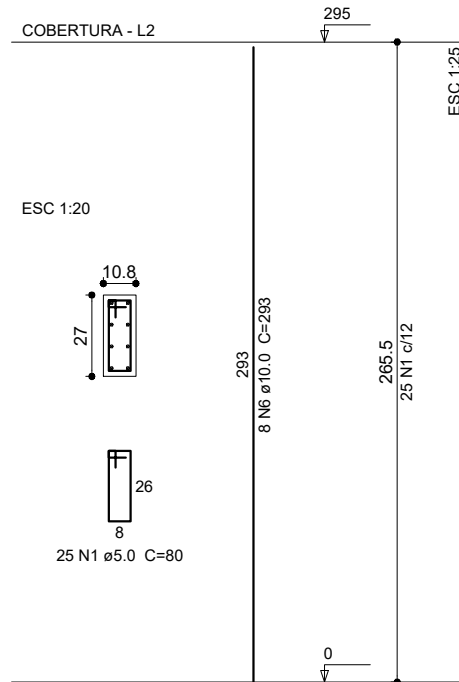
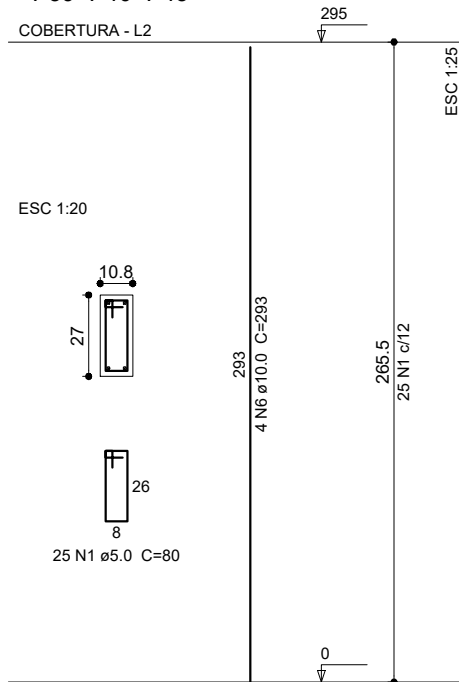
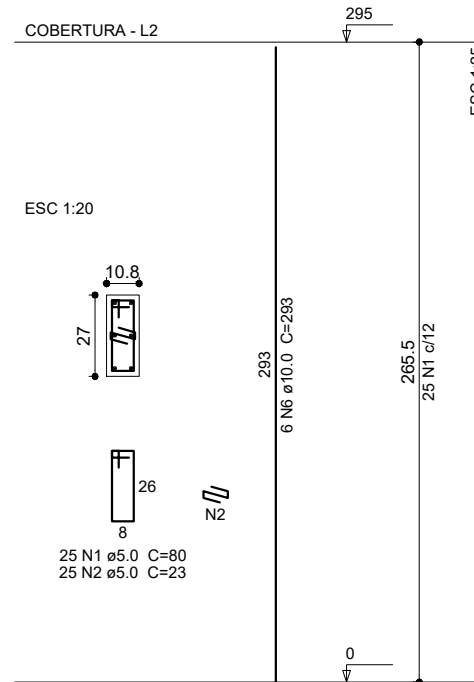


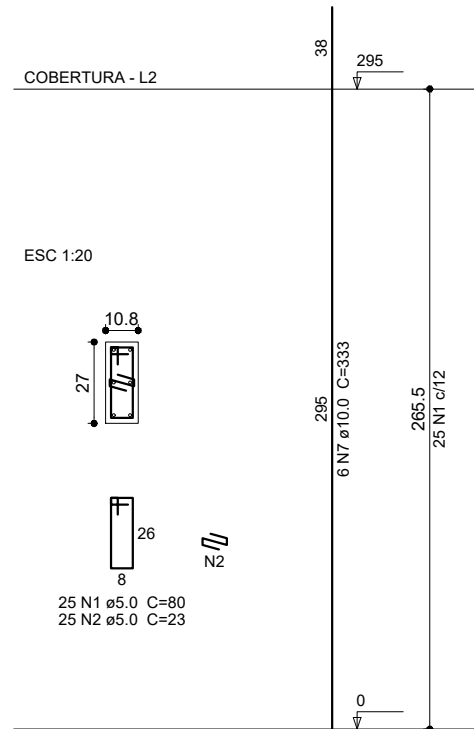
P1=P2=P3=P4=P5=P8=P9=P10=P11=P12=P13  
 =P15=P16=P17=P18=P19=P20=P22=P23=P24  
 =P25=P26=P27=P28=P31=P32=P35=P37=P38  
 =P39=P40=P43



P21=P36



P29=P30



Relação do aço

32xP1 2xP6 P13  
 2xP21 2xP29 2xP33  
 2xP41

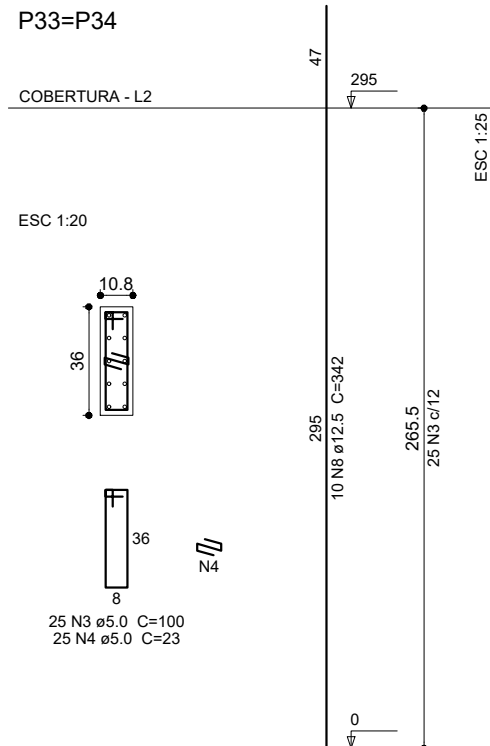
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	975	80	78000
	2	5.0	100	23	2300
	3	5.0	50	100	5000
	4	5.0	50	23	1150
	5	5.0	50	76	3800
CA50	6	10.0	156	293	45708
	7	10.0	20	333	6660
	8	12.5	20	342	6840

Resumo do aço

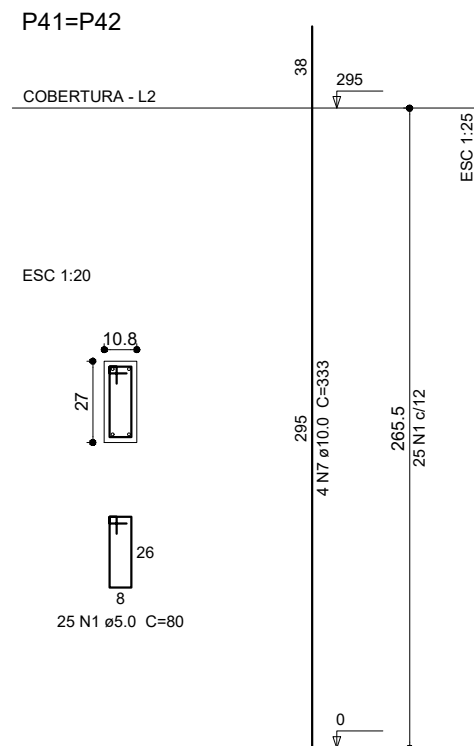
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	523.7	355.2
	12.5	68.4	72.5
CA60	5.0	902.5	153
PESO TOTAL (kg)			
CA50		427.6	
CA60		153	

Volume de concreto (C-25) = 4.66 m³  
 Área de forma = 107.5 m²

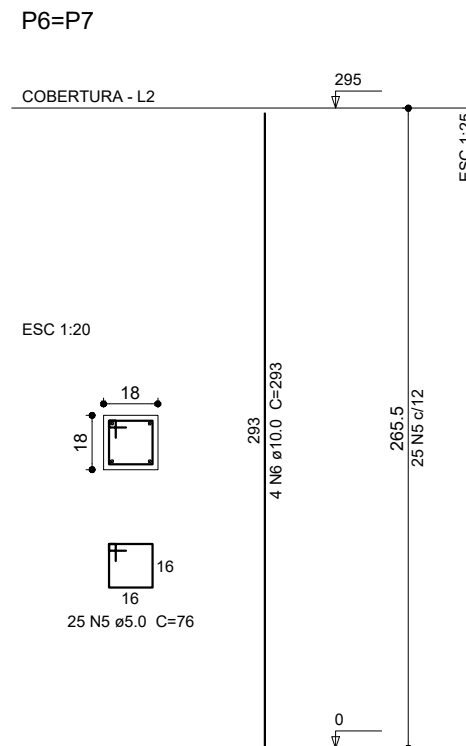
P33=P34



P41=P42



P6=P7



PREFEITURA MUNICIPAL DE SÃO JOAQUIM

PROJETO ESTRUTURAL

UNIDADE BÁSICA DE SAÚDE - UBS  
 RUA FRANCISCO ASSIS MARTINS DUTRA, SANTA PAULINA

EQUIPE TÉCNICA:

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 ENG. CIVIL: ISMAEL SILVA PEREIRA - CREA-SC 178954-1  
 ENG. CIVIL: MALRO BILL SILVA BARBOSA - CREA-SC 183130-1  
 ENG. CIVIL: GUSTAVO DA SILVA - CREA-SC 206543-8  
 TÊC. EM GEOMENSURA: CLEBER O. C. MEDEIROS - CFT 2500652297