

P1=P2=P4=P5

P3

Relação do aço

-70.0:	4xP1	P3
-120.0:	5xP6	P3
0.0:	4xP1	P3
	2xP10	P11
	P13	

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	94	112	10528
	2	5.0	15	192	2880
	3	5.0	60	60	3600
CA50	4	12.5	36	112	4032
	5	12.5	12	117	1404
	6	12.5	28	105	2940
	7	12.5	48	67	3216
	8	12.5	8	54	432
	9	12.5	12	59	708

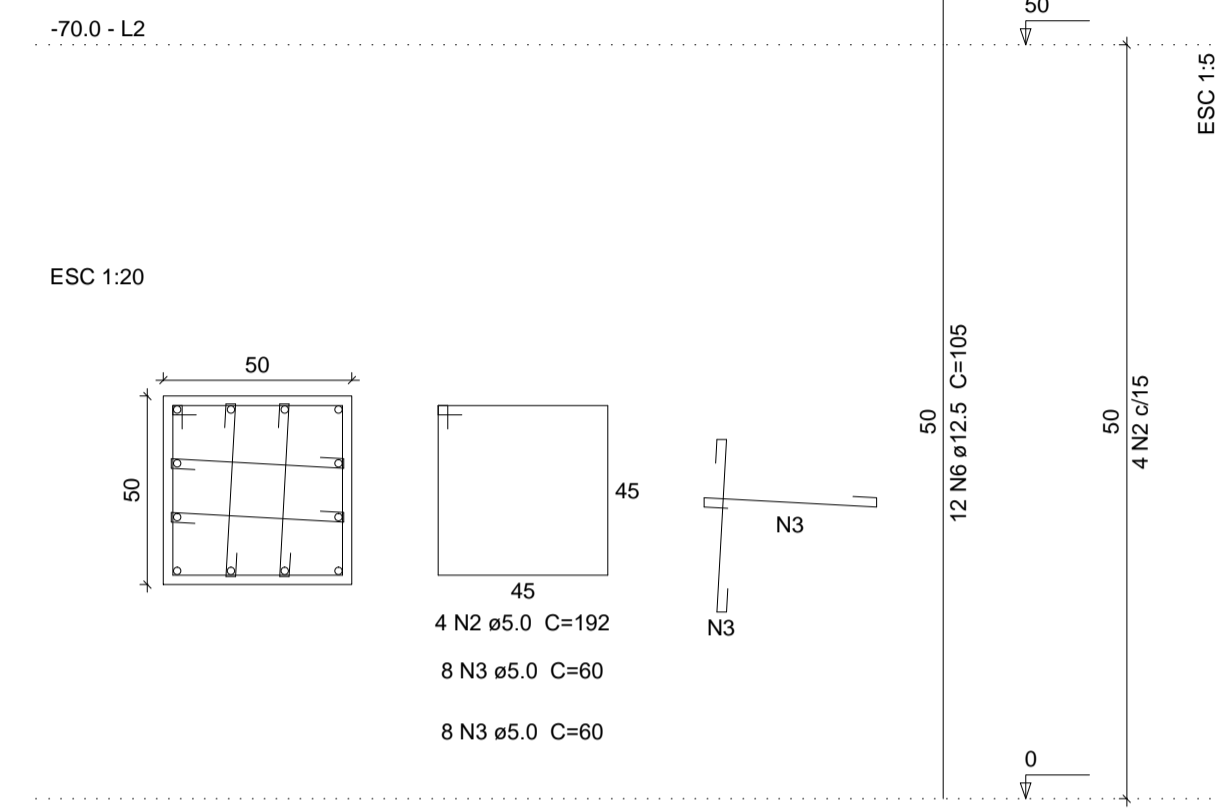
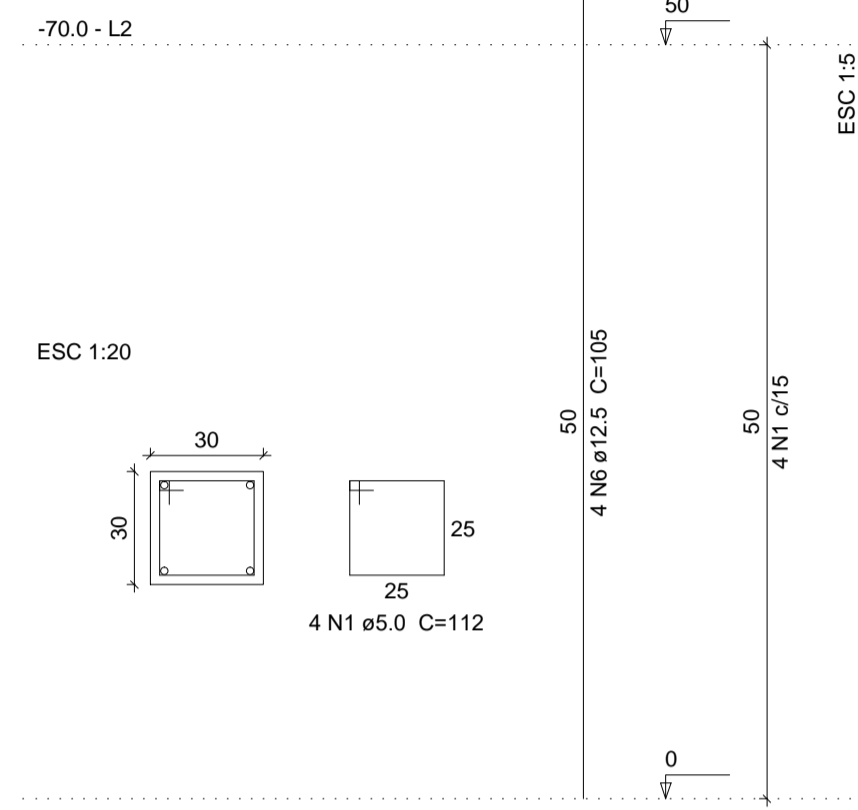
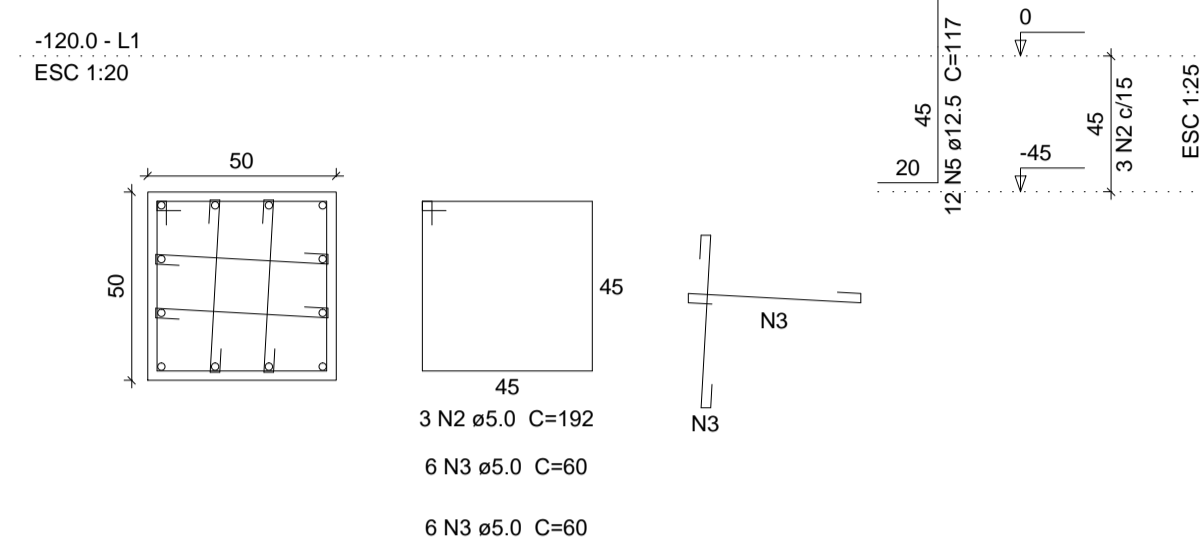
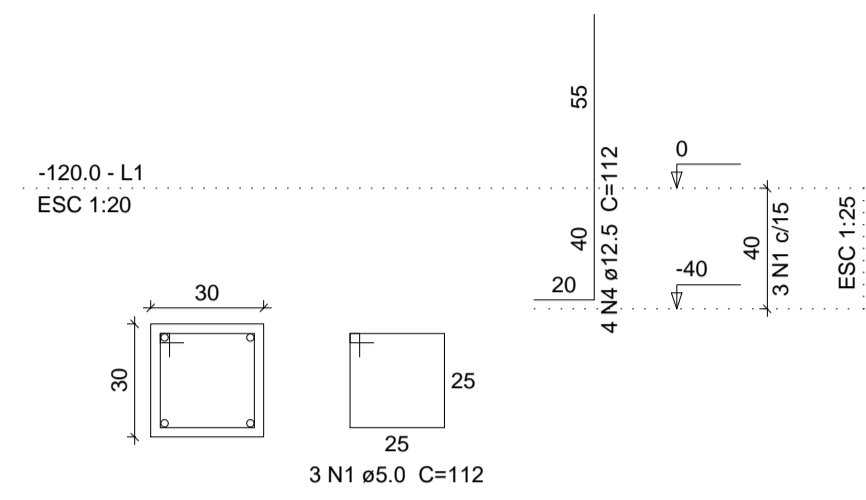
Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	12.5	127.4	134.9
CA60	5.0	170.1	28.8
PESO TOTAL			
CA50		134.9	
CA60		28.8	

Vol. de concreto total (C-20) = 1.67 m³  
Área de forma total = 19.44 m²

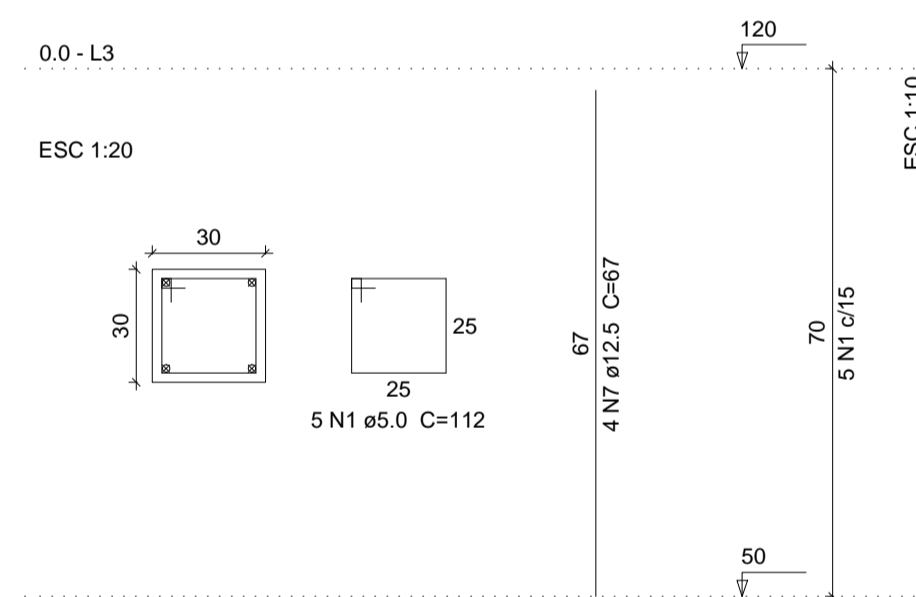
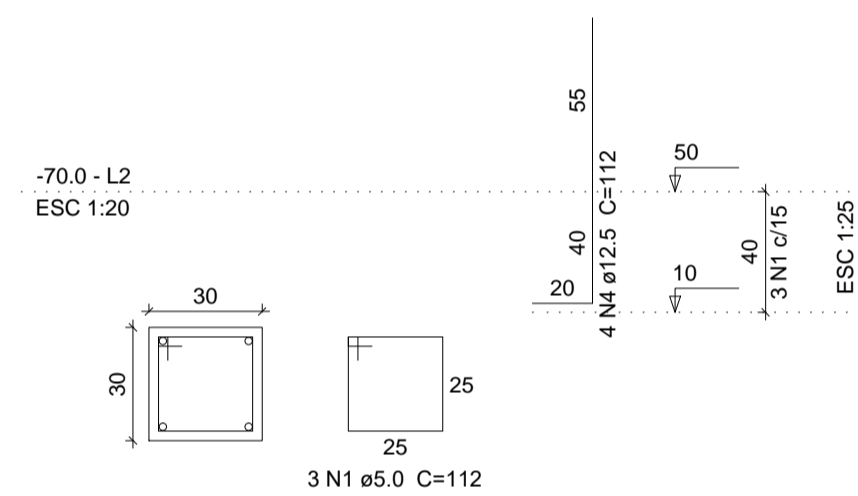
P1=P2=P4=P5

P3



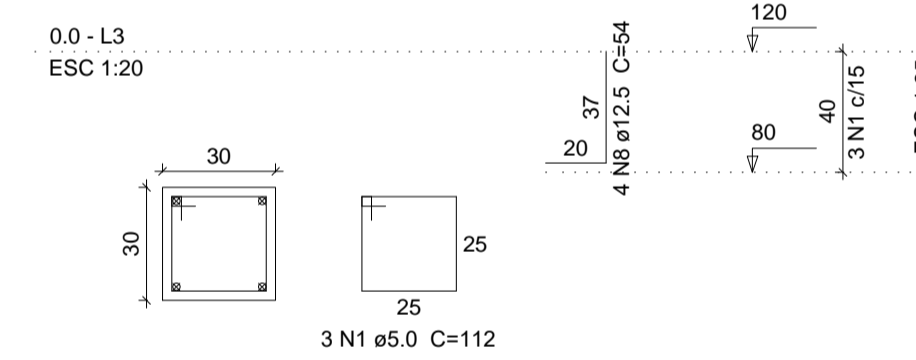
P6=P7=P8=P9=P13

P1=P2=P4=P5=P6=P7=P8=P9

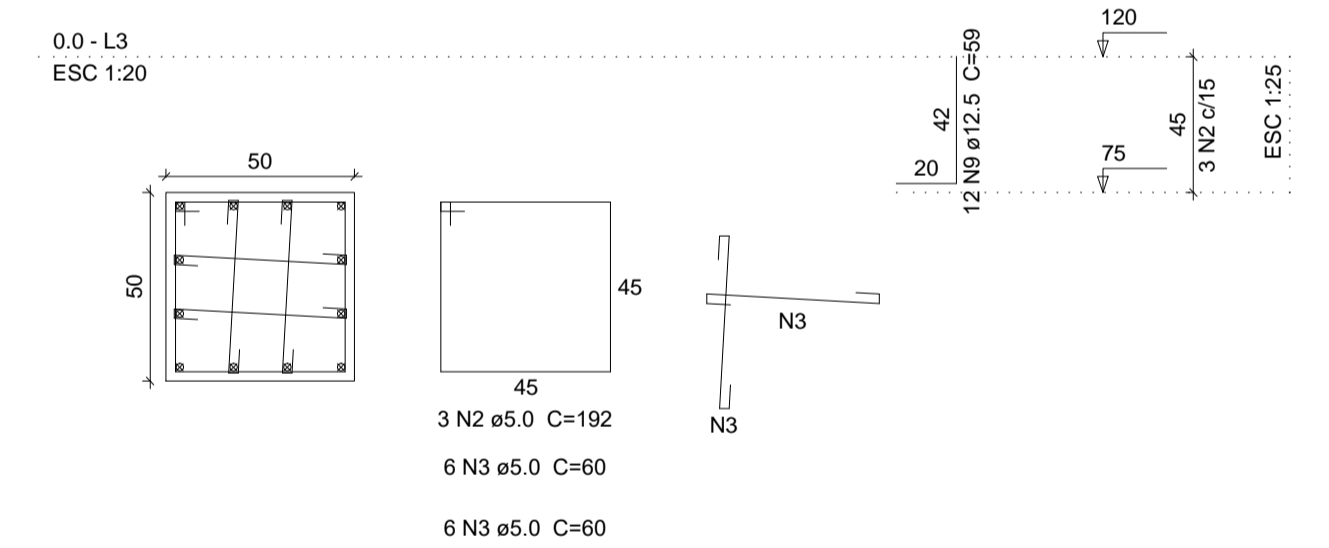


P10=P12

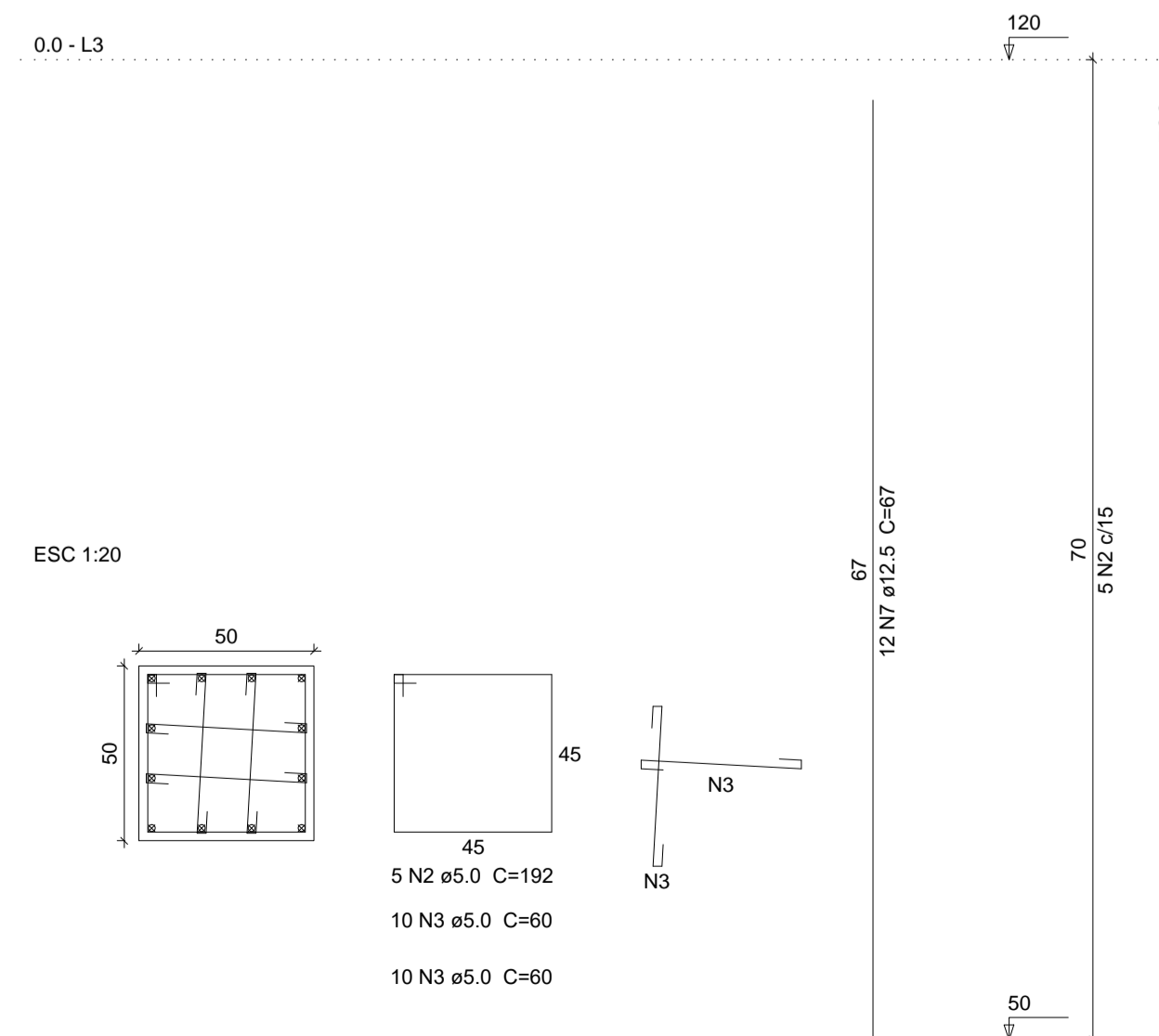
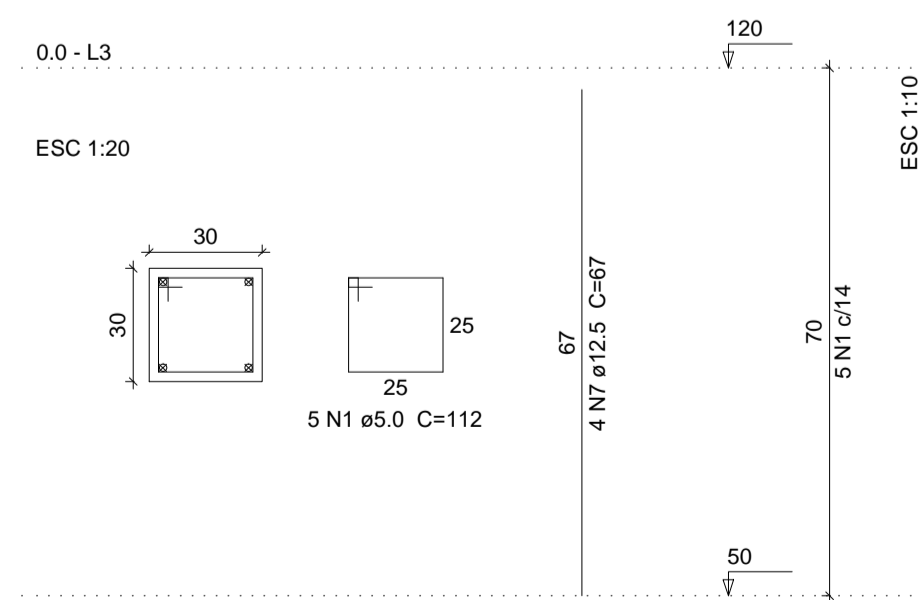
P3



P11



P13



PROJETO			
0A	03/06/2019	DJAP	EMISSÃO INICIAL
REVISÃO	DATA	AUTOR	DESCRIÇÃO
IDENTIFICAÇÃO: CMC-1809-EST-EX-01-A1			ÁREA: 150.00 M2
TÍTULO: PROJETO ESTRUTURAL DO CENTRO MUN. DE CONVIVÊNCIAS			USO: PÚBLICO
CONTEÚDO: ARMAÇÃO DOS PILARES			ART Nº: 4536274
			ESCALA: INDICADA
RESPONSÁVEIS			
PROPRIETÁRIO:		CNPJ: 17.980.392/0001-03	
PREFEITURA MUNICIPAL DE PIRACEMA-MG			
RESPONSÁVEL TÉCNICO:		CREAM/MG: 201.765/D	
DOUGLAS JUNIO ALCANTARA PENNA			
COMO RT DECLARO QUE O PROJETO ORA APRESENTADO ATENDE A LEGISLAÇÃO VIGENTE			

