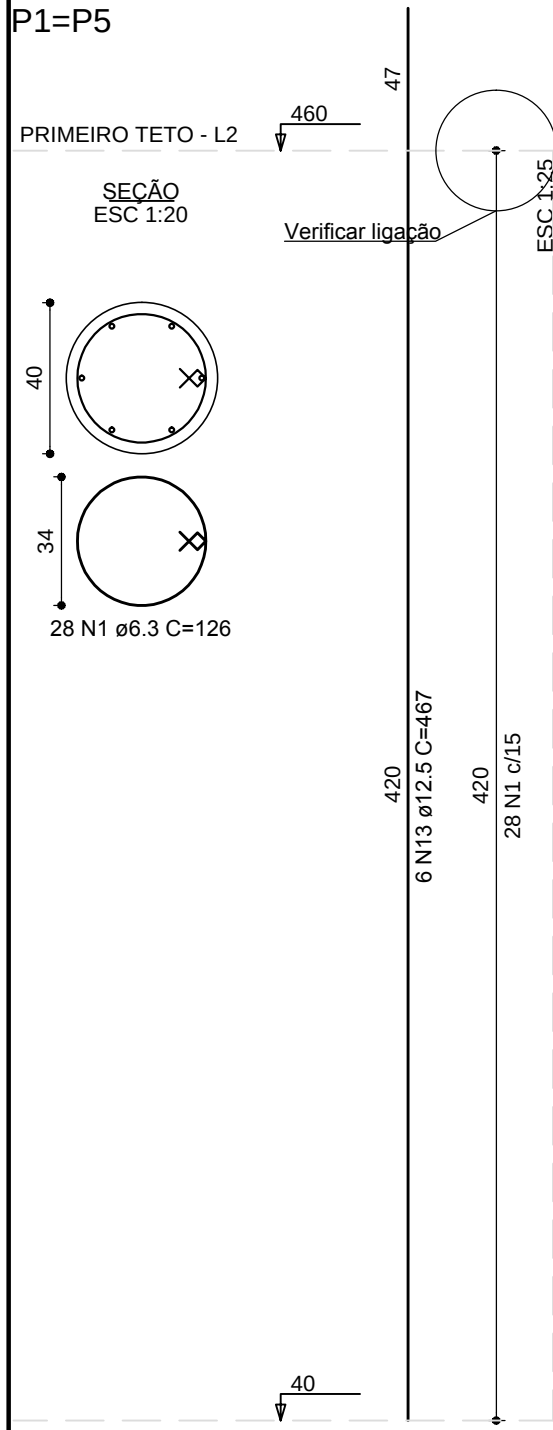
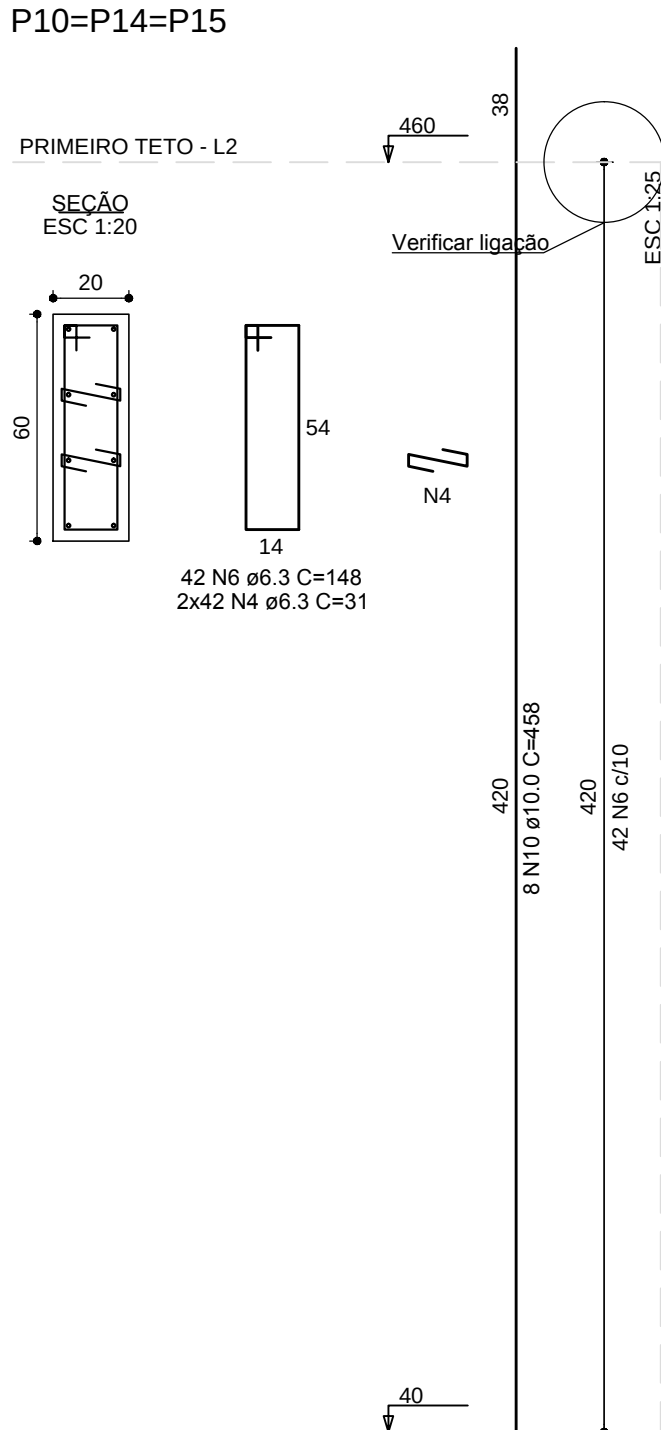


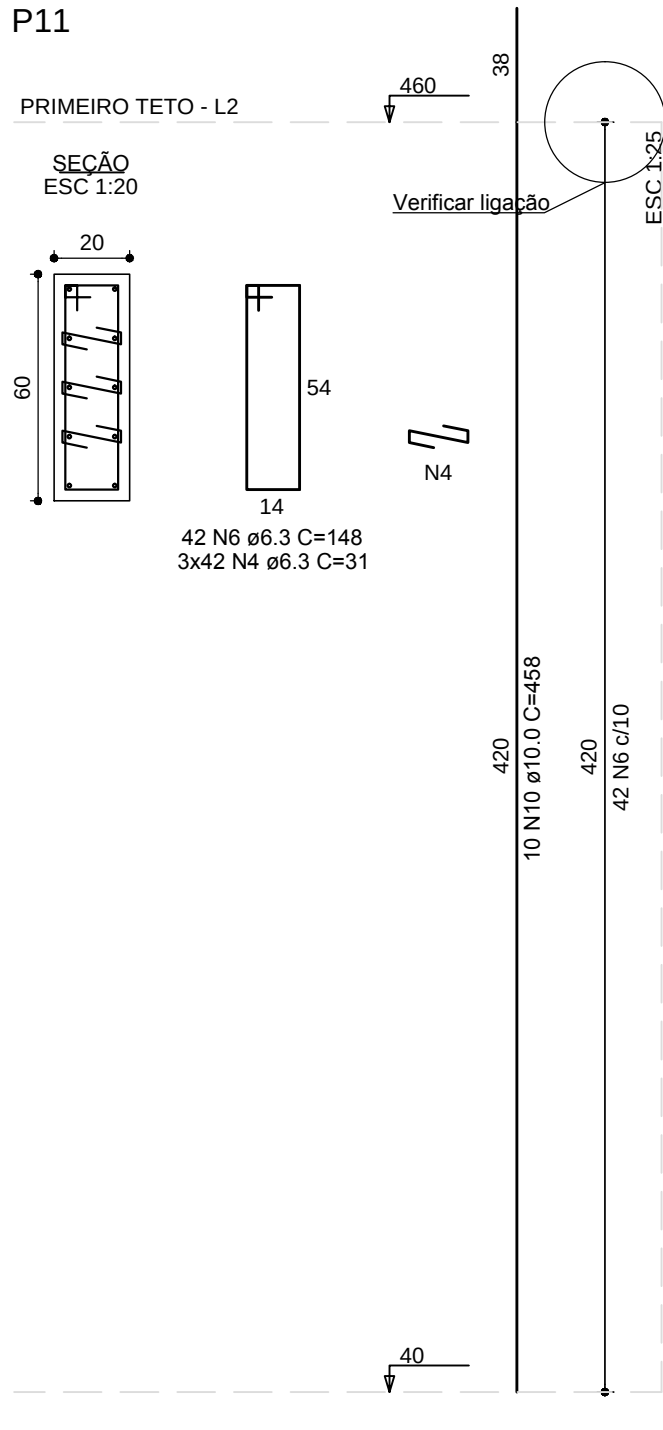
P1=P5



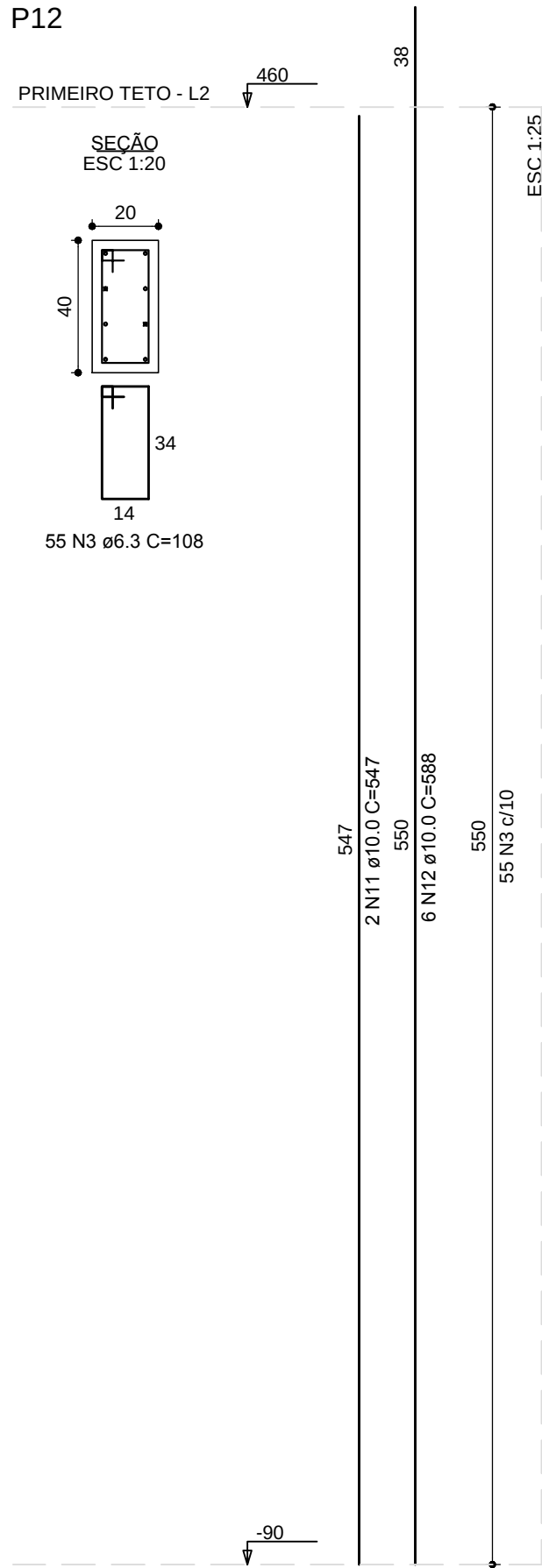
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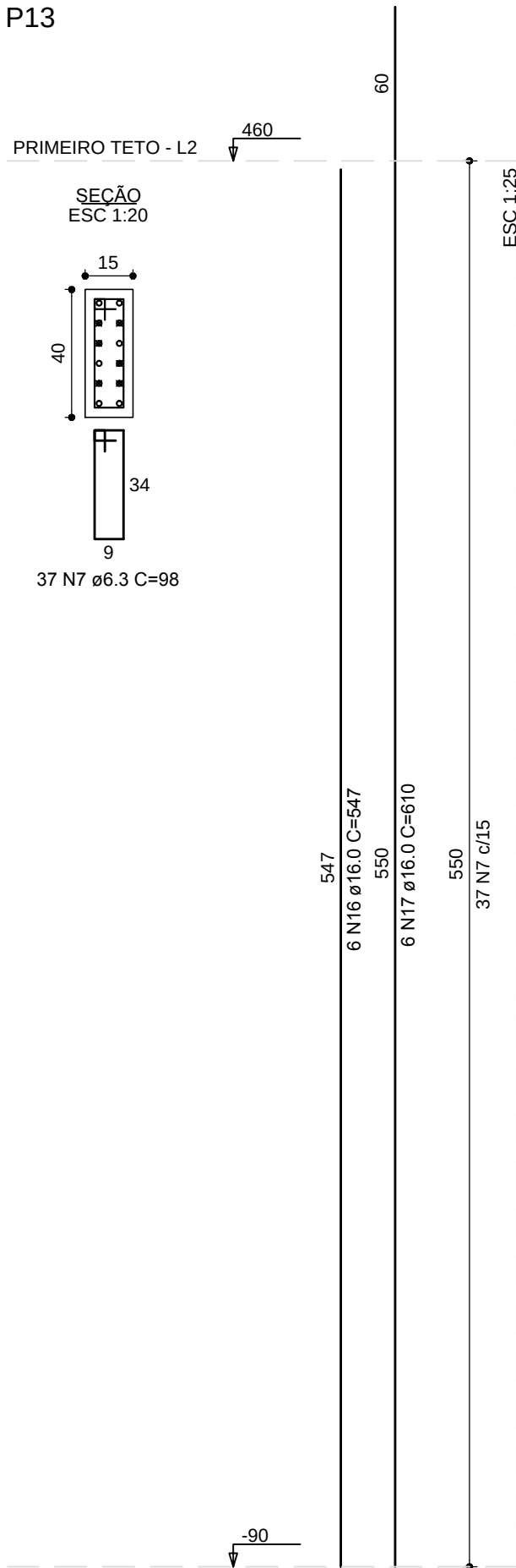
P11



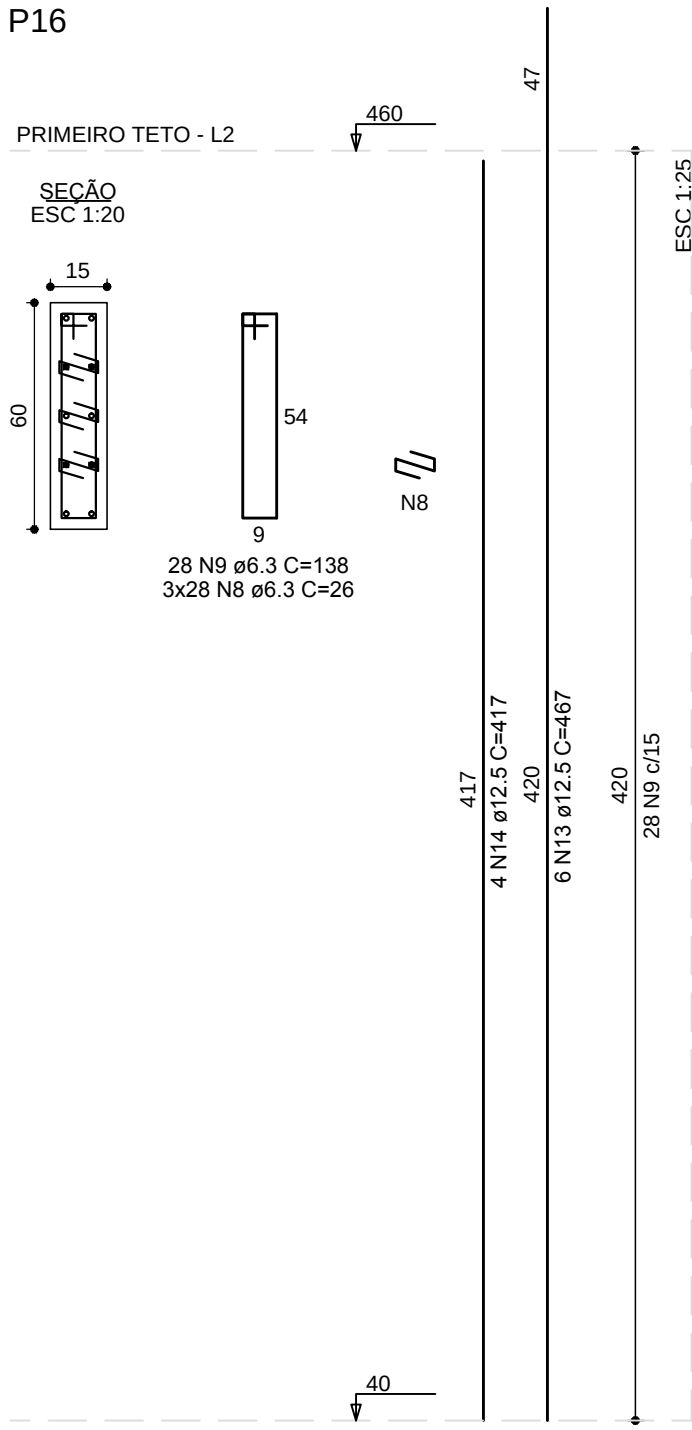
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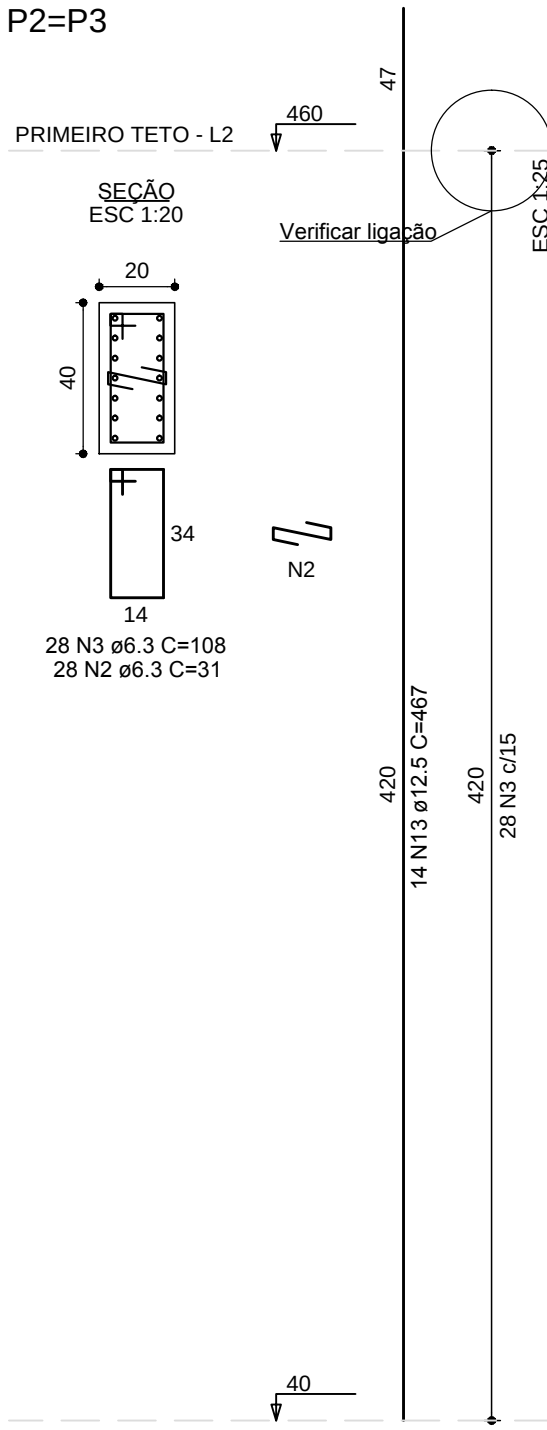
P13



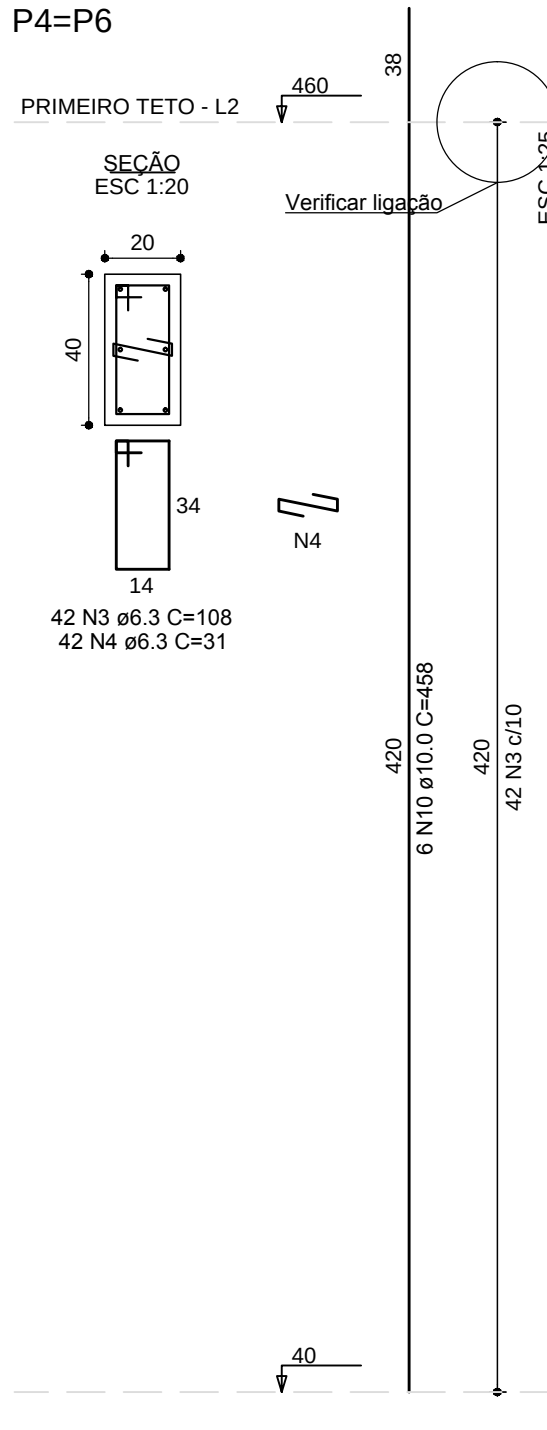
P16



P2=P3



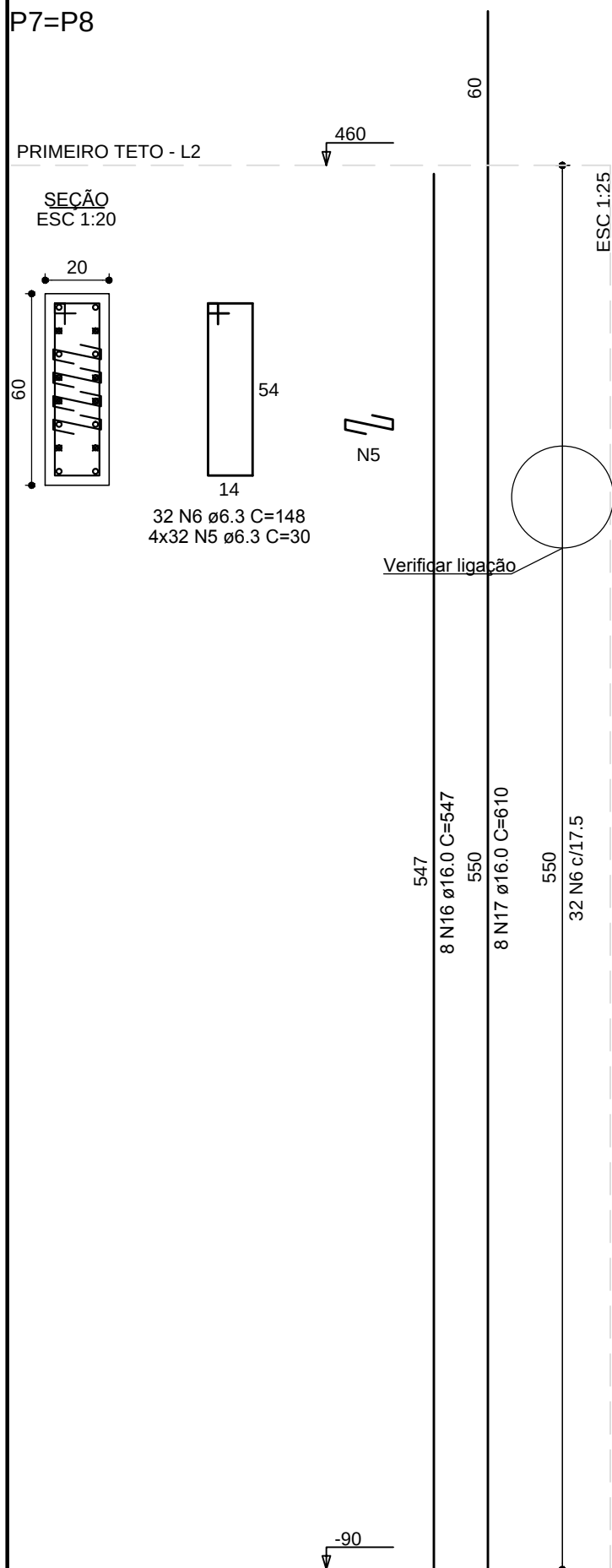
P4=P6



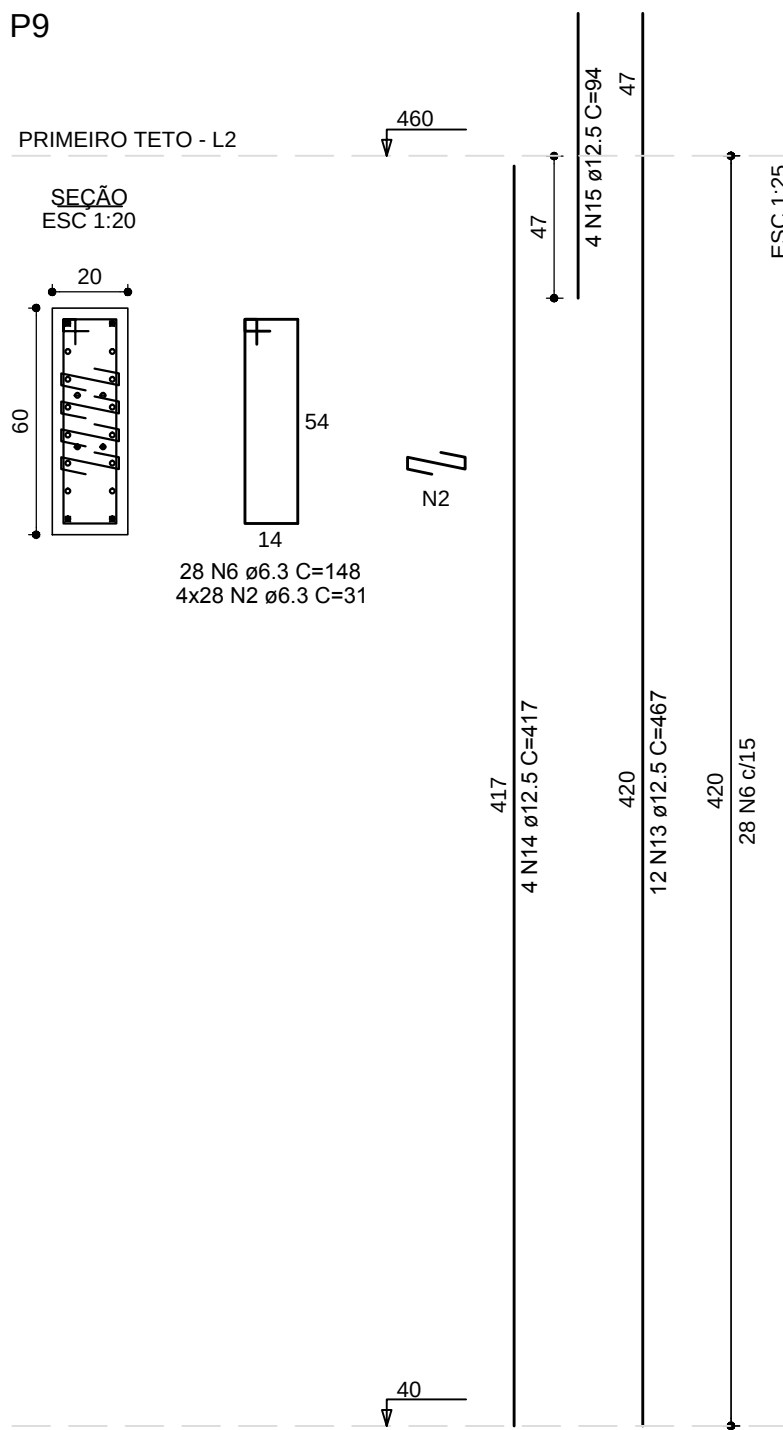
RELAÇÃO DO AÇO					
2xP1 2xP7 P11 P16	2xP2 P9 P12	2xP4 3xP10 P13			
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	56	126	7056
	2	6.3	168	31	5208
	3	6.3	195	108	21060
	4	6.3	462	31	14322
	5	6.3	256	30	7680
	6	6.3	260	148	38480
	7	6.3	37	98	3626
	8	6.3	84	26	2184
	9	6.3	28	138	3864
	10	10.0	46	458	21068
	11	10.0	2	547	1094
	12	10.0	6	588	3528
	13	12.5	58	467	27086
	14	12.5	8	417	3336
	15	12.5	4	94	376
	16	16.0	22	547	12034
	17	16.0	22	610	13420

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	1034.8	278.5
	10.0	256.9	174.2
	12.5	308	326.4
	16.0	254.5	441.9
PESO TOTAL (kg)			
CA50	1221.1		
Volume de concreto (C-25) = 7.39 m³			
Área de forma = 100.87 m²			

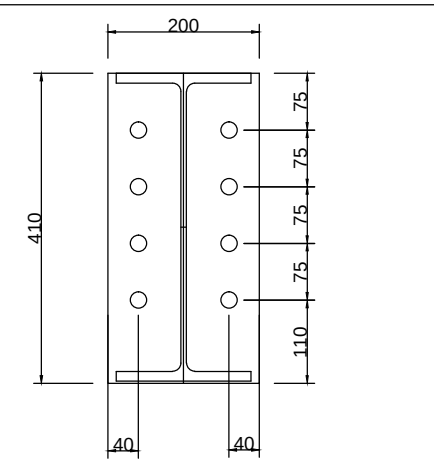
P7=P8



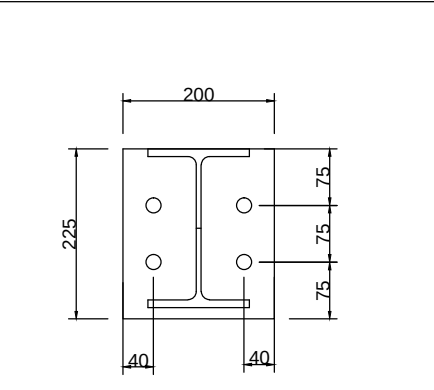
P9



Ligação viga / concreto



VIGAS W410
Ch 6.3 mm
8 PARABOLTS DE 20 mm
8 FUROS DE 22 mm
SOLDA VIGA/CHAPA E70XX



VIGAS W200
Ch 6.3 mm
4 PARABOLTS DE 16 mm
4 FUROS DE 20 mm
SOLDA VIGA/CHAPA E70XX

ESCRITÓRIO RESPONSÁVEL:



http://bcconsultores.com.br

0	EMIÇÃO INICIAL		11/01/2019		CANARIM	DANILO	DANILO
REV.	DESCRIÇÃO		DATA		EXEC.	VERIF.	APROV.
 <div>PREFEITURA SAQUAREMA</div> <div>TRABALHO E RESPEITO</div>			APROVADO				
			SECRETARIO DE OBRAS E URBANISMO				
			SECRETARIA DE OBRAS E URBANISMO				
			TÍTULO				
			POUPA TEMPO				
PROJETO ESTRUTURAL - ARMAÇÃO PILARES 1º TETO			ARG. ELETRÔNICO				
LOCAL	POUPA TEMPO AV. SAQUAREMA - SAQUAREMA				DE-503.18-EST-001 A 023-0.DWG		
PROJETO			Nº				
			DE-503.18-EST-013=0				
			ESCALA	DATA	PRANCHA		
			1/50	JAN/2019	13/23		
SERGIO BRUNO FARINHA CANARIM 23979/D							