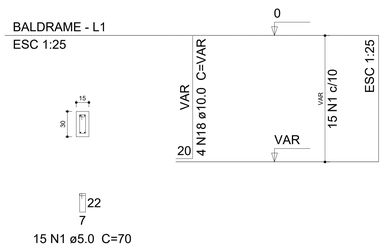
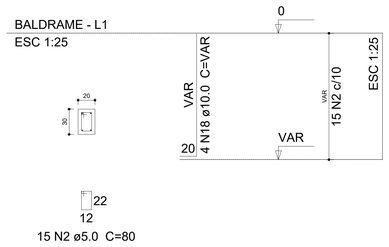
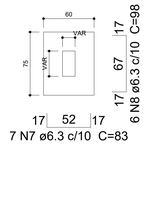
P22=P23=P24=P25=P26=P27=P28=P29=P30=P31=P35



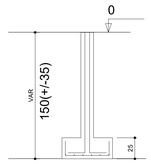


S22=S23=S24=S25=S26=S27=S28=S29=S30=S31=S32=S35

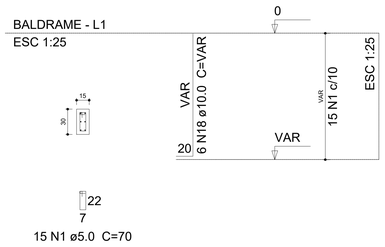
PLANTA
ESC 1:25



CORTE
ESC 1:25

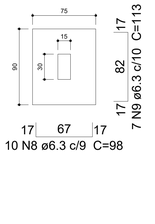


P42

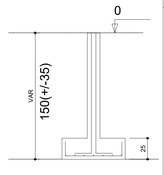


S42

PLANTA
ESC 1:25



CORTE
ESC 1:25



Relação do aço

P12	P14	P16
P21	11xP22	P32
P34	3xP37	P42
3xP44	P49	3xP58
3xP60	P100	8xS12
4xS21	12xS22	S42
4xS51	S100	

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	180	70	12600
	2	5.0	30	80	2400
	3	5.0	225	100	22500
	4	5.0	150	27	4050
	5	5.0	30	27	810
	6	5.0	15	120	1800
CA50	7	6.3	84	83	6972
	8	6.3	82	98	8036
	9	6.3	7	113	791
	10	6.3	48	108	5184
	11	6.3	32	118	3776
	12	6.3	80	138	11040
	13	6.3	13	133	1729
	14	6.3	52	128	6656
	15	8.0	72	117	8424
	16	8.0	9	127	1143
	17	8.0	44	107	4708
	18	10.0	58	VAR	VAR
	19	10.0	76	VAR	VAR
	20	12.5	26	VAR	VAR
	21	16.0	12	VAR	VAR

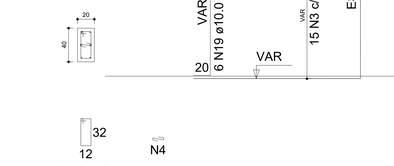
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	441.9	118.9
	8.0	142.8	62
	10.0	247.9	168.1
	12.5	54.4	57.6
	16.0	26.3	45.6
CA60	5.0	441.6	74.9

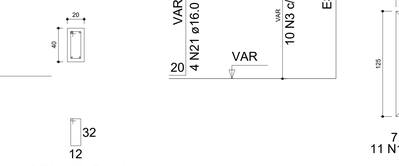
PESO TOTAL (kg)	
CA50	452.2
CA60	74.9

Volume de concreto (C-30) = 3.21 m³
Volume de concreto (C-20) = 5.93 m³
Área de forma = 76.66 m²

P21

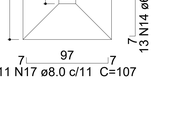


P58=P82=P90

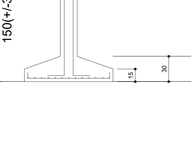


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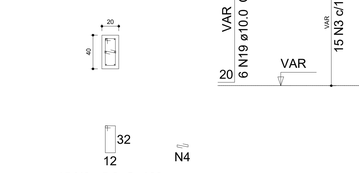
PLANTA
ESC 1:25



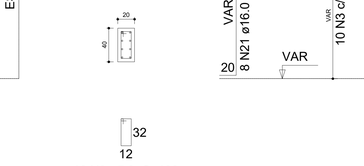
CORTE
ESC 1:25



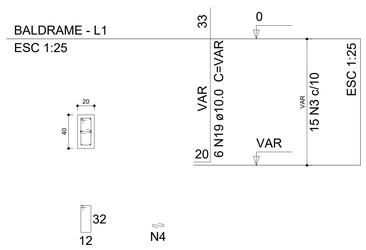
P12



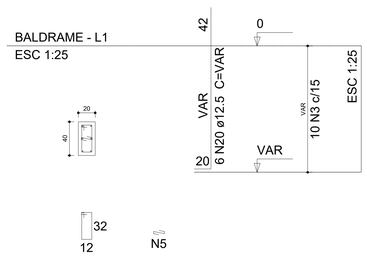
P16



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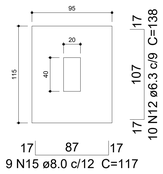


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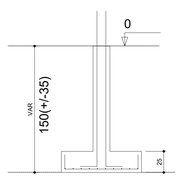


S12=S16=S44=S60=S63=S85=S93=S94

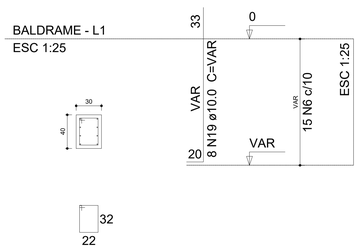
PLANTA
ESC 1:25



CORTE
ESC 1:25

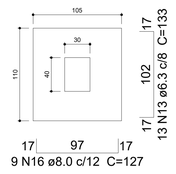


P100

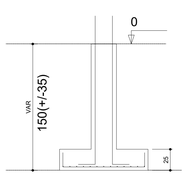


S100

PLANTA
ESC 1:25



CORTE
ESC 1:25

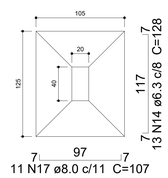


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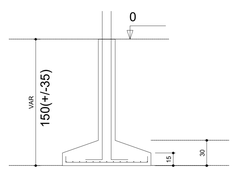
P49

S37=S49=S51=S84

PLANTA
ESC 1:25



CORTE
ESC 1:25



P14

P34

02 FUNDAÇÕES
ESCALA: 1/25

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: GINÁSIO SANTA TEREZINHA

LOCAL: Rua Achiles Biassotto, s/n, Bairro Guarany - Xaxim - SC

PROJETO: PROJETO ESTRUTURAL

ESPECIFICAÇÕES:
- Fundações

DATA: 02/2022
DESENHO: T.L
ÁREA: 3.544,73 m²
ESCALA: Indicada
PRANCHA: 02 /26

Projeto:
Assinado de forma digital por SAMUEL SPESSATTO OUTEIRO:04412294927
Dados: 2022.03.09 14:17:40 -03'00'
SAMUEL SPESSATTO OUTEIRO
Engº Civil- CREA SC 133319-7

Proprietário:
PREFEITURA MUNICIPAL DE XAXIM
CNPJ 82.854.670/0001-30