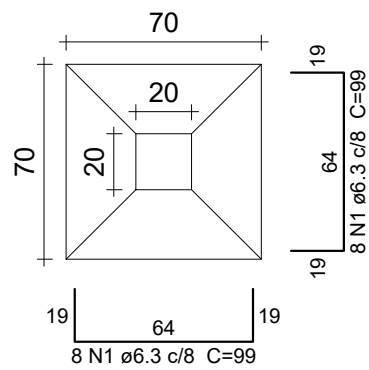
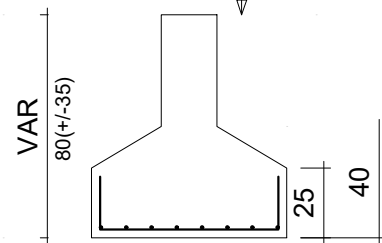


S12=S18=S23
PLANTA
ESC 1:25

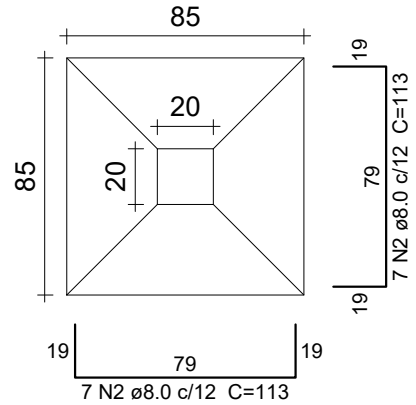


Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

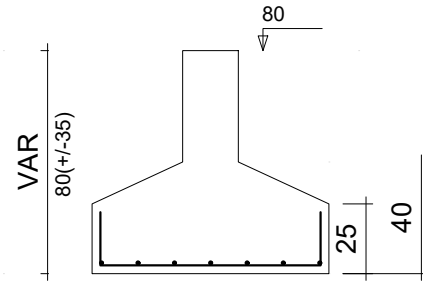


S1=S5=S15=S22
PLANTA
ESC 1:25

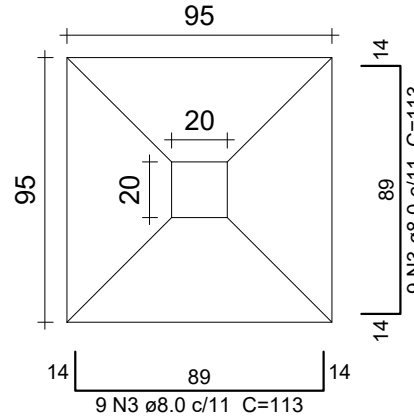


Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

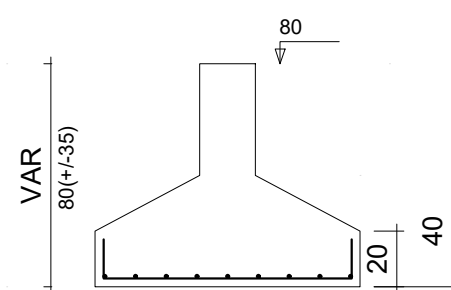


S6=S7=S8=S9=S10=S11=S16=S19=S20
PLANTA
ESC 1:25



Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25



Relação do aço

4xS2
S14

9xS10
4xS15

3xS12
2xS17

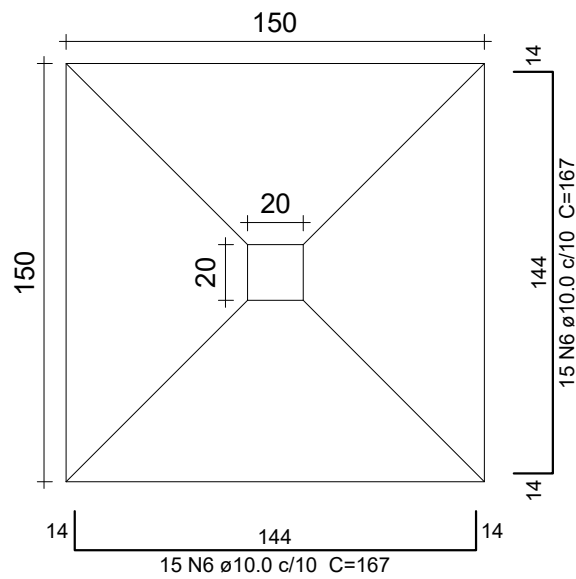
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	48	99	4752
	2	8.0	56	113	6328
	3	8.0	162	113	18306
	4	8.0	40	123	4920
	5	8.0	104	133	13832
	6	10.0	30	167	5010

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	47.6	12.8
	8.0	433.9	188.3
	10.0	50.1	34
PESO TOTAL (kg)			
CA50	235.1		

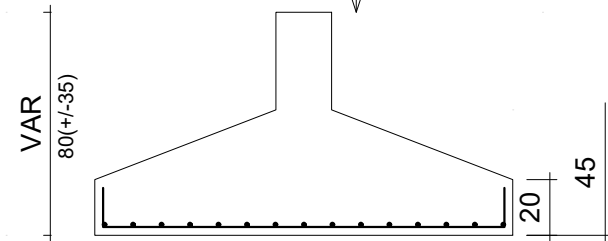
Volume de concreto (C-20) = 6.45 m³
Área de forma = 18.9 m²

S14
PLANTA
ESC 1:25

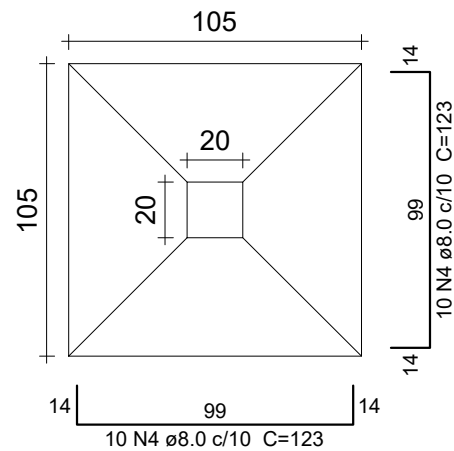


Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

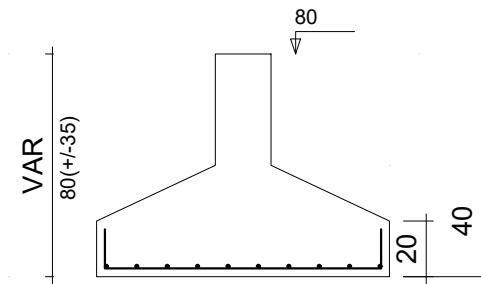


S17=S21
PLANTA
ESC 1:25

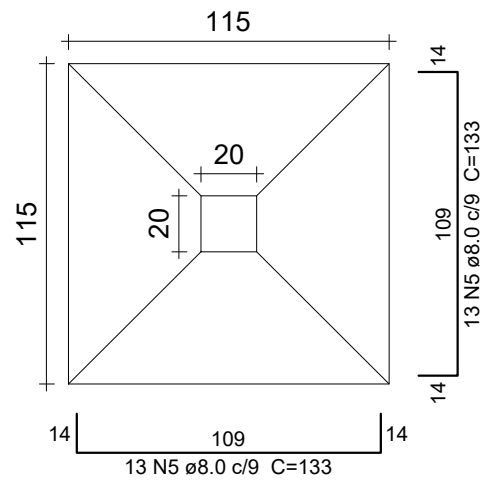


Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

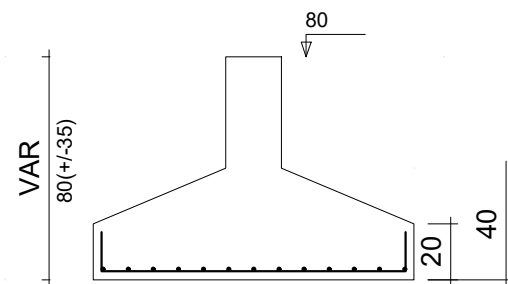


S2=S3=S4=S13
PLANTA
ESC 1:25



Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25



AMPLIAÇÃO ESCOLA INFANTIL

RUA CUIABÁ- BAIRRO PROGRESSO - MUNICÍPIO DE TIO HUGO - RS

PROPRIETÁRIO:



PREFEITURA MUNICIPAL DE TIO HUGO

RESPONSÁVEL TÉCNICO:

JEAN BERARDI MANICA
ENG° CIVIL CREA-RS 133.545-D

DESENHO:

Jean Berardi

ÁREA:

240.00 m²

ESCALA:

1/50

PROJETO:

FERRAGEM DAS
SAPATAS

DATA:

Agosto/2017

PRANCHA:

E-02