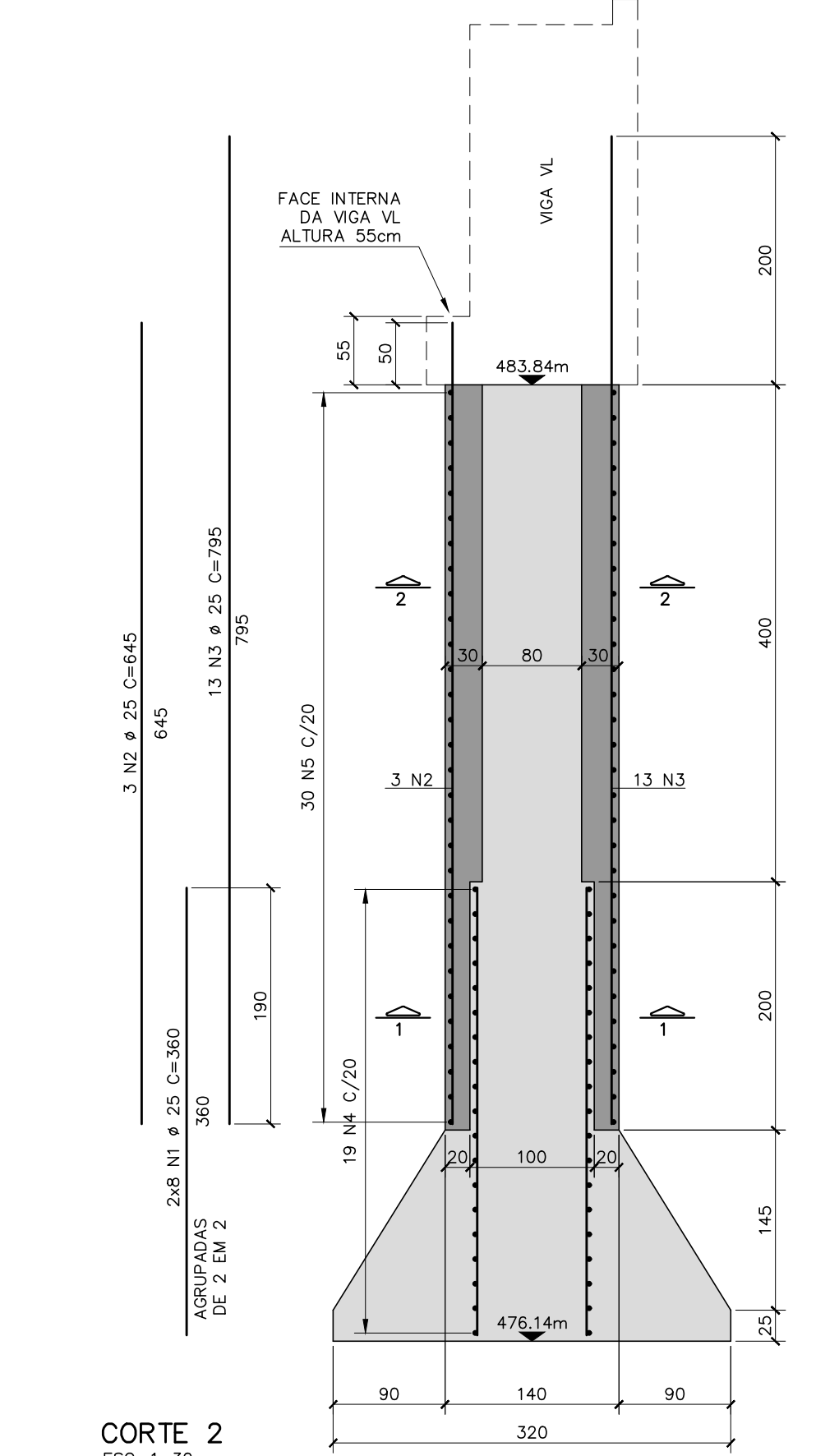
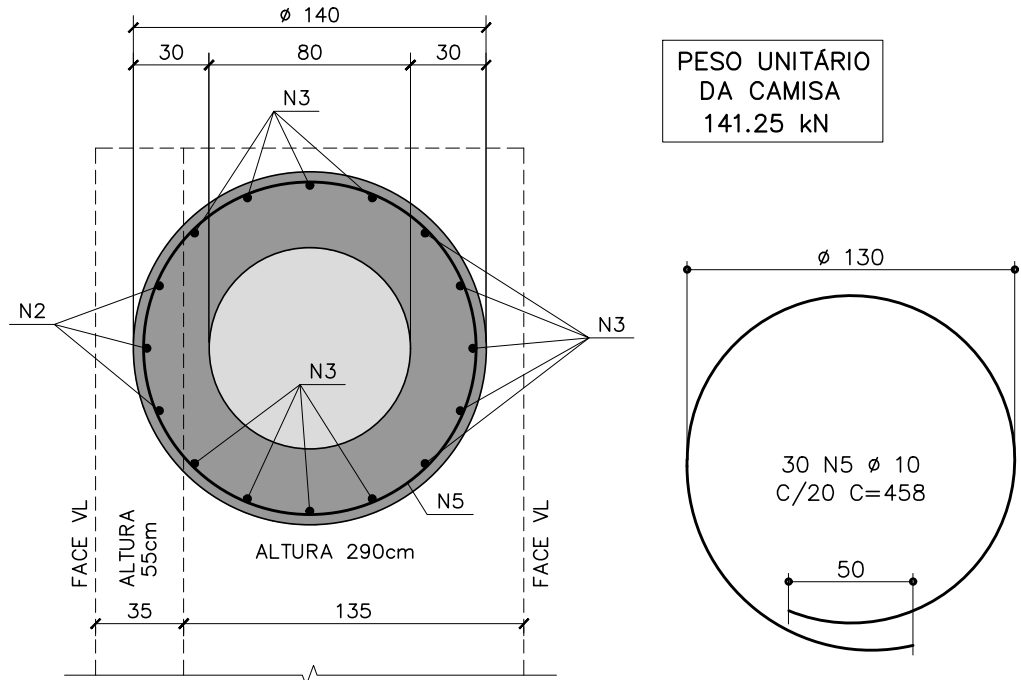


ARMADURA DOS TUBULÕES (4x)
ESC. 1: 50



CORTE 2
ESC. 1: 30



CORTE 1
ESC. 1: 30

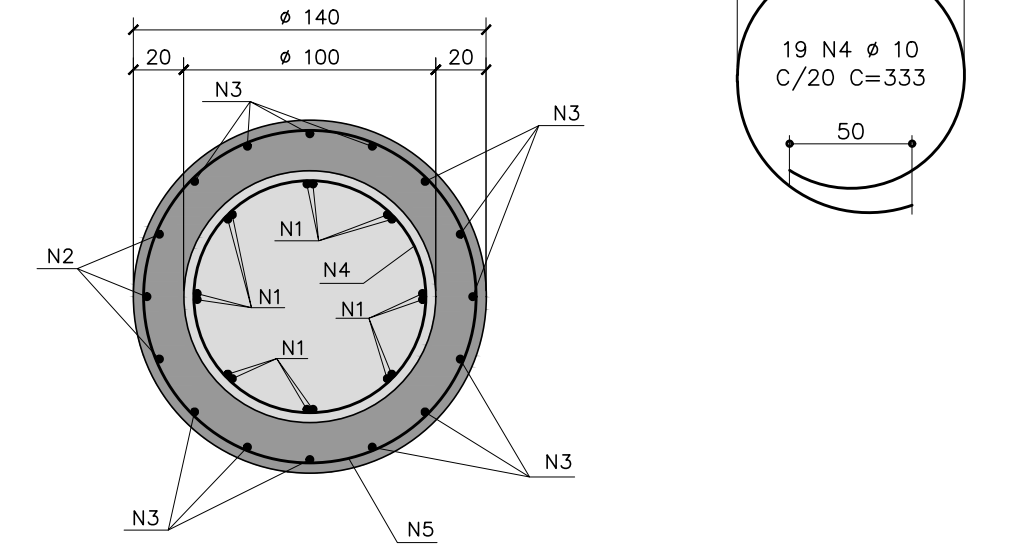


TABELA DE AÇO				
ELEMENTO	N	Ø	QUANT.	COMP. TOTAL
TUBULÕES 4x	1	25	64	360
	2	25	12	645
	3	25	52	795
	4	10	76	333
	5	10	120	456

RESUMO DO AÇO CA50		
Ø	COMP. TOTAL	PESO kgf.
10	800.28	494
25	721.20	2779
TOTAL		3273 kg

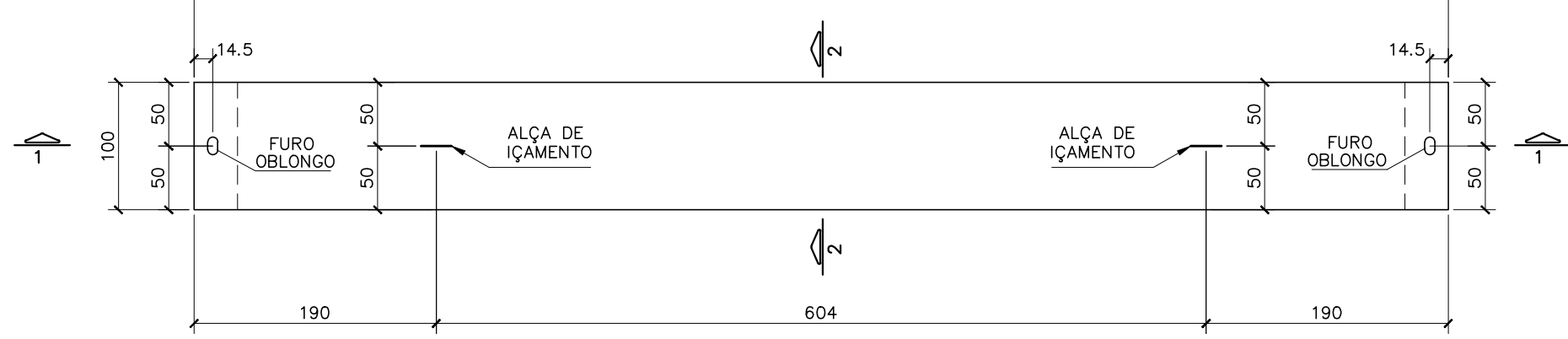
QUANTIDADES:				
ELEMENTO	QUANTIA	VOLUME CONCRETO UNITÁRIO m3	VOLUME CONCRETO TOTAL m3	FÓRMA CURVA UNITÁRIA m2
CAMISAS	4	5.65	22.60	44.81
PREENCH.	4	11.92	47.68	0.00
SOMA			138.60	306.00

DETALHAMENTO DAS VIGAS VPs

FÔRMAS DAS VPS

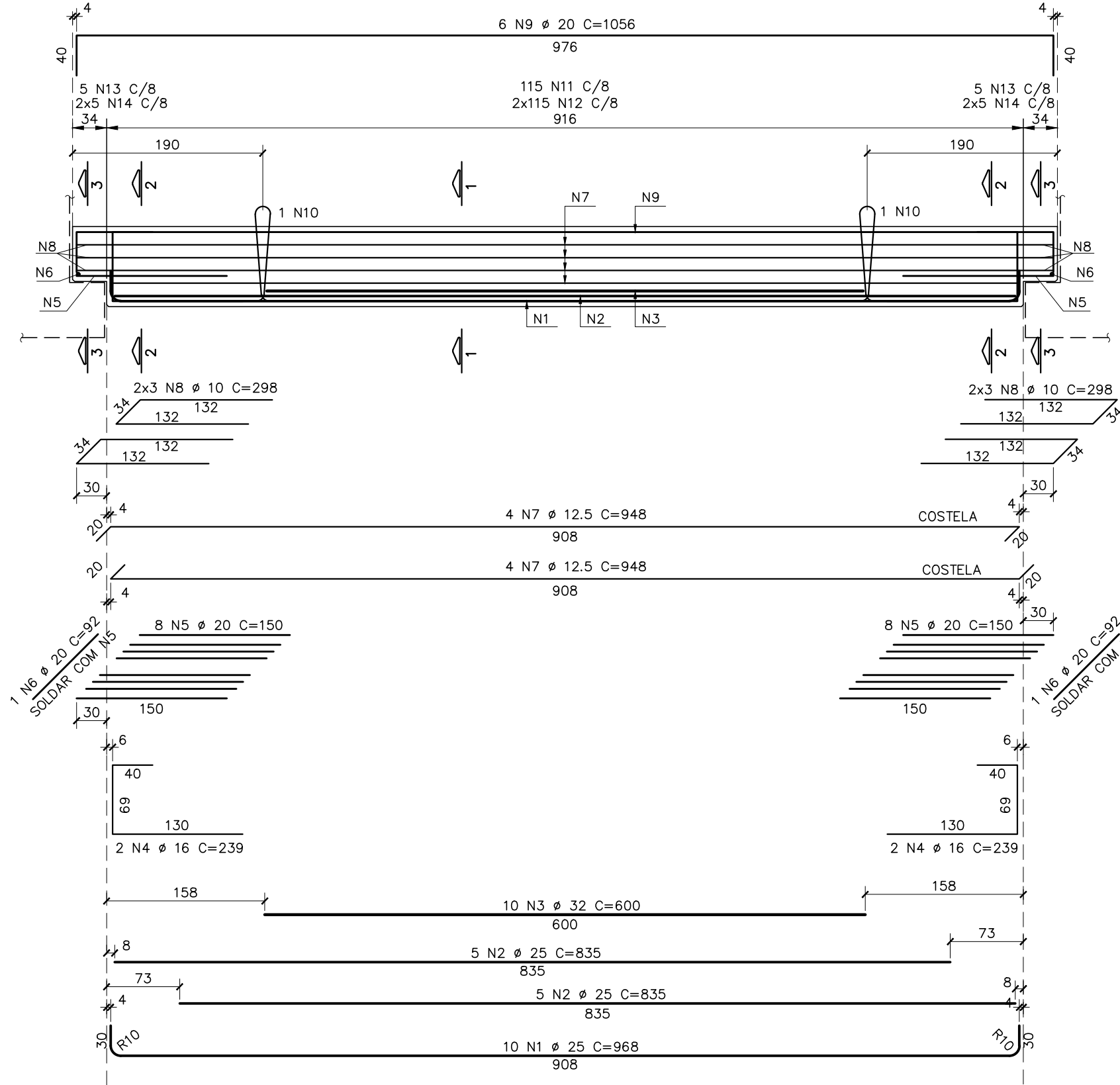
ESC. 1: 50

PLANTA



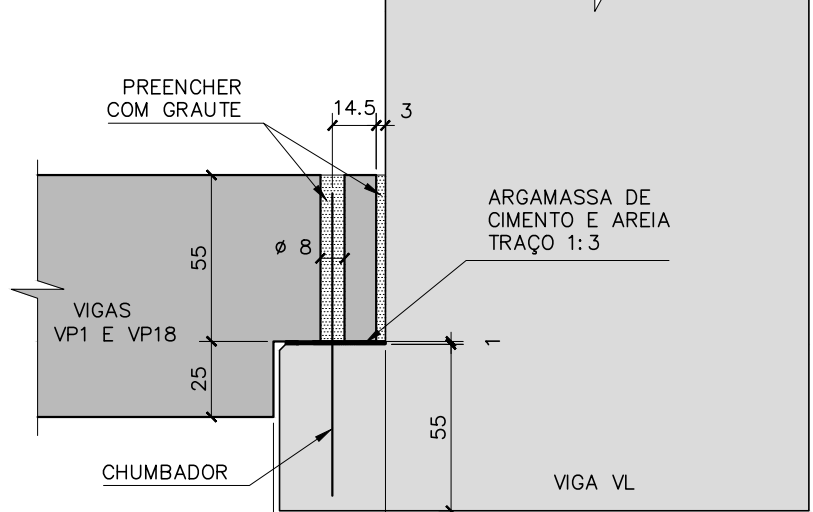
ARMADURAS DAS VPS (ELEVÇÃO)

ESC. 1: 50



DETALHE DE GRAUTEAMENTO DAS VIGAS VPS

ESC. 1: 25

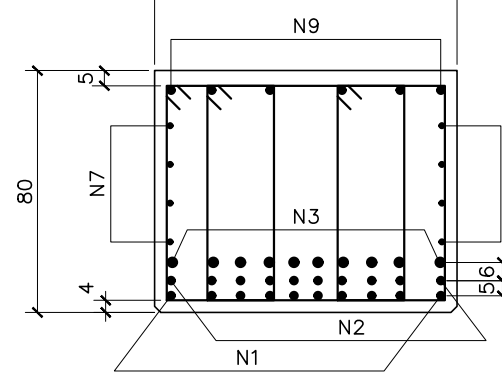


- REGULARIZAR APOIO COM ARGAMASSA 1:3
- GRAUTEAR FURO DE MONTAGEM
- GRAUTEAR FOLGA ENTRE VP E VL

GRAUTE COM fck 50MPa E PEGA RÁPIDA

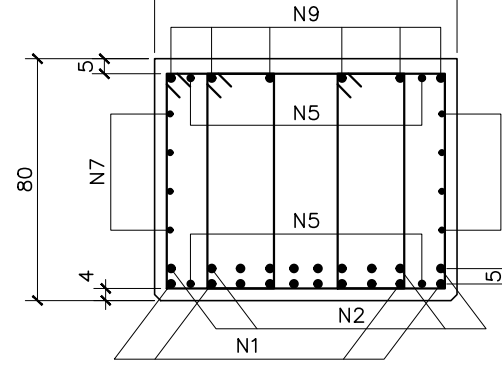
CORTE 1

ESC. 1: 25



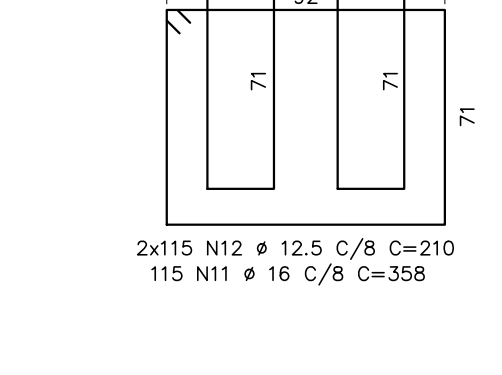
CORTE 2

ESC. 1: 25



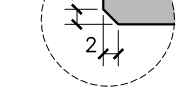
CORTE 3

ESC. 1: 25



DETALHE DO CHANFRO

ESC. 1: 10



DETALHE DAS SOLDAS DAS ARMADURAS N9 E N10 COM N27 E N28

ESC. 1: 5

