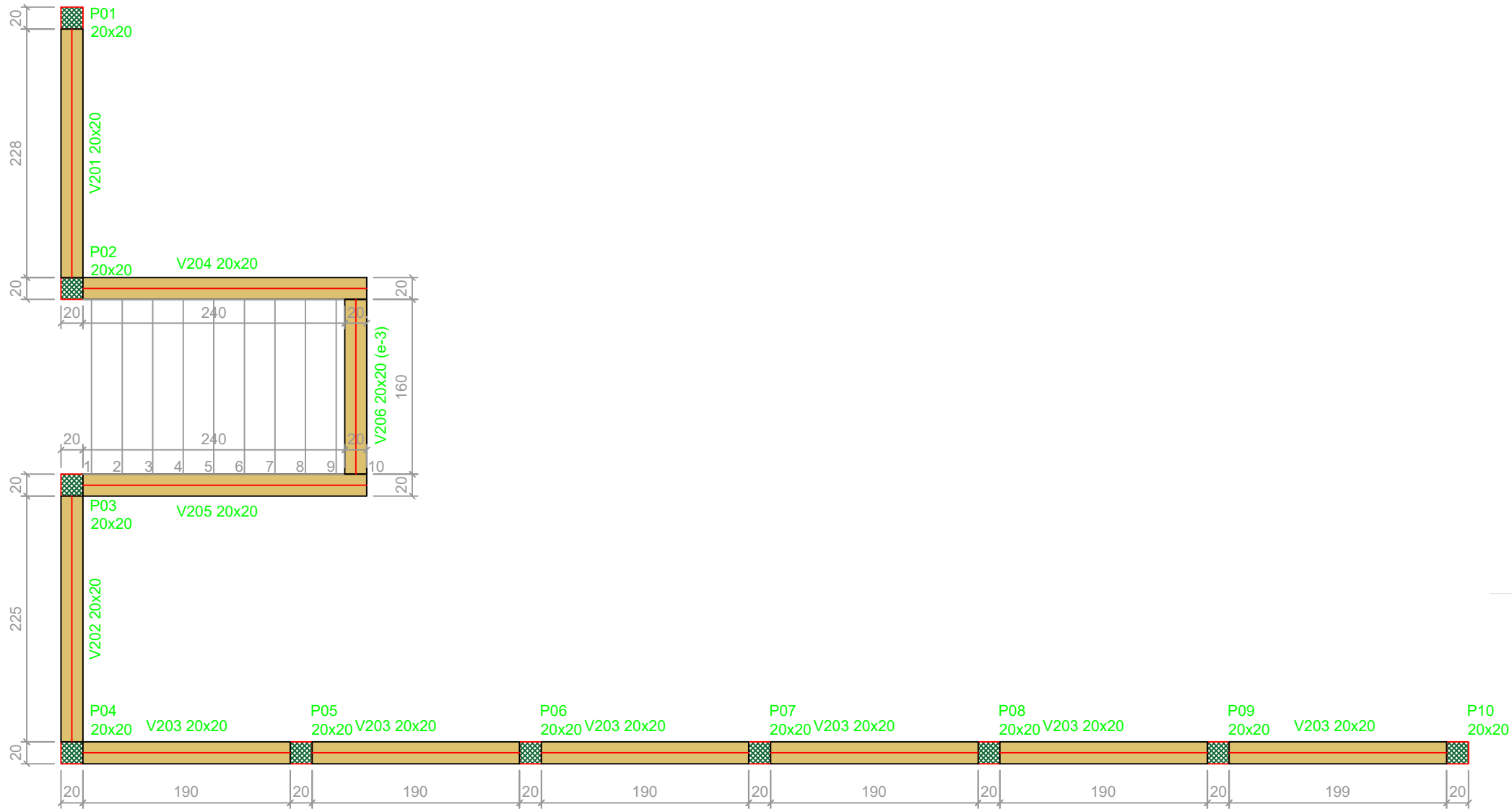


RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	8.0	116.4	-	50.6
PESO TOTAL (kg)				
CA50				44.4

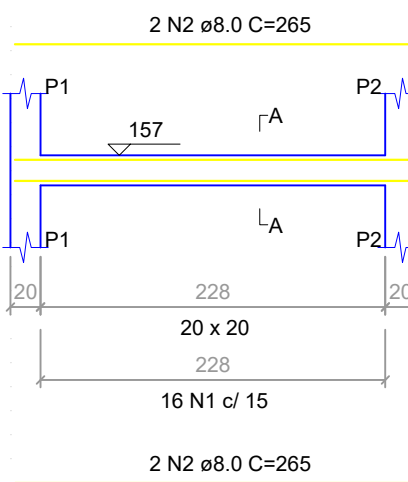
Volume de concreto (C-30) = 0.78 m³
Área de forma = 2.45 m²

Legenda dos pilares	Legenda das vigas e paredes
Pilar que morre	Viga



Forma vigas de respaldo
Esc. 1:50

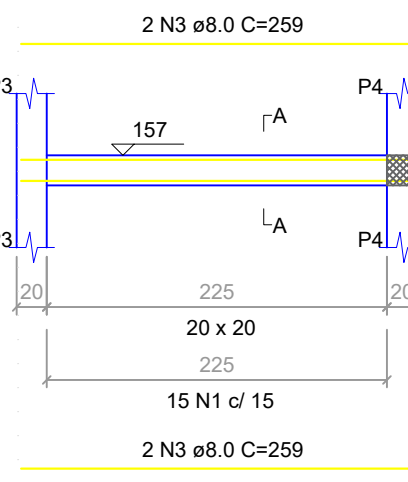
V201
ESC 1:50



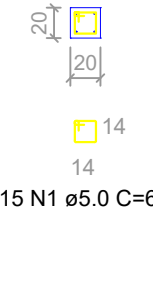
SEÇÃO A-A
ESC 1:50



V202
ESC 1:50

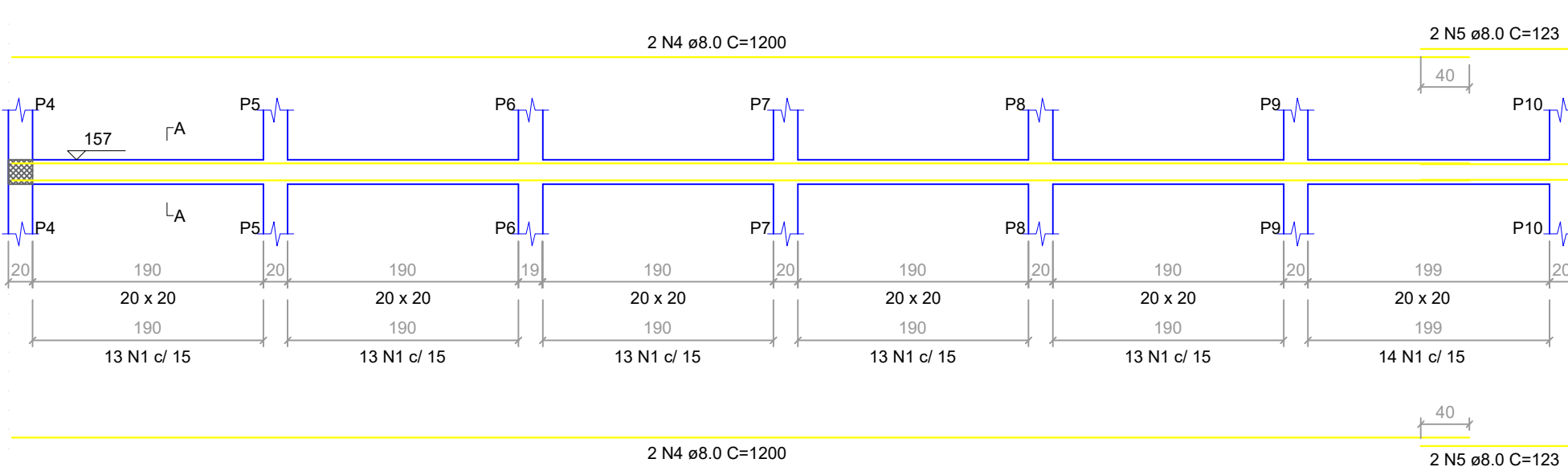


SEÇÃO A-A
ESC 1:50



RESUMO DO AÇO				
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	8.0	103.6	10	47.4
CA60	5.0	102.5	-	17.4
PESO TOTAL (kg)				
CA50				47.4
CA60				17.4
Volume de concreto (C-30) = 0.82 m³				
Área de forma = 8.21 m²				

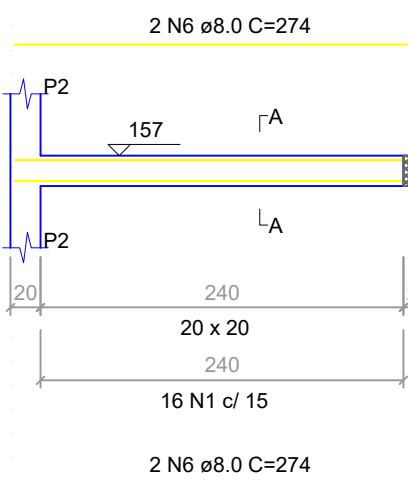
V203
ESC 1:50



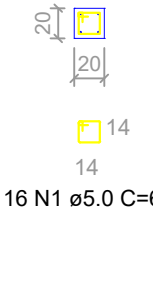
SEÇÃO A-A
ESC 1:50



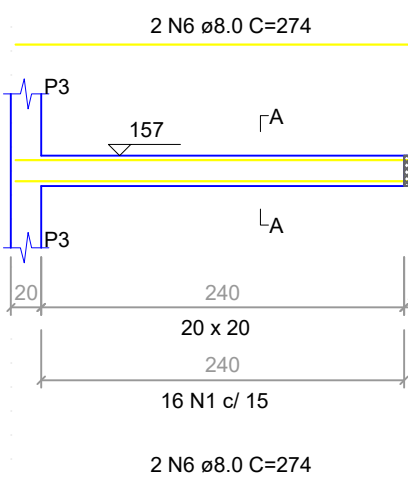
V204
ESC 1:50



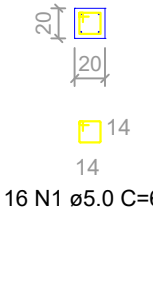
SEÇÃO A-A
ESC 1:50



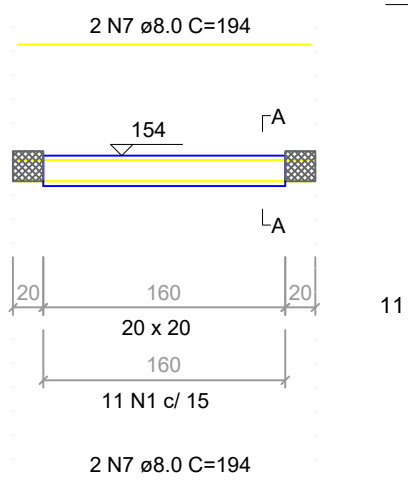
V205
ESC 1:50



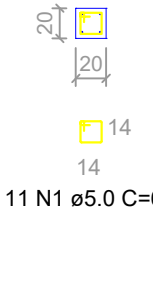
SEÇÃO A-A
ESC 1:50



V206
ESC 1:50



SEÇÃO A-A
ESC 1:50



PROJETO: HAJEL PROJETOS & CONSULTORIA	MUNICÍPIO DE CAMPO BOM
Documento assinado digitalmente DORIL PEREIRA DA SILVA Data: 25/02/2025 12:24:00-0300 Verifique em https://validar.jo.gov.br	Eng Civil Doril Pereira da Silva CREA / RS 13.035
Projeto Estrutural Caixa de Areia	
Vigas	
DATA: Fevereiro/ 2025	DESENHISTA: PCJ
ÁREA TOTAL: 976,15m²	NOME DO PROJETO: EMEI Pastor Ramão
ENDEREÇO: Rua Waschinton Luiz, Santa Lúcia - Campo Bom / RS	PRANCHA: 02