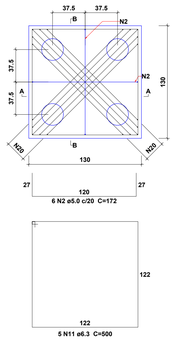
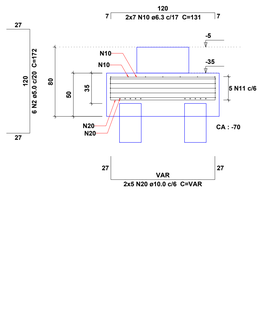
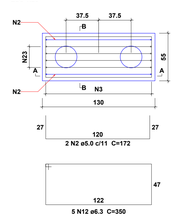
B1
4xR20
PLANTA
ESC 1:25



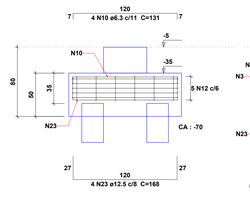
CORTE A-A = CORTE B-B
ESC 1:25



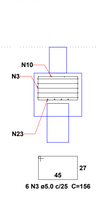
B2=B3=B8=B9
2xR20
PLANTA
ESC 1:25



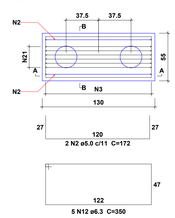
CORTE A-A
ESC 1:25



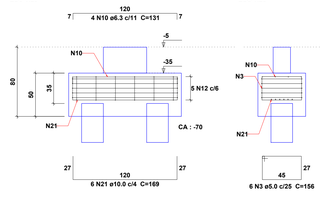
CORTE B-B
ESC 1:25



B4
2xR20
PLANTA
ESC 1:25

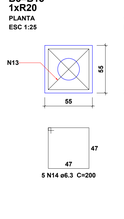


CORTE A-A
ESC 1:25

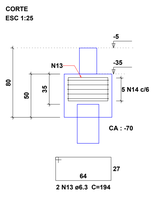


CORTE B-B
ESC 1:25

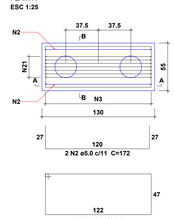
B5=B15
1xR20
PLANTA
ESC 1:25



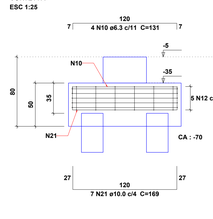
CORTE
ESC 1:25



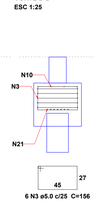
B10
2xR20
PLANTA
ESC 1:25



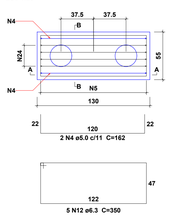
CORTE A-A
ESC 1:25



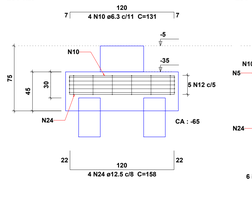
CORTE B-B
ESC 1:25



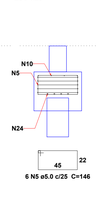
B11
2xR20
PLANTA
ESC 1:25



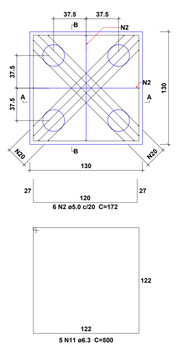
CORTE A-A
ESC 1:25



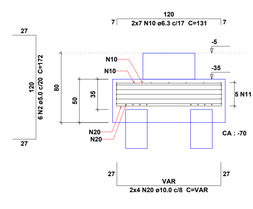
CORTE B-B
ESC 1:25



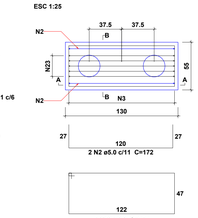
B12
4xR20
PLANTA
ESC 1:25



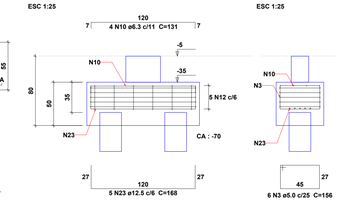
CORTE A-A = CORTE B-B
ESC 1:25



B13
2xR20
PLANTA
ESC 1:25

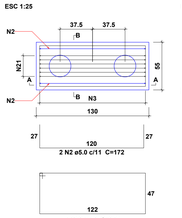


CORTE A-A
ESC 1:25

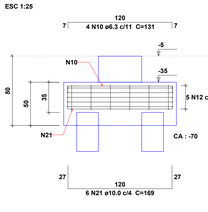


CORTE B-B
ESC 1:25

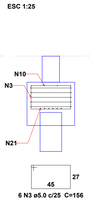
B14
2xR20
PLANTA
ESC 1:25



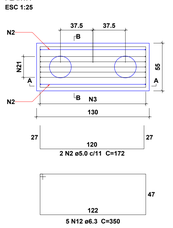
CORTE A-A
ESC 1:25



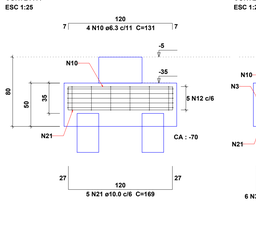
CORTE B-B
ESC 1:25



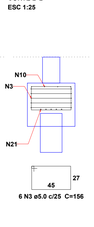
B18=B35=B46
2xR20
PLANTA
ESC 1:25



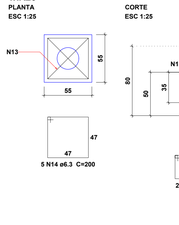
CORTE A-A
ESC 1:25



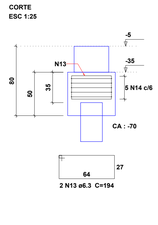
CORTE B-B
ESC 1:25



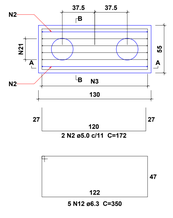
B19=B20=B21
1xR20
PLANTA
ESC 1:25



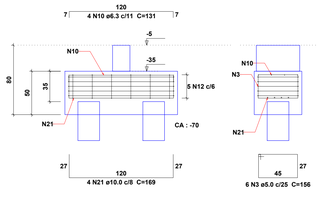
CORTE
ESC 1:25



B22
2xR20
PLANTA
ESC 1:25

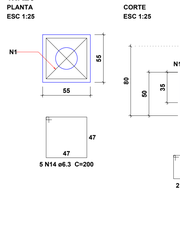


CORTE A-A
ESC 1:25

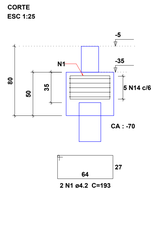


CORTE B-B
ESC 1:25

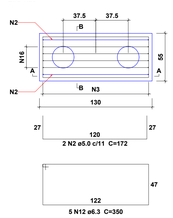
B23=B59=B64=B65=B66=B70
1xR20
PLANTA
ESC 1:25



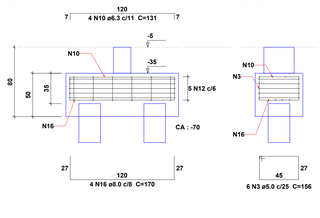
CORTE
ESC 1:25



B24
2xR20
PLANTA
ESC 1:25

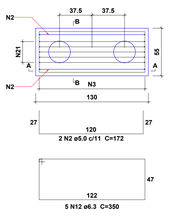


CORTE A-A
ESC 1:25

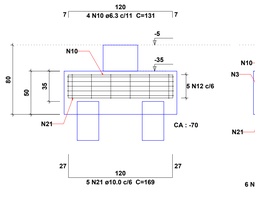


CORTE B-B
ESC 1:25

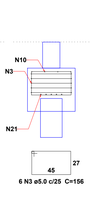
B25
2xR20
PLANTA
ESC 1:25



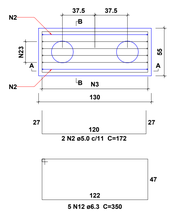
CORTE A-A
ESC 1:25



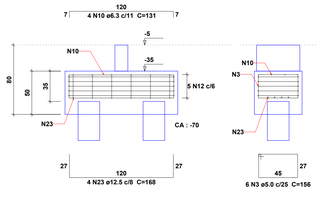
CORTE B-B
ESC 1:25



B26=B27=B32=B33
2xR20
PLANTA
ESC 1:25

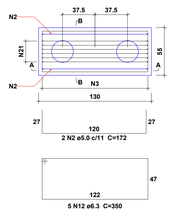


CORTE A-A
ESC 1:25

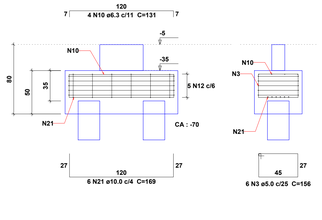


CORTE B-B
ESC 1:25

B28=B45
2xR20
PLANTA
ESC 1:25

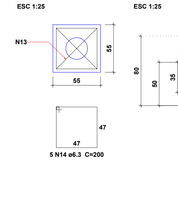


CORTE A-A
ESC 1:25

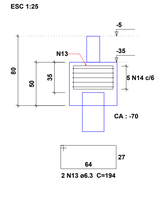


CORTE B-B
ESC 1:25

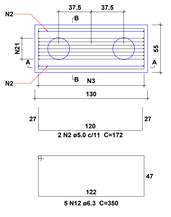
B29=B40
1xR20
PLANTA
ESC 1:25



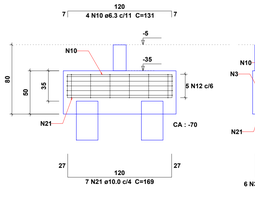
CORTE
ESC 1:25



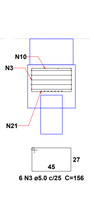
B34
2xR20
PLANTA
ESC 1:25



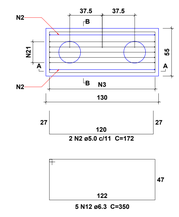
CORTE A-A
ESC 1:25



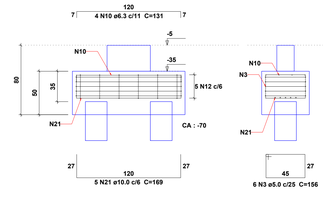
CORTE B-B
ESC 1:25



B36
2xR20
PLANTA
ESC 1:25

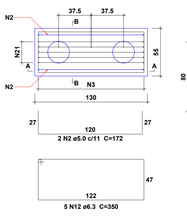


CORTE A-A
ESC 1:25

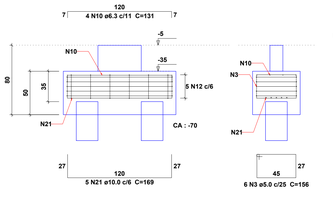


CORTE B-B
ESC 1:25

B37=B38=B43=B44
2xR20
PLANTA
ESC 1:25

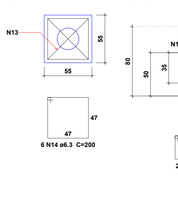


CORTE A-A
ESC 1:25

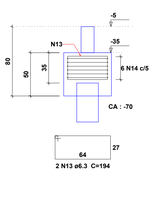


CORTE B-B
ESC 1:25

B39
1xR20
PLANTA
ESC 1:25



CORTE
ESC 1:25



Relação do aço

B1	B4	4xB9
B10	B11	B12
B13	B14	2xB15
3xB21	B22	B24
B25	4xB33	B34
B36	B39	2xB40
4xB44	2xB45	3xB46
B50	2xB52	B53
B54	B56	B57
B58	4xB60	B61
B62	B63	B67
B68	B69	B6-7
6xB70	B16-17	B30-31
B41-42		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	4.2	22	193	4246
	2	5.0	90	172	15480
	3	5.0	198	156	30888
	4	5.0	2	162	324
	5	5.0	6	146	876
	6	5.0	6	194	1164
	7	5.0	2	265	530
	8	5.0	15	206	3090
	9	5.0	2	190	380
CA50	10	6.3	164	131	21484
	11	6.3	10	500	5000
	12	6.3	174	350	60900
	13	6.3	26	194	5044
	14	6.3	138	200	27600
	15	6.3	4	500	2000
	16	8.0	4	170	680
	17	8.0	5	209	1045
	18	8.0	5	220	1100
	19	8.0	3	134	402
	20	10.0	18	VAR	VAR
	21	10.0	104	169	17576
	22	10.0	7	294	2058
	23	12.5	56	168	9408
	24	12.5	4	158	632

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	1220.3	328.5
	8.0	32.3	14
	10.0	226.8	153.8
	12.5	100.4	106.4
CA60	4.2	42.5	5.1
	5.0	527.4	89.4

PESO TOTAL (kg)	
CA50	602.7
CA60	94.5

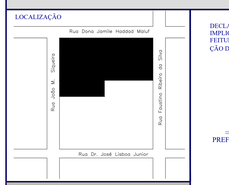
Volume de concreto (C-25) = 18.48 m³
Área de forma = 104.29 m²

PROJETO EXECUTIVO
DETALHAMENTO - BLOCOS DE FUNDAÇÃO

FOLHA: 06/15

ASSUNTO:PROJETO PARA REFORMA E AMPLIAÇÃO DE ESCOLA
PROPRIETÁRIO: Prefeitura Municipal de Piratininga
LOCAL: EMEF Profª. Neuza Franzolin Soares
ENDEREÇO: Rua Margarido Pires, nº 30 - Centro - Piratininga/SP

LOCALIZAÇÃO



DECLARO QUE A APROVAÇÃO DO PROJETO NÃO IMPLICA RECONHECIMENTO POR PARTE DA PREFEITURA DO DIREITO DE PROPRIEDADE E SITUAÇÃO DO TERRENO

PREFEITURA MUNICIPAL DE PIRATININGA
CNPJ Nº 46.137.451/0001-76

QUADRO DE ÁREAS (M2):

DO TERRENO	2.124,11 m²
DA CONSTRUÇÃO:	
EXISTENTE:	505,62 m²
AMPLIAÇÃO:	919,24 m²
QUADRA COBERTA:	442,62 m²
TOTAL:	1.867,48 m²

RESPONSÁVEL TÉCNICO
OTAVIO CABRAL DA SILVA
CREA/SP: 5069966987

PREFEITURA MUNICIPAL DE PIRATININGA
PRAÇA Dr. MÁRIO RIBEIRO DA SILVA Nº 14
FONES /FAX (14) 32659530
CEP 17490-000-CNPJ 46.137.451/0001-76

ART:	DES.: Engº Otavio Cabral da Silva	DATA: MAIO/2022