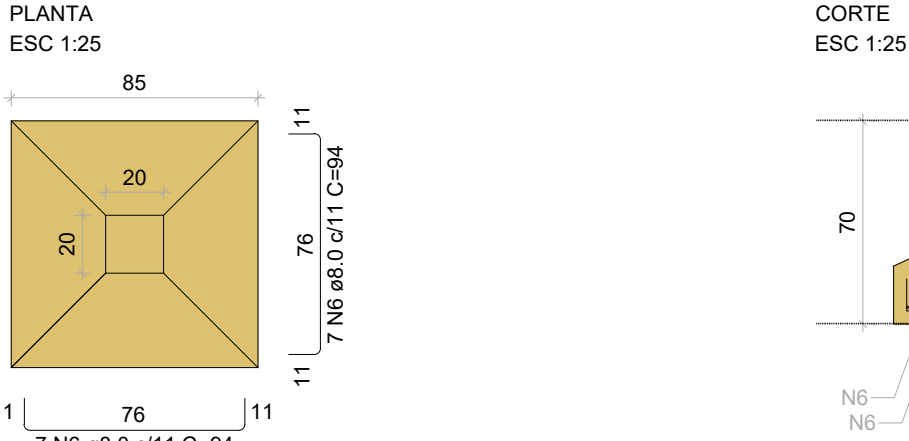
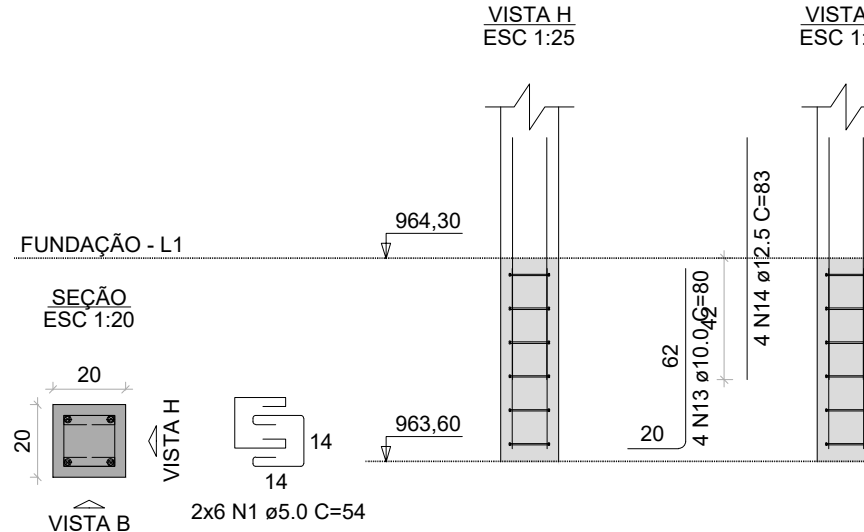


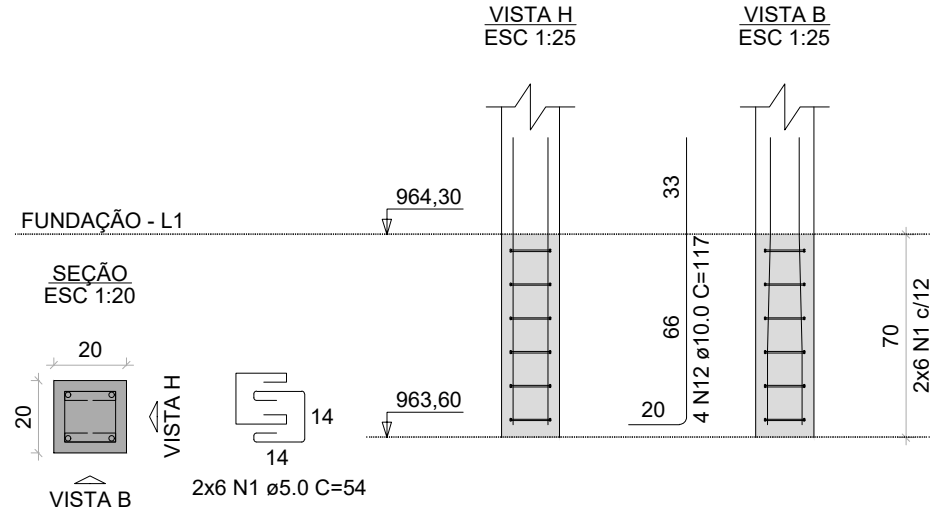
S18=S19=S20=S38=S50=S59=S60=S65



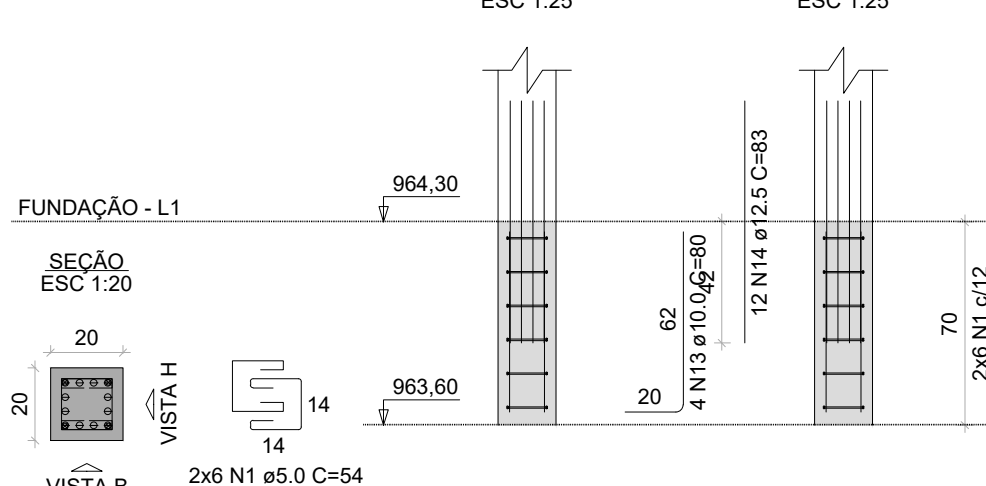
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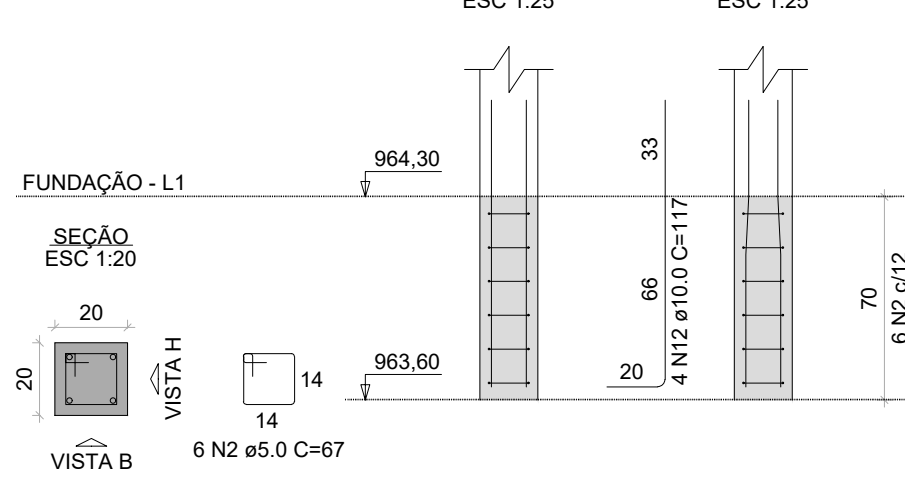
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P19



P38

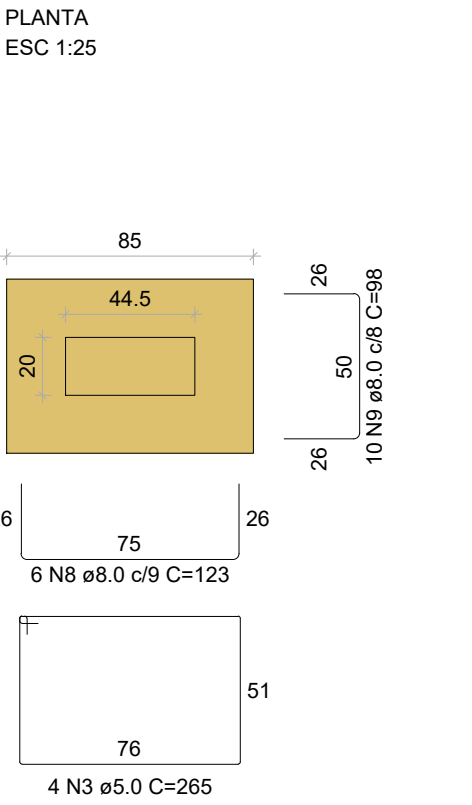


RELAÇÃO DO AÇO				
AÇO	N	DIAM (mm)	QUANT	C.TOTAL (cm)
P3	4xP16	16	548	54
4xP16	7xP22	22	32	67
P37	3xP50	50	4	265
2xP56	5xP59	59	9	86
3xP69 BLOCO 02	18xS13	13	84	18144
19xS22	S56-57			15792
				19152
				738
				980
				512
				336
				14040
				6720
				4316
				3852

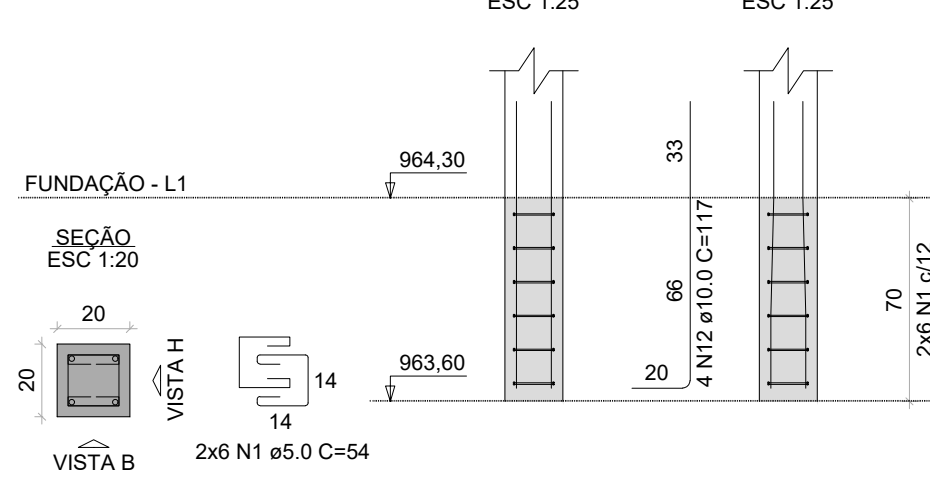
RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	7.7	2.1
	8.0	553.2	240.1
	10.0	213	144.4
	12.5	43.2	45.7
	16.0	38.5	66.9
	5.0	328	55.6
PESO TOTAL (kg)			
CA50		499.2	
CA60		55.6	

Volume de concreto fck 3,0kN/cm² (C-30) = 8.30 m³
Área de forma = 46.55 m²

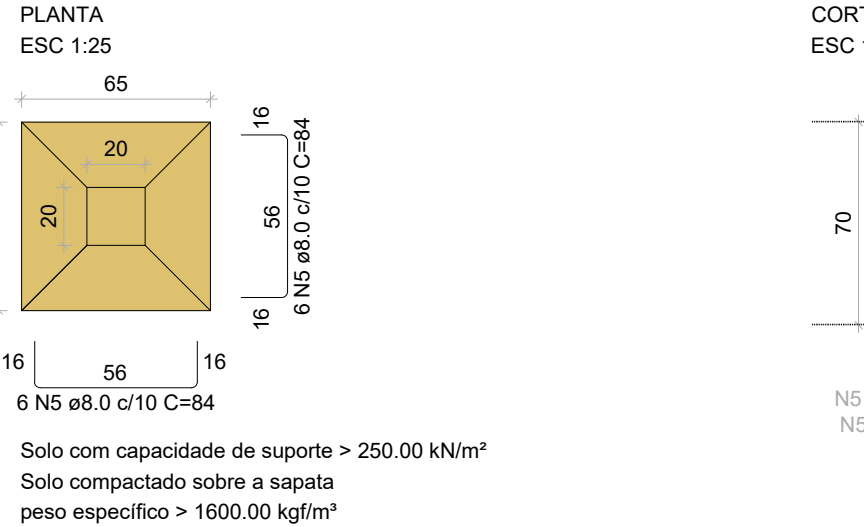
S56-57



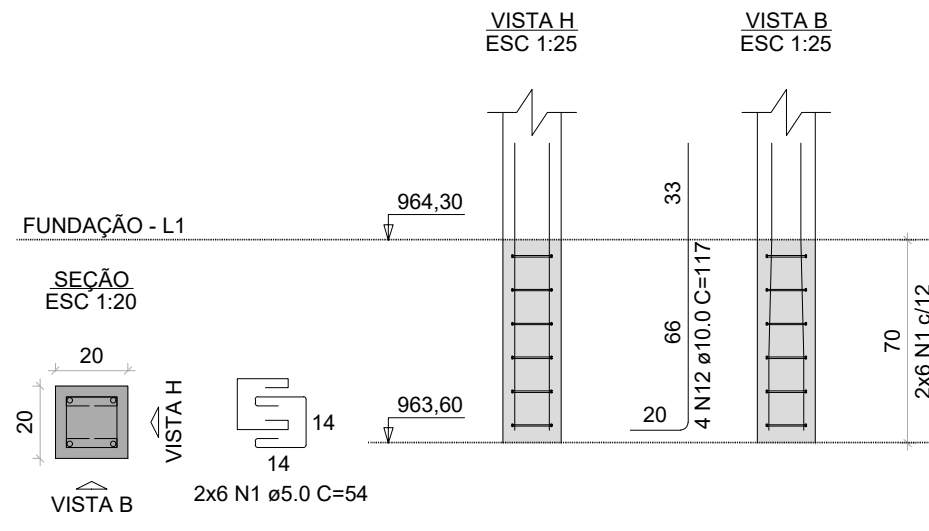
P56=P57



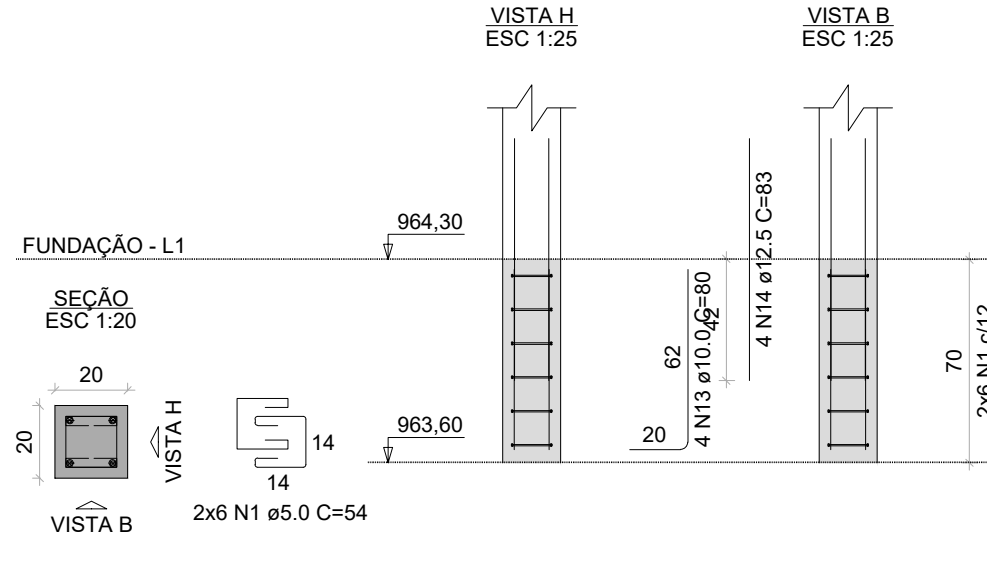
S3=S13=S14=S15=S16=S17=S26=S27=S41=S51
=S52=S63=S64



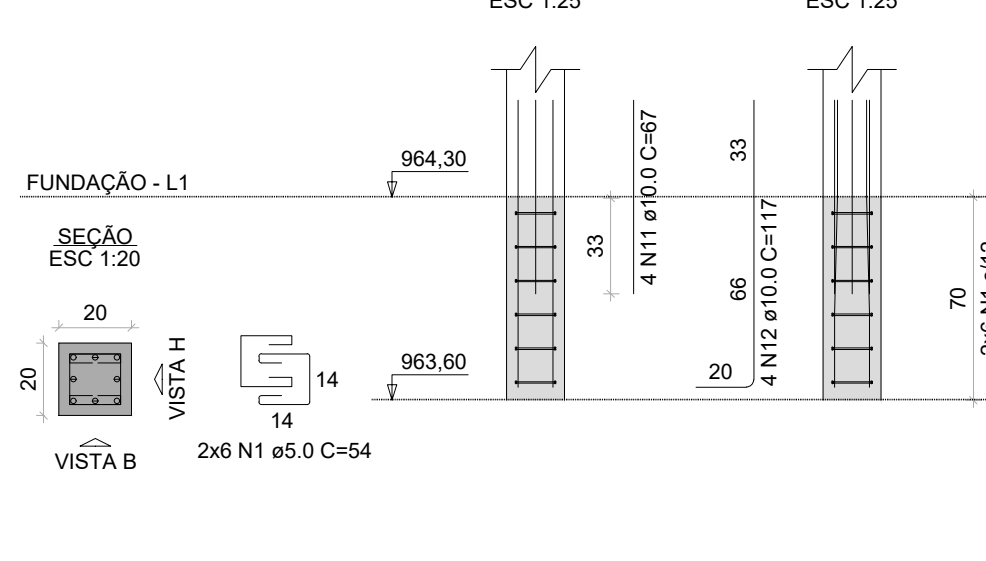
P13=P14=P15=P17=P26=P27=P41=
=P64



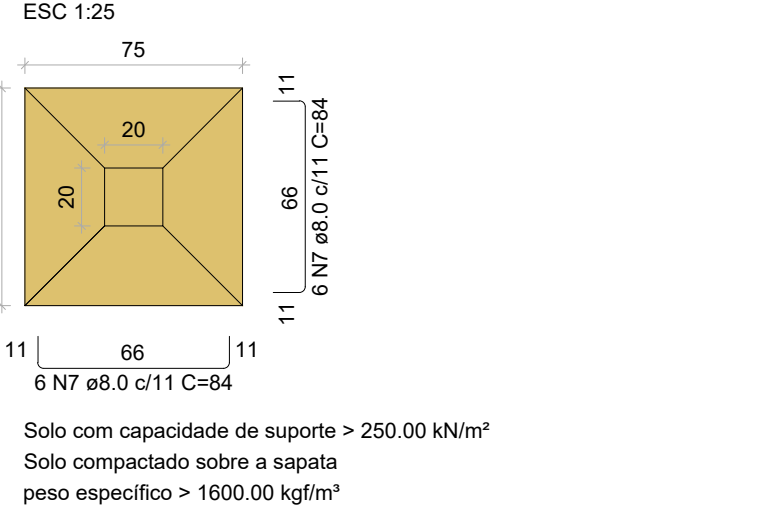
P16=P51=P52=P63



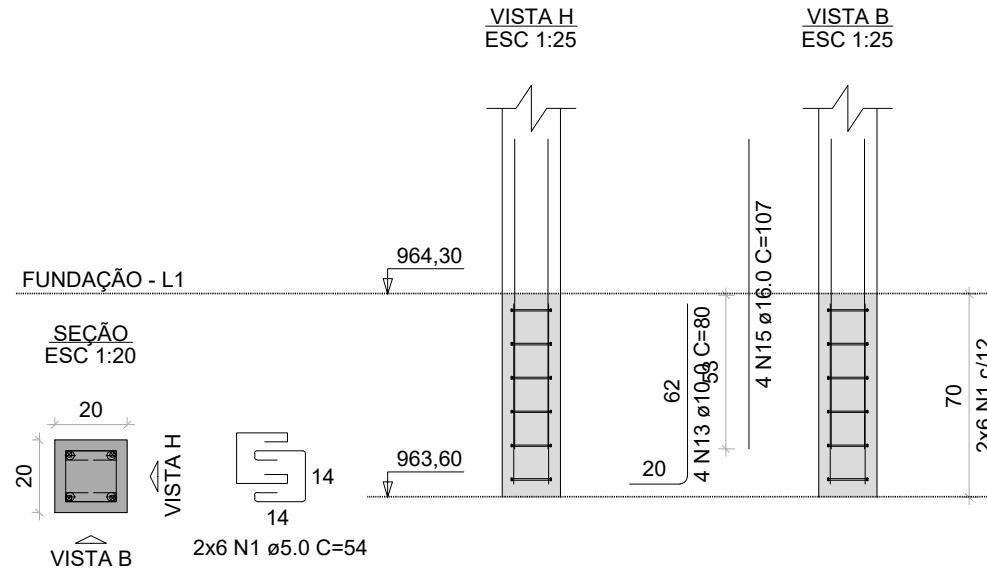
P3



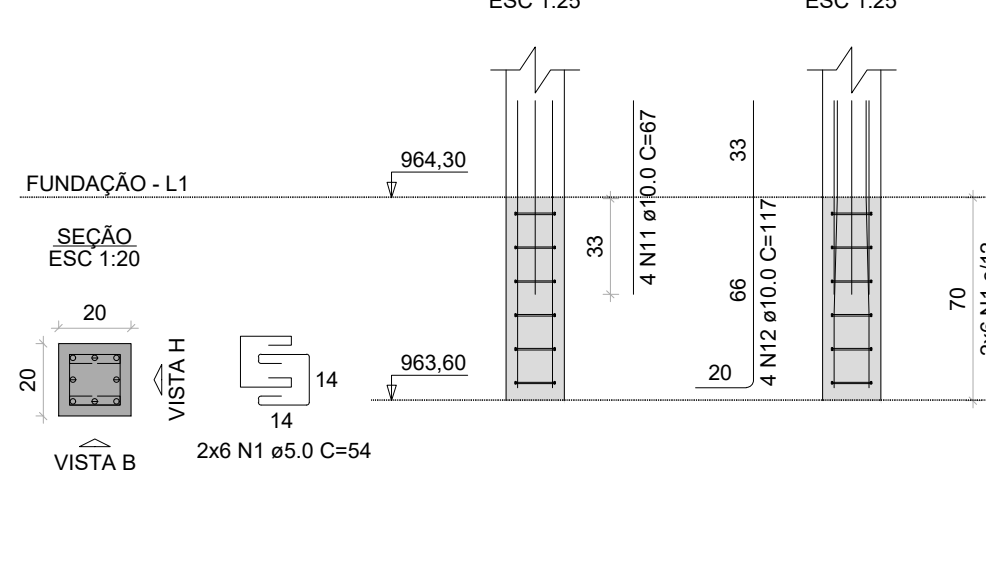
S4=S12=S21=S22=S25=S28=S32=S33=S34=S37
=S42=S43=S44=S45=S46=S47=S58=S62



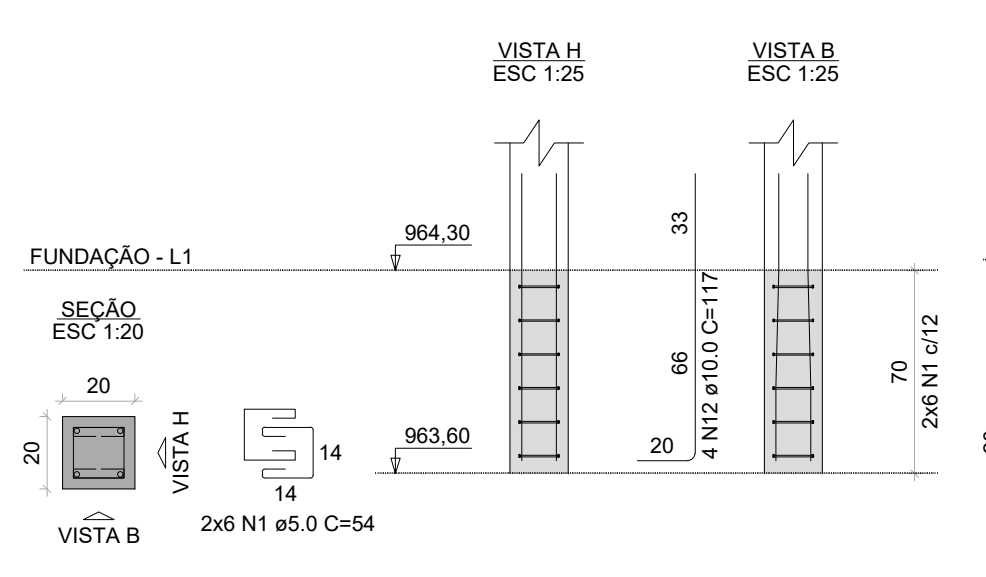
P22=P33=P42=P43=P45=P47=P62



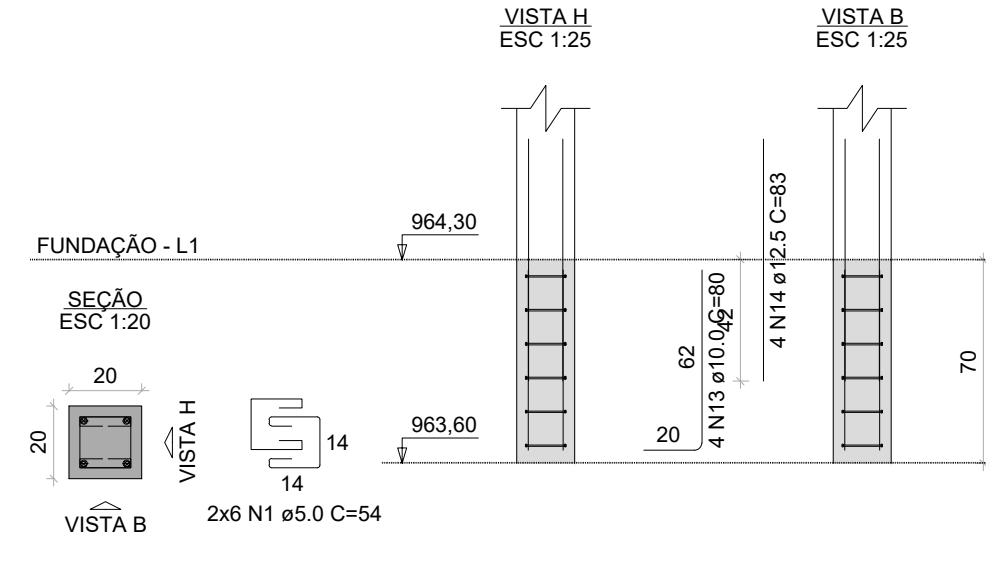
P32



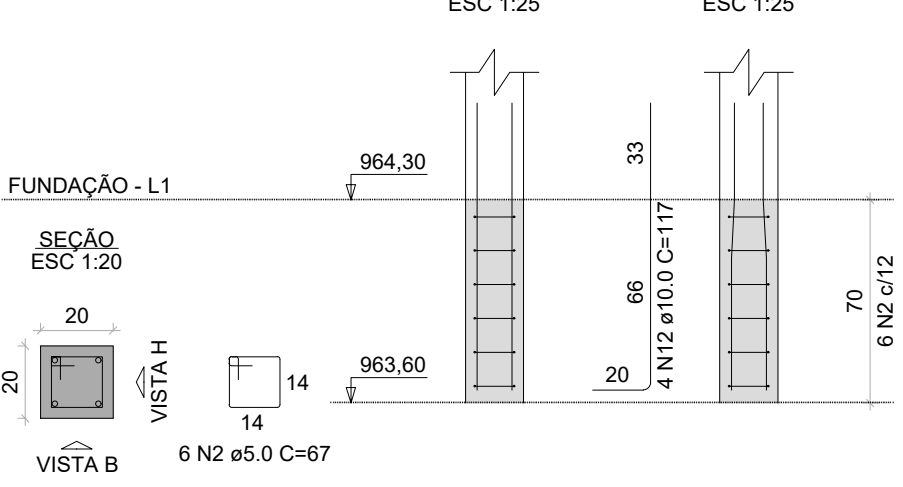
P4=P12=P21=P25=P28=P58=



P34=P44=P46



P37



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. SIDERÓRGICO - CONSELHEIRO LAFAIETE/MG		
ASSUNTO	PRÓJETO DE ESTRUTURAS DE CONCRETO ARMAÇÃO DA FUNDAÇÃO-BLOCO 01		
ESPECIALIDADE	ESTRUTURAL		
FASE DO PROJETO	EXECUTIVO		
RESPONSÁVEL PROJETO	JOSE ATACIZIO DA FE		
COORDENADOR PROJETO	KARINE NARDY		
PROJETISTA	JOSE ATACIZIO DA FE		
ESCALA	INDICADA		
DATA	21/11/22		
ARQUIVO	04		