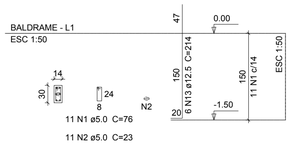
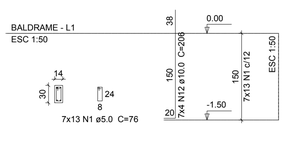
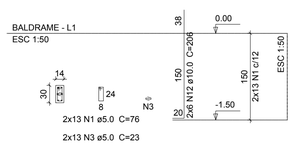
P11



P1=P2=P3=P5=P20=P21=P24

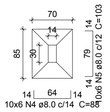


P8=P9

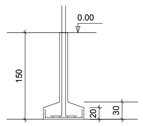


S1=S2=S3=S5=S8=S9=S11=S20=S21=S24

PLANTA
ESC 1:50

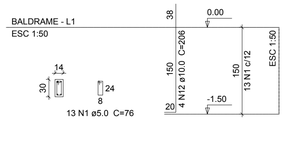


CORTE
ESC 1:50



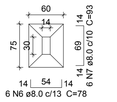
Solo com capacidade de suporte > 200.00 kN/m²

P4=P6=P7=P26=P32=P34=P36

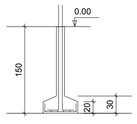


S4=S6=S7=S26=S32=S34=S36

PLANTA
ESC 1:50



CORTE
ESC 1:50



Solo com capacidade de suporte > 200.00 kN/m²

Relação do aço

7xS7 S11 S13
S19 S28 S36
S39

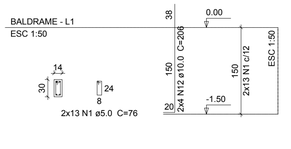
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	397	76	30172
	2	5.0	22	23	506
	3	5.0	65	23	1495
CA50	4	8.0	60	88	5280
	5	8.0	137	103	14111
	6	8.0	42	78	3276
	7	8.0	60	93	5580
	8	8.0	24	118	2832
	9	8.0	42	83	3486
	10	8.0	6	123	738
	11	8.0	12	108	1296
	12	10.0	126	206	25956
	13	12.5	16	214	3424

Resumo do aço

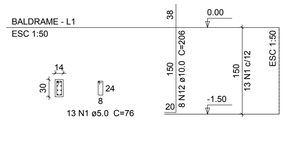
AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	366	158.9
	10.0	259.6	176
	12.5	34.3	36.3
CA60	5.0	321.8	54.5
PESO TOTAL			
CA50	371.2		
CA60	54.5		

Vol. de concreto total (C-25) = 6.49 m³
Área de forma total = 60.1 m²

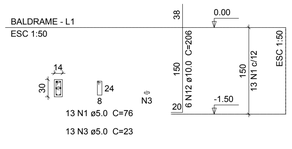
P13=P22



P15

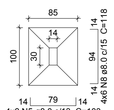


P23

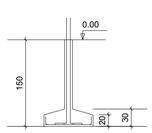


S13=S15=S22=S23

PLANTA
ESC 1:50

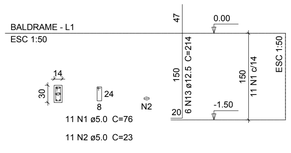


CORTE
ESC 1:50

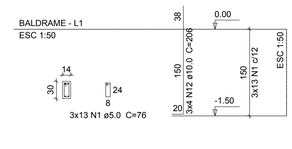


Solo com capacidade de suporte > 200.00 kN/m²

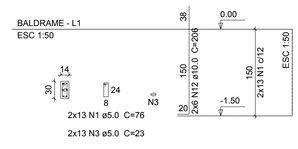
P19



P27=P35=P37

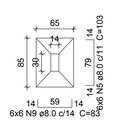


P18=P30

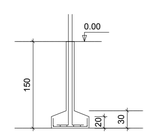


S18=S19=S27=S30=S35=S37

PLANTA
ESC 1:50

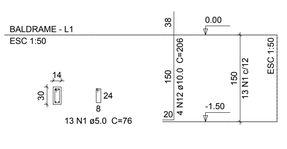


CORTE
ESC 1:50



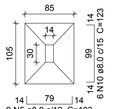
Solo com capacidade de suporte > 200.00 kN/m²

P28

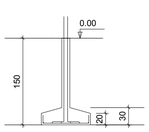


S28

PLANTA
ESC 1:50

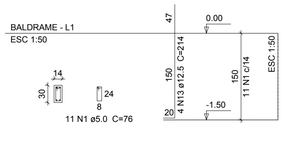


CORTE
ESC 1:50

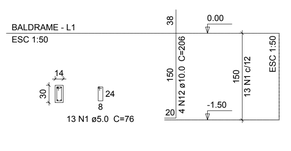


Solo com capacidade de suporte > 200.00 kN/m²

P31

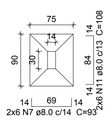


P38

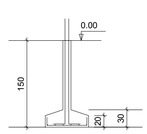


S31=S38

PLANTA
ESC 1:50

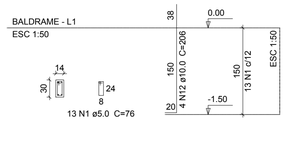


CORTE
ESC 1:50



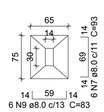
Solo com capacidade de suporte > 200.00 kN/m²

P39

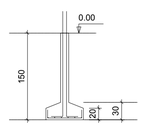


S39

PLANTA
ESC 1:50

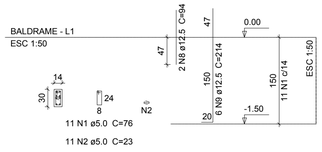


CORTE
ESC 1:50

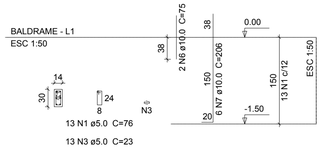


Solo com capacidade de suporte > 200.00 kN/m²

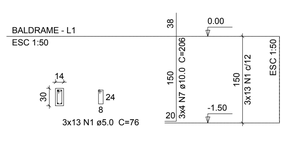
P10



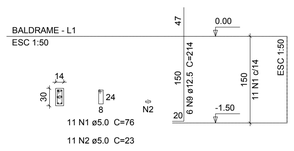
P12



P14=P17=P25

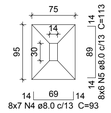


P16

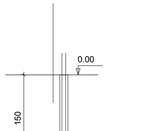


S10=S12=S14=S16=S17=S25=S29=S33

PLANTA
ESC 1:50

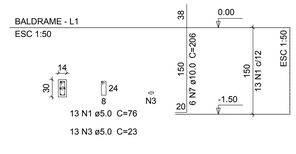


CORTE
ESC 1:50

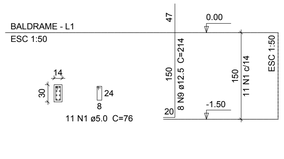


Solo com capacidade de suporte > 200.00 kN/m²

P29



P33



Relação do aço

S12

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	98	76	7448
	2	5.0	22	23	506
	3	5.0	26	23	598
CA50	4	8.0	56	93	5208
	5	8.0	48	113	5424
	6	10.0	2	75	150
	7	10.0	24	206	4944
	8	12.5	2	94	188
	9	12.5	20	214	4280

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	106.4	46.1
	10.0	51	34.5
	12.5	44.7	47.3
CA60	5.0	85.6	14.5
PESO TOTAL			
CA50	128		
CA60	14.5		

Vol. de concreto total (C-25) = 1.89 m³
Área de forma total = 16 m²

04 FUNDAÇÕES
ESCALA: 1/50

APROVAÇÃO:

Engeobra
CREA SC 158.454-0
ENGENHARIA E INFRAESTRUTURA
Rua Primo Tacca, 350, Bairro Tacca - Xanxerê- SC
E-mail:engenharia.engeobra@gmail.com Cel: (49) 9 9976-0226

OBRA: CONSTRUÇÃO CEIM - AMPLIAÇÃO 01

LOCAL: Vila Diadema

PROJETO: ESTRUTURAL

ESPECIFICAÇÕES:
- Fundações

DATA: 04/2021

DESENHO: T.L

ÁREA: 367,97m²

ESCALA: Indicada

PRANCHA: 04 /10

Projeto:

Assinado de forma digital por ENGEOBRA ENGENHARIA E INFRAESTRUTURA EIRELI:26831579000128
Dados: 2021.06.17 16:18:10 -03'00'

SAMUEL SPESSATTO OUTEIRO
Engº Civil- CREA SC 133319-7

Proprietário:

PREFEITURA MUNICIPAL DE XAXIM