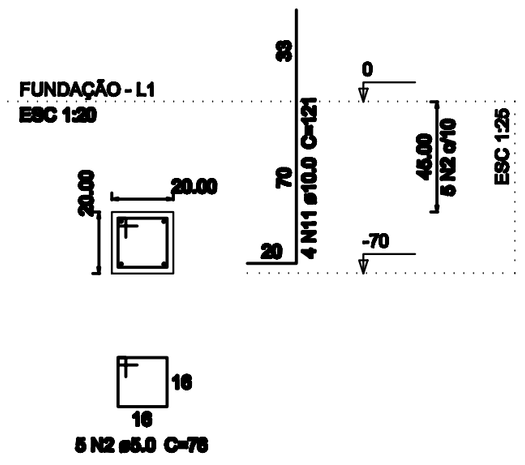
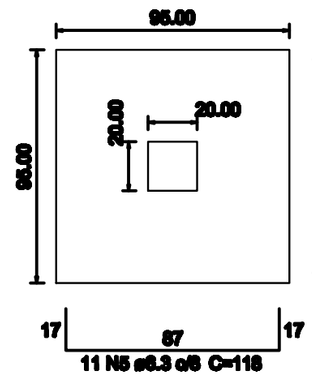
P1=P3=P7=P9

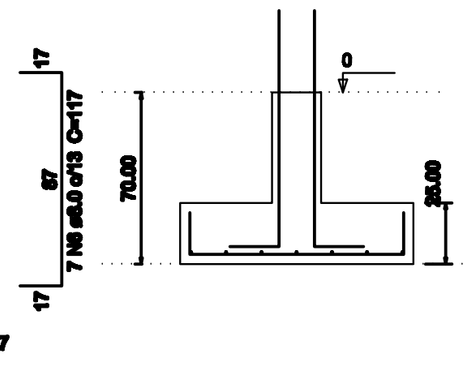


S1=S3=S7=S9

PLANTA
ESC 1:25

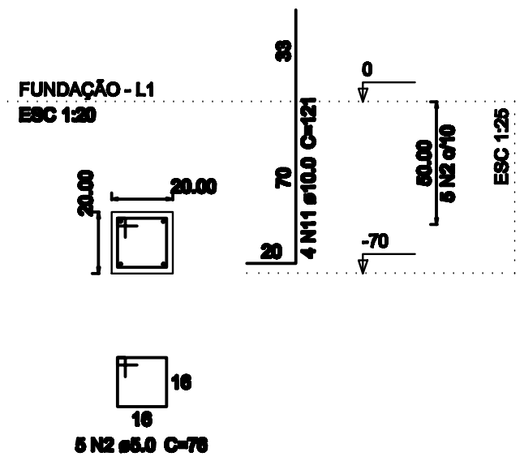


CORTE
ESC 1:25



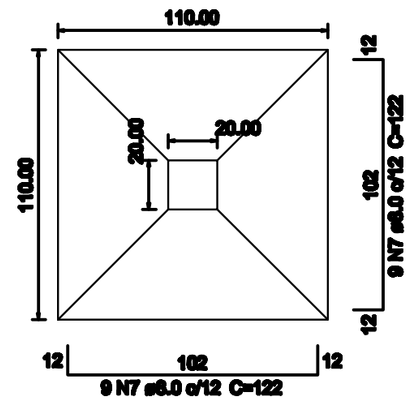
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

P2=P8

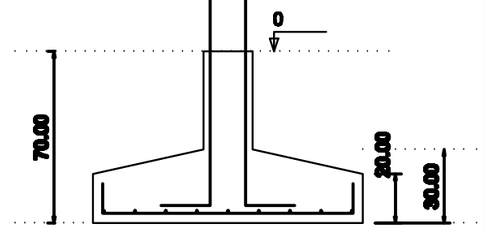


S2=S8

PLANTA
ESC 1:25



CORTE
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

Relação do aço

4ø*1 2ø*2 2ø*4
2ø*3 4ø*1 2ø*2
2ø*4 ø5 V1

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	65	116	7540
	2	5.0	30	76	2280
	3	5.0	15	96	1440
CA50	4	6.3	2	89	178
	5	6.3	44	118	5192
	6	8.0	28	117	3276
	7	8.0	36	122	4392
	8	8.0	26	147	3822
	9	10.0	2	635	1270
	10	10.0	3	665	1995
	11	10.0	36	121	4356
	12	10.0	8	67	536
	13	10.0	20	136	2720
	14	10.0	17	161	2737
	15	10.0	15	171	2565

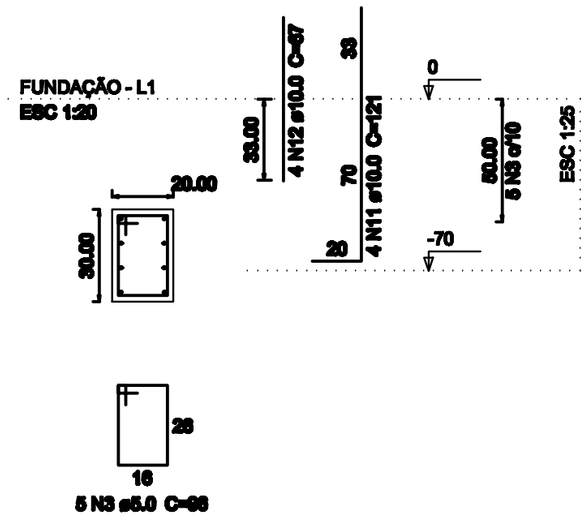
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)	PESO + 10 % (kg)
CA50	6.3	53.7	5	14.5
	8.0	114.9	11	49.9
	10.0	181.8	15	109.7
CA60	5.0	112.6	rolo	19.1

PESO TOTAL (kg)	
CA50	174.1
CA60	19.1

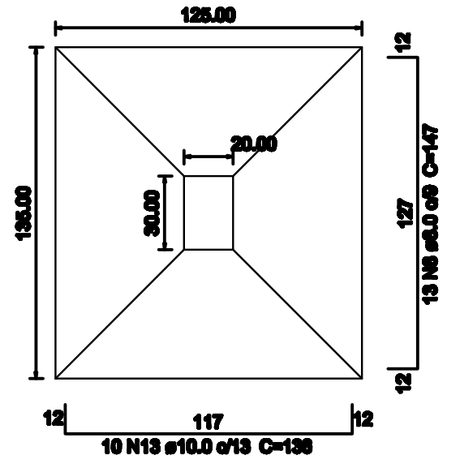
Volume de concreto (C-30) = 0.79 m³
Volume de concreto (C-25) = 3.08 m³
Área de forma = 20.54 m²

P4=P6

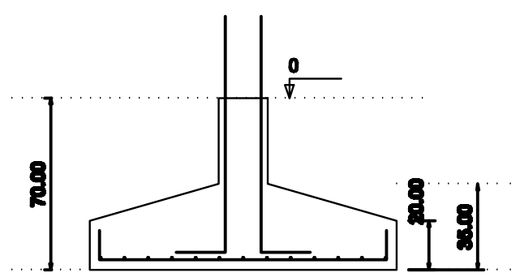


S4=S6

PLANTA
ESC 1:25

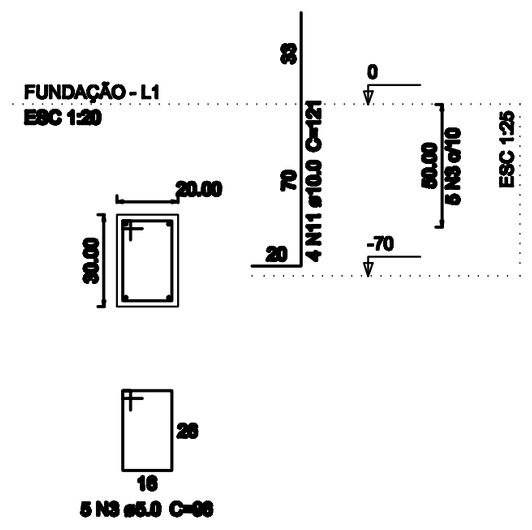


CORTE
ESC 1:25



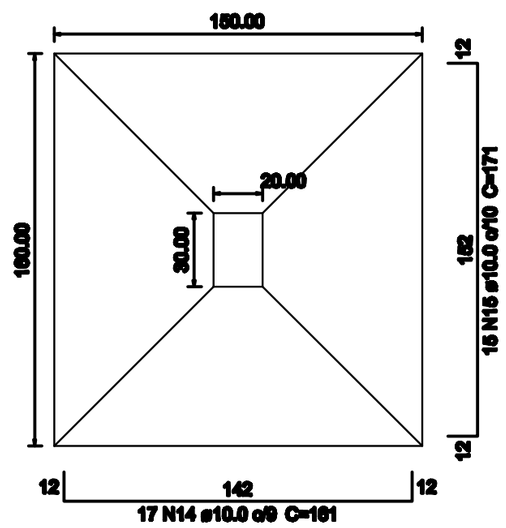
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

P5

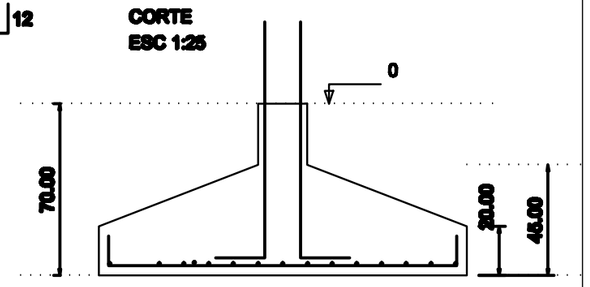


S5

PLANTA
ESC 1:25



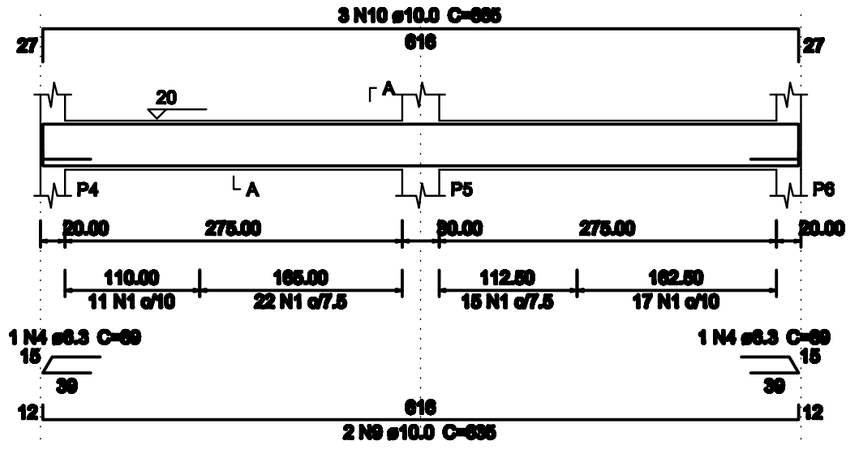
CORTE
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

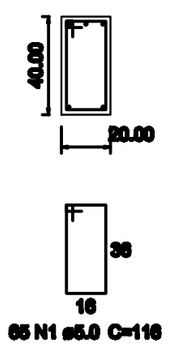
V1 (20 x 40)

ESC 1:50



SEÇÃO A-A

ESC 1:25



OBSERVAÇÕES
1.

REVISÃO	DATA	ALTERAÇÃO

ESCALA: INDICADA
CREA: 060.157.136/7
AUTOCAD BY
ART: 92221220140014555

c2ma-soluções em projetos
Rua José Pires, 42 | Piso 02 | Sala 14 | Centro
12940-750 | ATIBAIA | SP | Tel (11) 2427-6311
luiz@c2maprojetos.com.br | www.c2maprojetos.com.br

CLIENTE: PREFEITURA MUNICIPAL DE SÃO CARLOS.
DATA: 05/01/14
ENGENHEIRO CIVIL RESP.: LUIZ CARLOS CAMILLO
ASSINATURA
TOTAL FOLHAS
REVISÃO: 00
LOCAL: CONDOMINIO ENCONTRO VALPARAISO I E II.
FOLHA: 03
TÍTULO: PROJETO ESTRUTURAL DO NOVO VERTEDOR - FUNDAÇÃO