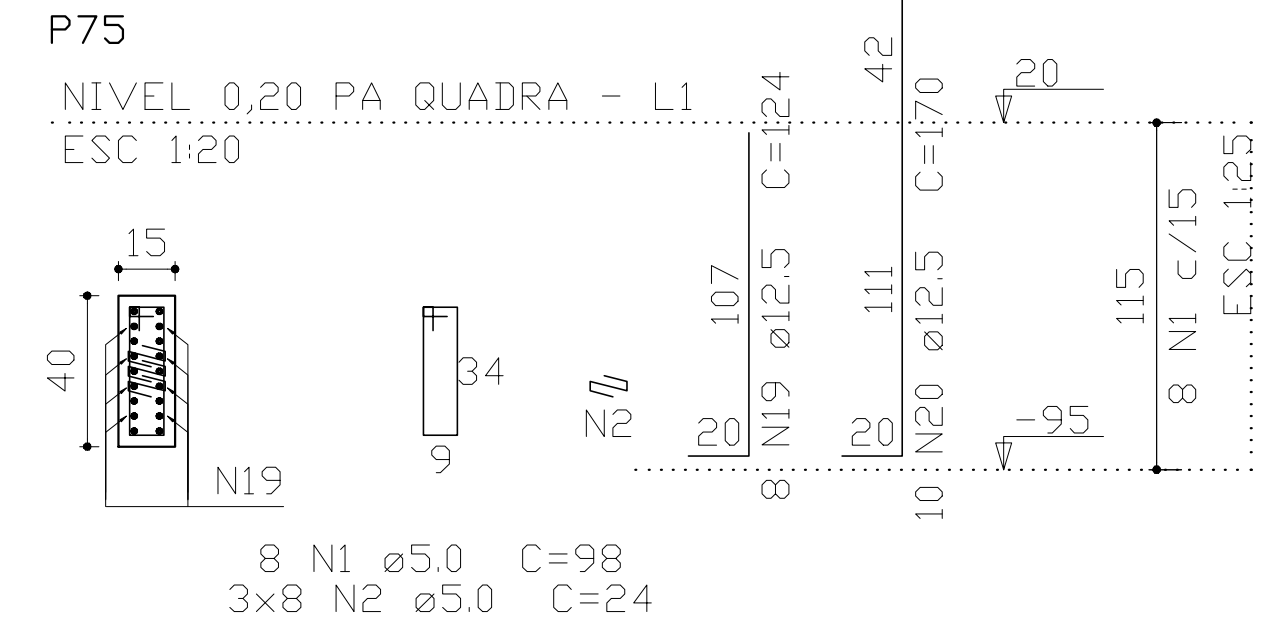
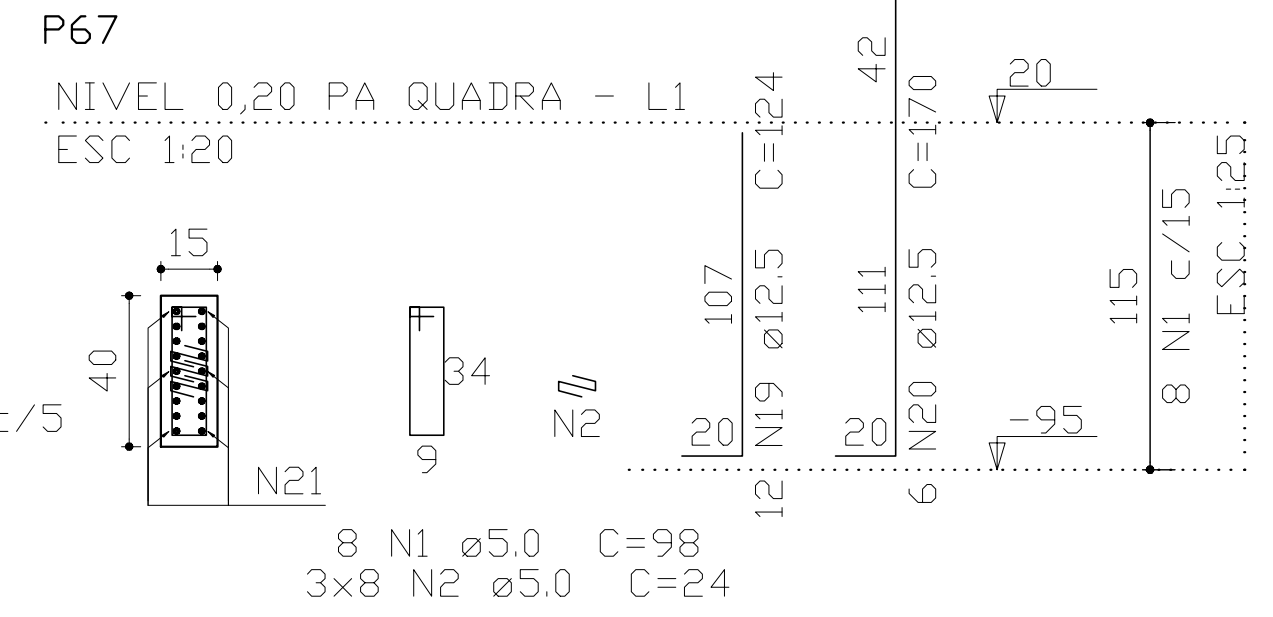
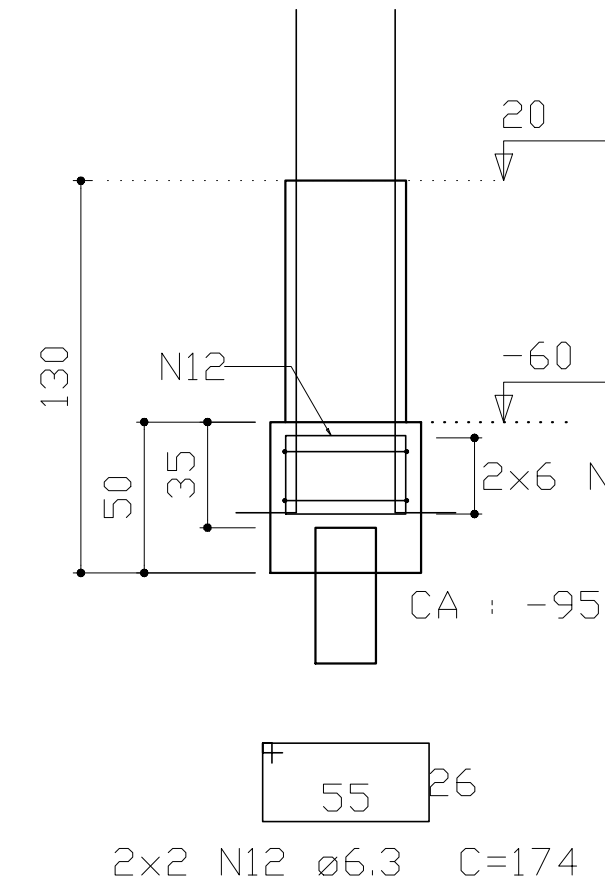
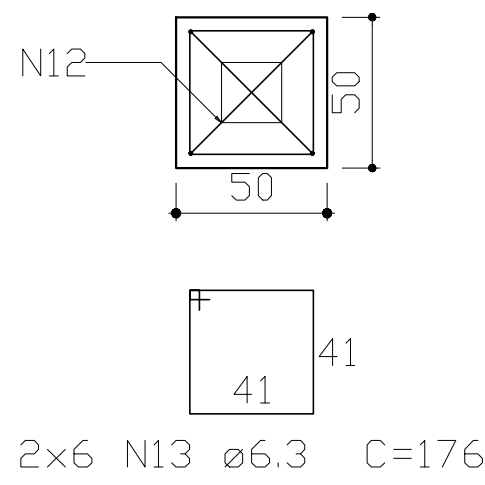
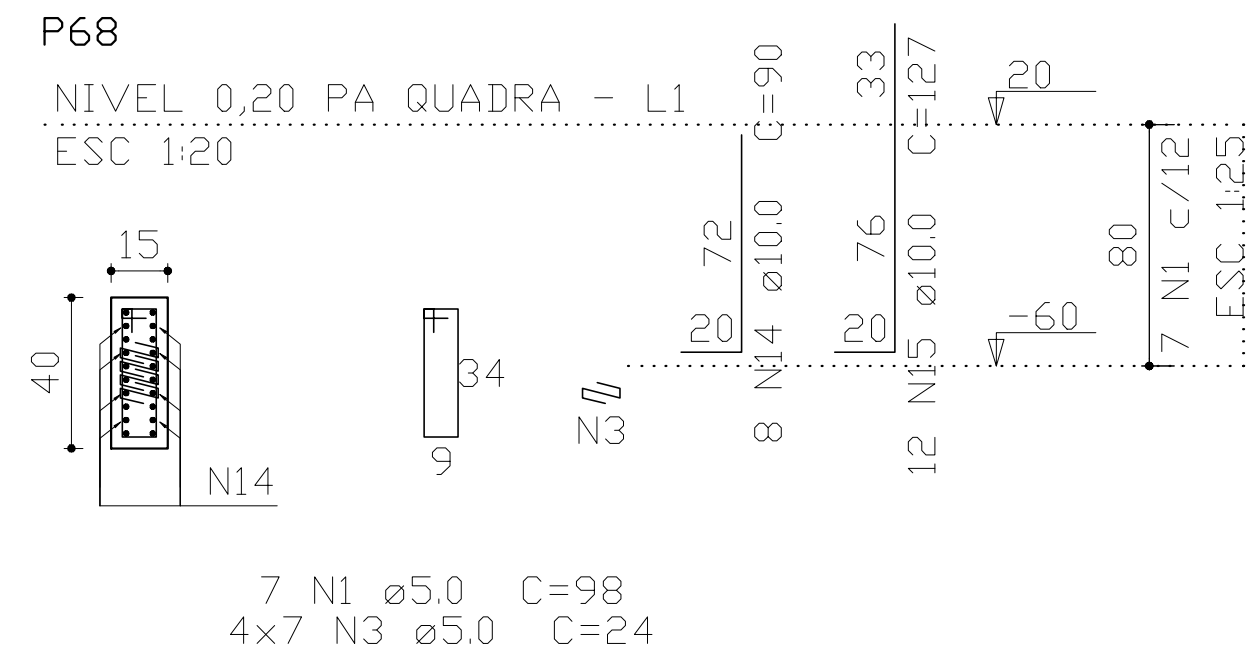
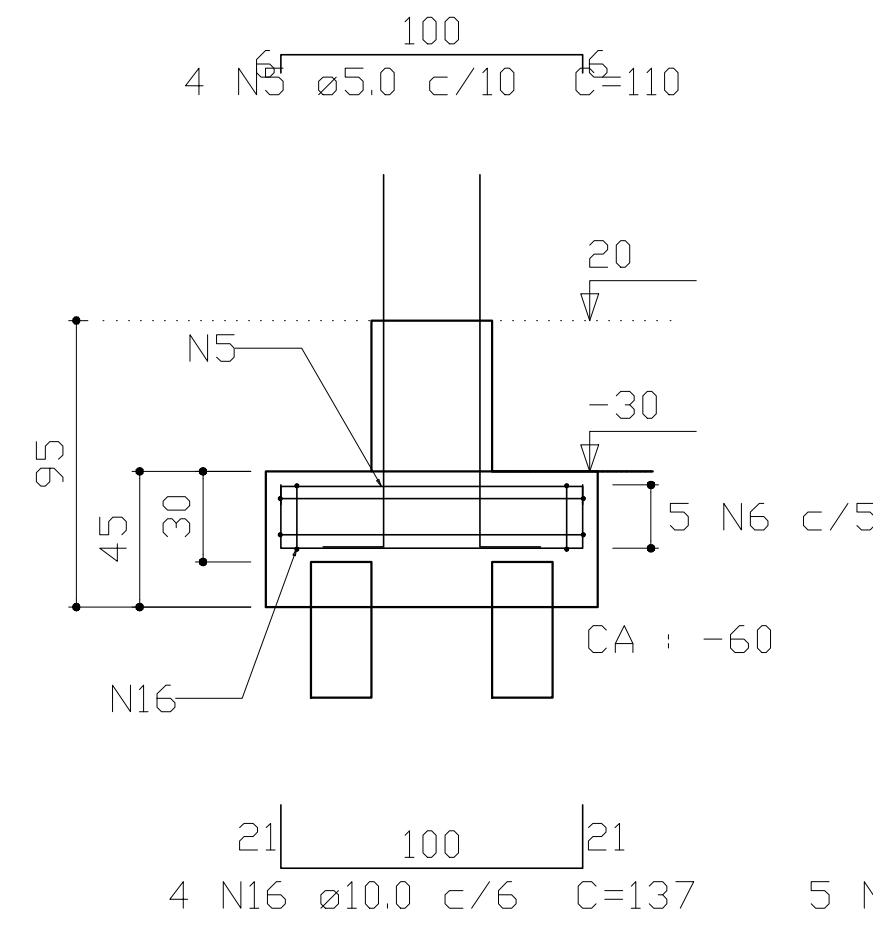
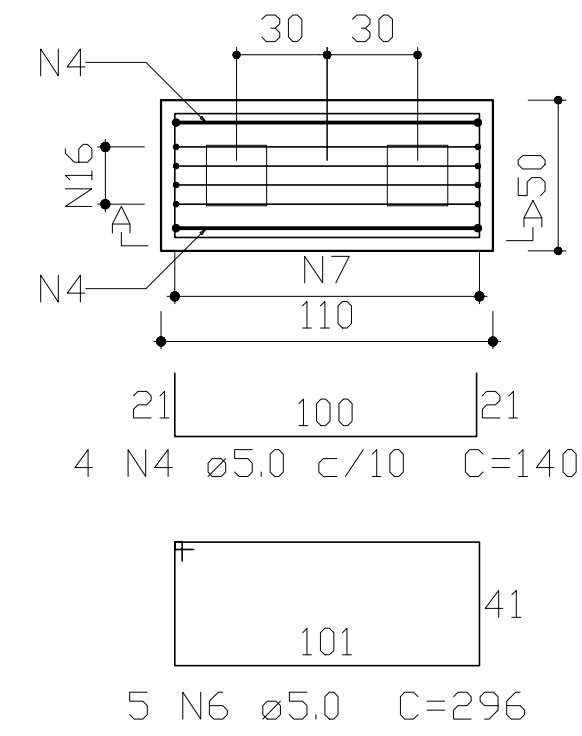


CORTE  
ESC 1:25



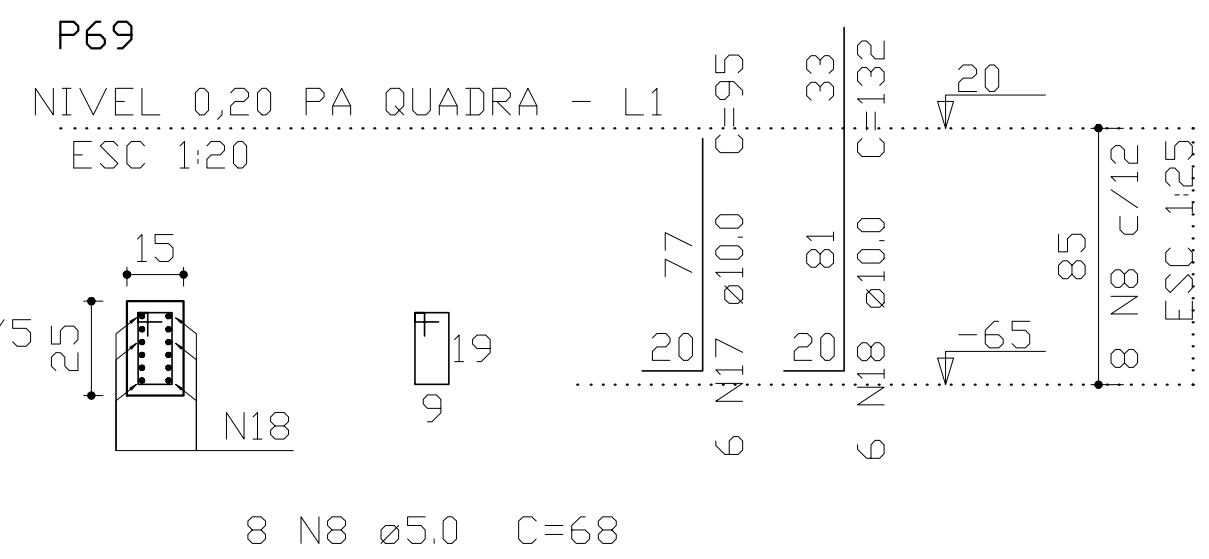
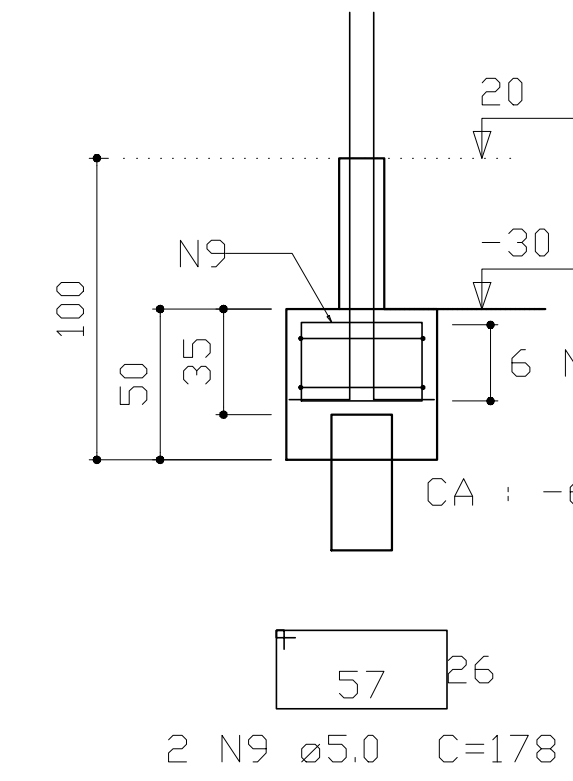
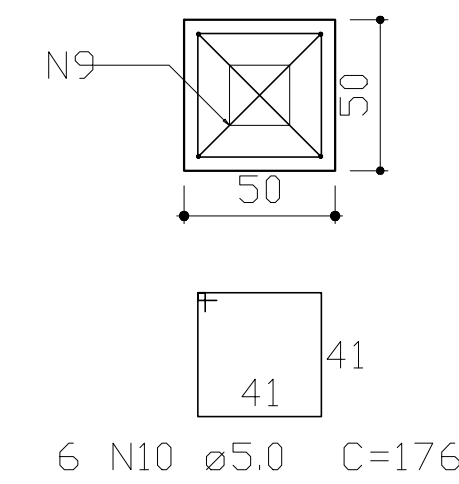
B68  
2xR20  
PLANTA  
ESC 1:25

CORTE A-A  
ESC 1:25



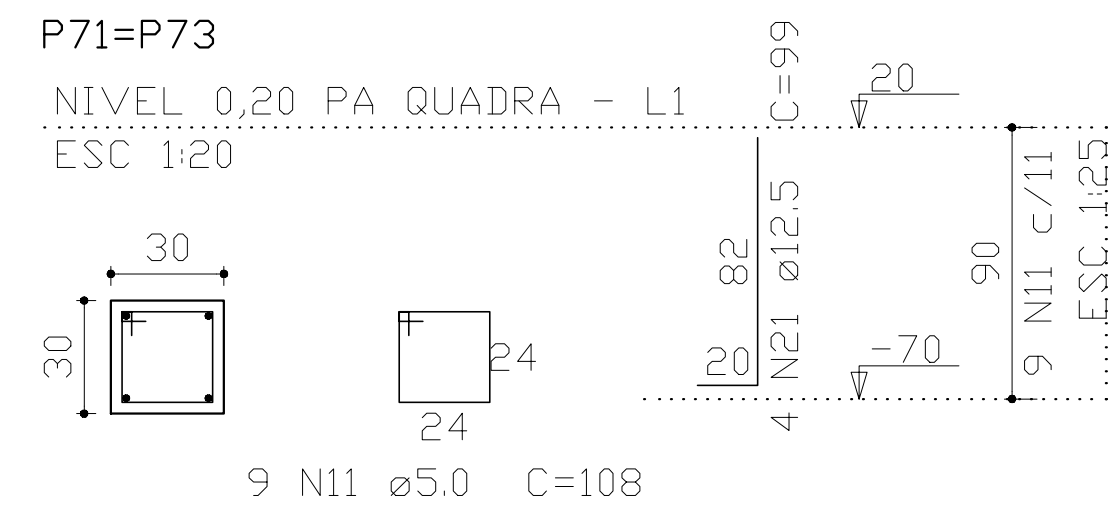
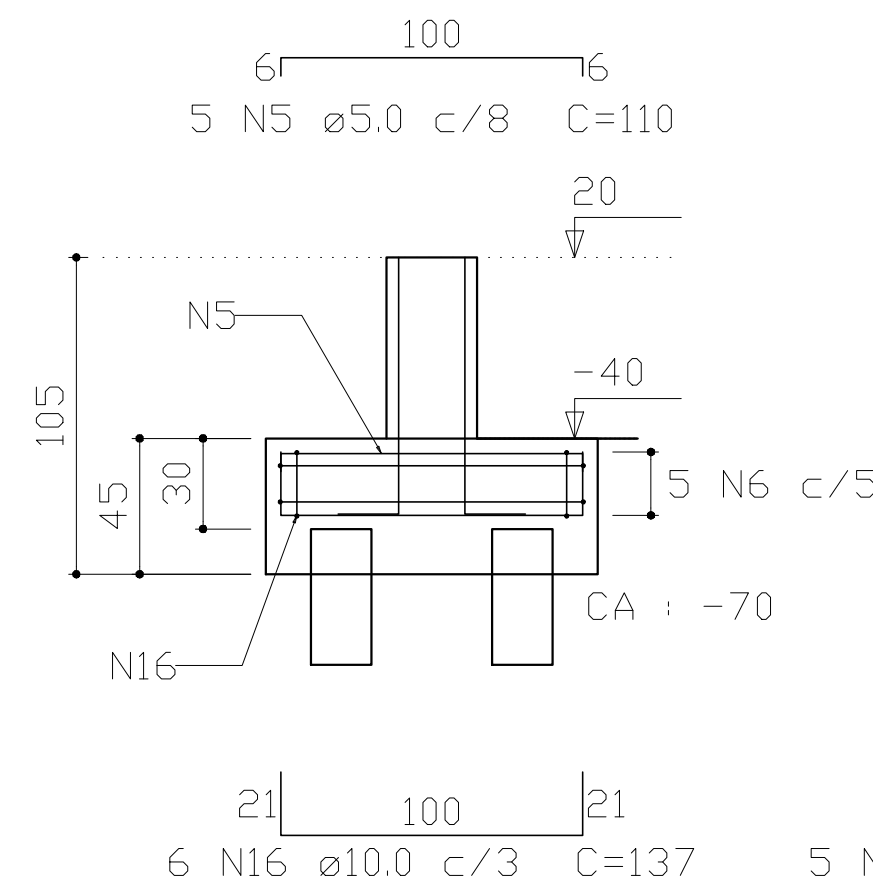
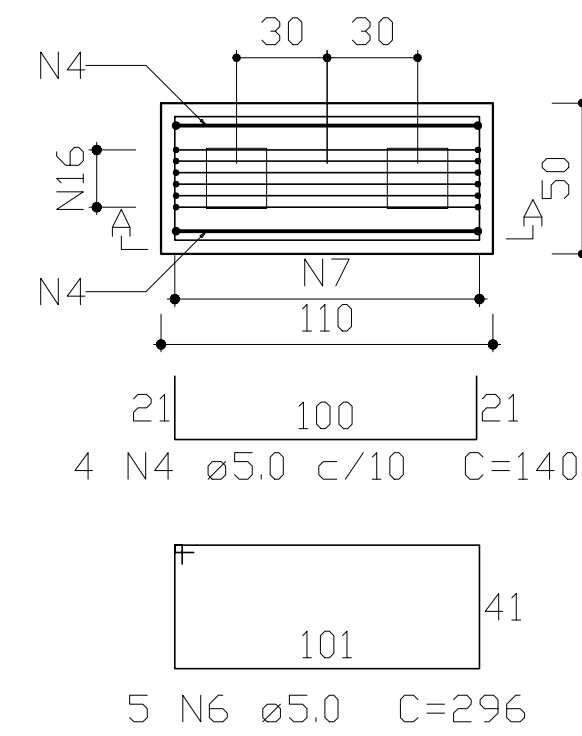
B69  
1xR20  
PLANTA  
ESC 1:25

CORTE  
ESC 1:25



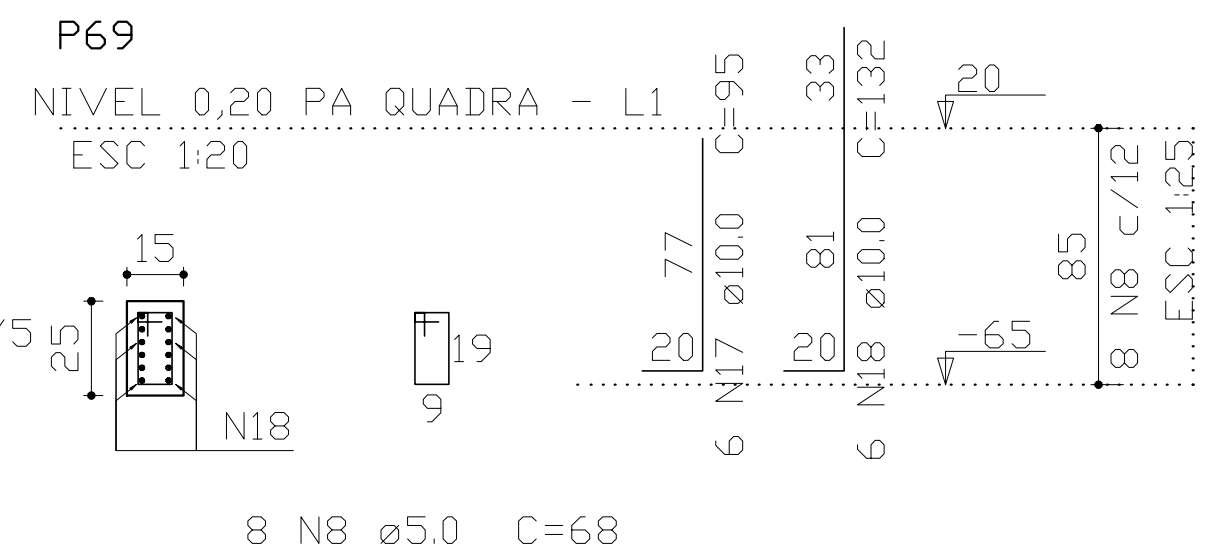
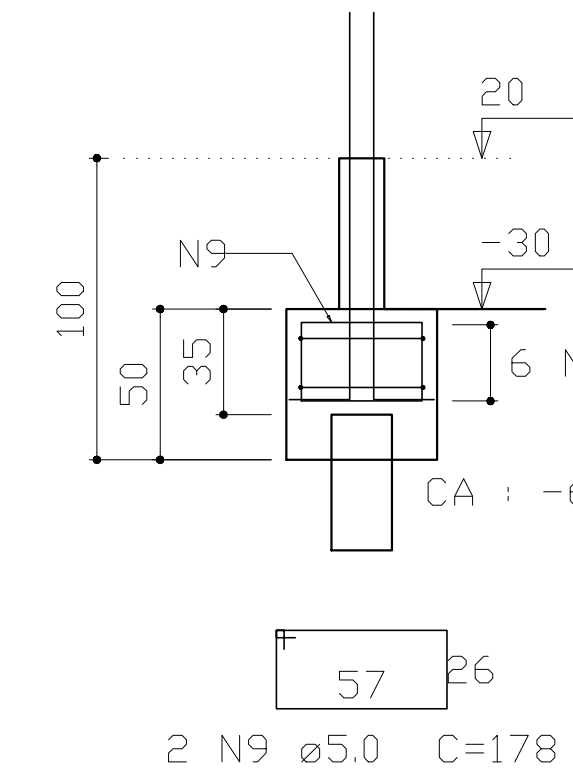
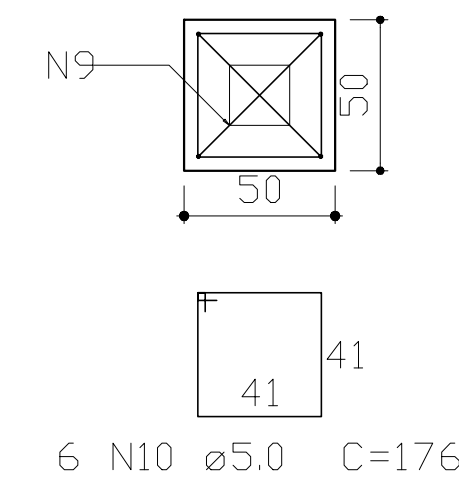
B71=B73  
2xR20  
PLANTA  
ESC 1:25

CORTE A-A  
ESC 1:25



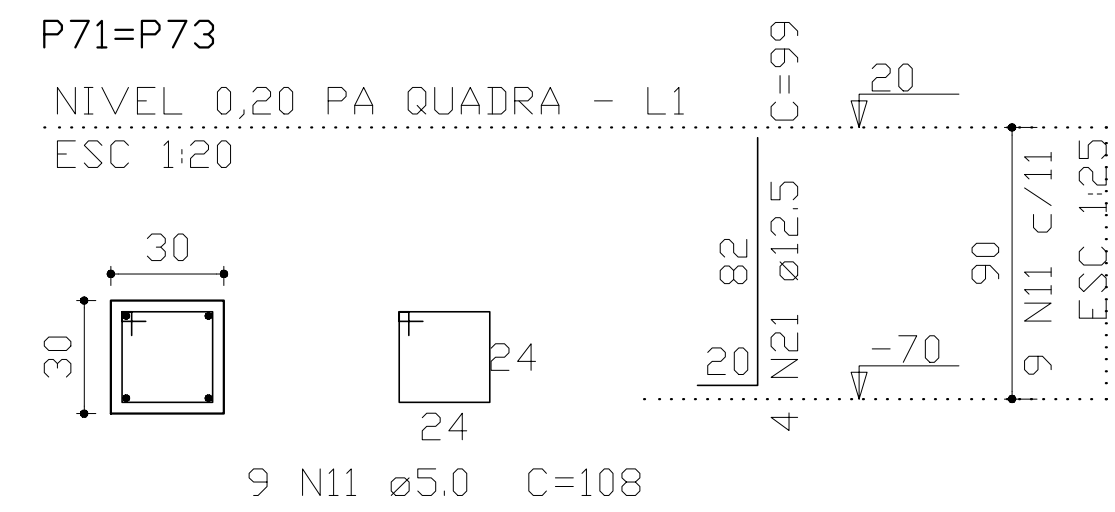
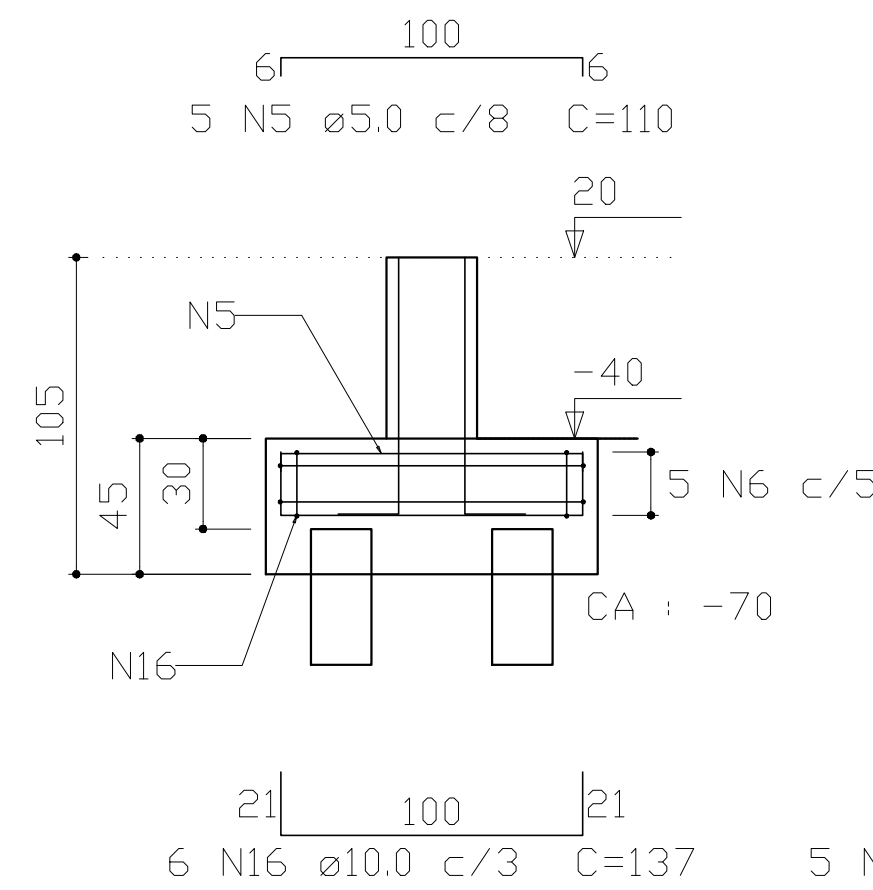
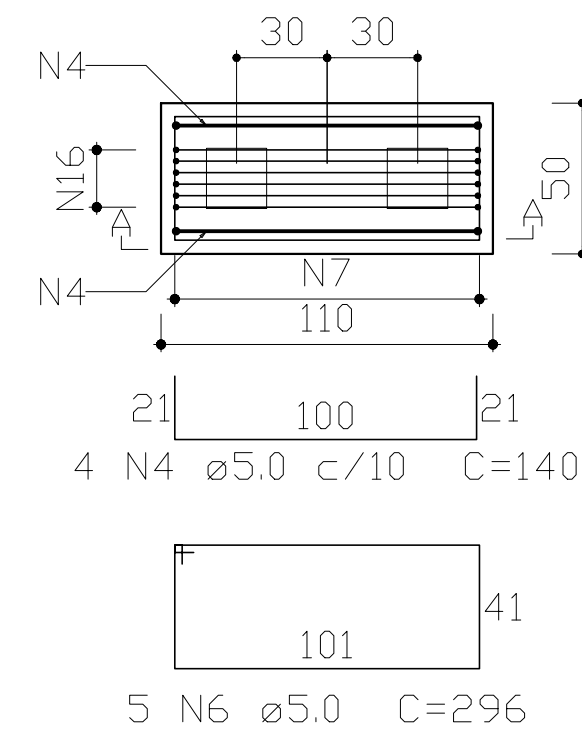
B69  
1xR20  
PLANTA  
ESC 1:25

CORTE  
ESC 1:25



B71=B73  
2xR20  
PLANTA  
ESC 1:25

CORTE A-A  
ESC 1:25



Relação do aço

B68  
B75

B69



2xB73

AÇD	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	23	98	2254
	2	5.0	48	24	1152
	3	5.0	28	24	672
	4	5.0	12	140	1680
	5	5.0	14	110	1540
	6	5.0	15	296	4440
	7	5.0	15	134	2010
	8	5.0	8	68	544
	9	5.0	2	178	356
	10	5.0	6	176	1056
CA50	11	5.0	18	108	1944
	12	6.3	4	174	696
	13	6.3	12	176	2112
	14	10.0	8	90	720
	15	10.0	12	127	1524
	16	10.0	16	137	2192
	17	10.0	6	95	570
	18	10.0	6	132	792
	19	12.5	20	124	2480
	20	12.5	16	170	2720
	21	12.5	8	99	792

## Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)	PESO + 10 % (kg)
CA50	6.3	28.1	3	7.6
	10.0	58	6	39.3
	12.5	60	6	63.5
CA60	5.0	176.5	-	29.9
PESO TOTAL (kg)				
CA50	110.4			
CA60	29.9			

Volume de concreto (C-30) = 1.44 m<sup>3</sup>  
Área de forma = 13.57 m<sup>2</sup>

	RESPONSÁVEL TÉCNICO:
	ANTÔNIO CARLOS NICOLAU: CREA-MG 148.345/D
	PROPRIETÁRIO:
	PREFEITURA MUNICIPAL DE PAPAGAIOS CNPJ: 18.313.866/0001-18