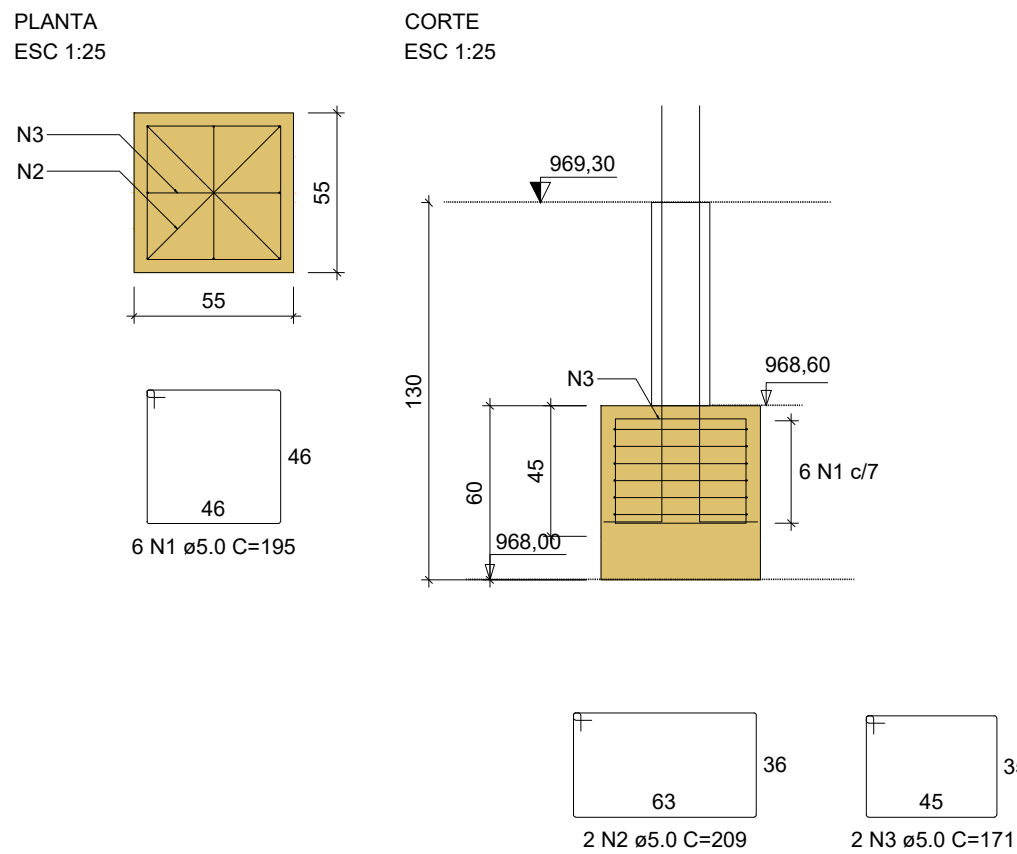
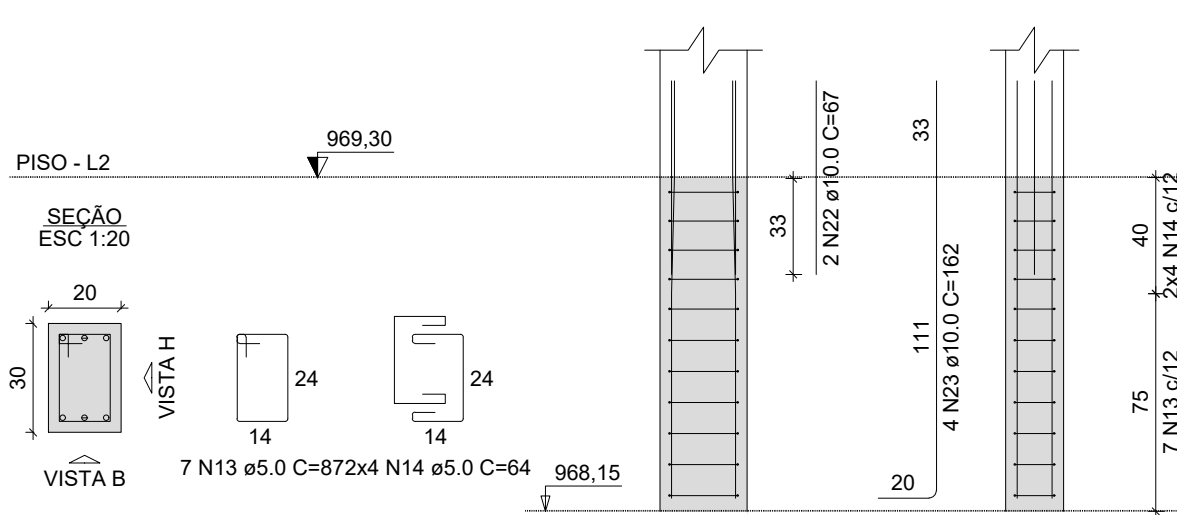


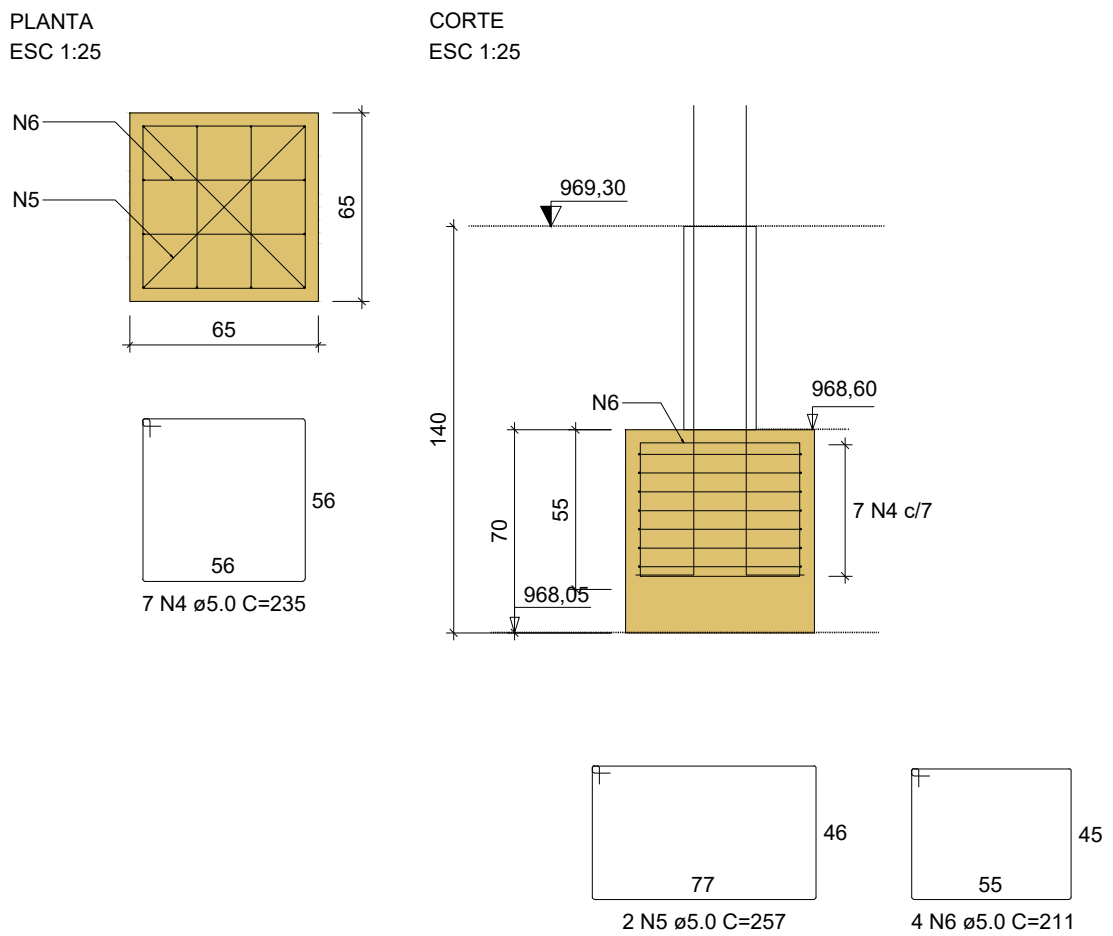
B12



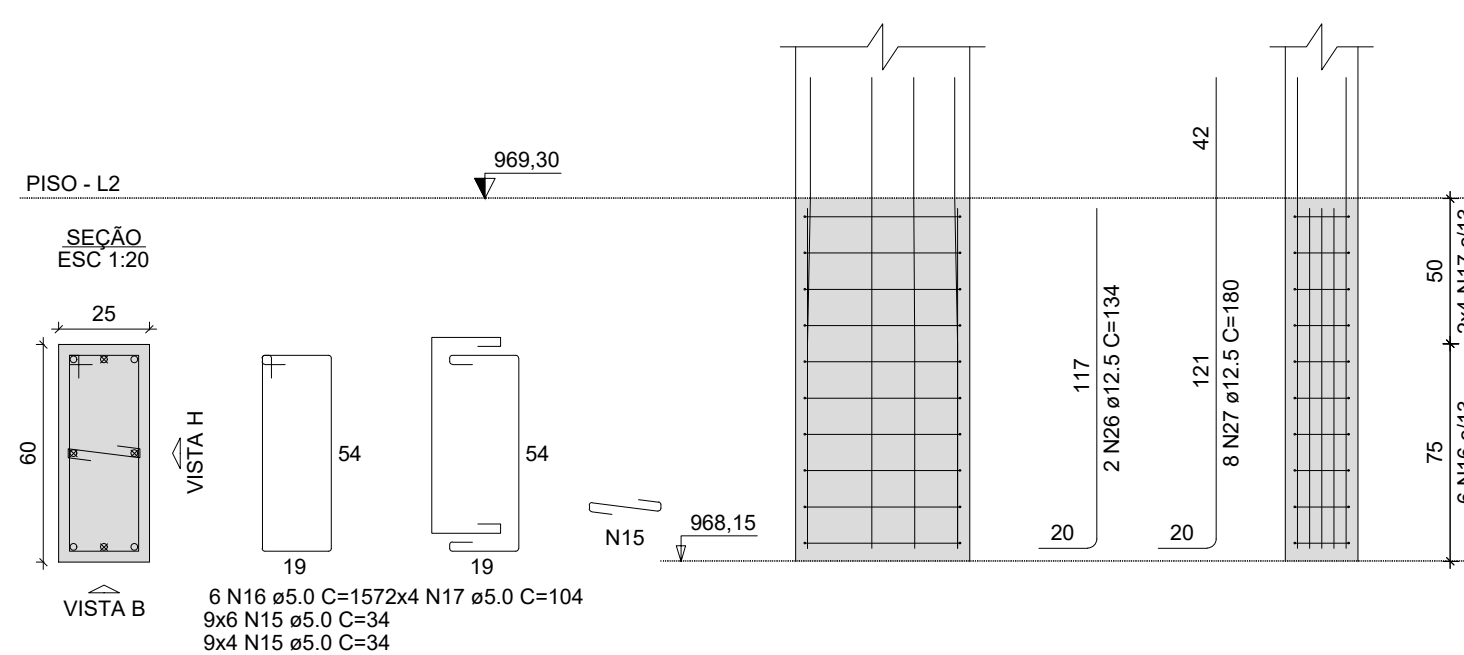
P12



B13



P13

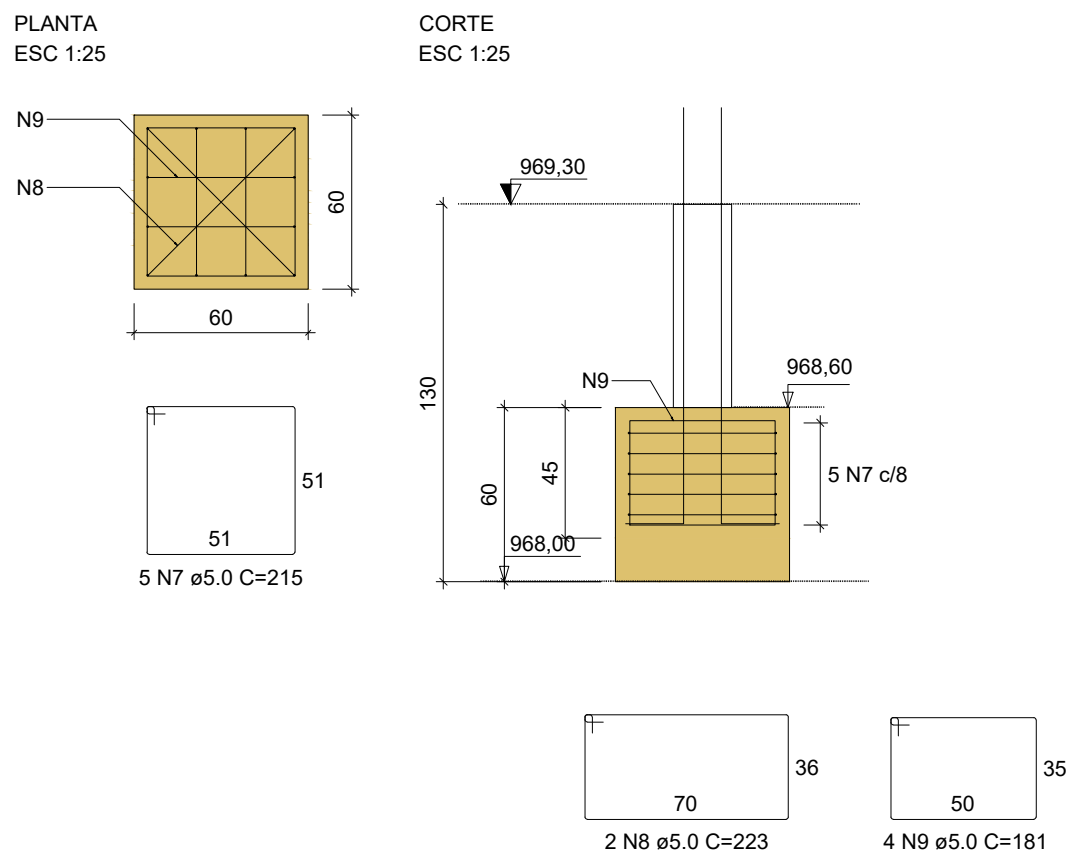


RELAÇÃO DO AÇO				
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)
CA60	1	5.0	6	195
	2	5.0	2	209
	3	5.0	2	171
	4	5.0	2	235
	5	5.0	2	257
	6	5.0	4	211
	7	5.0	5	215
	8	5.0	2	223
	9	5.0	4	181
	10	5.0	10	219
	11	5.0	4	227
	12	5.0	8	183
	13	5.0	7	87
	14	5.0	8	64
	15	5.0	90	34
	16	5.0	6	157
	17	5.0	8	104
	18	5.0	423	29
	19	5.0	147	147
	20	5.0	36	94
	21	5.0	14	29
	22	10.0	4	67
	23	10.0	28	162
	24	10.0	36	125
	25	10.0	56	233
	26	12.5	2	134
	27	12.5	8	180
	28	12.5	6	242

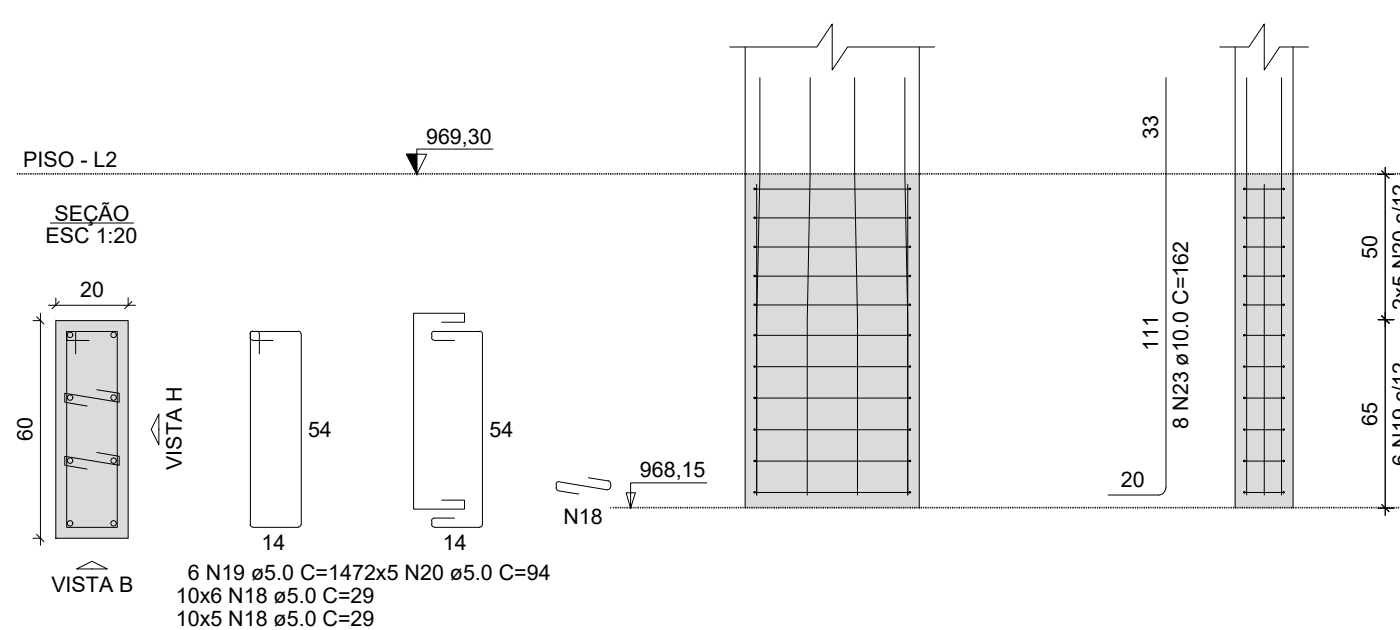
RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	223.5	151.6
CA60	12.5	73.8	78.2
CA60	5.0	553.6	93.9
PESO TOTAL (kg)			
CA50	229.8		
CA60	93.9		

Volume de concreto fck 3,0kN/cm² (C-30) = 3.41 m³
Área de forma = 38.36 m²

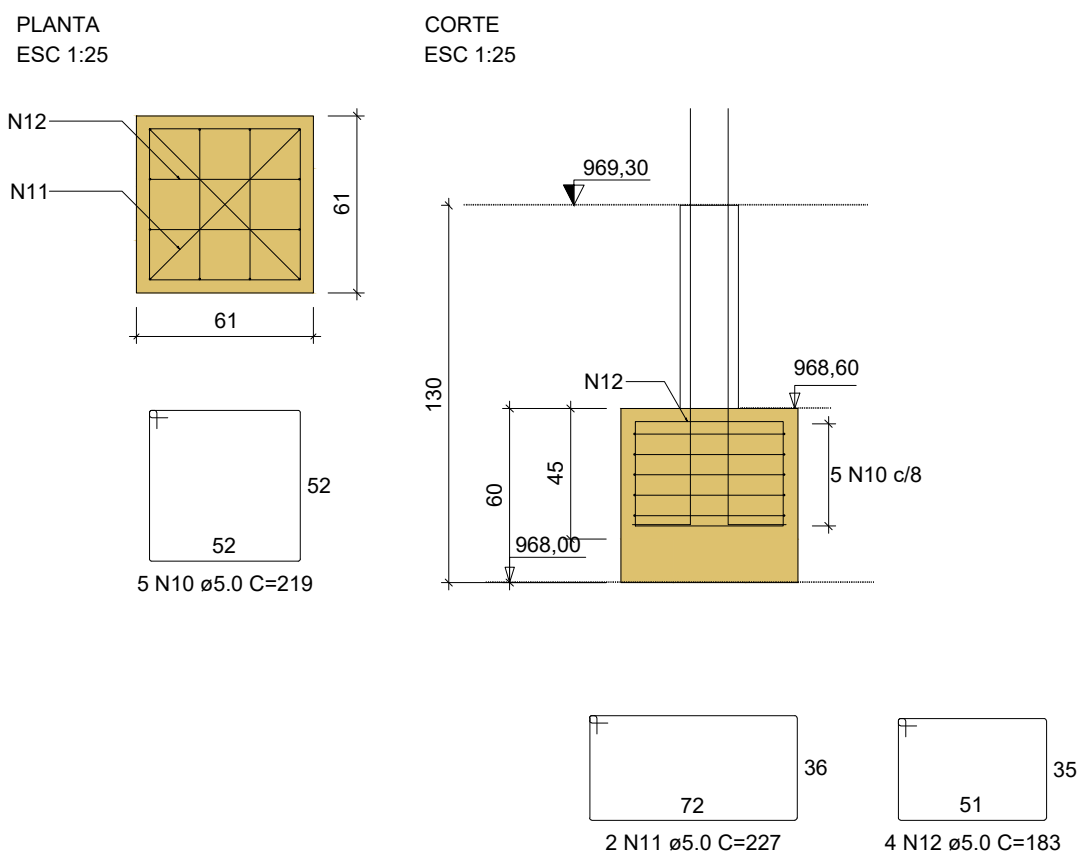
B15



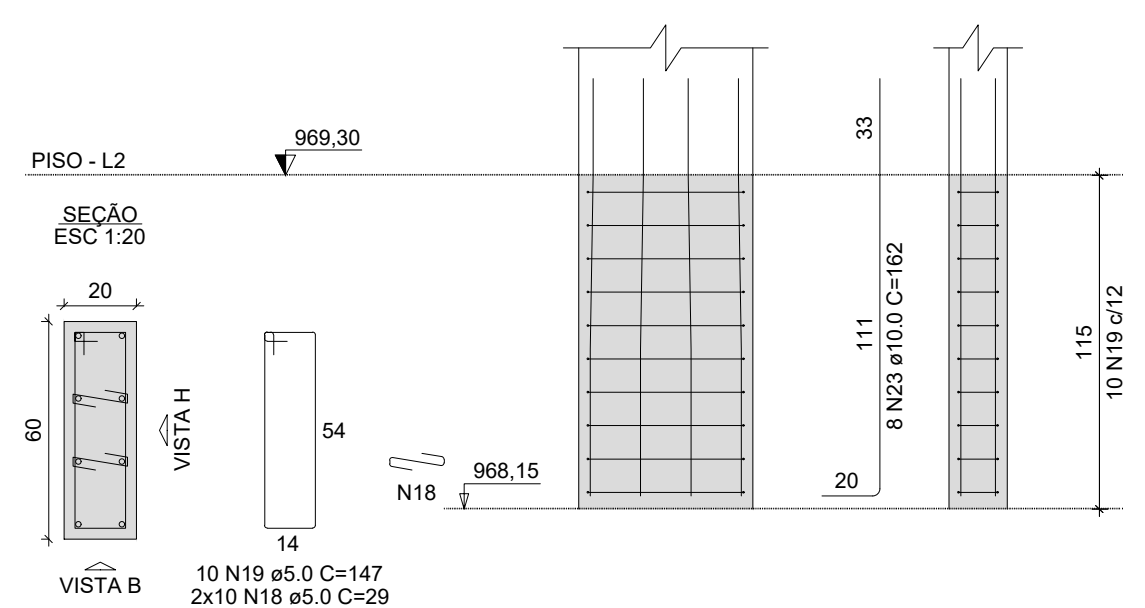
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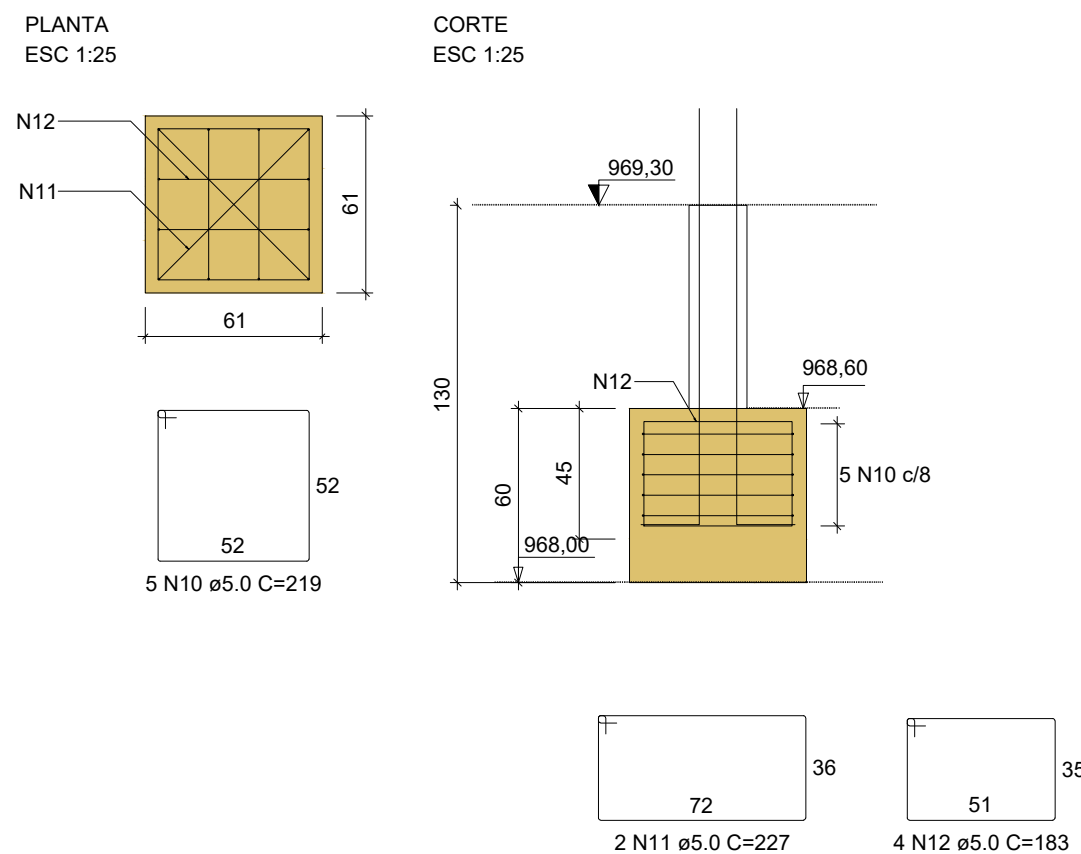
B18



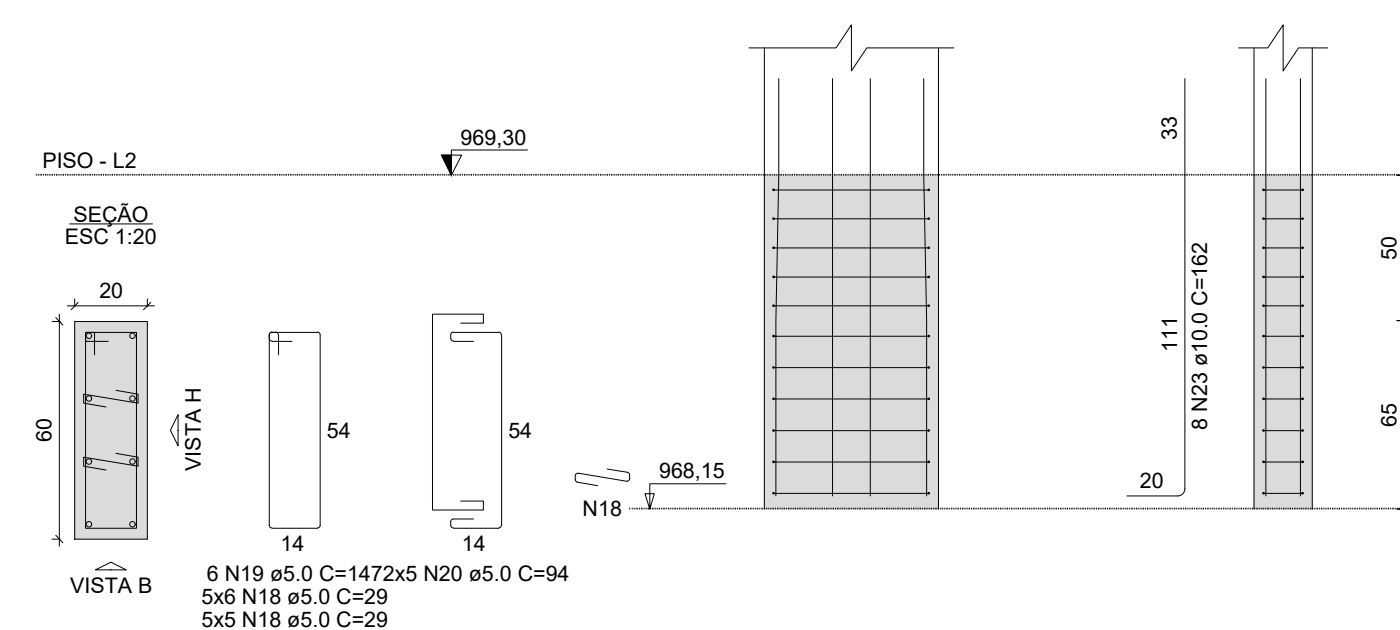
P18



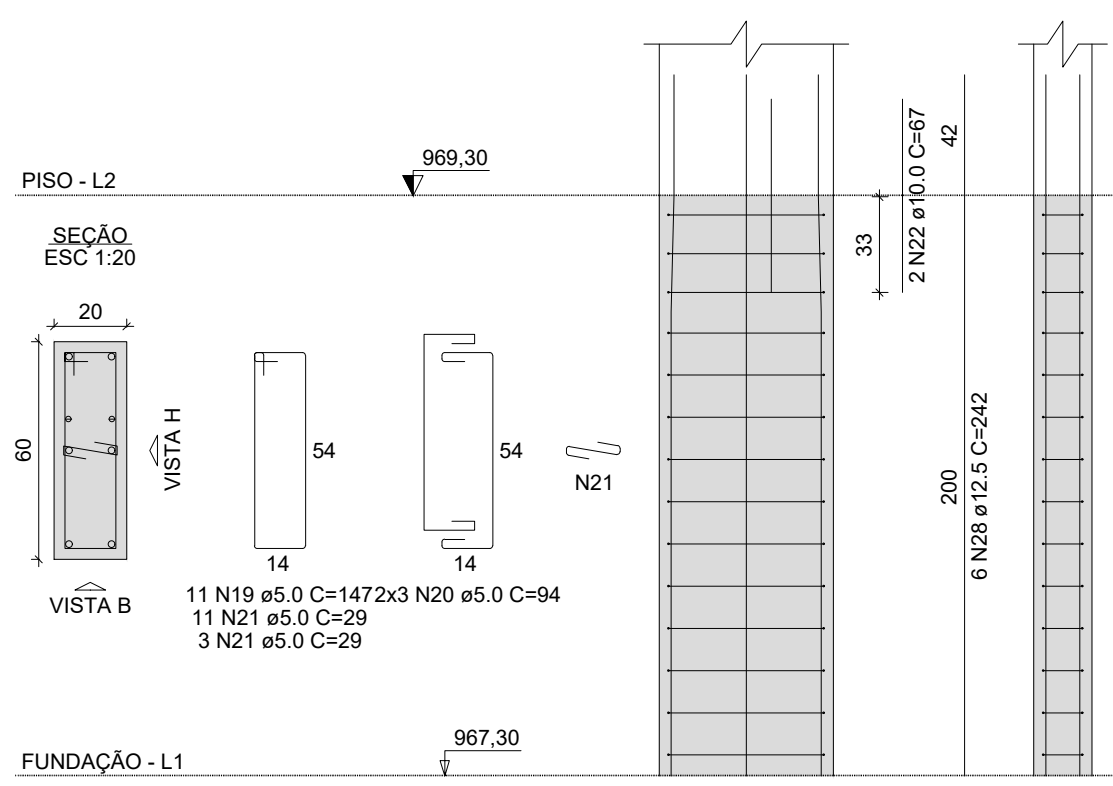
B17



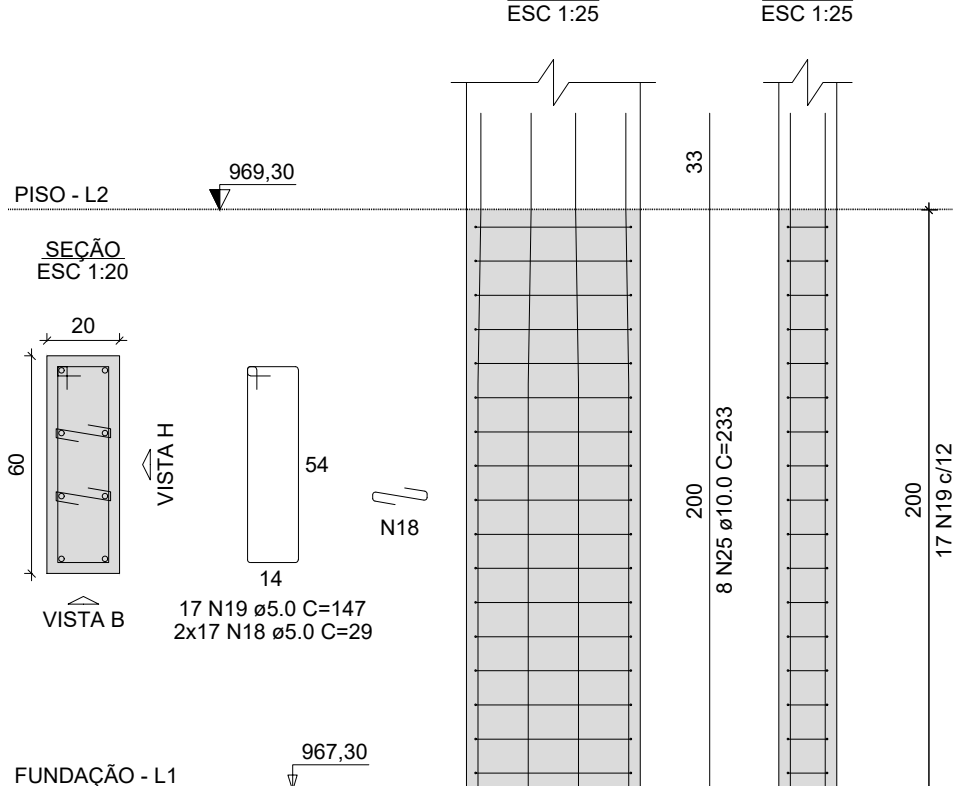
P17



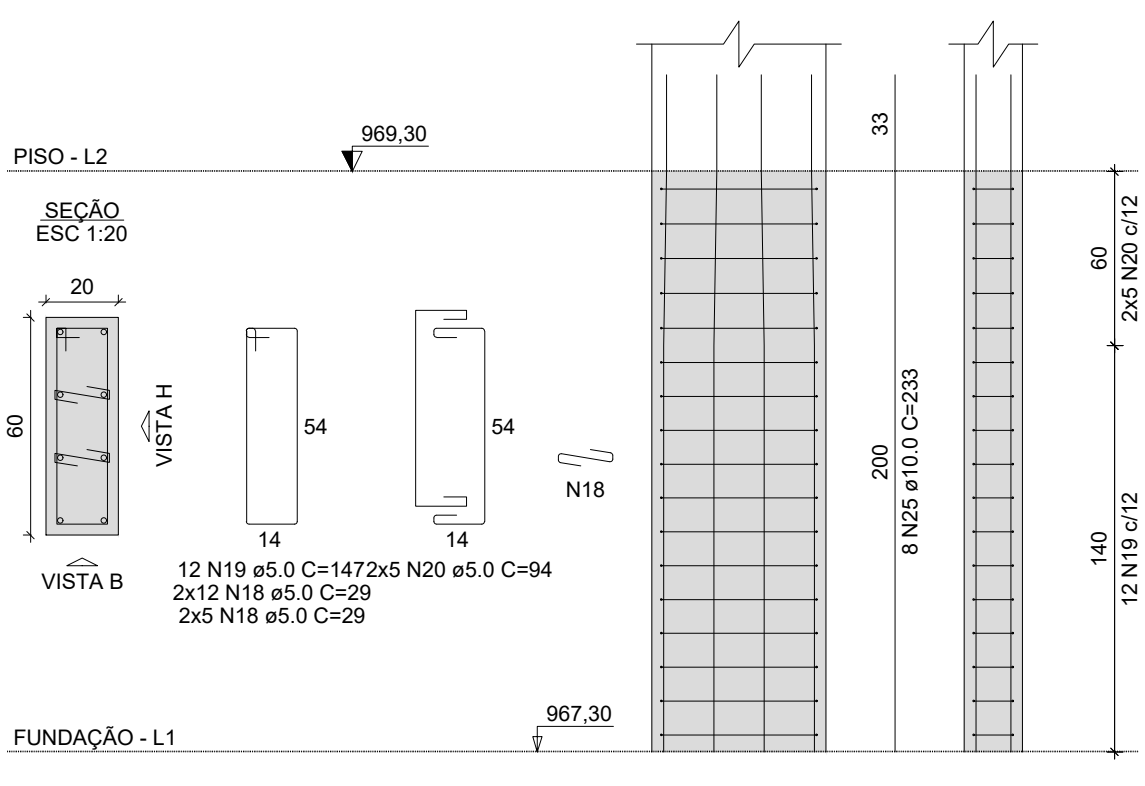
P19



P20=P21=P22=P23=P24=P25



P26



06	21/11/22	REVISÃO CONFORME NOTA TÉCNICA	ATACIZIO
REVISÃO	DATA	DESCRIÇÃO	RESP.
EMPRESA	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		
EMPREENHIMENTO - OBRA	ESCOLA MUNICIPAL BELVEDERDE RUA JOSÉ COELHO, RUA CANADÁ E RUA SÉRGIO JACOWLEWSKI B. SIDERÚRGICO - CONSELHEIRO LAFAIETE/MG		
ASSUNTO	PROJETO DE ESTRUTURAS DE CONCRETO ARMAÇÃO DA FUNDAÇÃO-ESTRUTURA DA QUADRA		
RESPONSÁVEL PROJETO	JOSE ATACIZIO DA FE ENSO. CIVIL. ORÇ. 07.669/D		
COORDENADOR PROJETO	KARINE NARDY		
PROJETISTA	JOSE ATACIZIO DA FE		
ESCALA	INDICADA		
DATA	21/11/2022		
ARQUIVO	06-EST-QUADRA-BELVEDERE-R06		