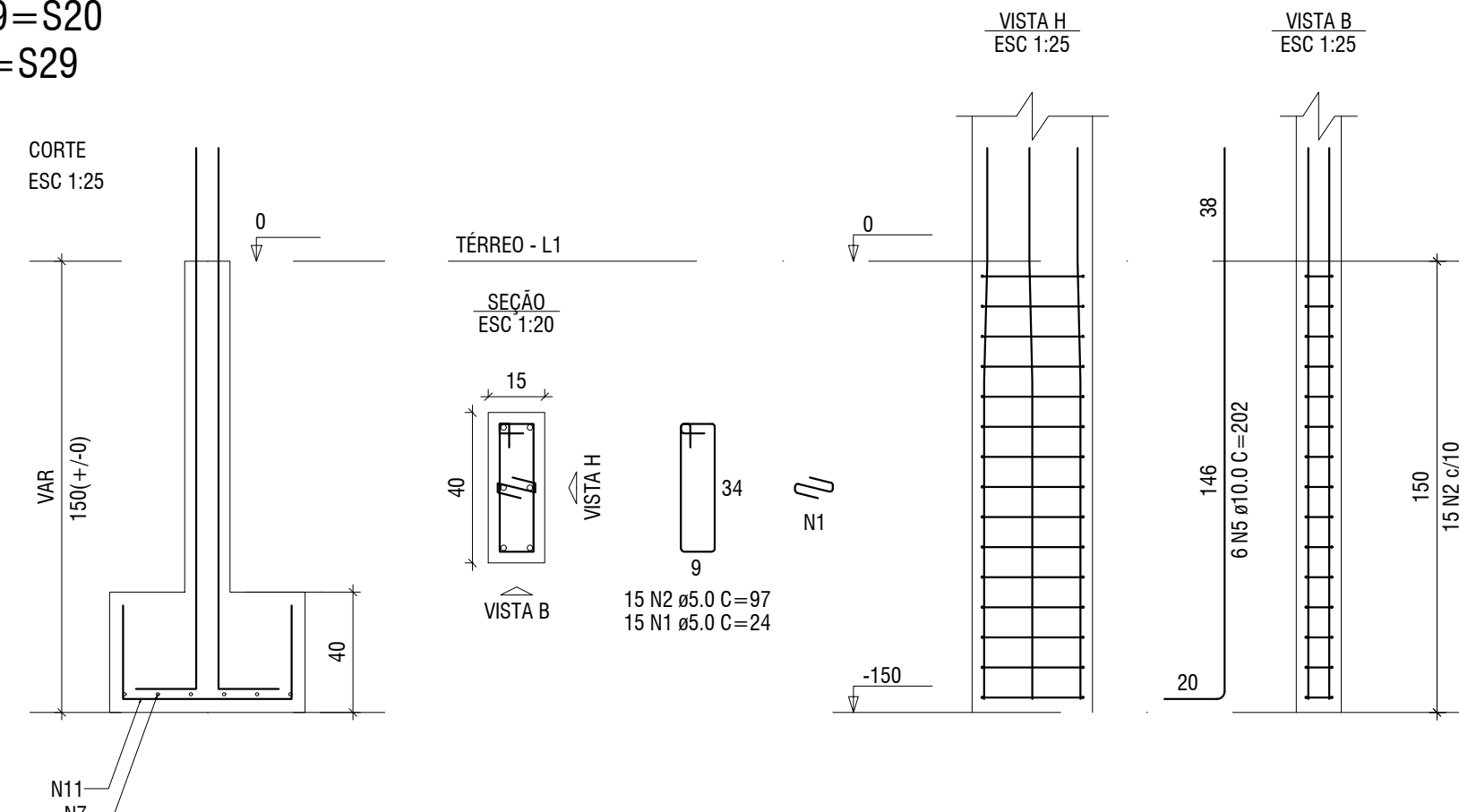
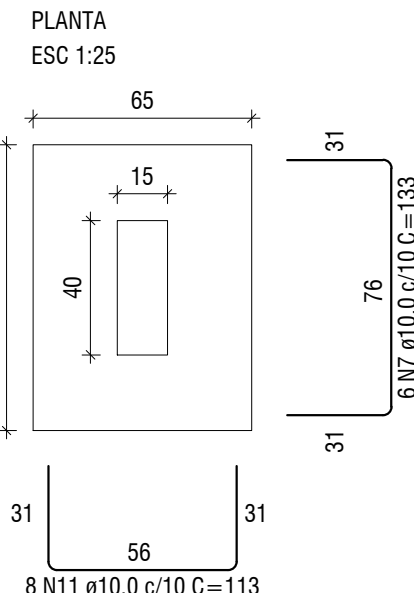
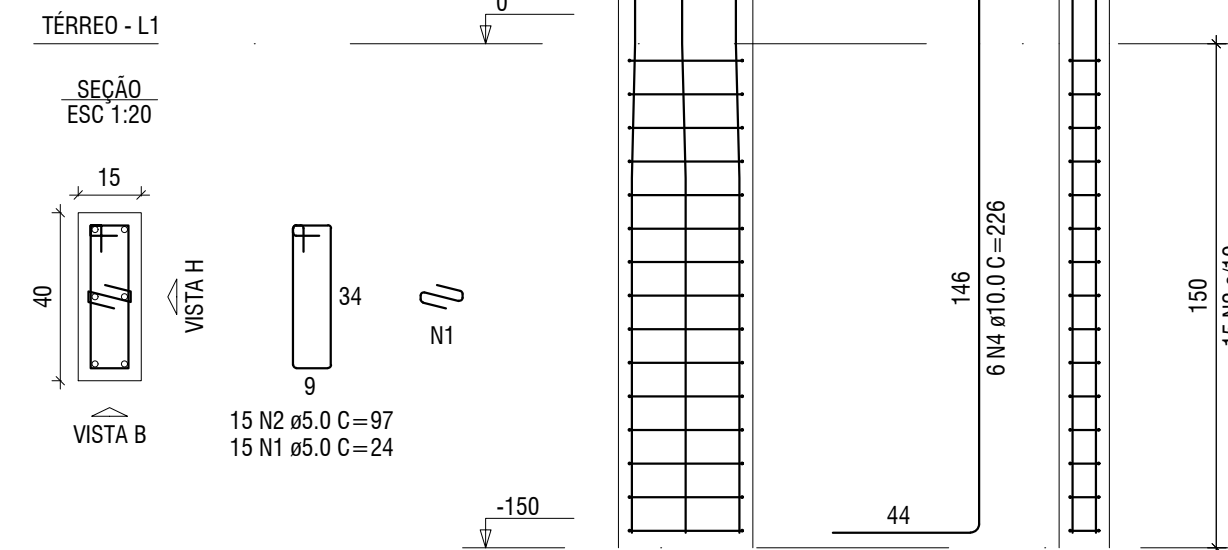
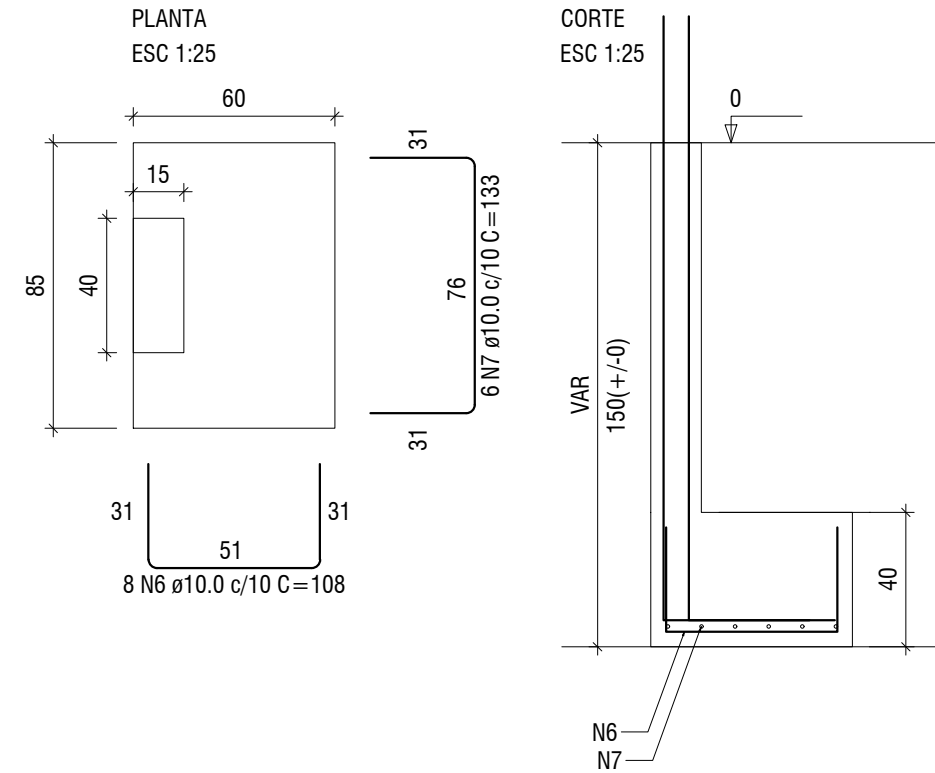
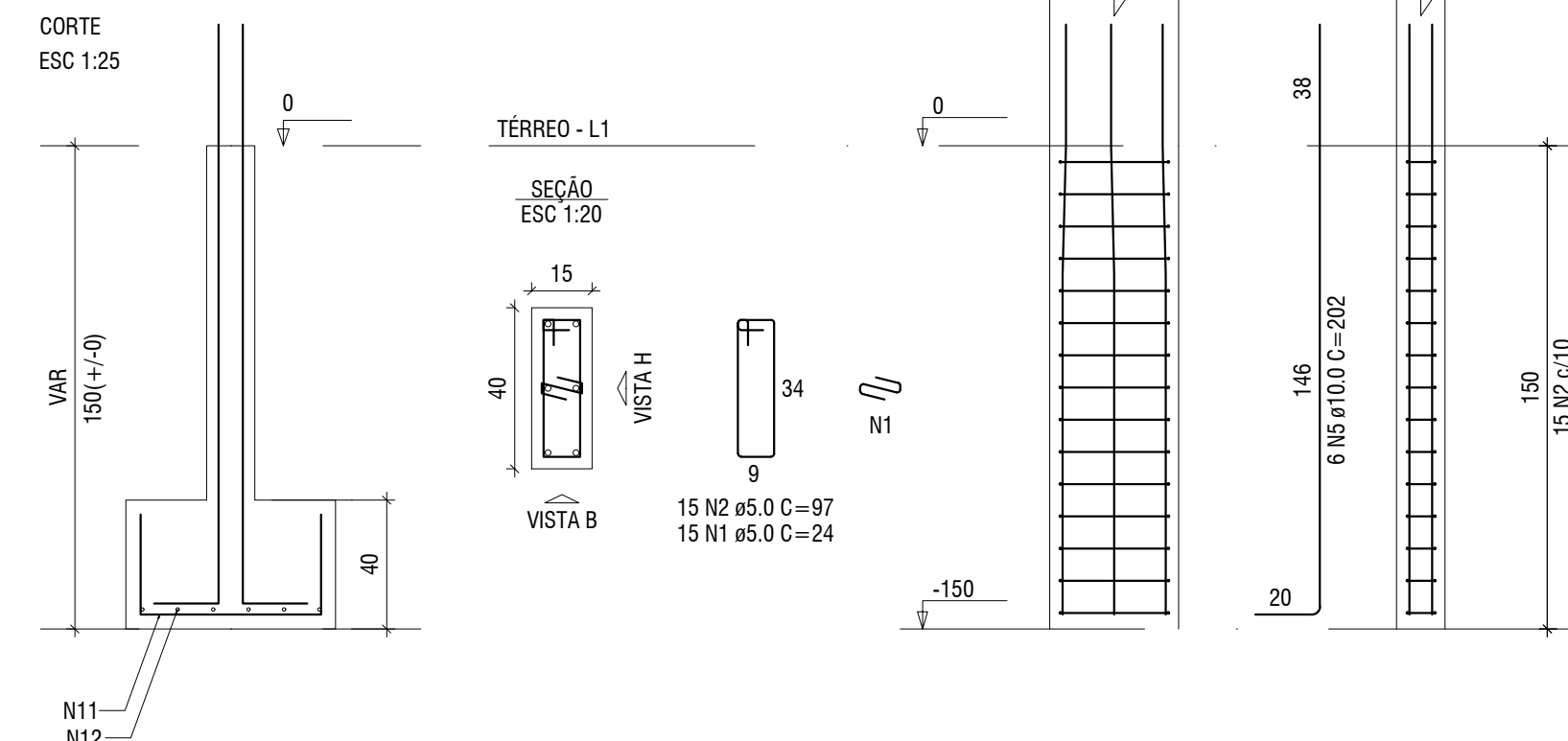
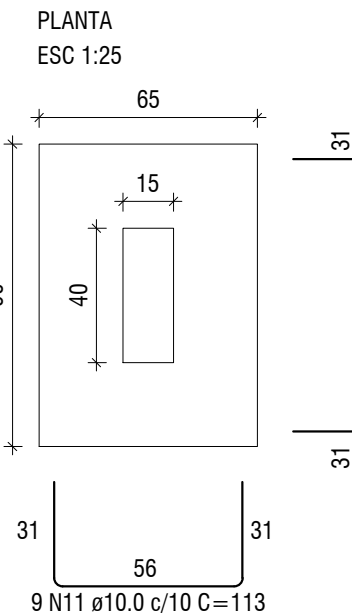
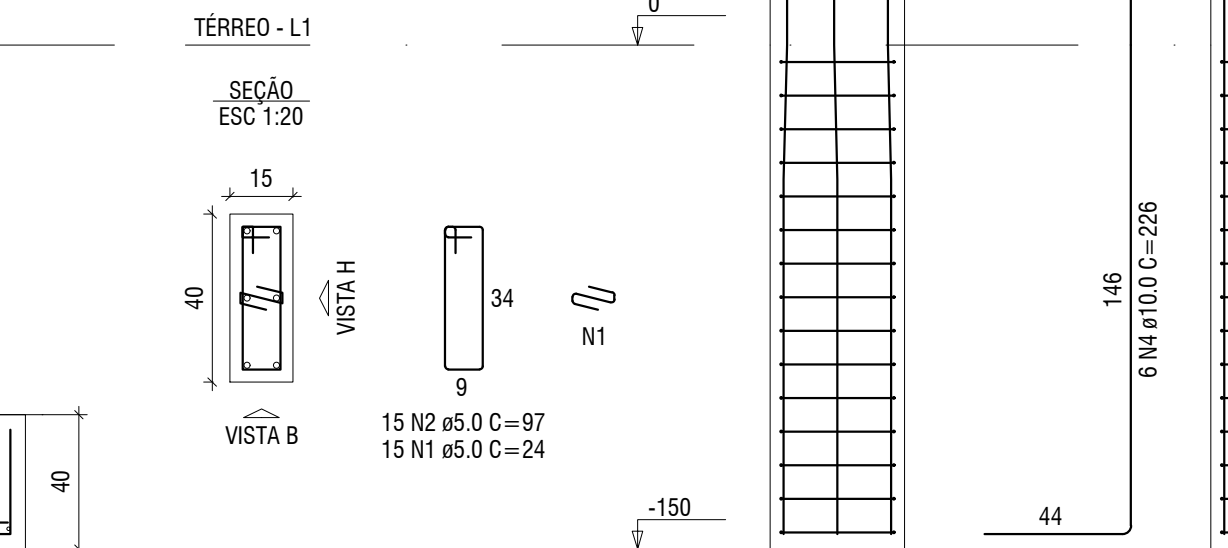
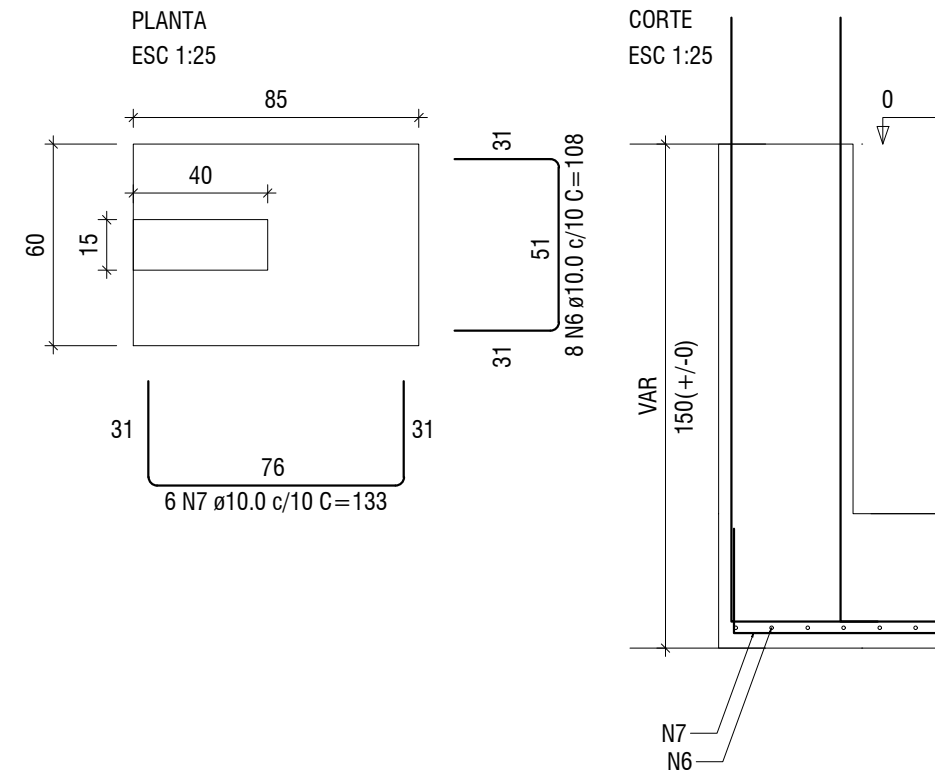


$$P_2=P_7=P_{10}=P_{11}=P_{12}=P_{14}=P_{15}=P_{16}=P_{19}=P_{20}=P_{21}=P_{22}=P_{23}=P_{24}=P_{25}=P_{26}=P_{27}=P_{28}=P_{29}=P_{30}$$


P4=P17



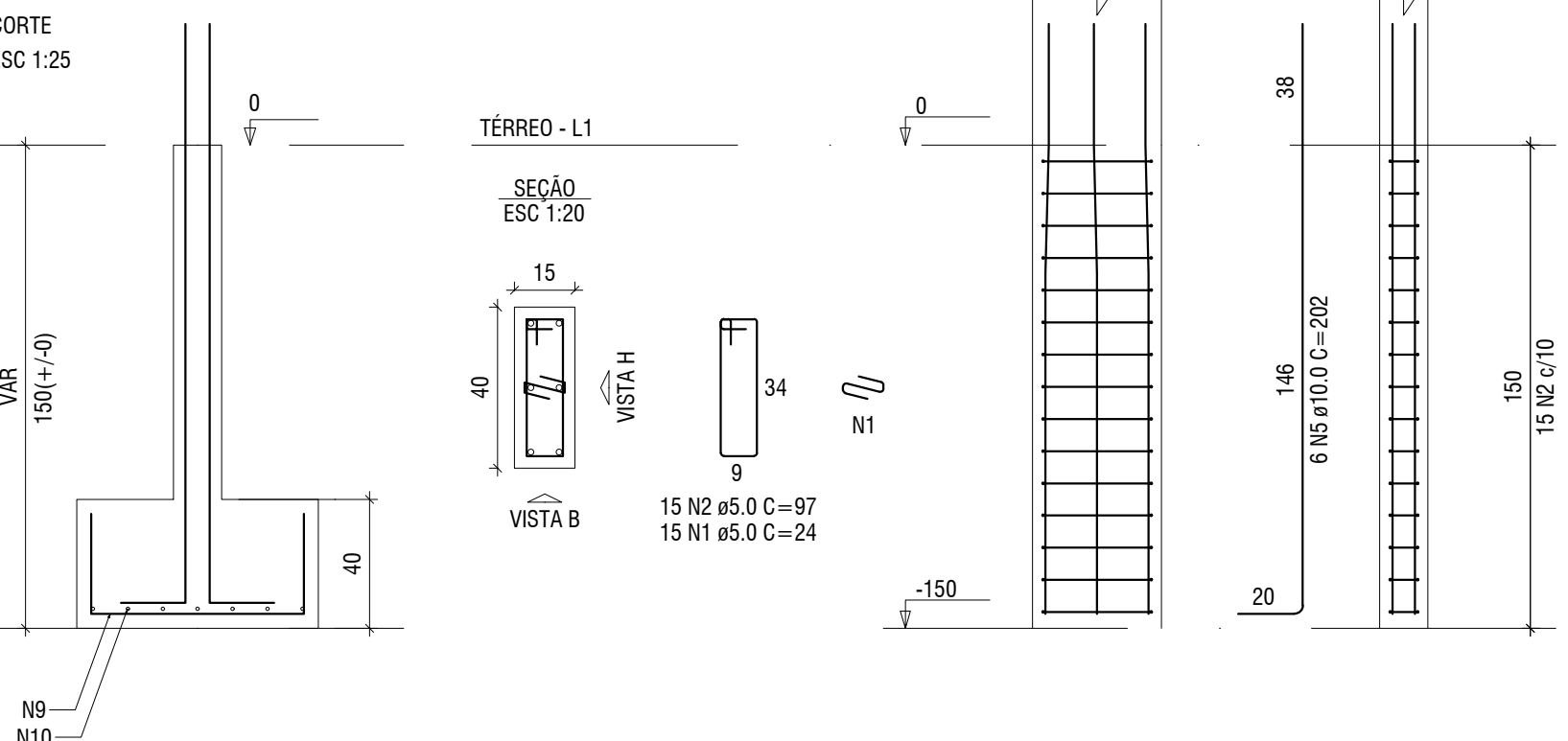
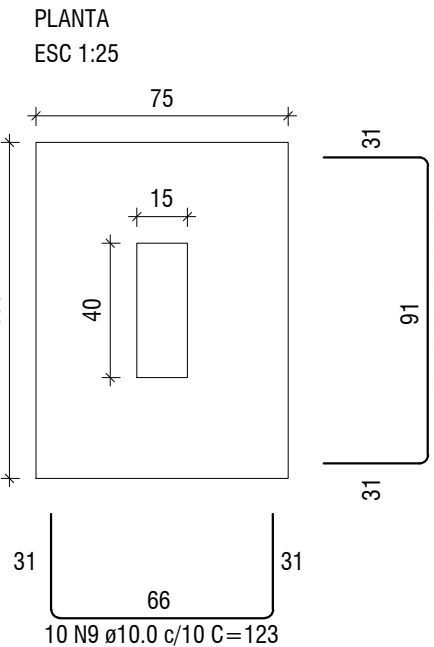
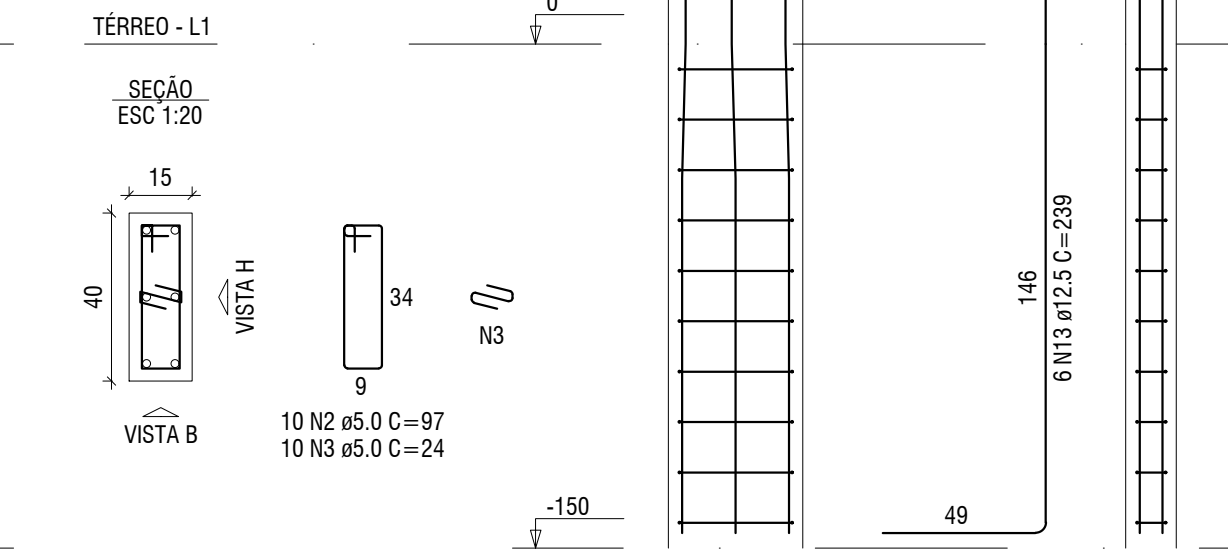
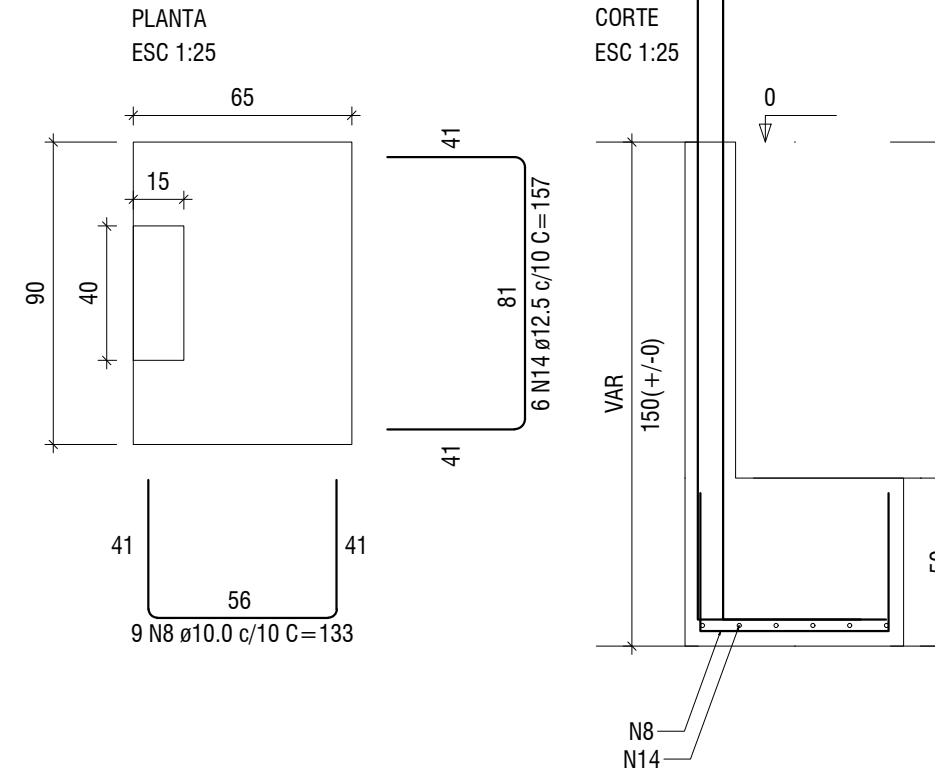
RELAÇÃO DO AÇO					
5xP1		20xP2		P3	
2xP4		P5		S5	
5xS1		S3		2xS17	
S6		20xS11			
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	435	24	10440
	2	5.0	445	97	43165
CA50	3	5.0	10	24	240
	4	10.0	36	226	8136
	5	10.0	136	202	27876
	6	10.0	68	108	5164
	7	10.0	158	123	20748
	8	10.0	9	133	1197
	9	10.0	10	123	1230
	10	10.0	7	148	1036
	11	10.0	178	113	20114
	12	10.0	12	138	1656
13	12.5	6	239	1434	
14	12.5	6	157	942	

RESUMO DO AÇO

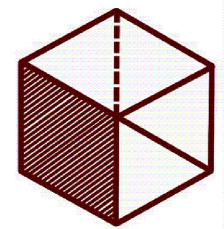
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	871.8	591.2
	12.5	23.8	25.2
CA60	5.0	538.5	91.3
PESO TOTAL (kg)			
CA50	616.4		
CA60	91.3		

Volume de concreto (C-20) = 8.68 m³
Área de forma = 72.58 m²

P6



FUNDAÇÃO
Escalas indicadas



DANILO
GUIMARÃES
ENGENHARIA & ARQUITETURA

PROJETO	DETALHE ESTRUTURAL	ÁREA TOTAL À CONSTRUIR 244,30m²	ÁREA DO LOTE -
	USO COMERCIAL	ENDEREÇO RUA LEVI GONÇALVES DA FONSECA, S/Nº.	
	TÍTULO INICIAL	MUNICÍPIO/UF FELIXLÂNDIA/MG	
	CONTEÚDO DETALHAMENTO DA FUNDAÇÃO	INSCRIÇÃO MUNICIPAL -	
	PROPRIETÁRIO		
MUNICÍPIO DE FELIXLÂNDIA CNPJ: 17.695.032/0001-51			
RESPONSÁVEL TÉCNICO PELO PROJETO		CREA 183.382/D	DATA NOVEMBRO/2024
DANILO SANTOS XAVIER GUIMARÃES ENGENHEIRO CIVIL		CIDADE/UF CURVELO/MG	FOLHA 02/06