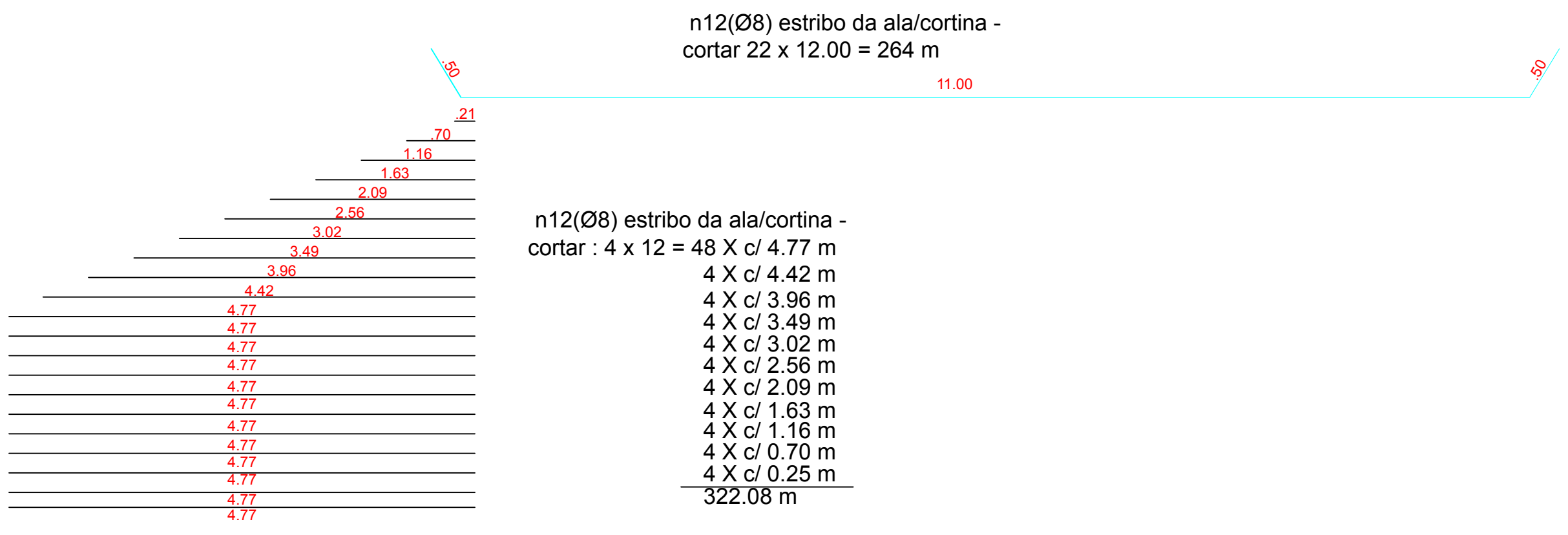
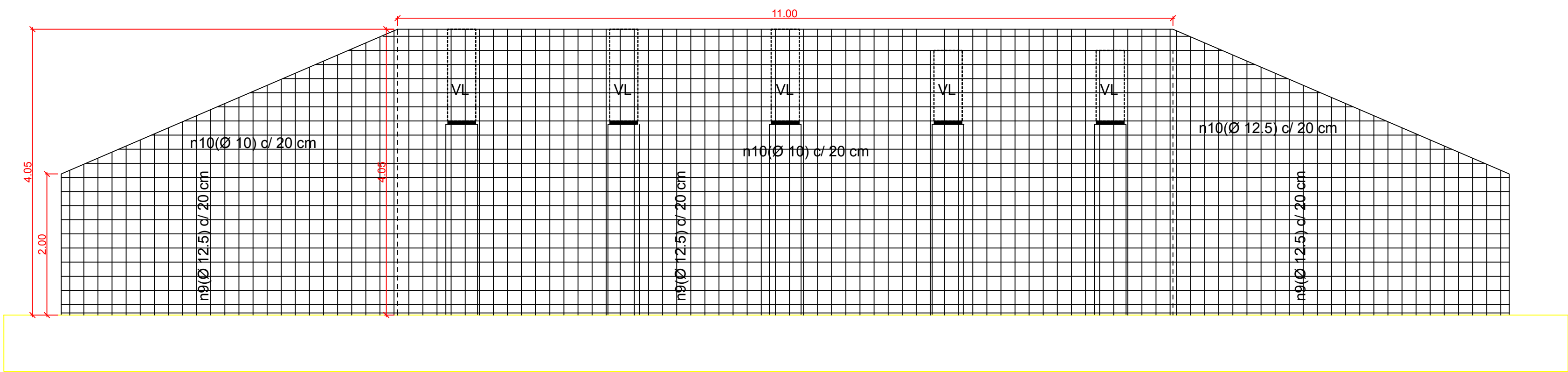


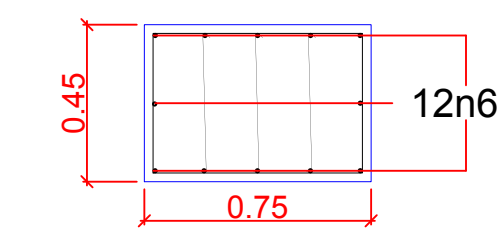
CORTINAS E ALAS

escala 1:50

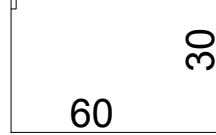


COMPLEMENTO DOS PILARES

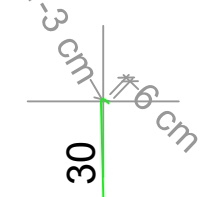
escala 1:20
Pi(45x75)
(10X)



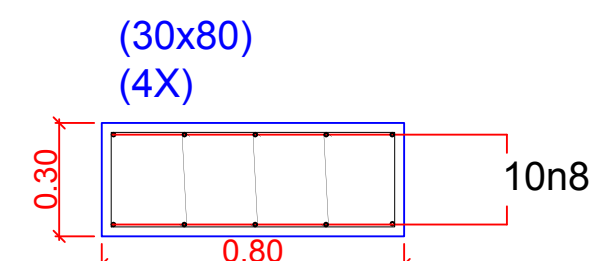
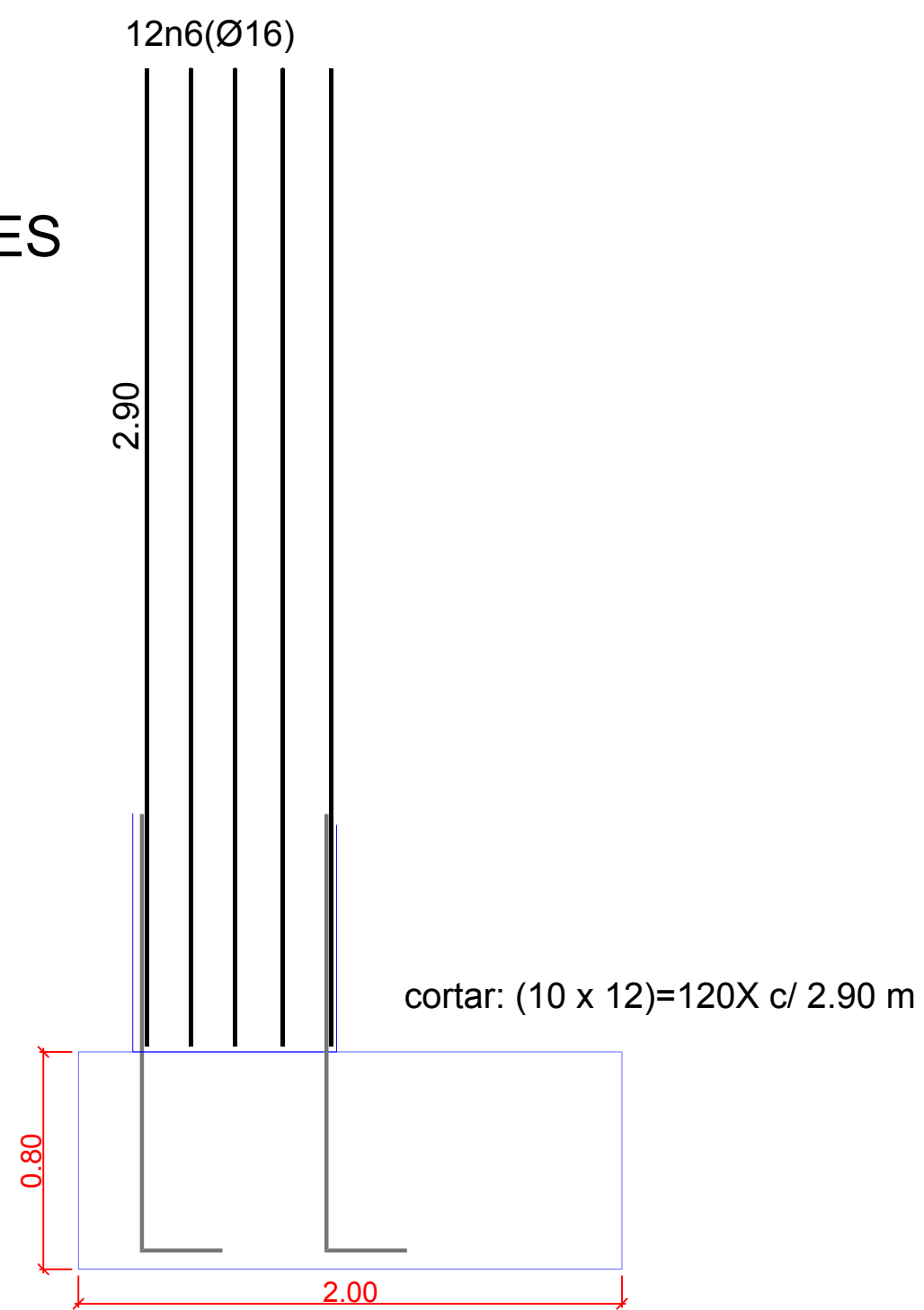
n7(Ø8) c/ 20 cm
cortar: 10 x15=150X c/ 2.00 m



n13(Ø8) c/ 20 cm

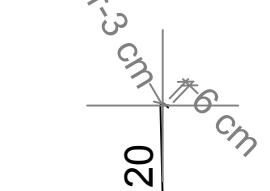


cortar: 10 x15x3=450X c/ 0.45 m

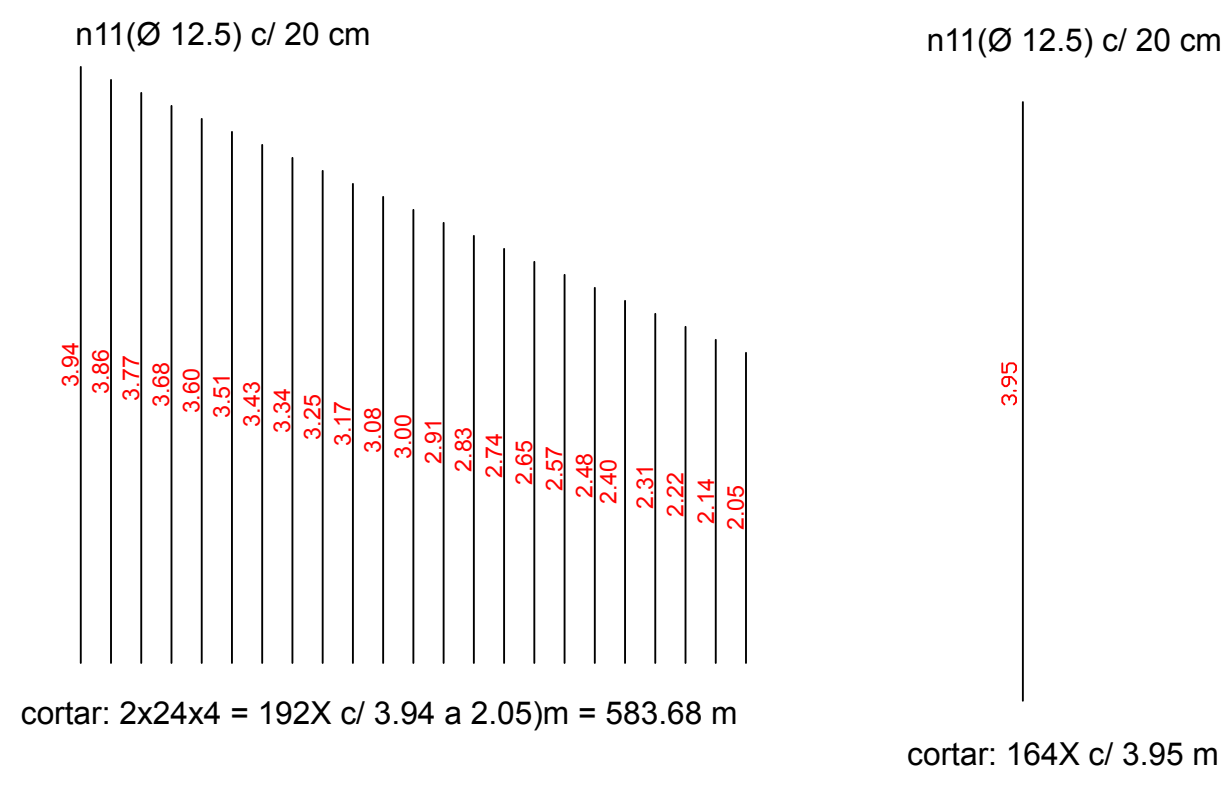
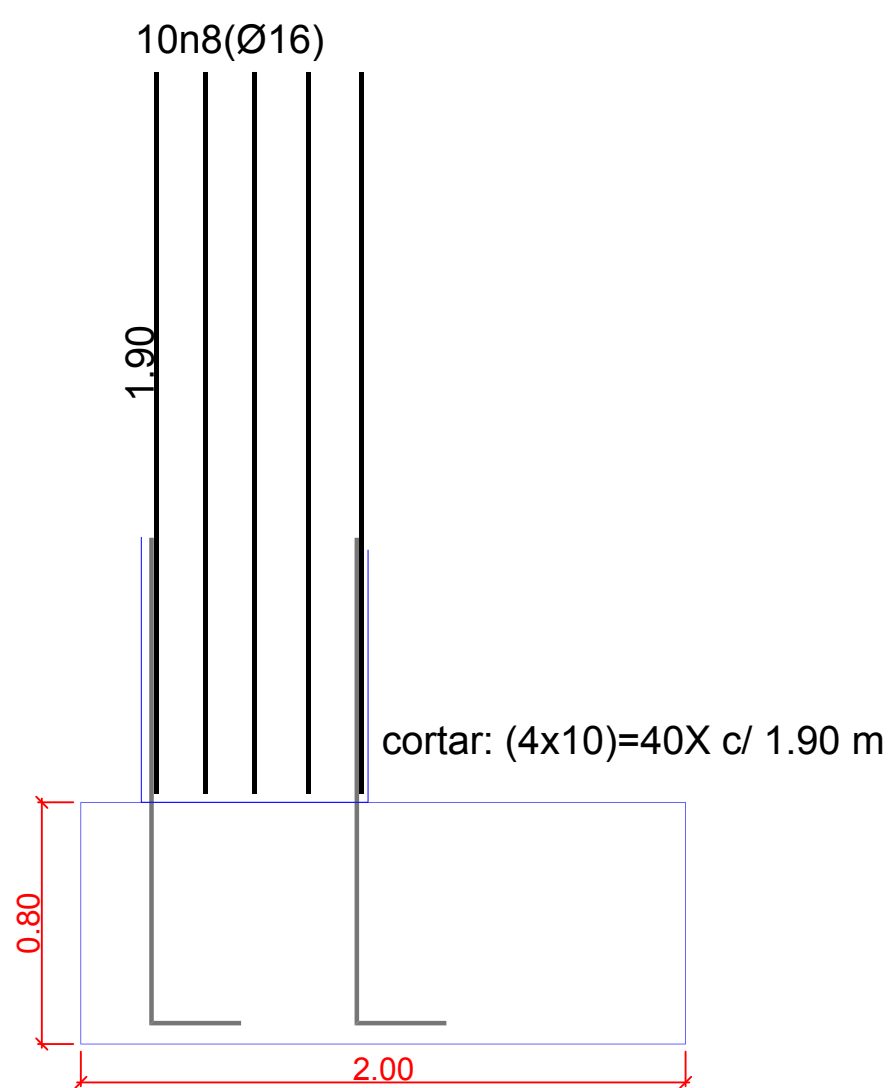


n9(Ø8) c/ 20 cm
cortar: 4 x9=36X c/ (2.00m)

n10(Ø8) c/ 20 cm



cortar: 4x9x3=108X c/ 0.32 m



POSIÇÃO	BITOLA	quant	CORTE(m)	total(m)	TOTAL (m) +10%	PESO UNITÁRIO	PESO REAL (kg)	PESO +10% (kg)
N6	16	120	2.9	348	382.80	1.6	556.80	612.48
N7	8	150	2	300	330.00	0.4	120.00	132.00
N8	16	40	1.9	76	83.60	1.6	121.60	133.76
N9	8	36	2	72	79.20	0.4	28.80	31.68
N10	8	108	0.32	34.56	38.02	0.4	13.82	15.21
N11	12.5	164	3.95	647.8	712.58	1	647.80	712.58
N12	12.5	192	VARIÁVEL	538.68	592.55	1	538.68	592.55
N13	8	22	12	264	290.40	0.4	105.60	116.16
N14	8	48	VARIÁVEL	322.08	354.29	0.4	128.83	141.72
N15	8	450	0.45	202.5	222.75	0.4	81.00	89.10

RESUMO DE AÇO CA 50

bitola (Ø)	comp. (m)	kg/m	total (kg)
8	1.195,14	0.40	478,06
12.5	1.186,48	1.00	1.186,48
16	424,00	1.60	678,40

total = 2.342,94 kg
+10% 2.577.23 kg

Concreto - fck - 30 Mpa = 40.00 m³
Forma para concreto = 412 m²

RONÉ Engenharia, Projetos, Construções e Comércio Ltda.

PROJETO ESTRUTURAL - ALAS	F-03
PREFEITURA MUNICIPAL DE JAU - SP	escala
Local - Ponte - RIBEIRÃO POUSO ALEGRE - Estância Soave	data
PROJETO: 16/09/2016	assinatura
PROJETO: 16/09/2016	assinatura
PROJETO: 16/09/2016	assinatura