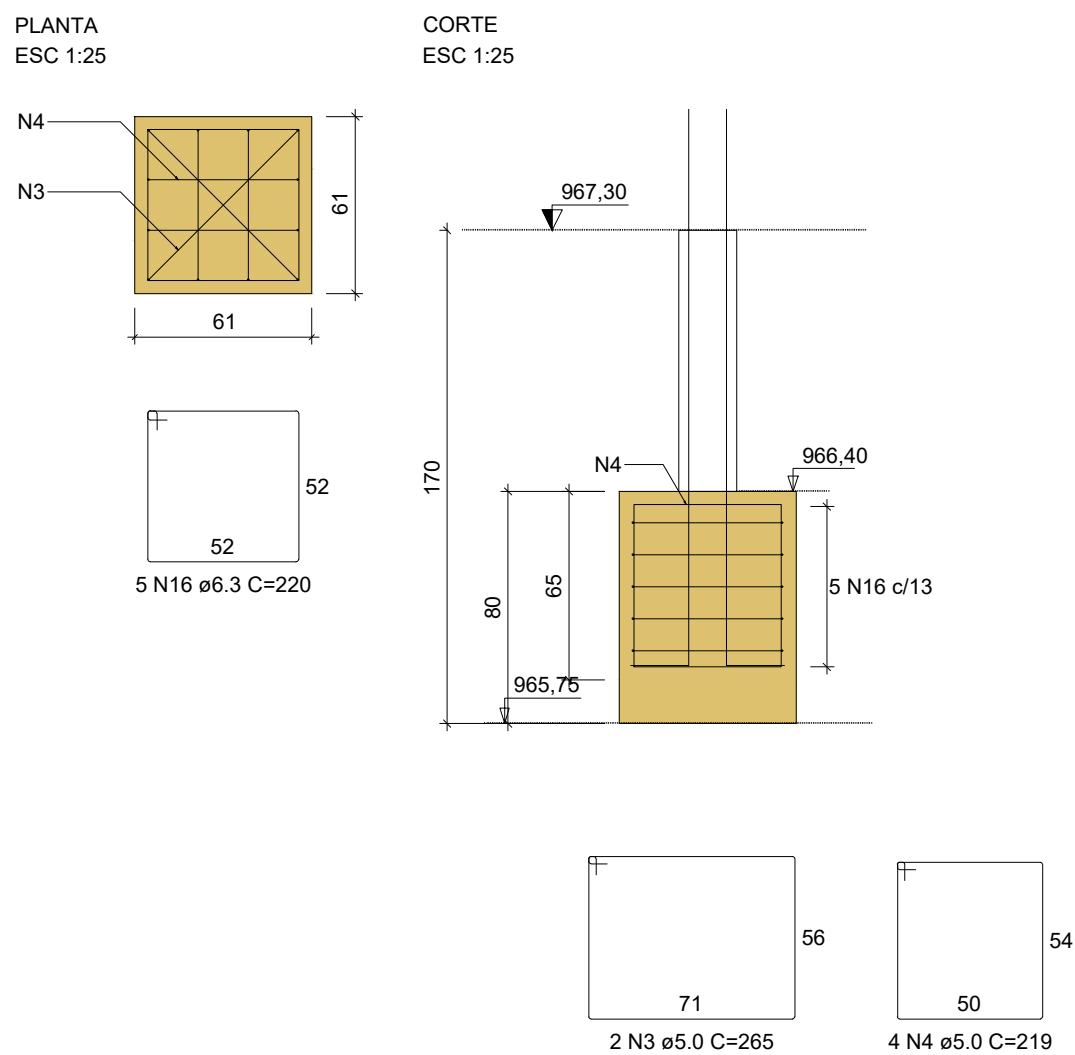
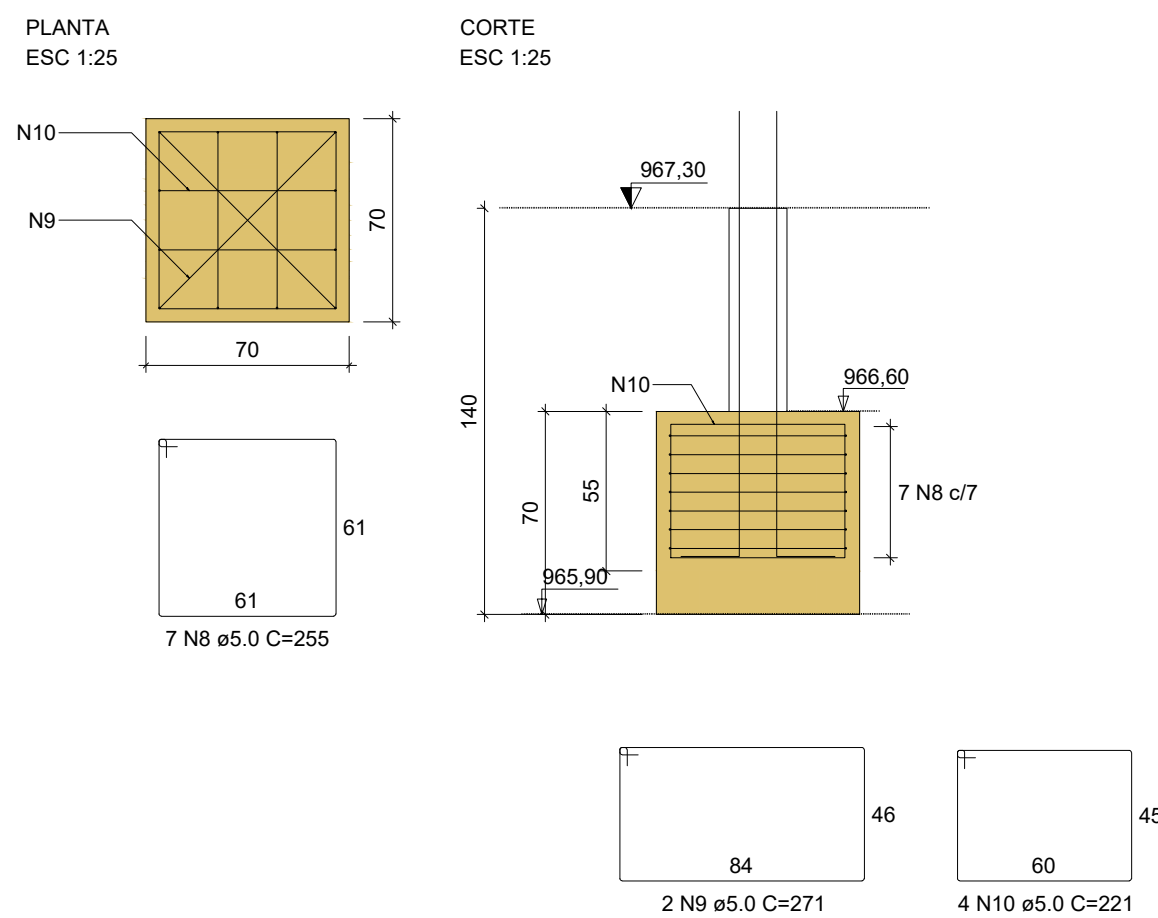


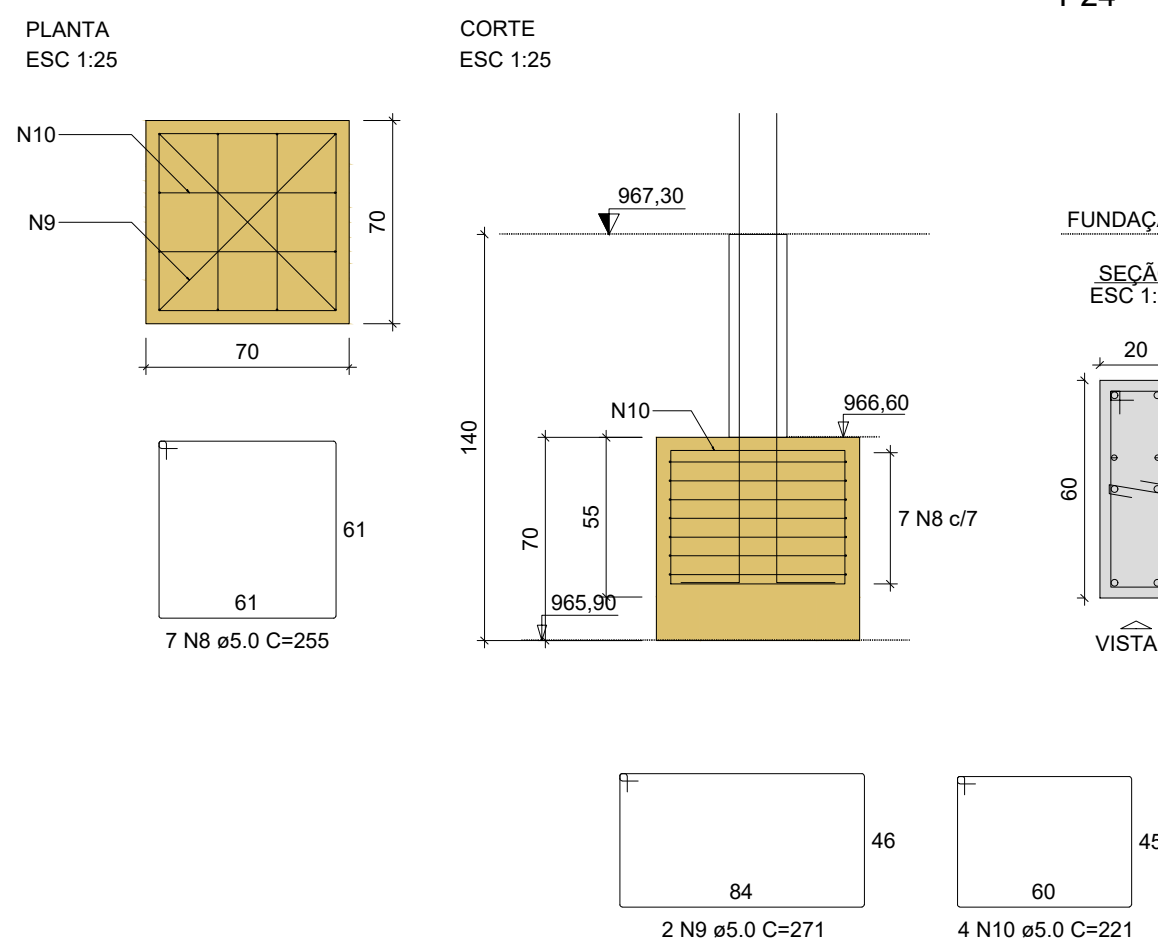
B19



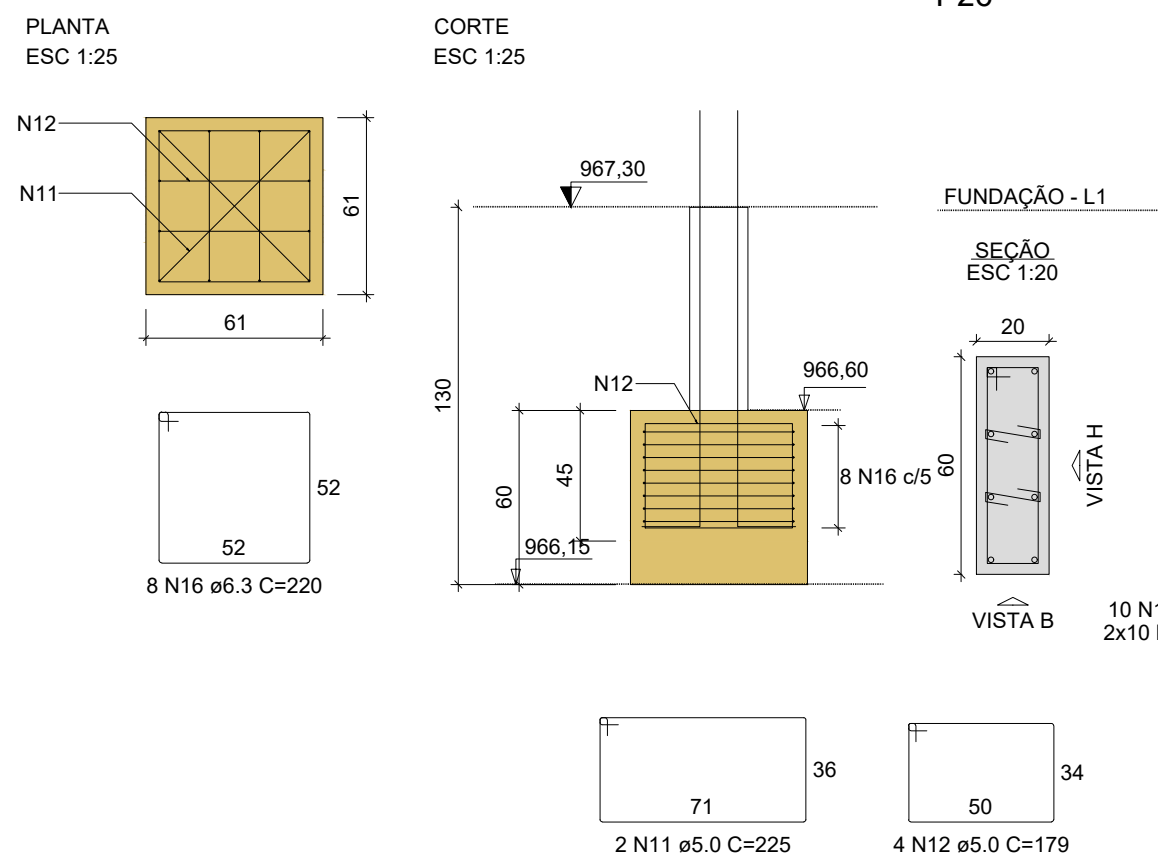
B21



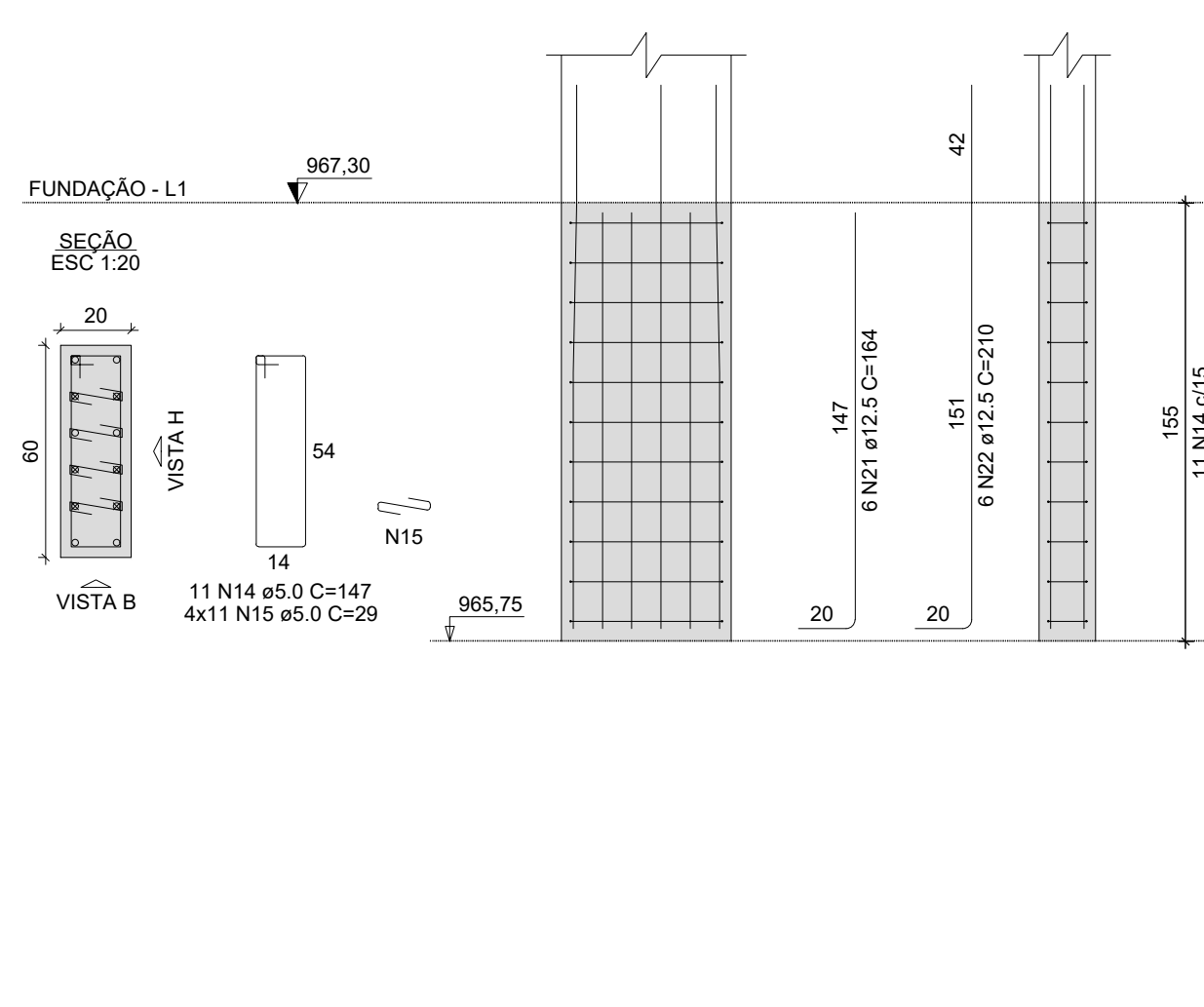
B24



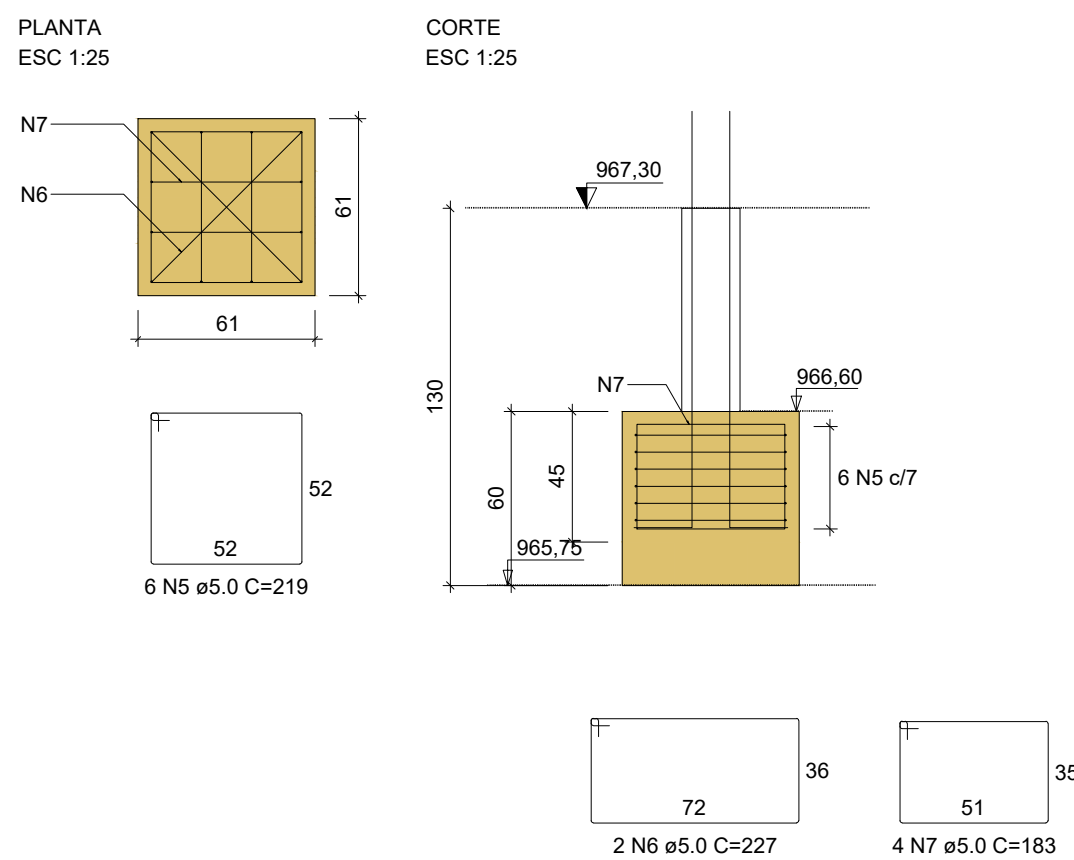
B26



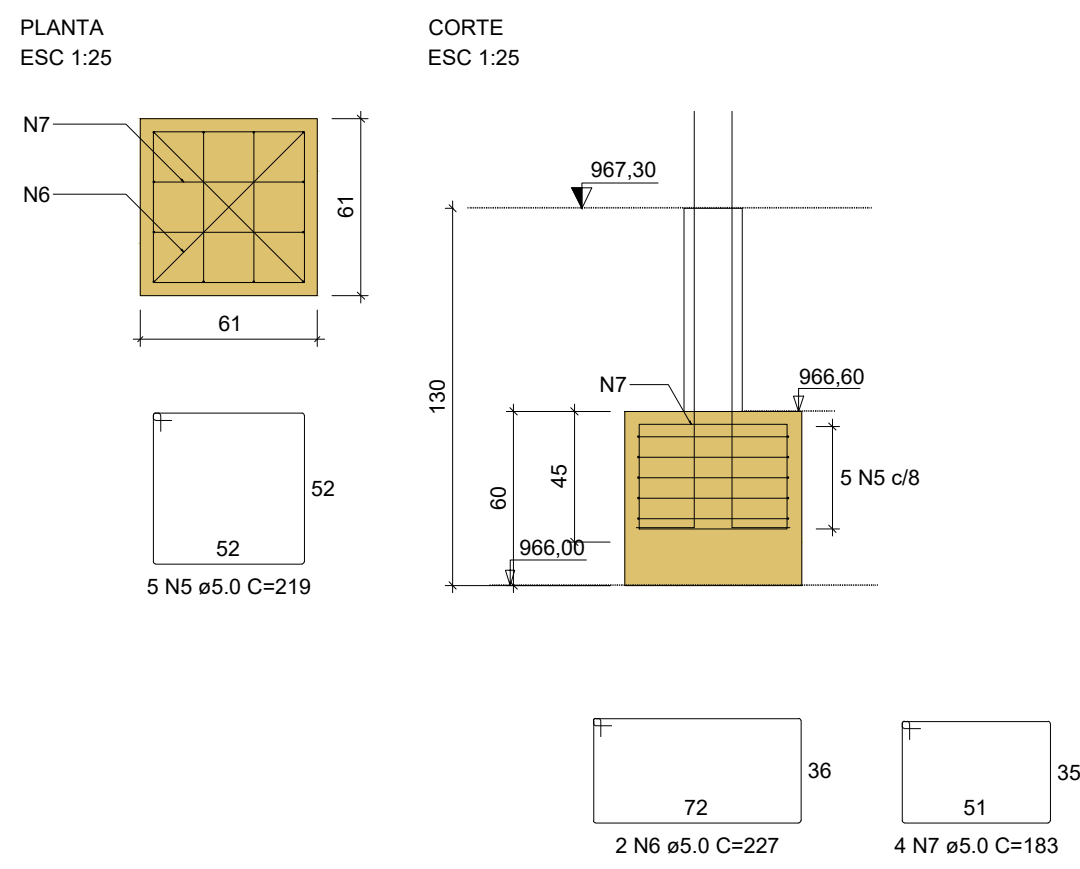
P19



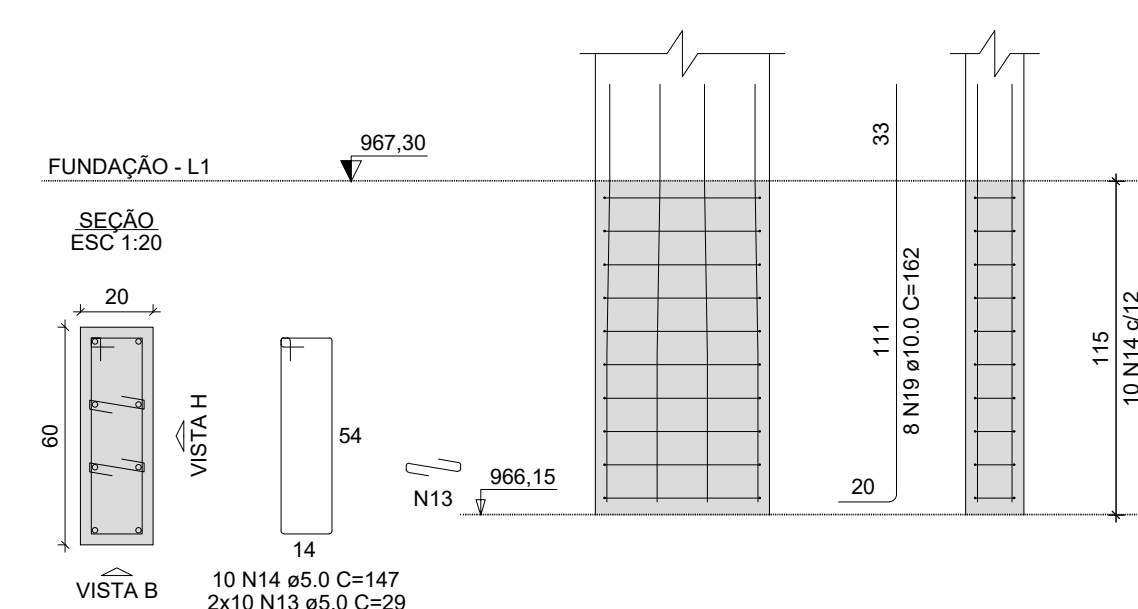
B20



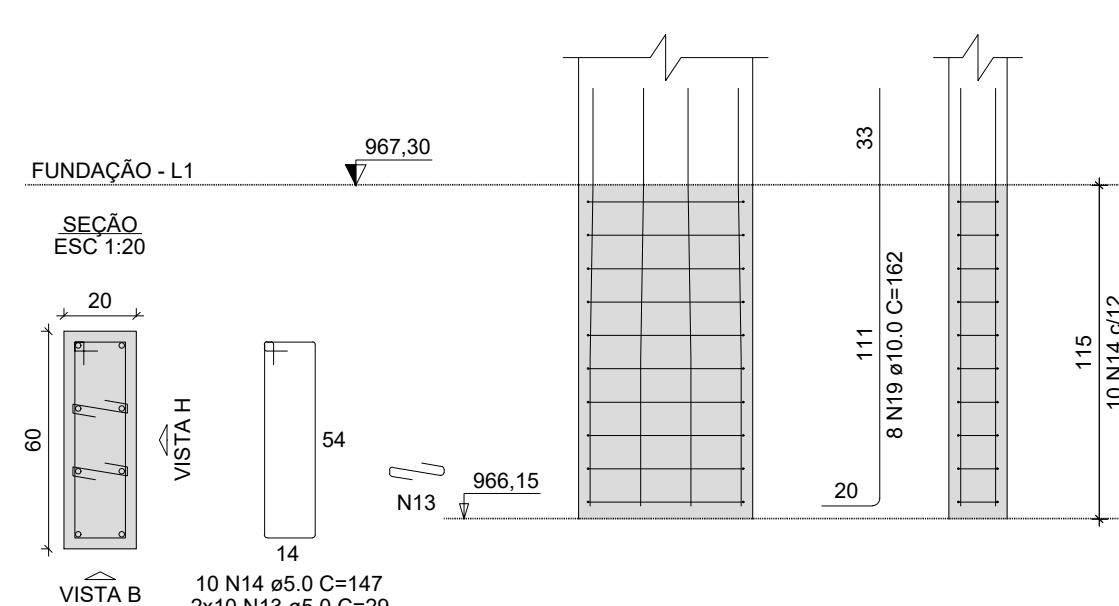
B22=B23



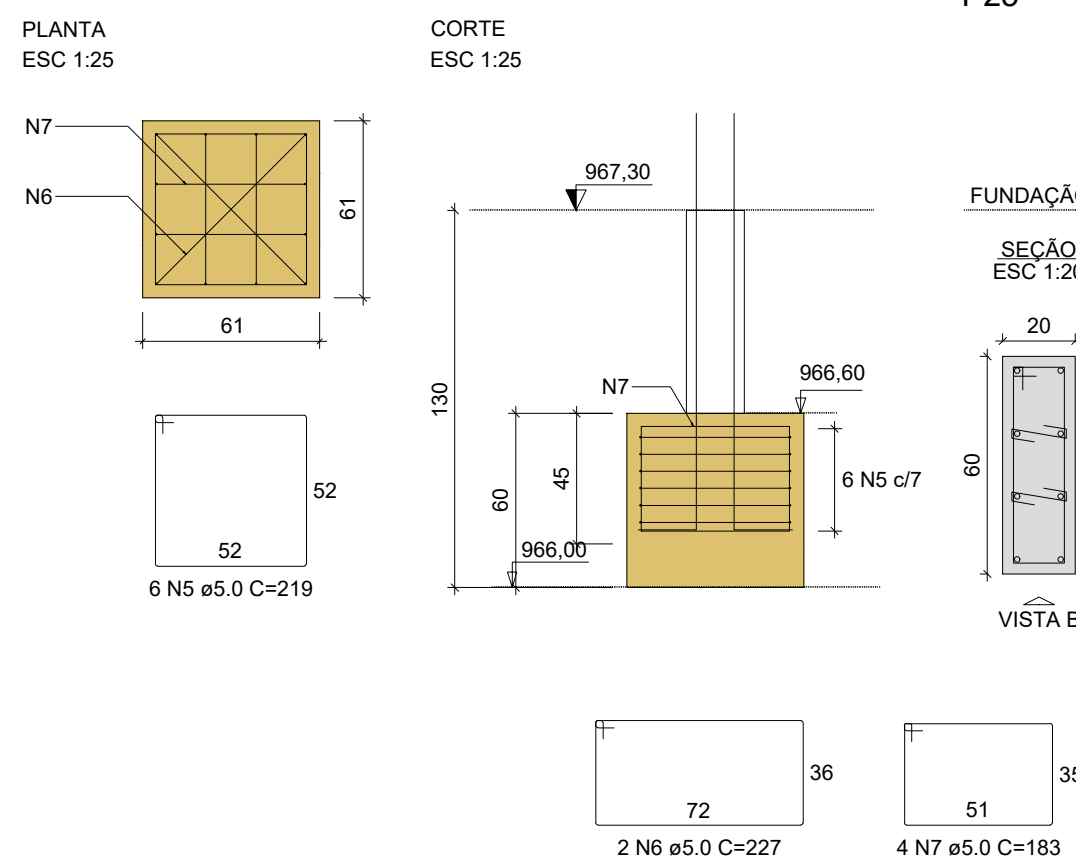
P20



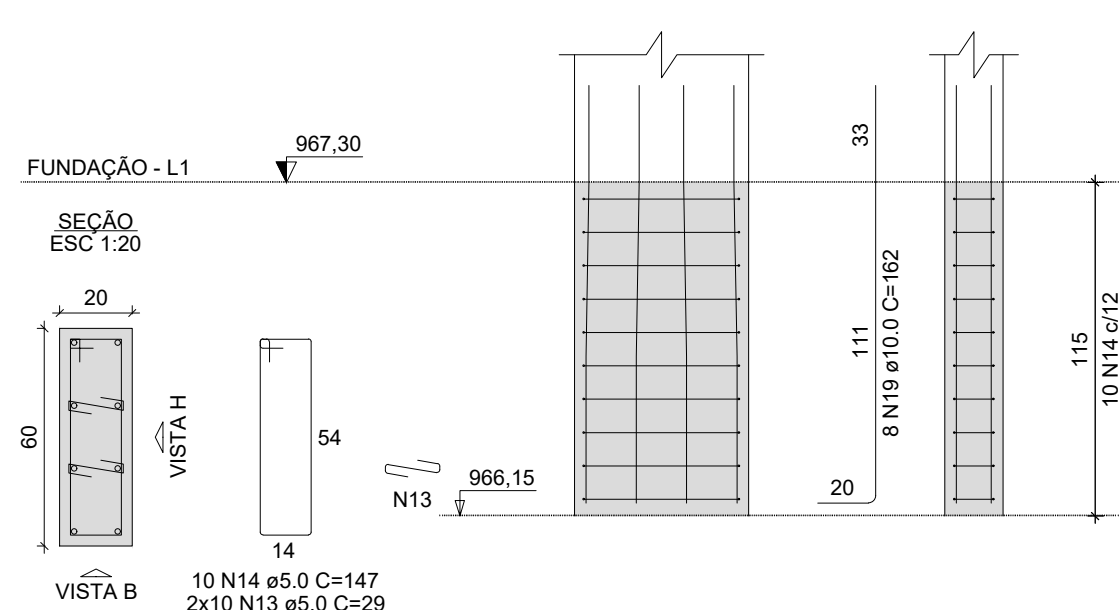
P22=P23



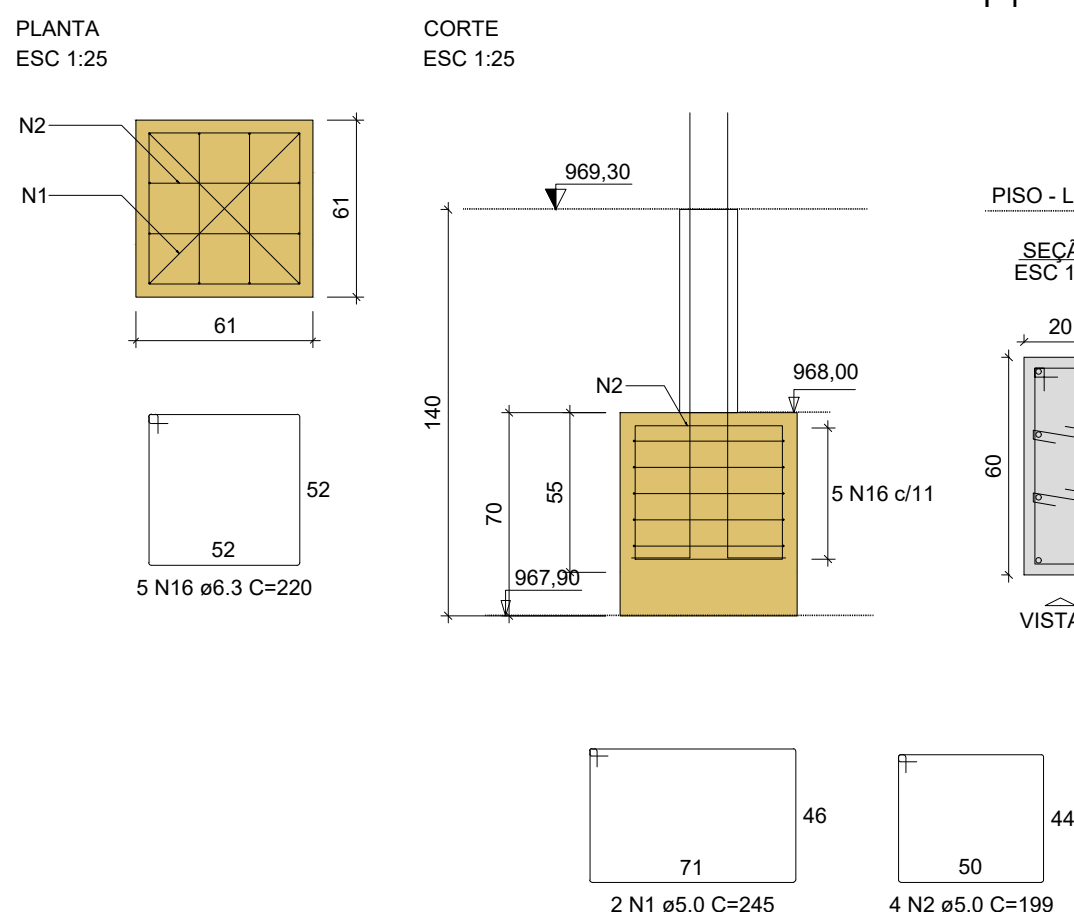
B25



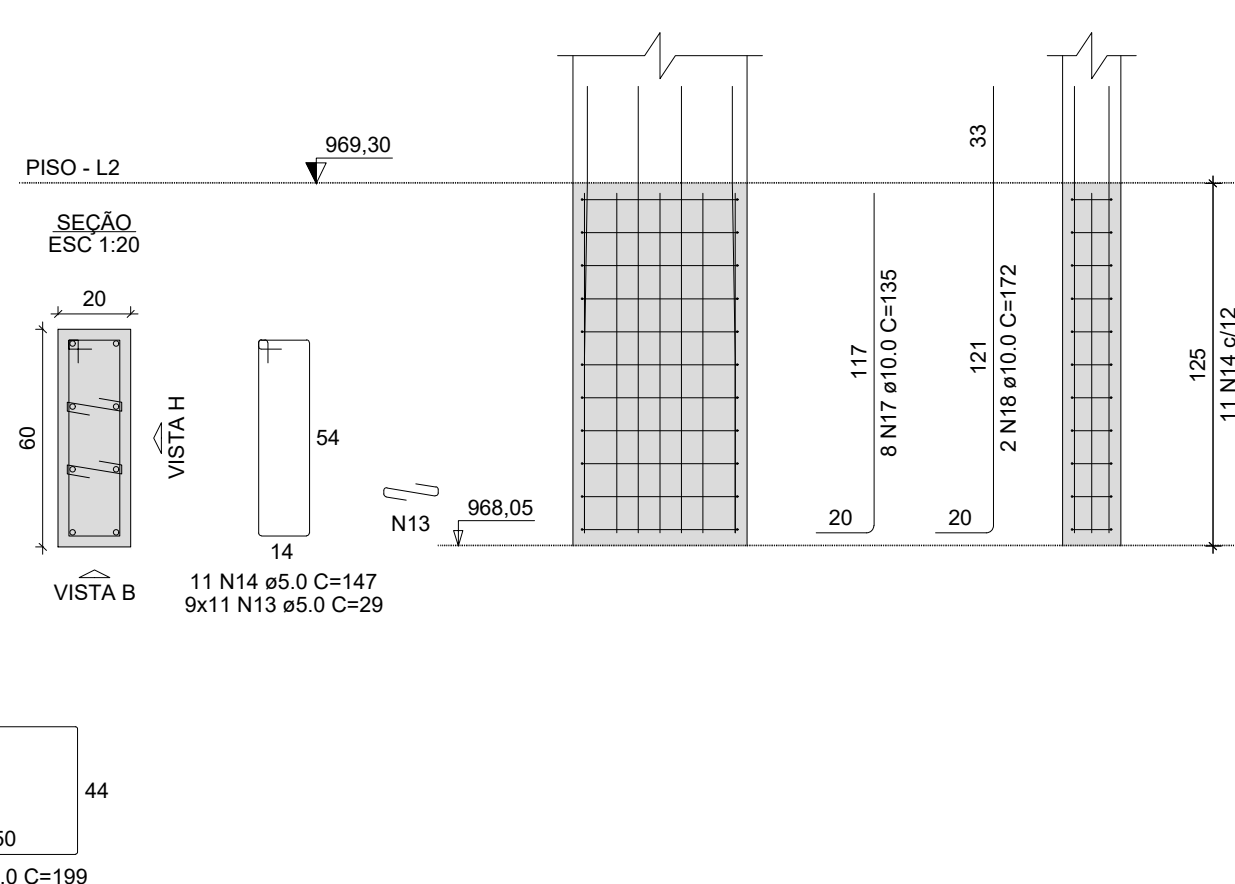
P25



B1



P1



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	2	245	490
	2	5.0	4	199	796
	3	5.0	2	265	530
	4	5.0	4	219	876
	5	5.0	22	219	4818
	6	5.0	8	227	1816
	7	5.0	16	183	2928
	8	5.0	14	255	3570
	9	5.0	4	271	1084
	10	5.0	8	221	1768
	11	5.0	2	225	450
	12	5.0	4	179	716
	13	5.0	221	29	6409
CA50	14	5.0	92	147	13524
	15	5.0	53	29	1537
	16	6.3	18	220	3960
	17	10.0	8	135	3240
	18	10.0	16	172	2752
	19	10.0	40	162	6480
	20	10.0	2	67	134
	21	12.5	6	164	984
	22	12.5	6	210	1260
	23	12.5	6	180	1080

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	39.6	10.7
	10.0	126.1	85.5
CA60	12.5	33.2	35.2
	5.0	413.1	70
PESO TOTAL (kg)			
CA50		131.4	
CA60		70	

Volume de concreto fck 3,0kN/cm² (C-30) = 3.05 m³
Área de forma = 25.30 m²

06	21/11/22	REVISÃO CONFORME NOTA TÉCNICA	ATACIZIO
REVISÃO	DATA	DESCRIÇÃO	RESP.
EMPRESA			ESPECIALIDADE
MARKA ARQUITETURA E ENGENHARIA LTDA RUA PROFESSOR ABEYARD, 279, SALA 9 CENTRO, SETE LAGOAS/MG apoio@markaprojetos.com.br (31) 3177-4235 www.markaprojetos.com.br			ESTRUTURAL
EMPREENHIMENTO - OBRA			FASE DO PROJETO
ESCOLA MUNICIPAL BELVEDERDE RUA JOSÉ COELHO, RUA CANADÁ E RUA SÉRGIO JACOWLEVSKI B. SIDERÚRGICO - CONSELHEIRO LAFAIETE/MG			EXECUTIVO
RESPONSÁVEL PROJETO JOSE ATACIZIO DA FE ENSO.004.000/00.07.669/D			
COORDENADOR PROJETO KARINE NARDY			
PROJETISTA JOSE ATACIZIO DA FE			
ASSUNTO			ESCALA
PRÓJETO DE ESTRUTURAS DE CONCRETO ARMAÇÃO DA FUNDAÇÃO-ESTRUTURA DA QUADRA			Nº FOLHA
INDICADA			
DATA			21/11/2022
ARQUIVO			984-ST-QUADRA-BELVEDERE-R06