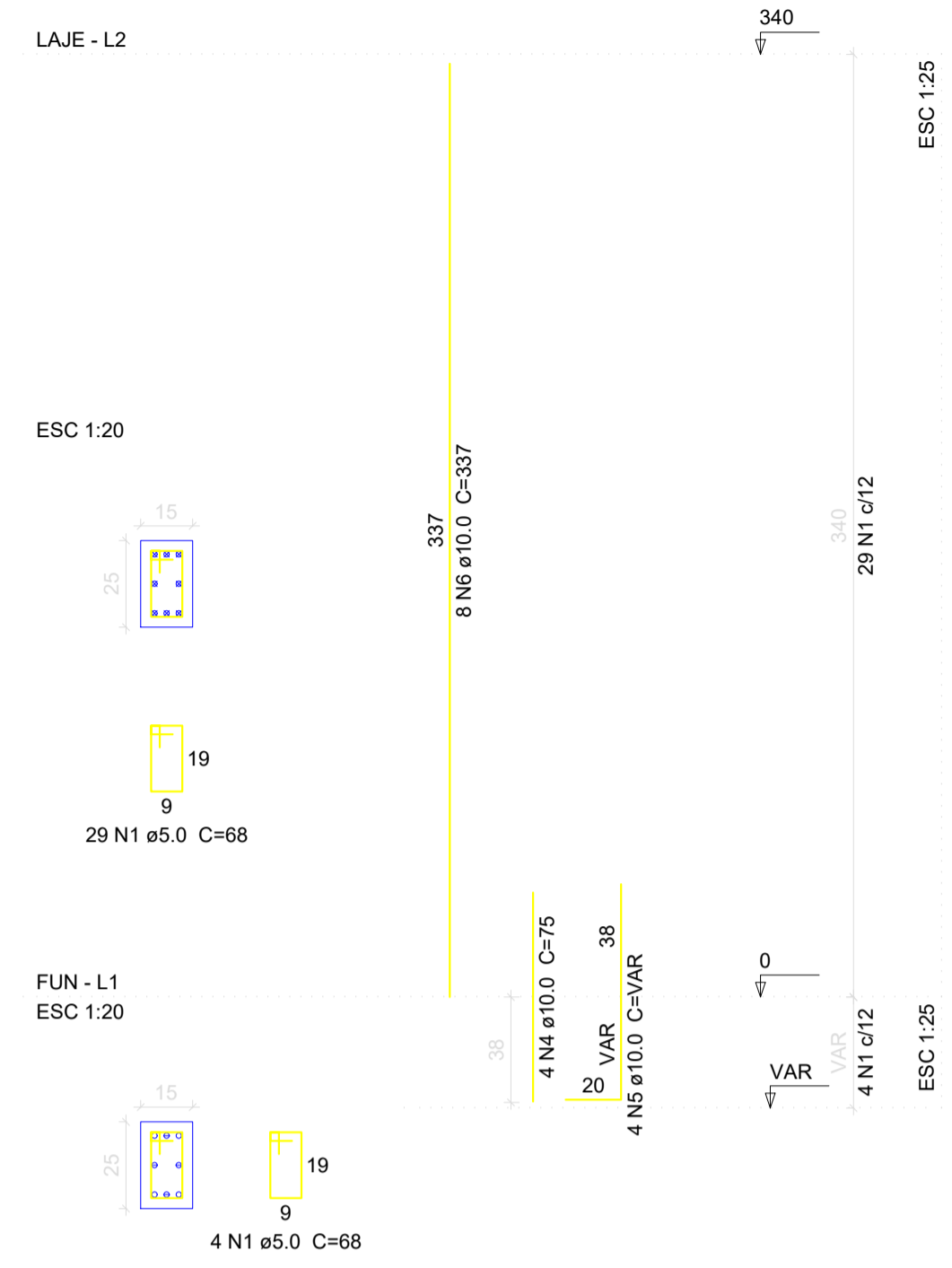
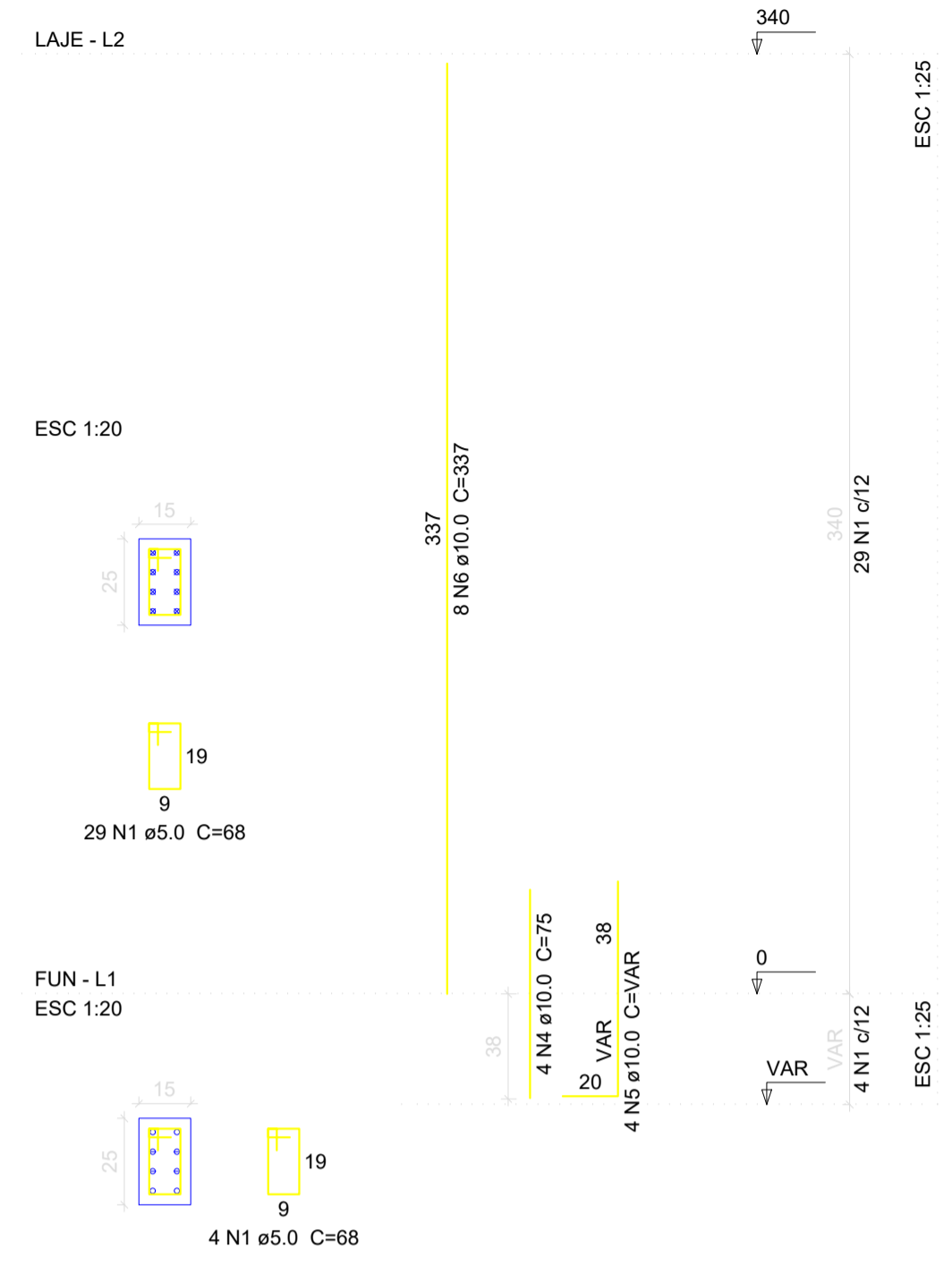


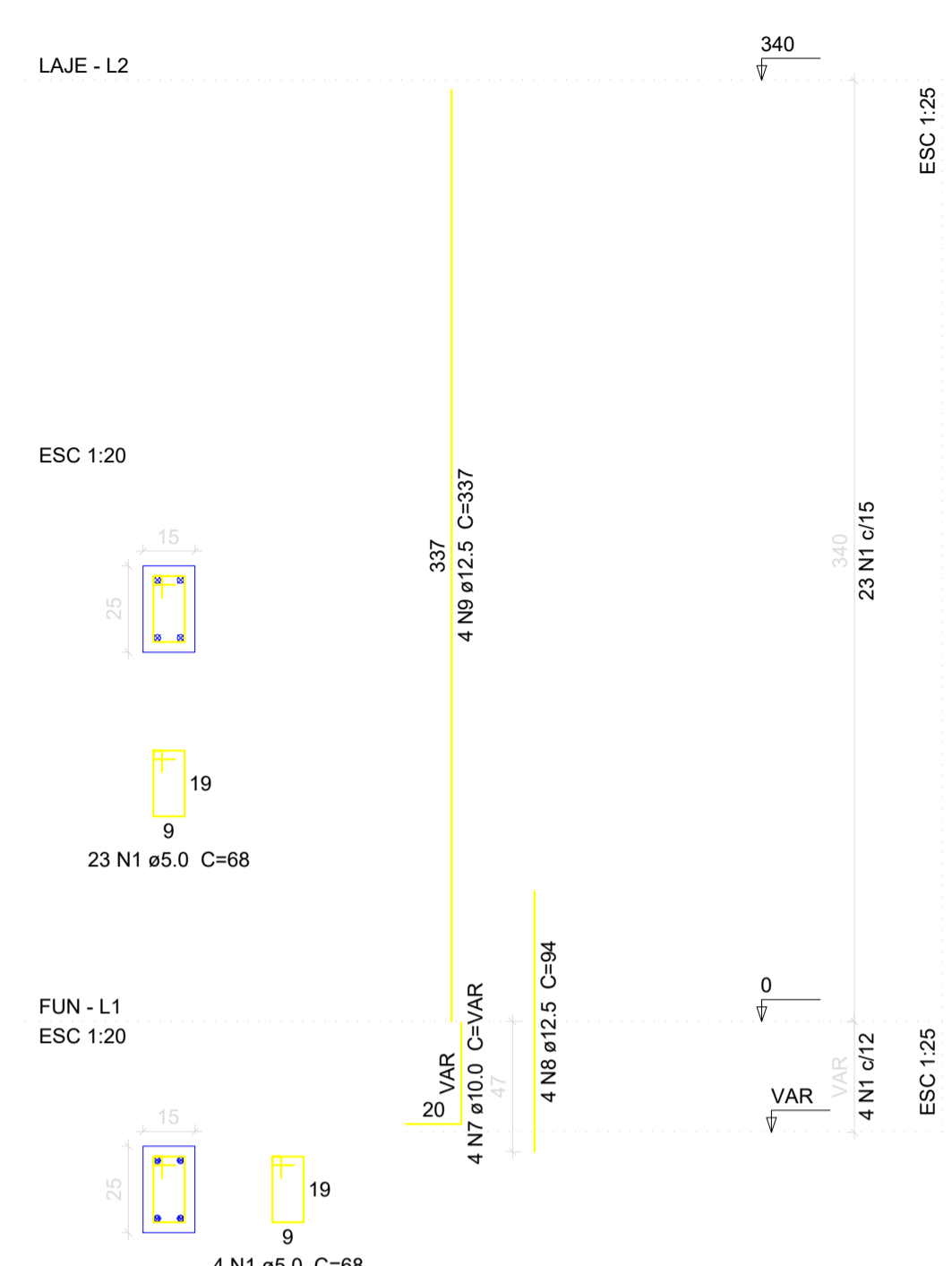
P1



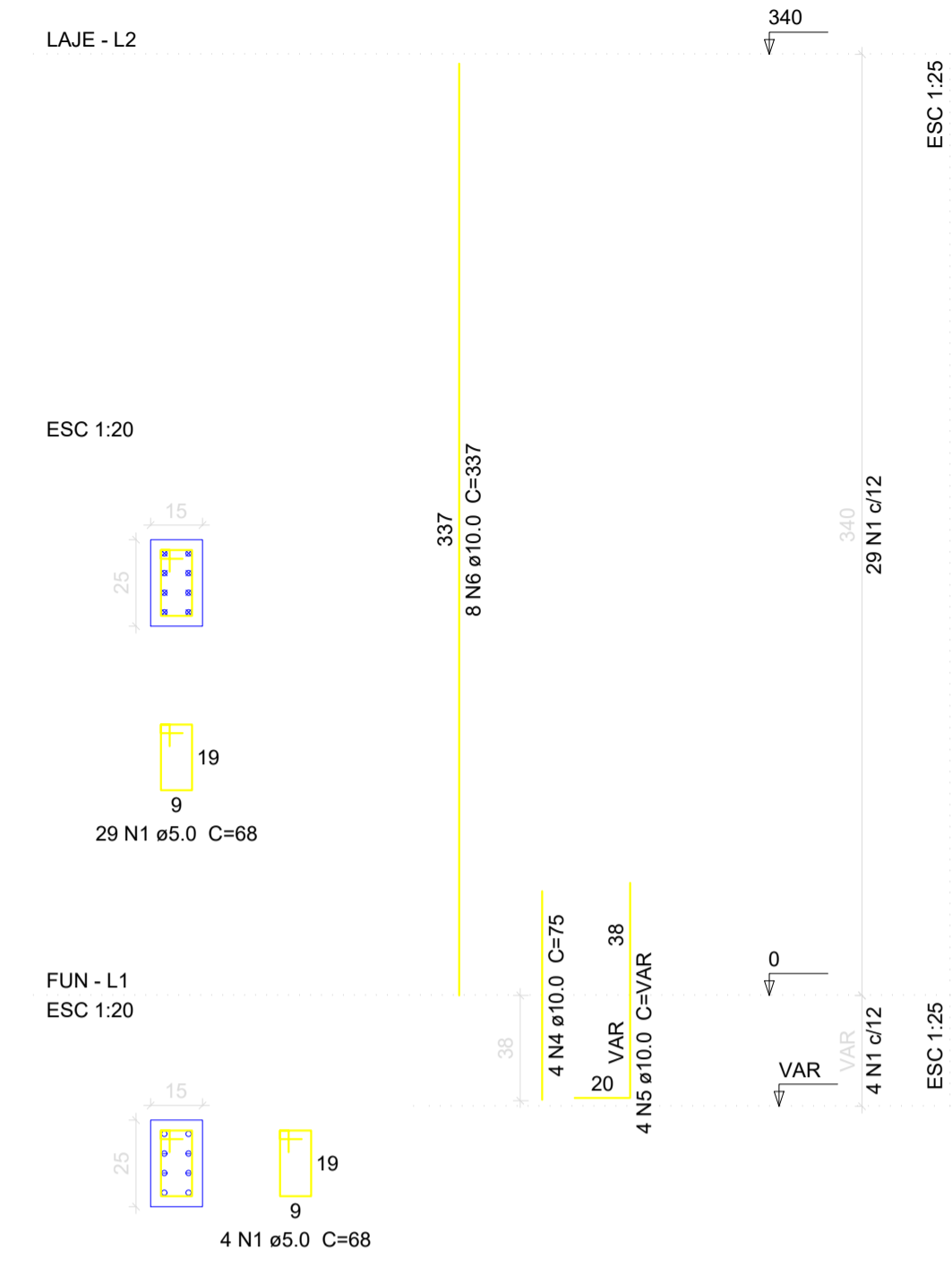
P2



P3



P4



Relação do aço

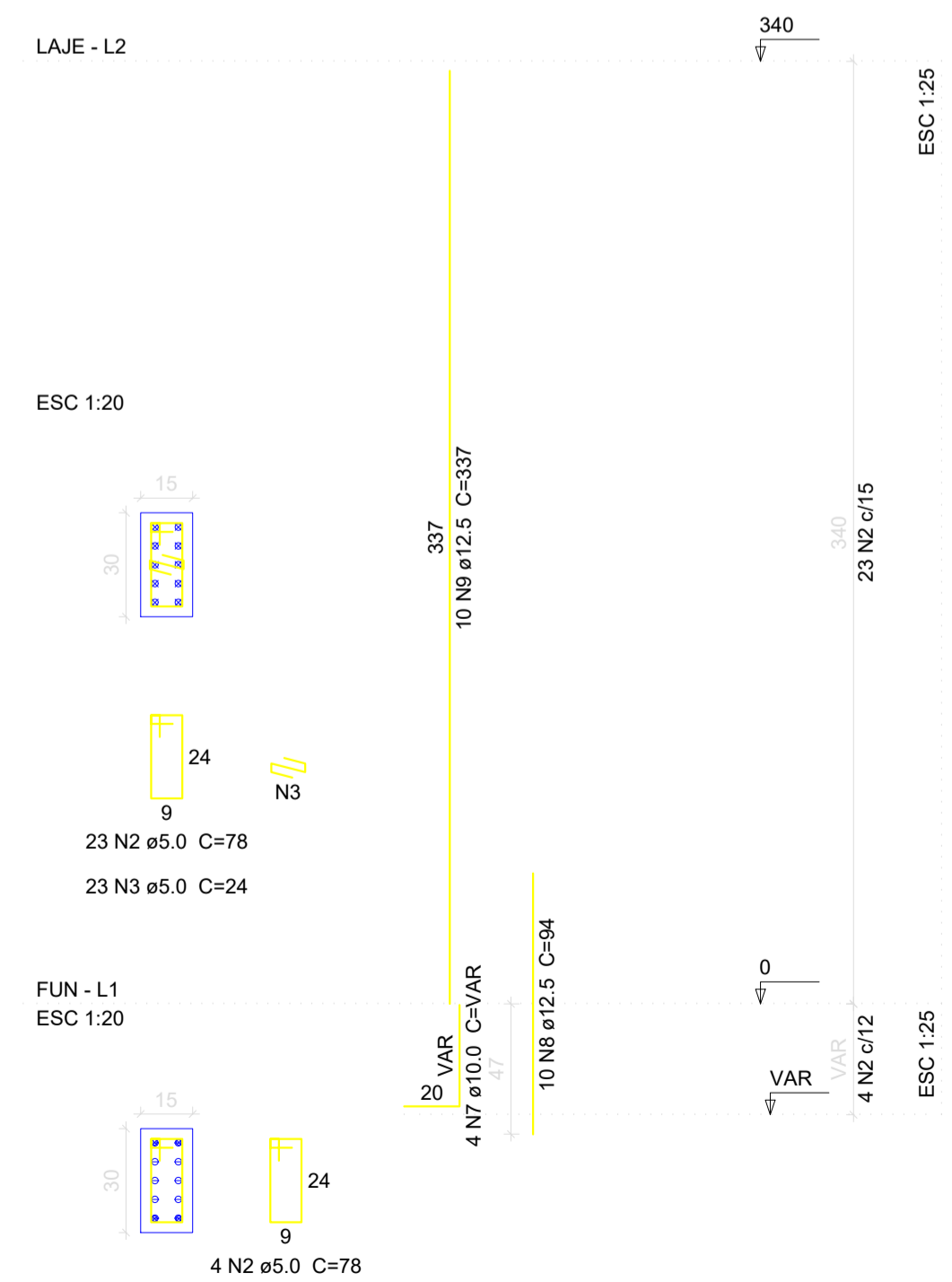
AÇO	N	DIAM	Q	C.TOTAL	
				UNIT (cm)	(cm)
CA60	1	5.0	225	68	15300
	2	5.0	27	78	2106
	3	5.0	23	24	552
CA50	4	10.0	16	75	1200
	5	10.0	24	VAR	VAR
	6	10.0	40	337	13480
	7	10.0	8	VAR	VAR
	8	12.5	14	94	1316
	9	12.5	14	337	4718

Resumo do aço

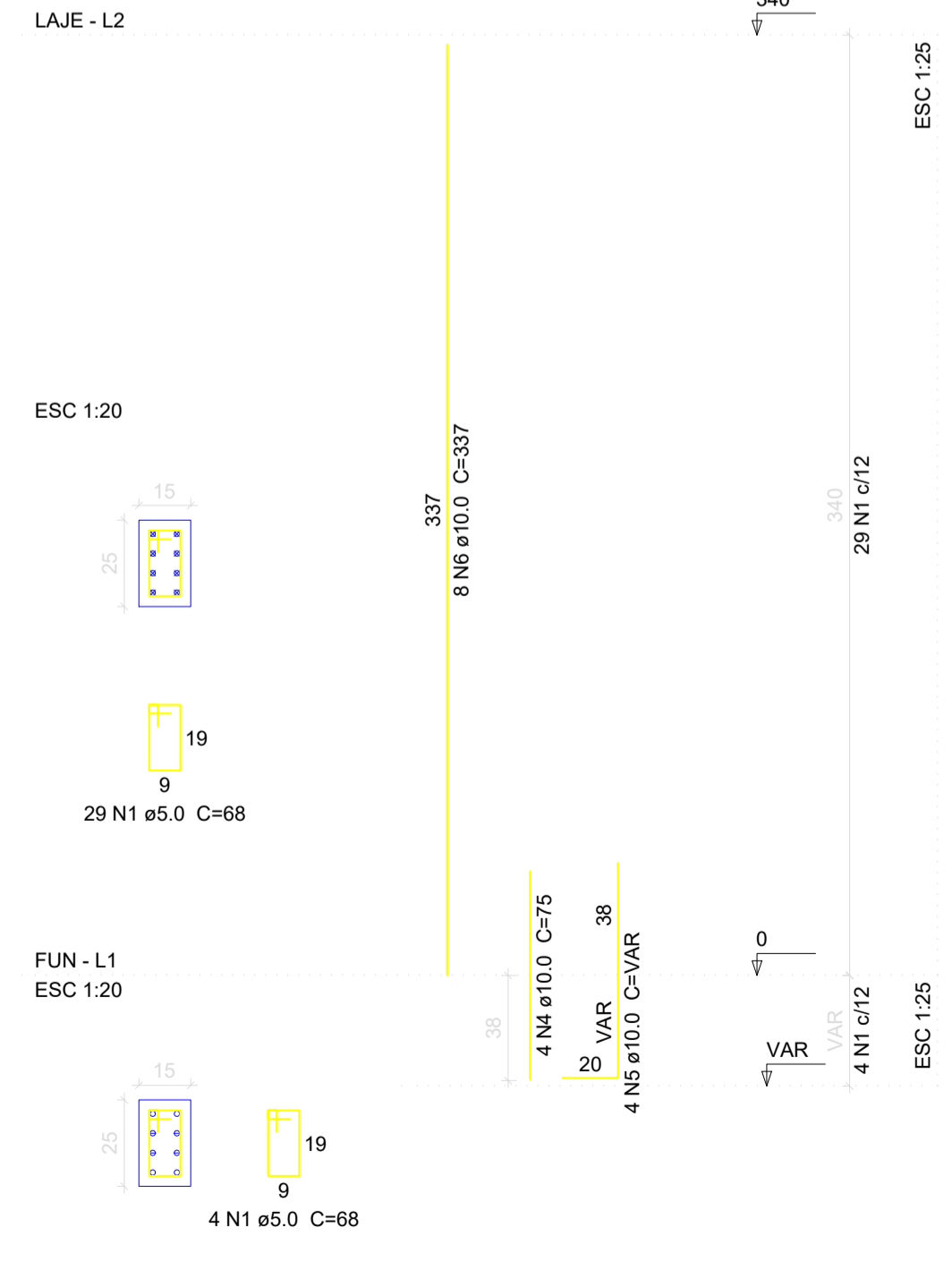
AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	174.3	118.2
CA60	5.0	60.4	63.9
PESO TOTAL			30.4
CA50	182.1		
CA60	30.4		

Vol. de concreto total (C-25) = 1.17 m³  
Área de forma total = 24.7 m²

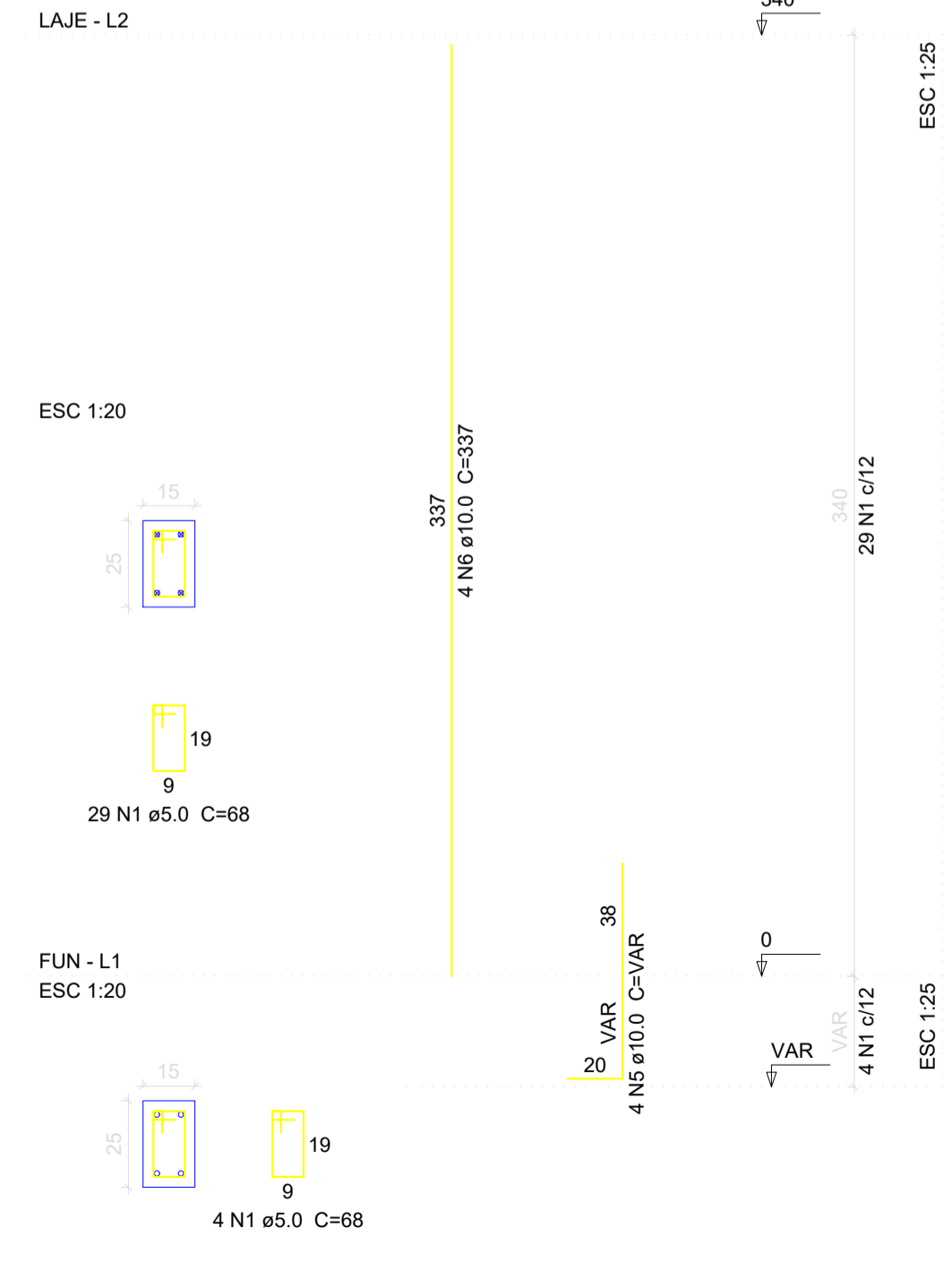
P5



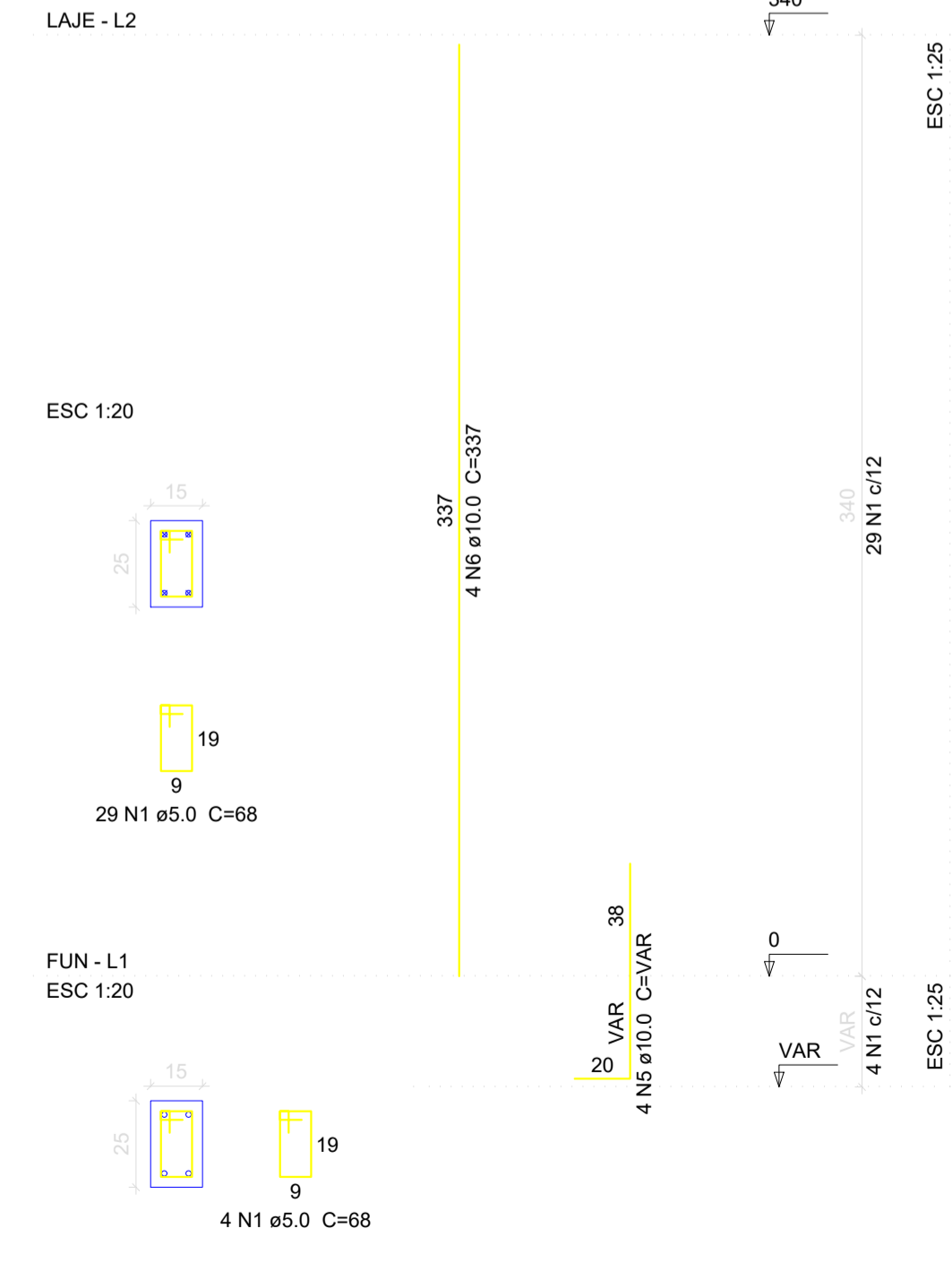
P6



P7



P8



	CLIENTE	UNIVERSIDADE ESTADUAL DE MATO GROSSO DO SUL	
	TÍTULO	Herbário - Mundo Novo	PROJETO
LOCAL		BR 163	
MUNDO NOVO - MS		ESTRUTURAL	
AUTOR DO PROJETO	PROPRIETÁRIO		
WAGNER LUIZ MANARA - CREA 27.190/D			
RESPONSÁVEL TÉCNICO	UNIVERSIDADE ESTADUAL DE MATO GROSSO DO SUL CNPJ: 86.891.363/0001-80		
REFERÊNCIA	PILARES 1/2		FOLHA Nº / AP
			ARQ-AP
			05/11
ESCALA	UNIDADE	ARQUIVO	DATA
INDICADAS	METRO	Estrutural Completo	04/02/2020
			DESENHO
			TIAGO
			REVISÃO
			ROD
			VISTO