

Relação do aço

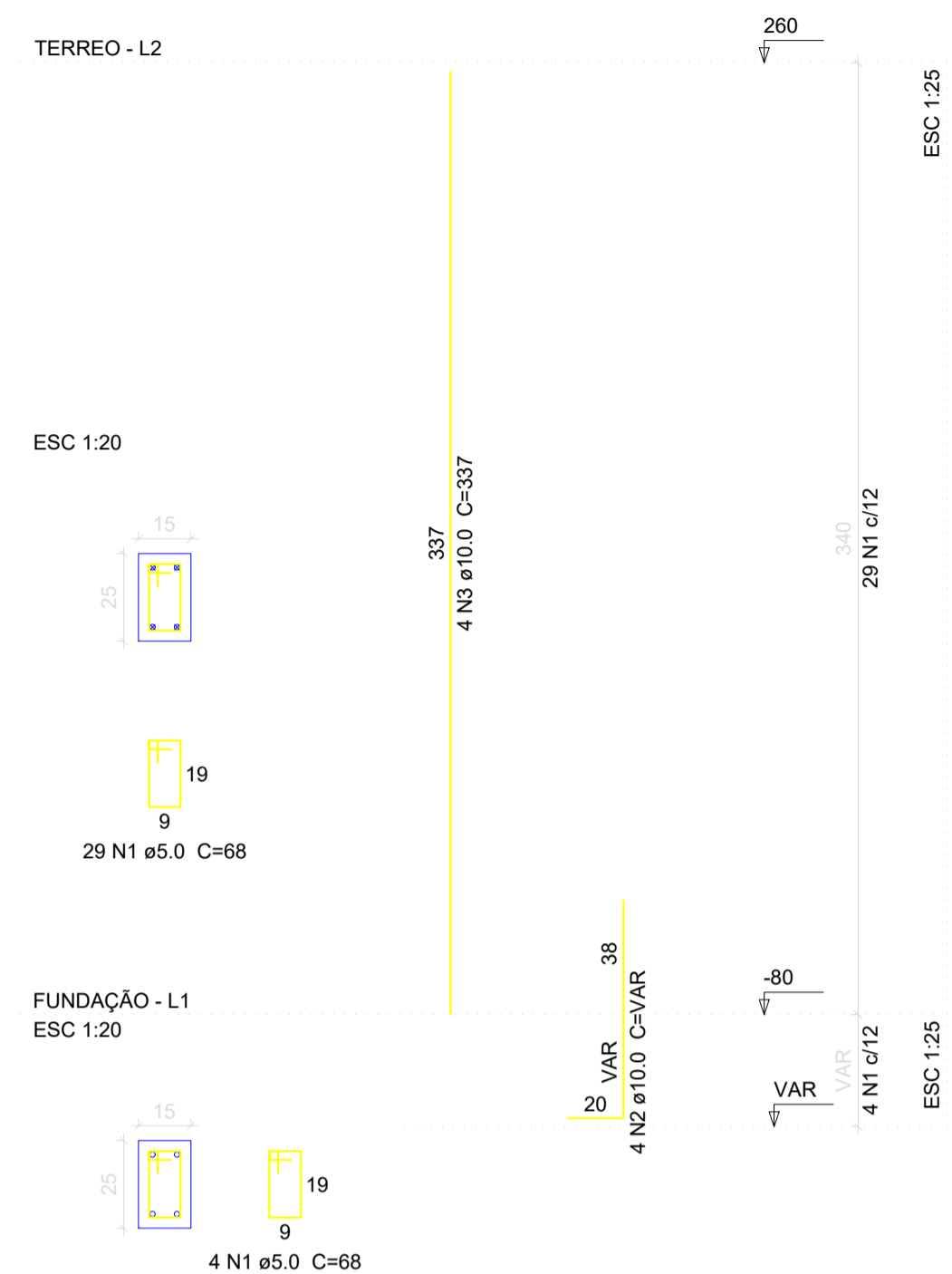
AÇO	N	DIAM	Q	UNIT	C.TOTAL
CA60	1	5.0	264	68	17952
CA50	2	10.0	32	VAR	VAR
	3	10.0	32	337	10784

Resumo do aço

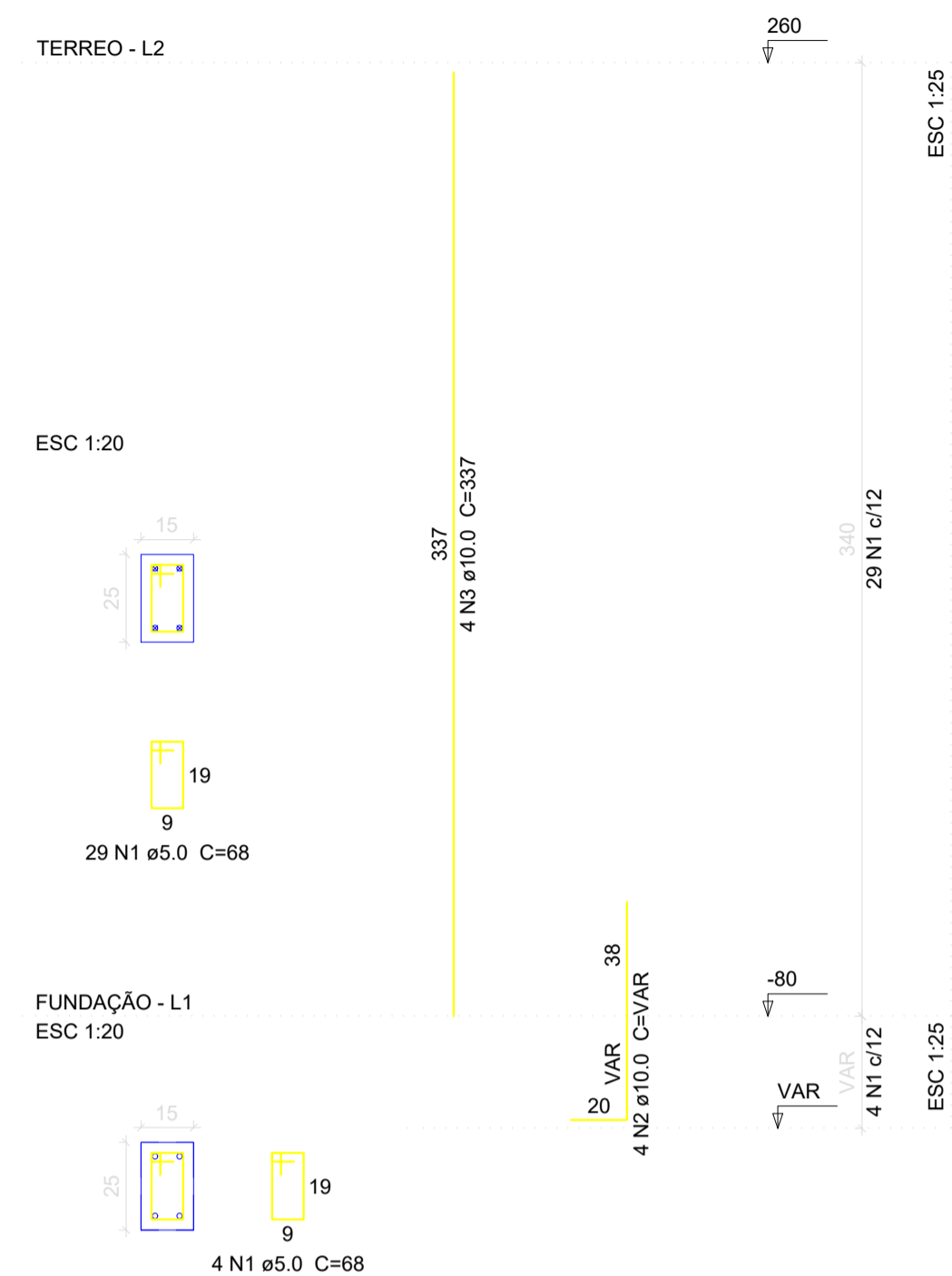
AÇO	DIAM	C.TOTAL	PESO + 10 %
CA50	10.0	138.6	94
CA60	5.0	179.6	30.4
PESO TOTAL			
CA50		94	
CA60		30.4	

Vol. de concreto total (C-25) = 1.14 m³
 Área de forma total = 24.32 m²

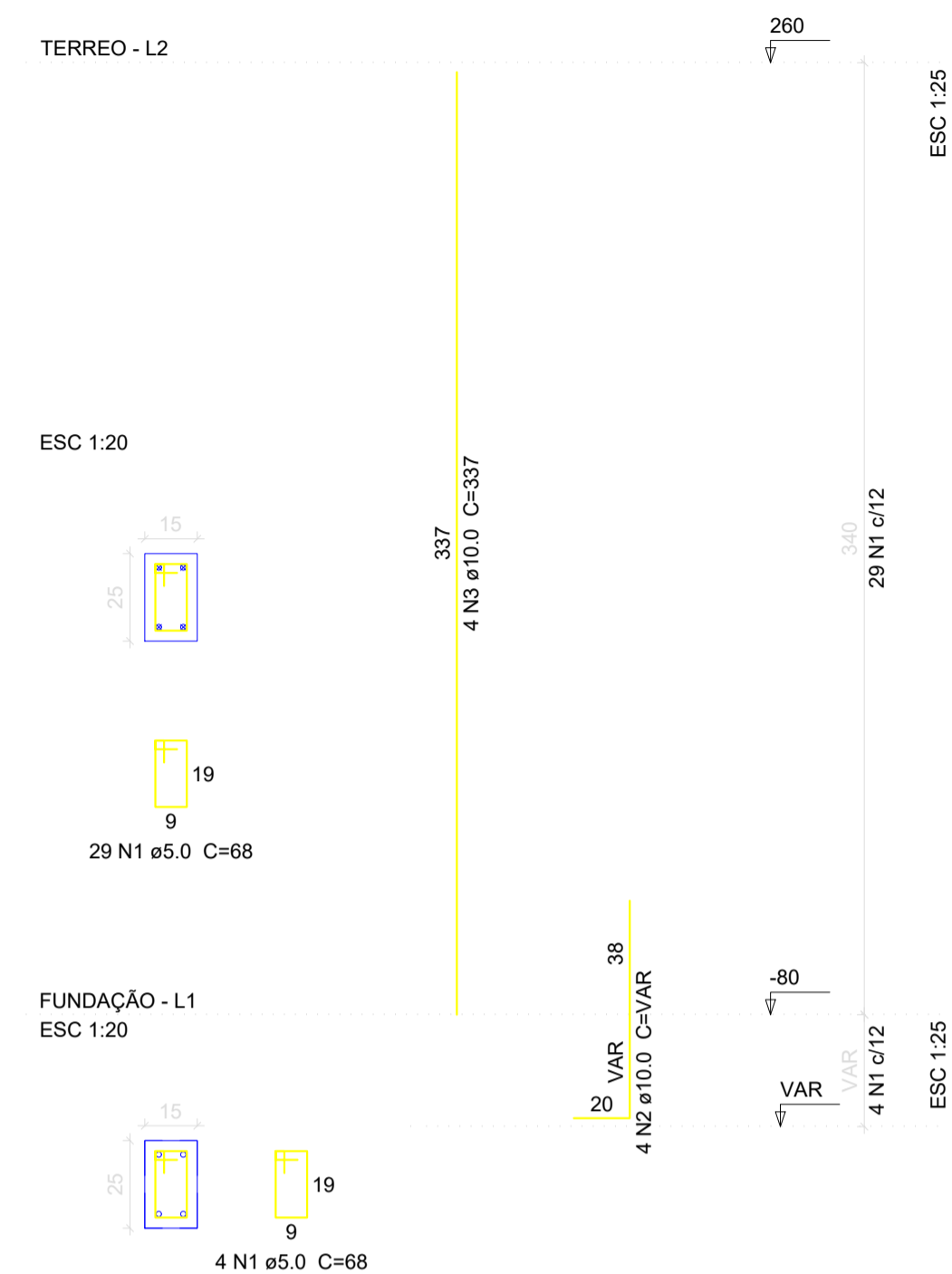
P9



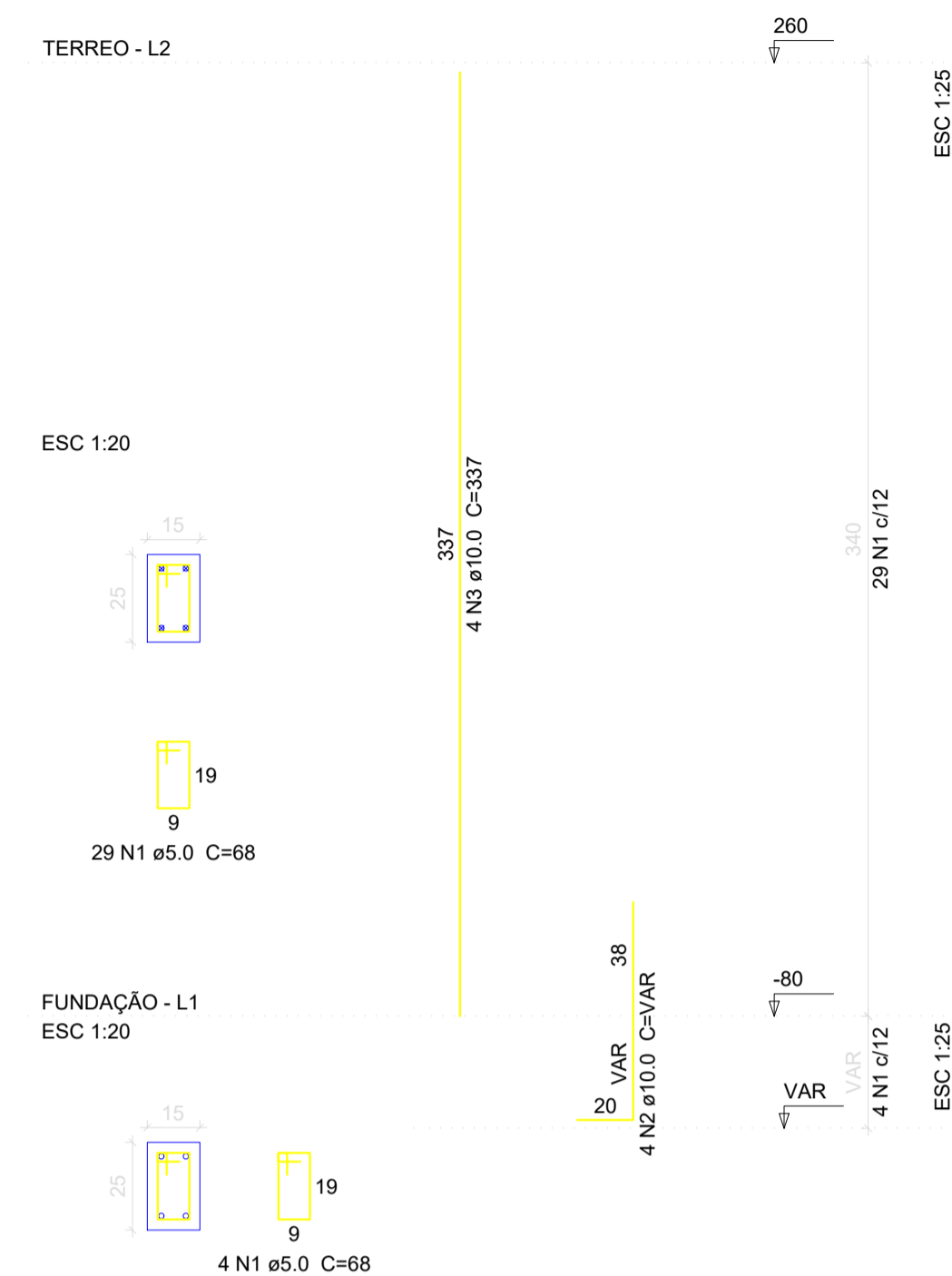
P10



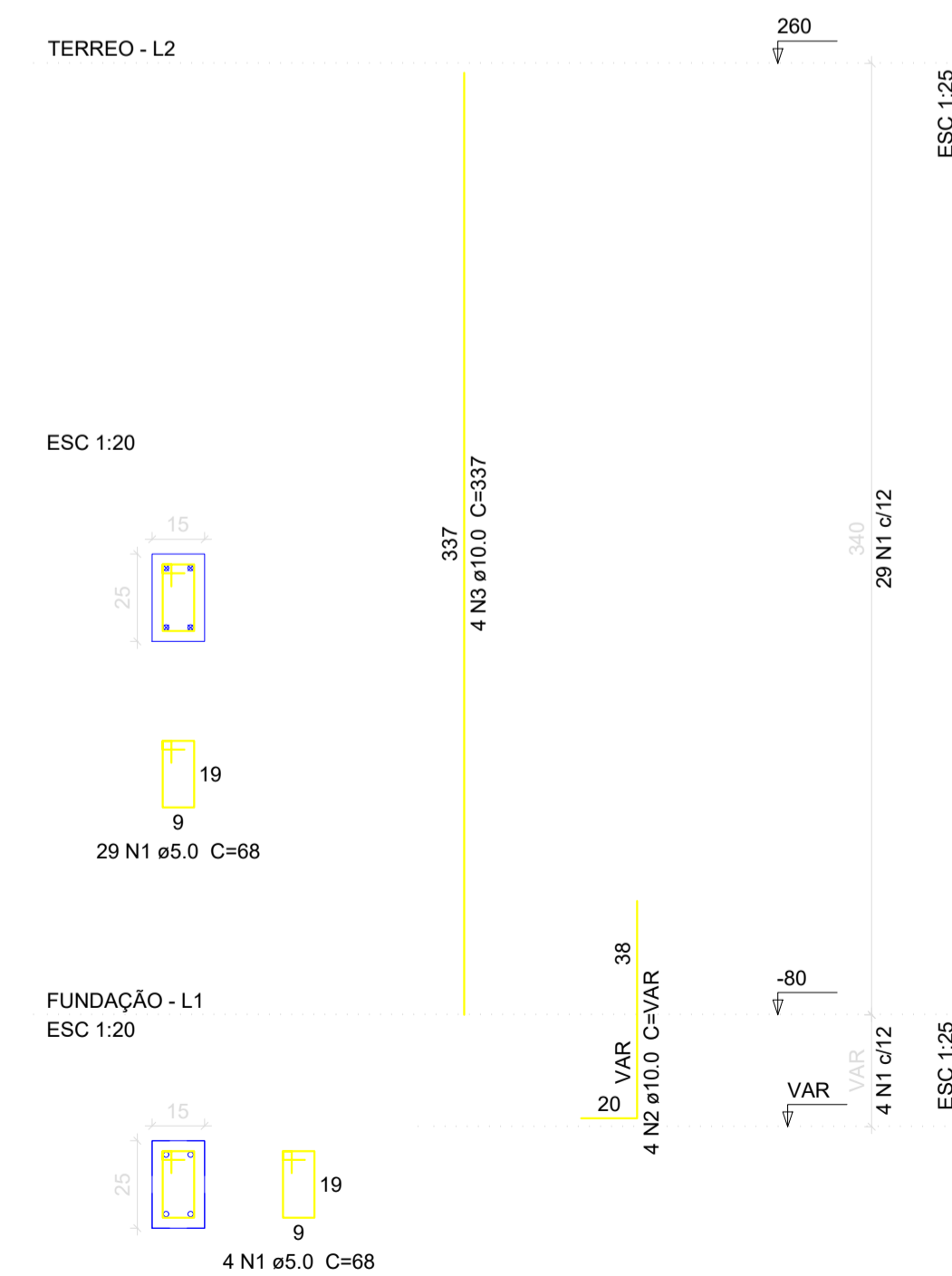
P11



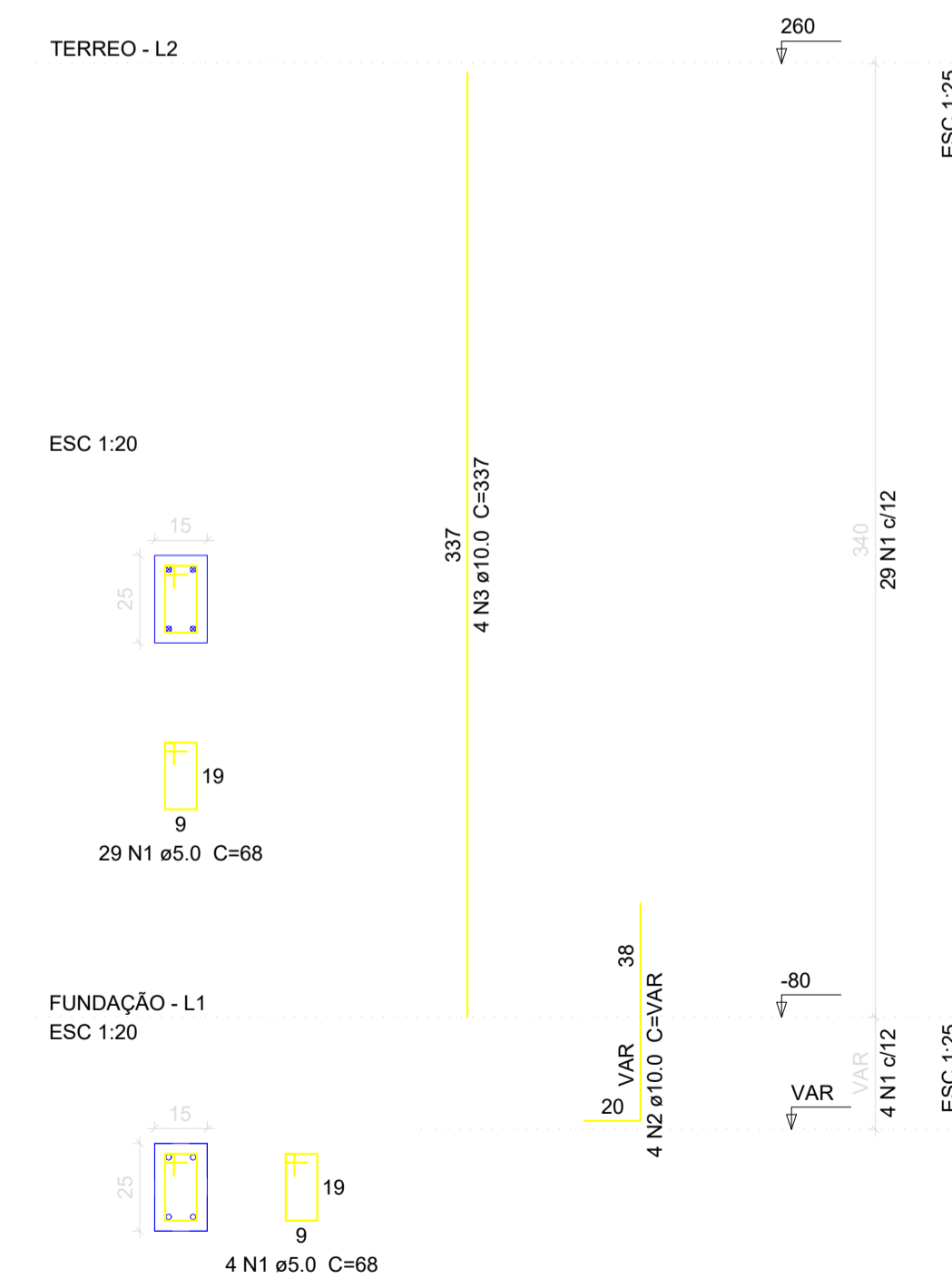
P12



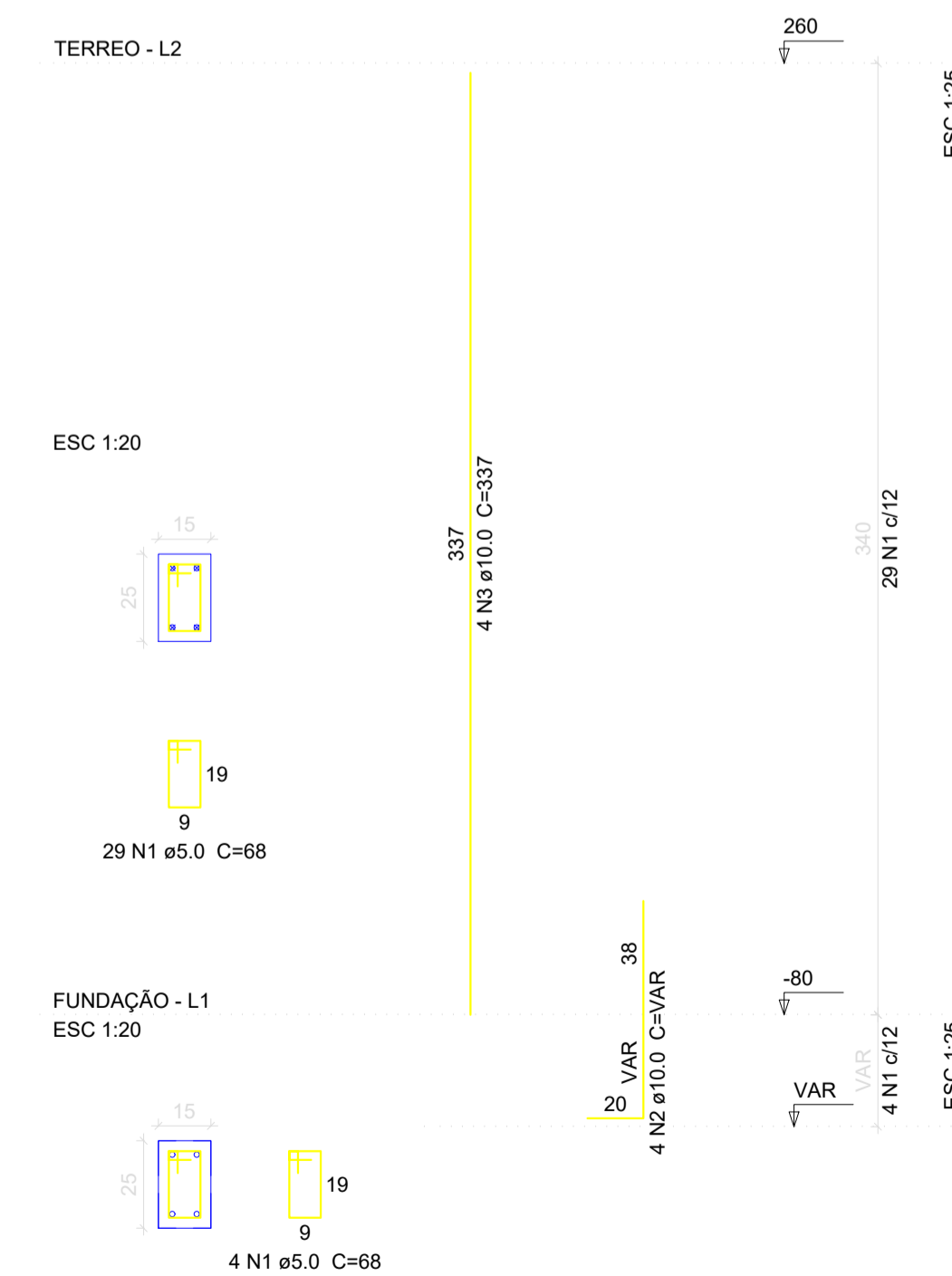
P13



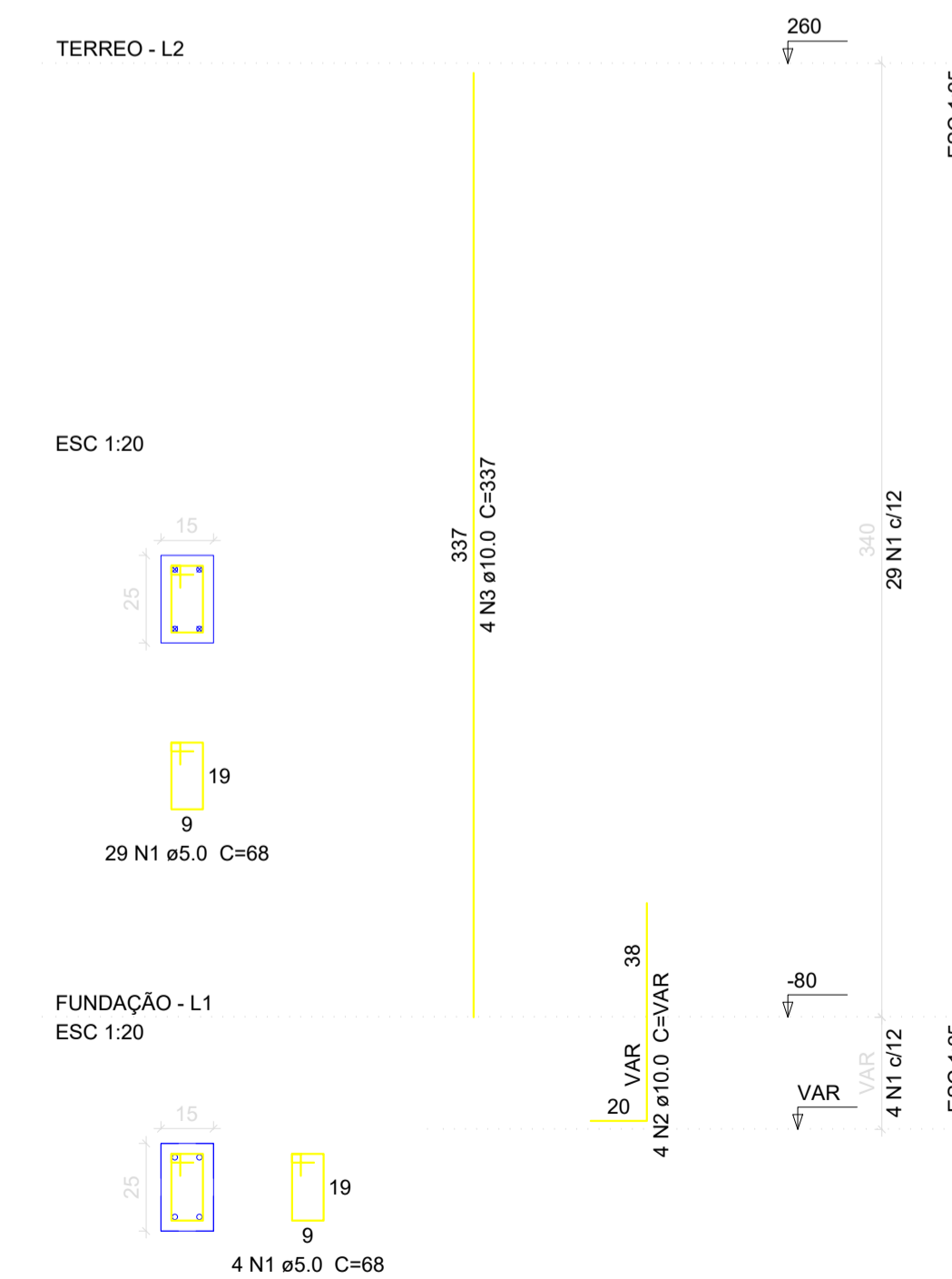
P14



P15



P16



	CLIENTE	UNIVERSIDADE ESTADUAL DE MATO GROSSO DO SUL	
	TÍTULO	Laboratório de Solos - Mundo Novo	
LOCAL	BR 163		
AUTOR DO PROJETO	MUNDO NOVO - MS		
RESPONSÁVEL TÉCNICO	PROPRIETÁRIO	UNIVERSIDADE ESTADUAL DE MATO GROSSO DO SUL CNPJ: 86.891.363/0001-80	
REFERÊNCIA	PILARES EM PRUMADA 2/4		FOUNDAÇÃO AP 07/18
ESCALA INDICADAS	UNIDADE: METRO	ARQUIVO: Estrutural Completo	DATA: 04/02/2025
	DESENHO: THIAGO	REVISÃO: RODR	VISTO: