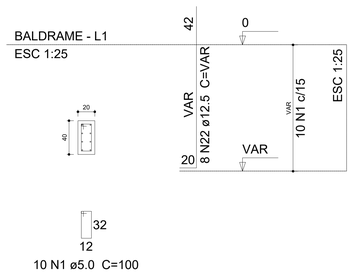
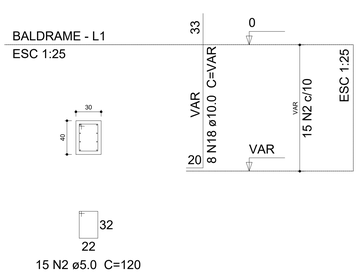
P48



10 N1 ø5.0 C=100

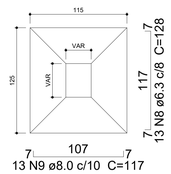
P81=P89=P97



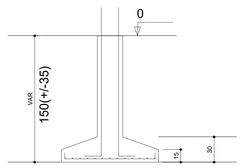
15 N2 ø5.0 C=120

S14=S34=S48=S81=S89=S97

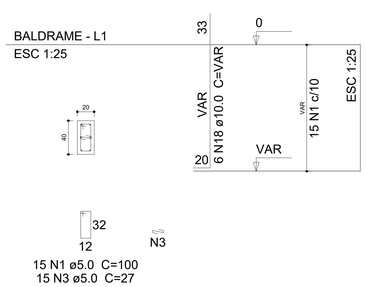
PLANTA
ESC 1:25



CORTE
ESC 1:25

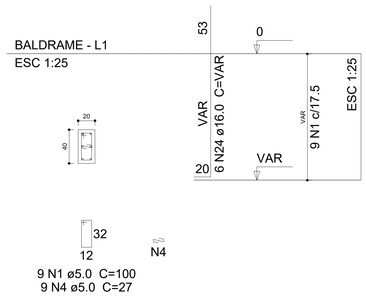


P13=P55



15 N1 ø5.0 C=100
15 N3 ø5.0 C=27

P38



9 N1 ø5.0 C=100
9 N4 ø5.0 C=27

Relação do aço

3xCálice P101	2xP13	P38
2xP45	P48	P61
3xP81	P83	P86
P87	P88	7xS38
S61	6xS81	S83
S87	3xS101	

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	108	100	10800
	2	5.0	60	120	7200
	3	5.0	90	27	2430
	4	5.0	9	27	243
	5	5.0	15	120	1800
	6	5.0	54	292	15768
	7	5.0	54	232	12528
CA50	8	6.3	78	128	9984
	9	8.0	78	117	9126
	10	8.0	105	122	12810
	11	8.0	77	142	10934
	12	8.0	14	152	2128
	13	8.0	18	137	2466
	14	8.0	15	147	2205
	15	8.0	14	162	2268
	16	8.0	63	162	10206
	17	8.0	42	192	8064
	18	10.0	68	VAR	VAR
	19	10.0	29	131	3799
	20	10.0	3	575	1725
	21	10.0	3	605	1815
	22	12.5	8	VAR	VAR
	23	12.5	12	602	7224
	24	16.0	26	VAR	VAR

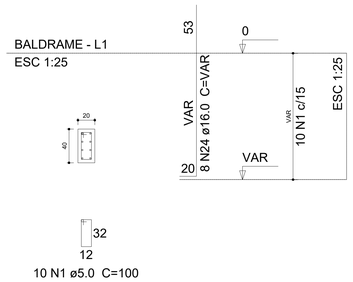
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	99.9	26.9
	8.0	602.1	261.3
	10.0	210.1	142.5
	12.5	89	94.3
	16.0	57	98.9
CA60	5.0	507.7	86.1

PESO TOTAL (kg)	
CA50	623.8
CA60	86.1

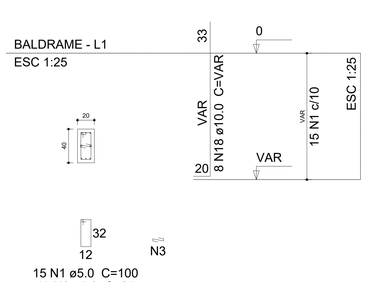
Volume de concreto (C-30) = 1.95 m³
Volume de concreto (C-20) = 10.8 m³
Área de forma = 66.49 m²

P45=P52



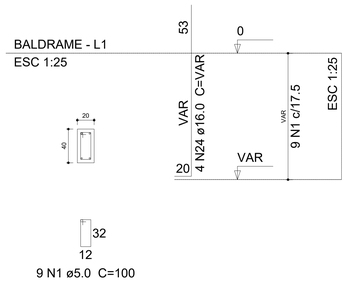
10 N1 ø5.0 C=100

P86



15 N1 ø5.0 C=100
15 N3 ø5.0 C=27

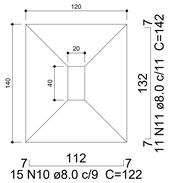
P88



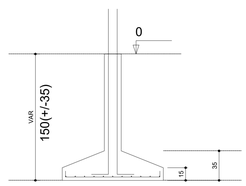
9 N1 ø5.0 C=100

S13=S38=S45=S52=S55=S86=S88

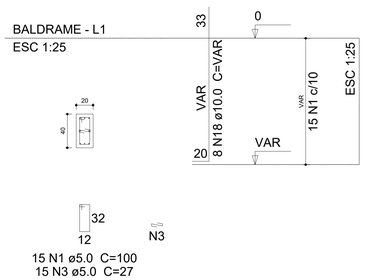
PLANTA
ESC 1:25



CORTE
ESC 1:25



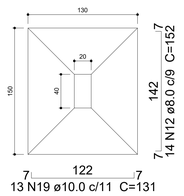
P87



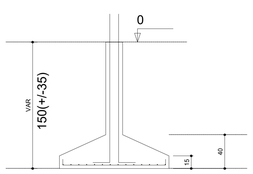
15 N1 ø5.0 C=100
15 N3 ø5.0 C=27

S87

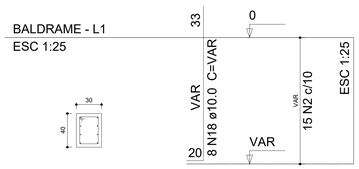
PLANTA
ESC 1:25



CORTE
ESC 1:25



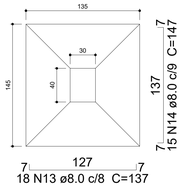
P83



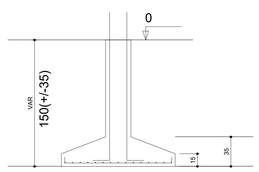
15 N2 ø5.0 C=120

S83

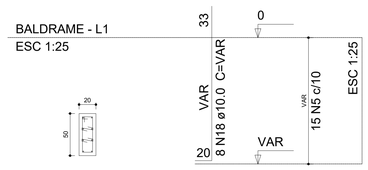
PLANTA
ESC 1:25



CORTE
ESC 1:25



P61



15 N5 ø5.0 C=120
30 N3 ø5.0 C=27

Engeobra
CREA SC 158.454-0
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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: 03 /26

Projeto: Assinado de forma digital por SAMUEL SPESSATTO OUTEIRO:04412294927 Dados: 2022.03.09 14:16:28 -03'00'

SAMUEL SPESSATTO OUTEIRO
Engº Civil- CREA SC 133319-7

Proprietário:

PREFEITURA MUNICIPAL DE XAXIM
CNPJ:82.854.670/0001-30

03 FUNDAÇÕES
ESCALA: 1/25