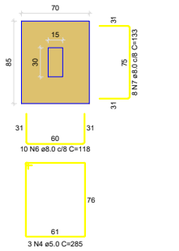
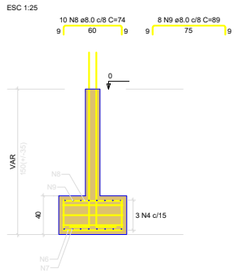
S1=S2

PLANTA
ESC 1:25

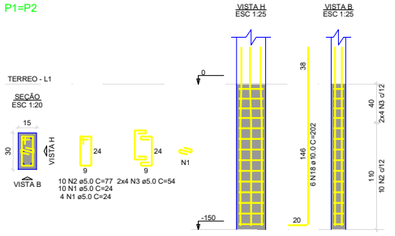


CORTE
ESC 1:25



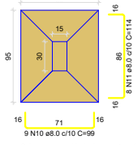
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P1=P2



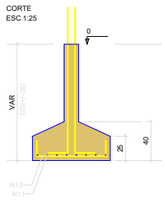
S3=S4

PLANTA
ESC 1:25

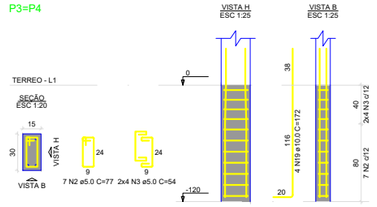


Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25



P3=P4



RELAÇÃO DO AÇO

2xP1
2xP6
2x58
2xP3
2x51
4x510
4xP5
2xS3

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	28	24	672
	2	5.0	76	77	5852
	3	5.0	80	54	4320
	4	5.0	6	285	1710
	5	5.0	12	385	4620
CA50	6	8.0	20	118	2360
	7	8.0	16	133	2128
	8	8.0	20	74	1480
	9	8.0	16	89	1424
	10	8.0	18	99	1782
	11	8.0	16	114	1824
	12	8.0	20	94	1880
	13	8.0	14	109	1526
	14	8.0	52	143	7436
	15	8.0	44	158	6952
	16	8.0	52	99	5148
	17	8.0	44	114	5016
	18	10.0	12	202	2424
	19	10.0	32	172	5504

RESUMO DO AÇO

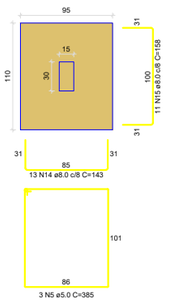
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	389.6	169.1
	10.0	79.3	53.8
CA60	5.0	171.7	29.1

PESO TOTAL (kg)	
CA50	222.9
CA60	29.1

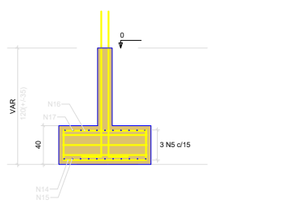
Volume de concreto (C-25) = 3.50 m³
Área de forma = 20.01 m²

S5=S6=S7=S10

PLANTA
ESC 1:25

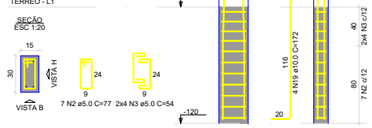


CORTE
ESC 1:25



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

P5=P6=P7=P10



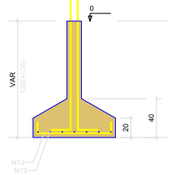
S8=S9

PLANTA
ESC 1:25

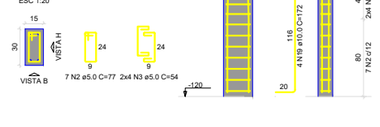


Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25



P8=P9



MAURO BILL SILVA BARBOSA:01253941955

Assinado de forma digital por MAURO BILL SILVA BARBOSA:01253941955

PREFEITURA MUNICIPAL DE SÃO JOAQUIM

PROJETO ESTRUTURAL

EQUIPE TÉCNICA:

DIRETORA DE PROJETOS ESPECIAIS: DIEGO MESQUITA RIBEIRO– CREA–SC 172393–2
ARQUITETA E URB. MARIA DE FÁTIMA SOUSA – CAU A–64851–5
ARQUITETA E URB. FLAVIA MATTOS – CAU A–144238–4
ENG. CIVIL GUSTAVO DA SILVA – CREA–SC 206543–8
ENG. CIVIL MAURO BILL S. BARBOSA – CREA–SC 183130–1
TÉC. EM GEOMENSURA CLEBER O. C. MADEIROS – CFT 2500652297

ESCALA INDICADA AREA FOLHA 02/06 DATA 02/09/2026