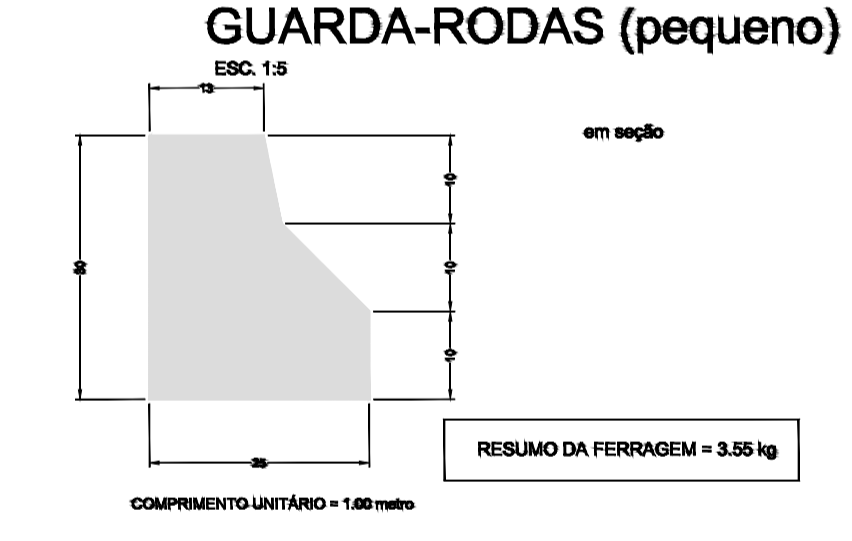
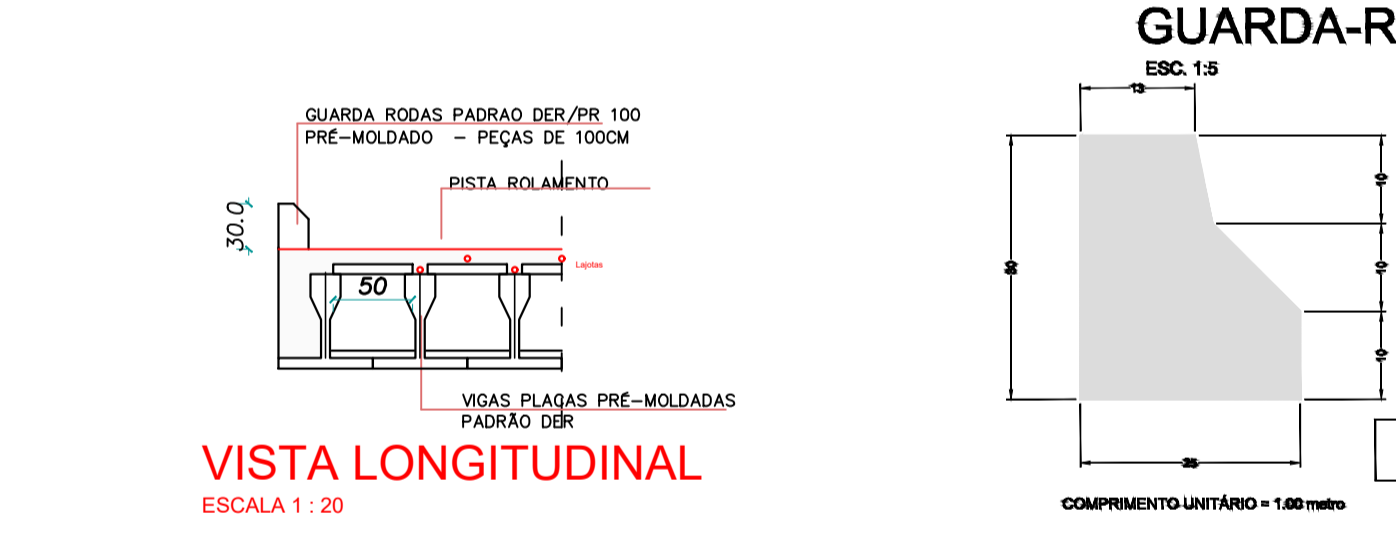
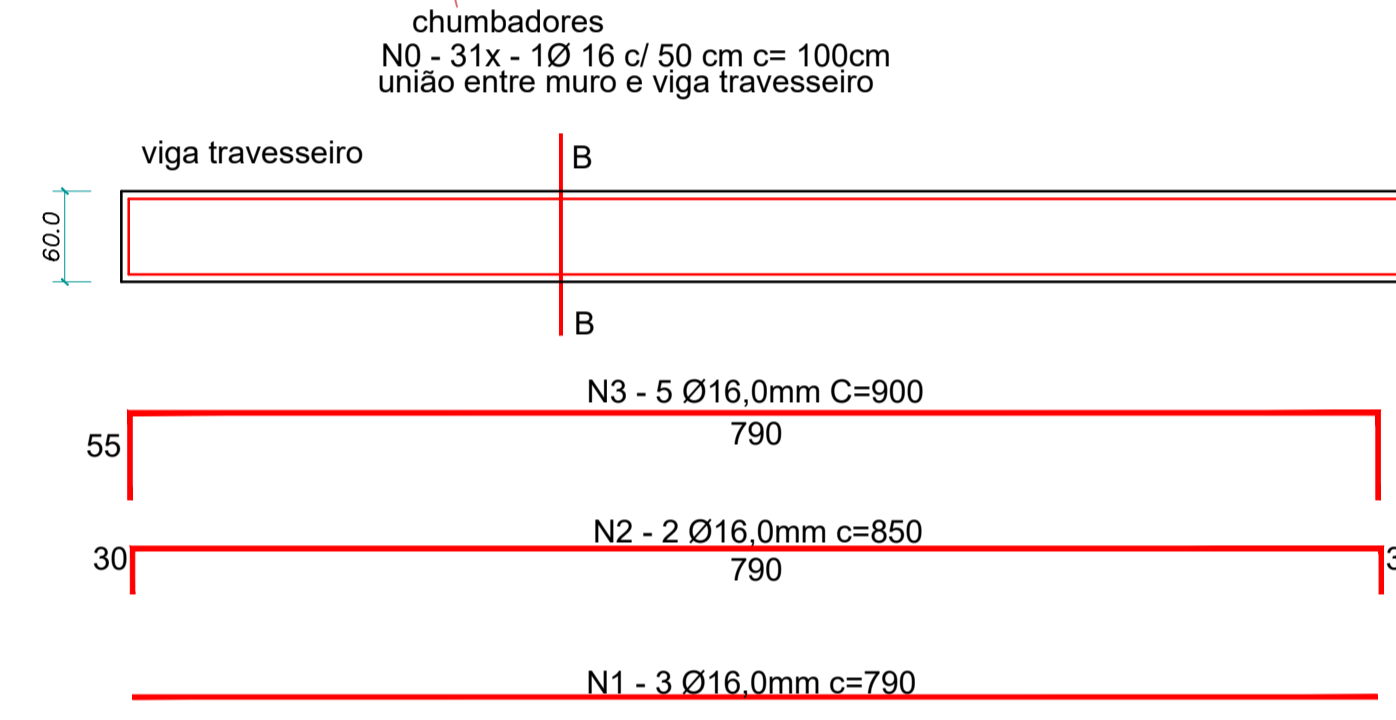
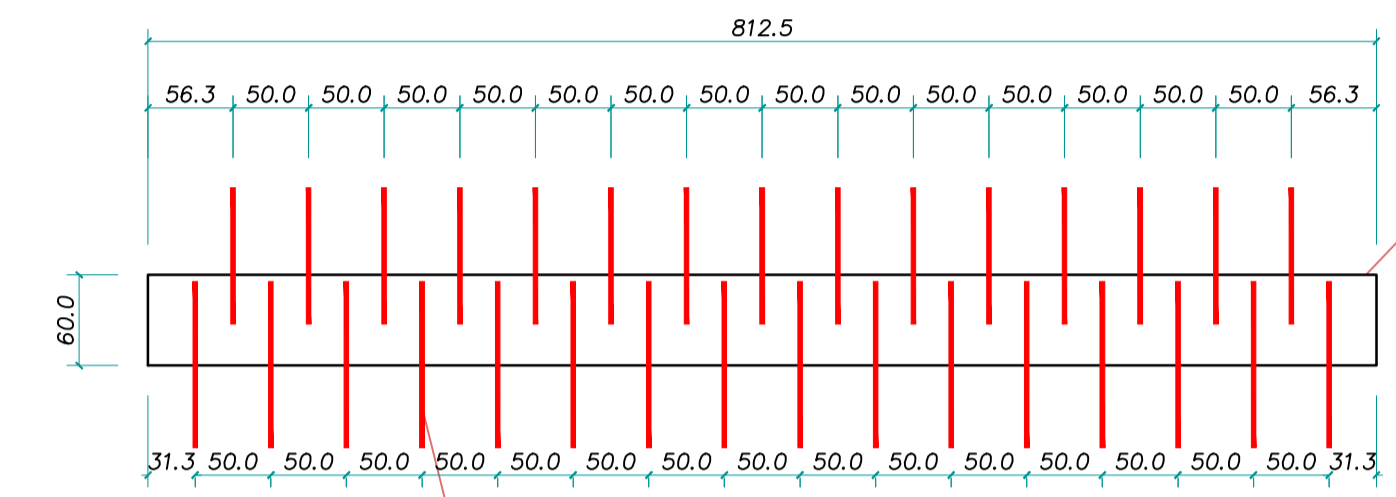
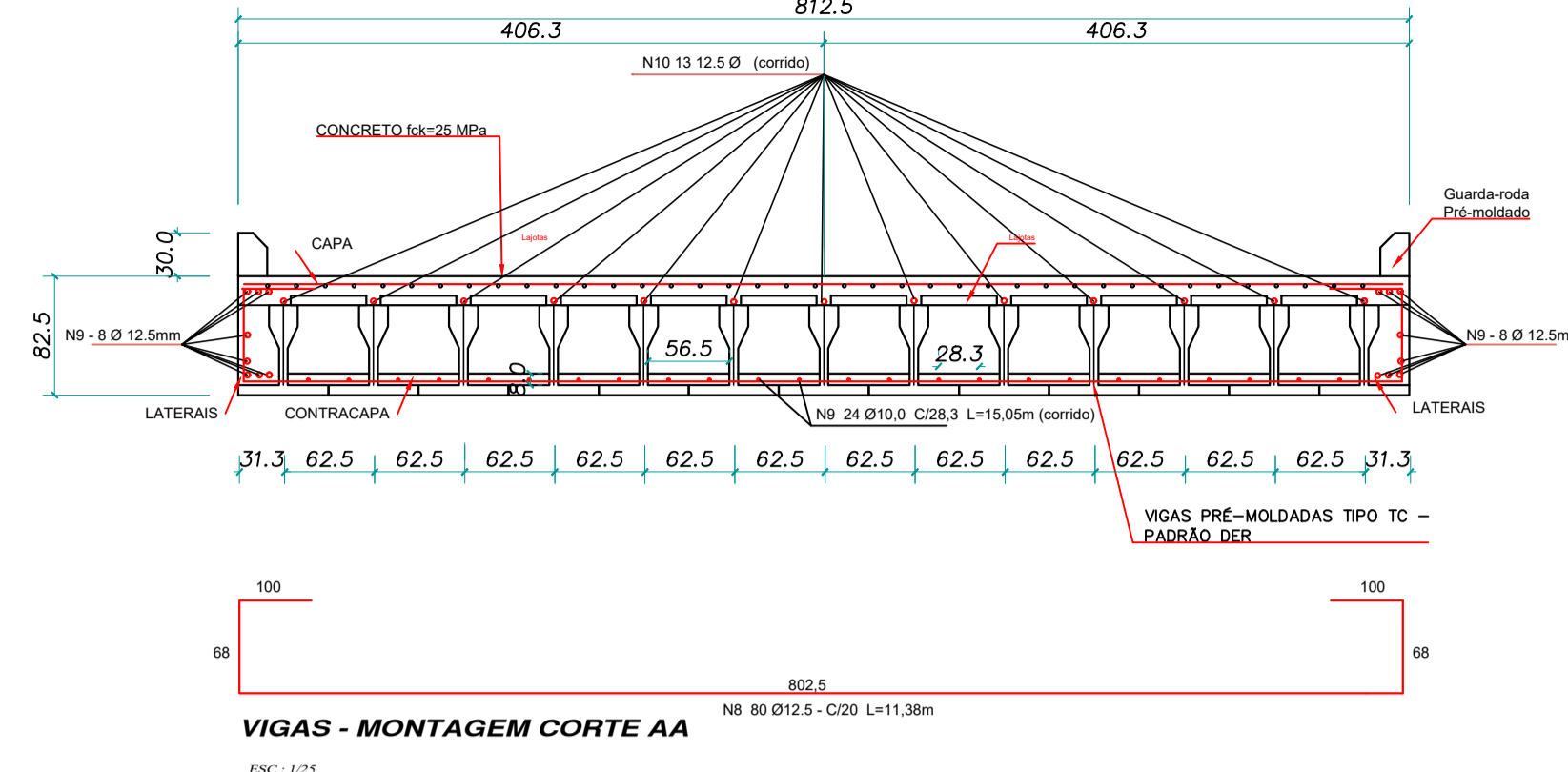
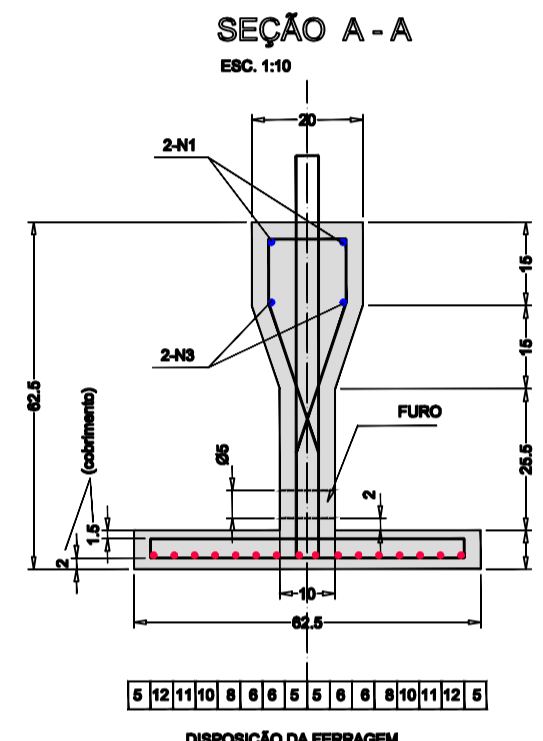
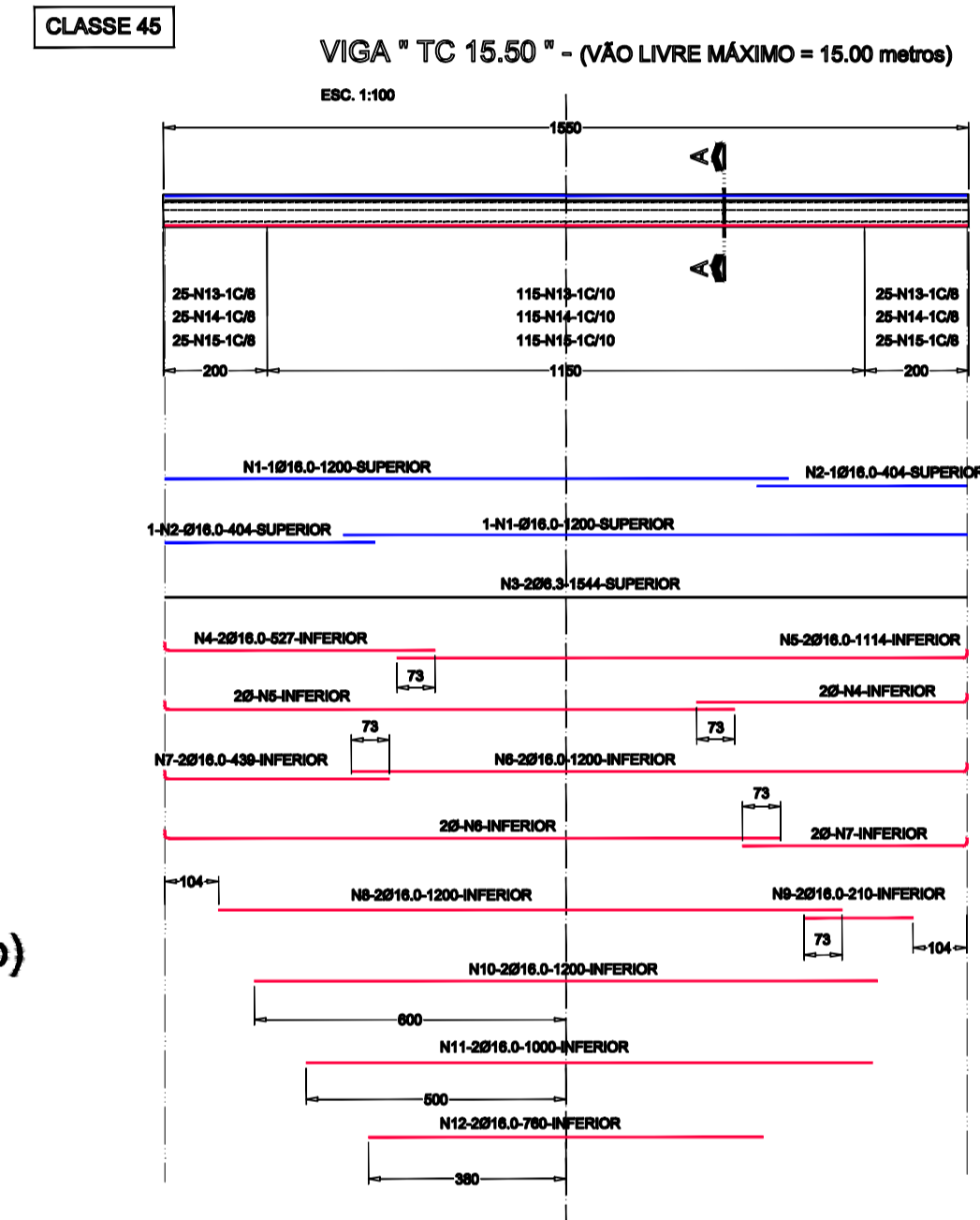
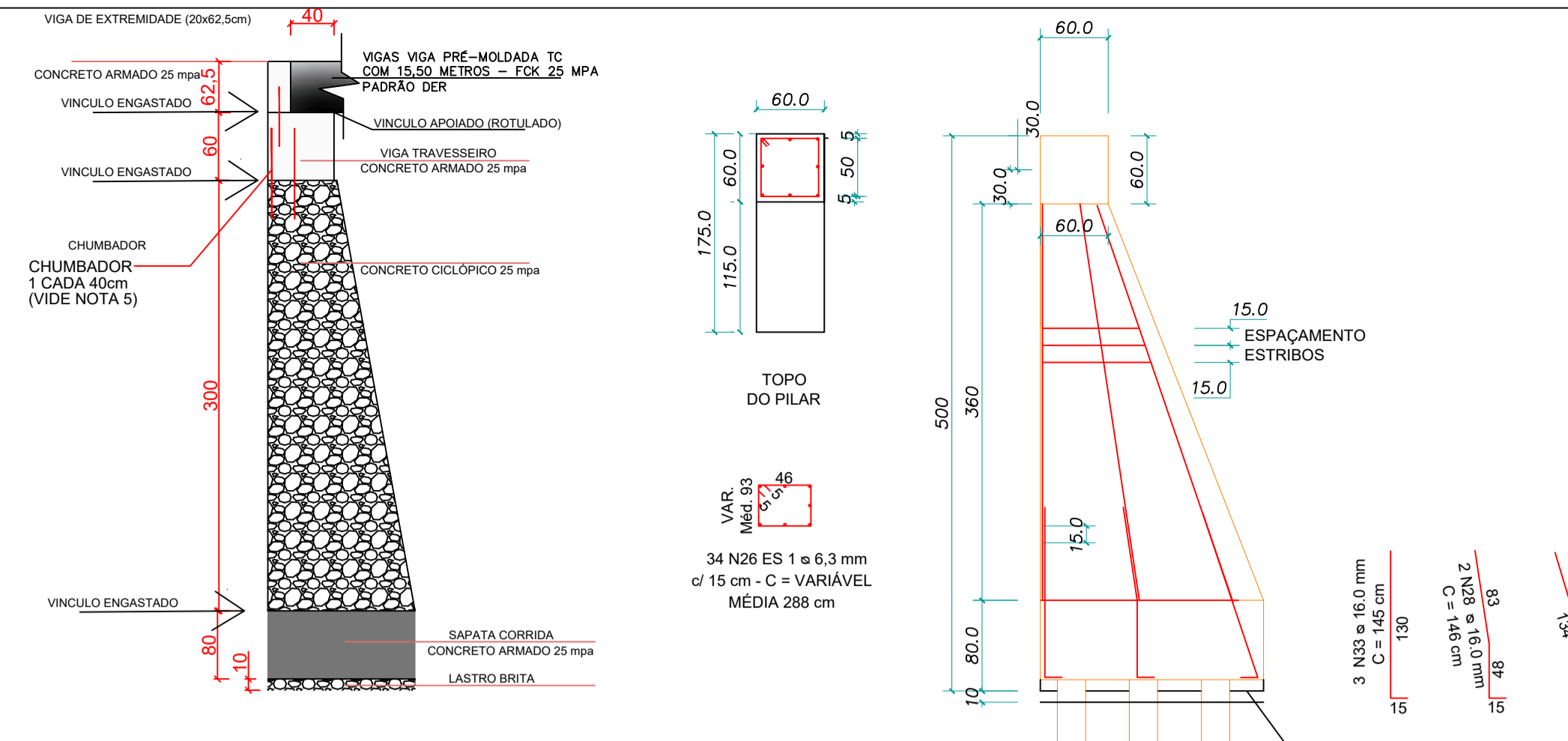
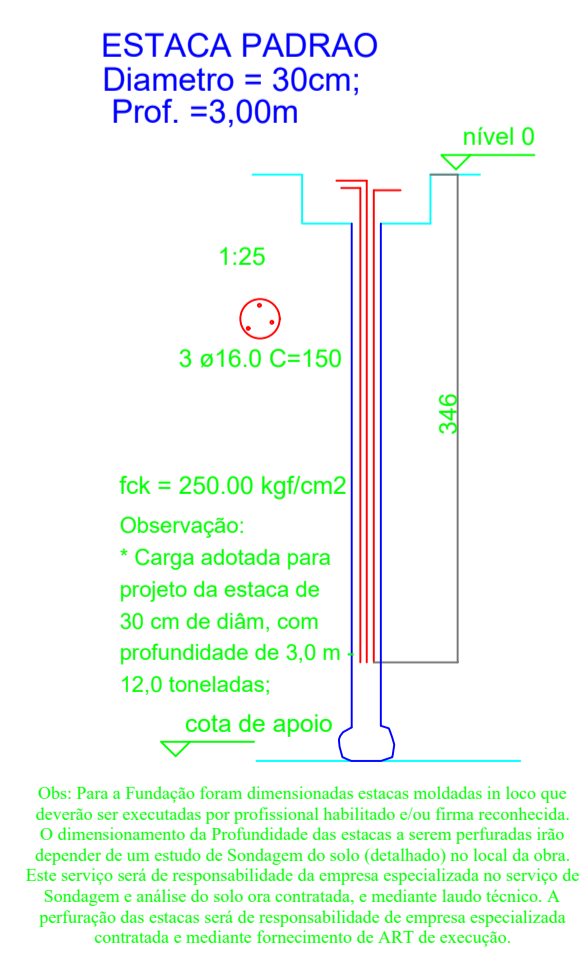
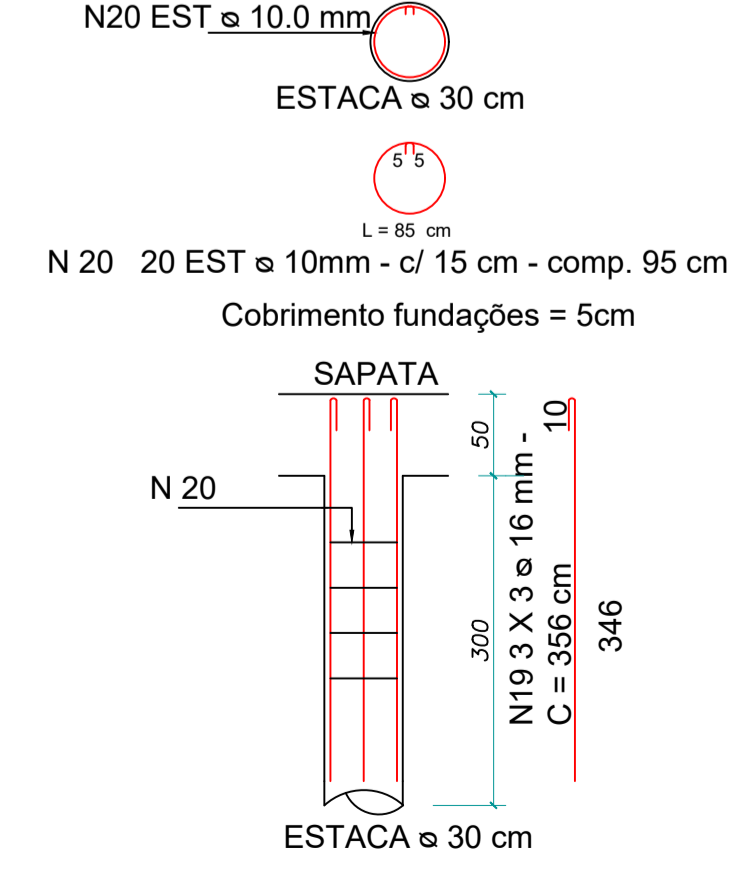


# P01 - PONTE SOBRE O RIO CHARQUEADA, VÃO 15,50 M, H: 5,00M

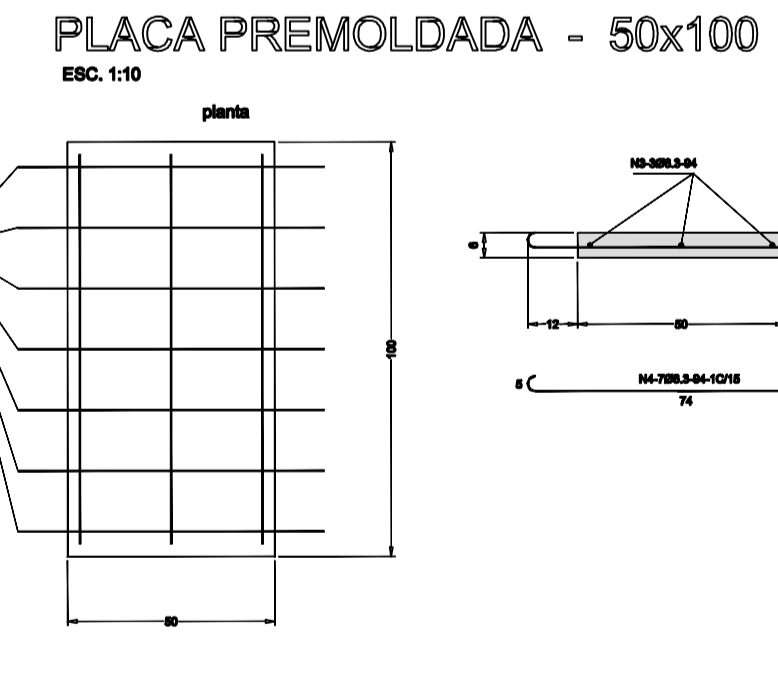


DIÂMETRO (ø)	METROS (M)	BARRAS (12 METROS)
ø 16,0 mm	1.281,60 M	106,80 BR
ø 10,0 mm	1.140,00 M	95,00 BR
PESO TOTAL		2.725,24 Kg
CONCRETO		(ASEC:0,07) X 3 X 60(UNID) 12,60 M3



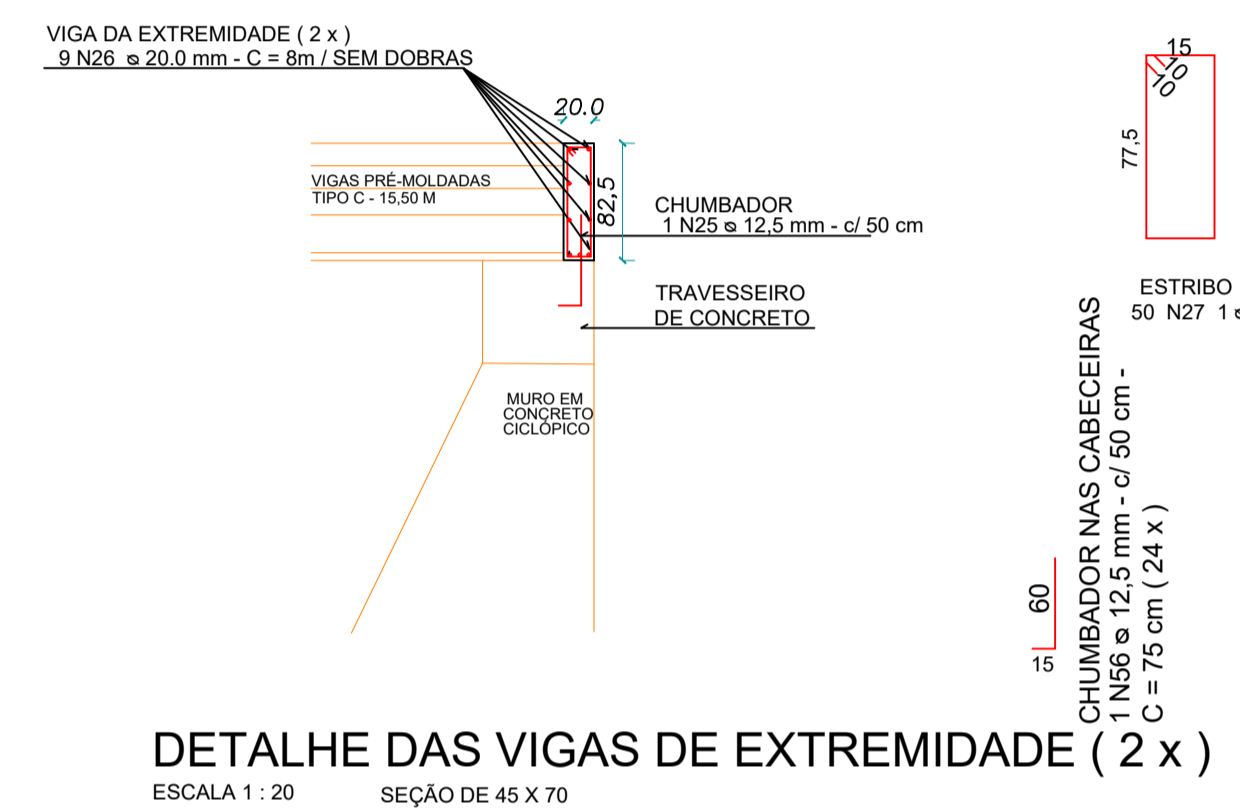
Nº	Ø	QUANT.	COMPRIMENTOS UNITÁRIO (cm)	TOTAL (m)
1	18,0	2	1300	24,00
2	18,0	2	404	8,08
3	8,3	2	1544	30,88
4	18,0	4	827	21,08
5	18,0	4	1114	44,56
6	18,0	4	1200	48,00
7	18,0	4	439	17,56
8	18,0	2	1200	24,00
9	18,0	2	210	4,20
10	18,0	2	1300	24,00
11	18,0	2	1000	20,00
12	18,0	2	790	15,80
13	4,8	185	94	185,10
14	10,0	185	188	387,40
15	8,0	185	120	222,00
PESO TOTAL (kgf)				672

Ø	COMPRIMENTO (m)	PESO (kg/m)	PESO PARCIAL
4,8	185,10	0,13	21
8,0	30,88	0,25	8
8,3	212,88	0,40	85
10,0	387,40	0,62	160
18,0	220,88	1,26	287
PESO TOTAL (kgf)			672

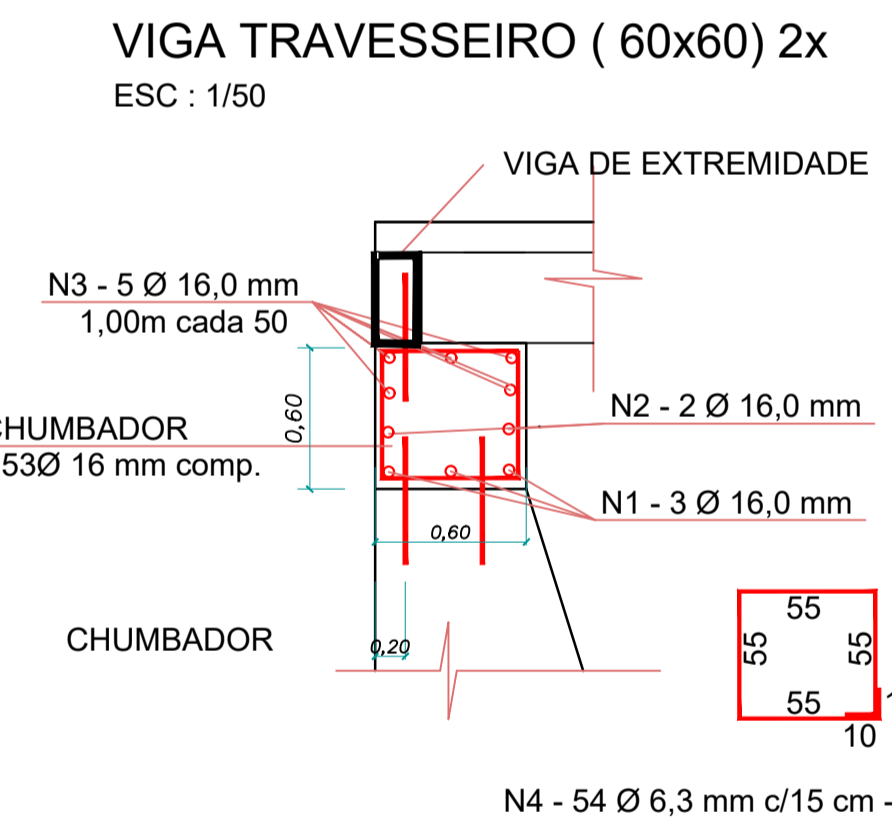


PILARES ( P01=P02 = P03 = P04 = P05 = P06 =P07 = P08 = P09 = P10 )  
NA CABECEIRA ( ENCOSTO ) (10 x )  
ESCALA 1 : 50

DIÂMETRO (ø)	METROS (M)	BARRAS (12 METROS)
ø 6,3 mm	(2,88 X 34)X 10 UNID. = 980,00M	82,00 BR
ø 16,00 mm	(3,65+3,5+3,85)+(1,45+1,46+1,49)X8 X 10 X2 =2464,00 M	206 BR
PESO TOTAL		(980 X 0,245) + (246,4 X 1,578) = 4128,9 Kg
CONCRETO		36,5 x 2 = 73m³



DIÂMETRO (ø)	METROS (M)	BARRAS (12 METROS)
ø 6,3 mm	205,00 M	17,00 BR
ø 20,0 mm	153 M	13 BR
PESO TOTAL		(205X0,245)+(153X2,466) = 427,98kg
CONCRETO		(0,45X0,70X8) X 2 = 2,68 M3



DIÂMETRO (ø)	METROS (M)	BARRAS (12 METROS)
ø 6,3 mm	237,60 M	20,0 BR
ø 16,0 mm	160,0 M	13,3 BR
PESO TOTAL		(237,6X0,245) + (160X1,578) = 310,69 KG
CONCRETO		8,125 X 0,60 X 0,60 X 2 UNID = 5,85 M3

**APROVADO**  
DEPARTAMENTO DE ENGENHARIA DE RIO BONITO DO IGUAÇU

Município: RIO BONITO DO IGUAÇU/PR	Obra: PONTE SOBRE O RIO CHARQUEADA ESTRADA DA INTEGRAÇÃO VÃO 15,50 M, H:5,00 M	Prancha: <b>04/05</b>
ESCALA: INDICADA	Proprietário: PREF. MUN. DE RIO BONITO DO IGUAÇU - PR PROPRIETÁRIO	Data: 12/08/2025
Arquivo Plotagem: PONTE RIO CHARQUEADA	Conteúdo Da Prancha: MONTAGEM DAS VIGAS, FUNDAÇÕES E SUPERESTRUTURA	desenho:
Responsável Pelo Projeto: ENIO AUSGUTO S. DA LUZ ENGº CIVIL - CREAPR - 219227-0		