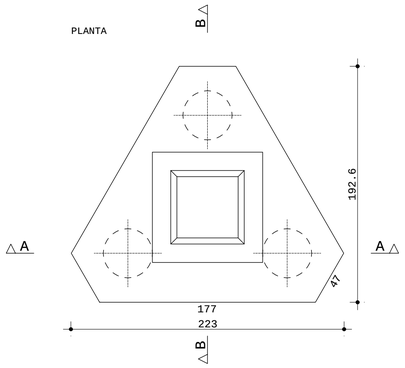
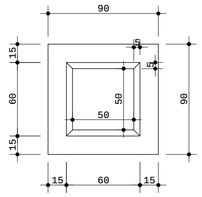
FP4
B211/B218/B219/B227/B247/B248/B249/B250/B214/B210/B212/B213/B215/B222/B230/B233/B236/B239/B246/B251

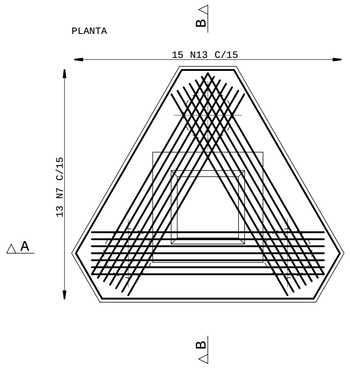
(CÁLICE RUGOSO)
(ESCALA 1:25)

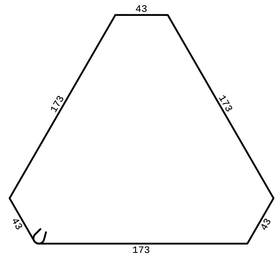
PLANTA



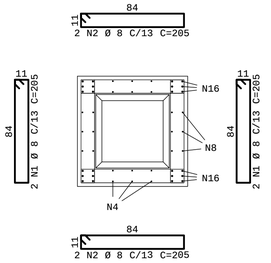


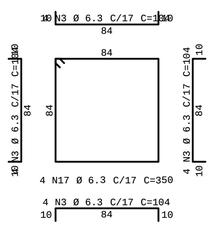
PLANTA



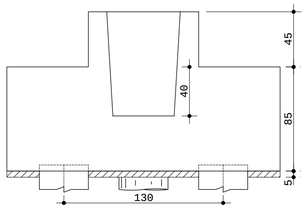


4 N12 Ø 12.5 C/20 C=672

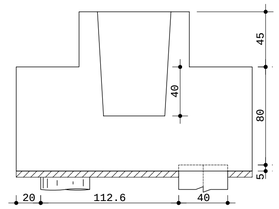




CORTE A-A



CORTE B-B



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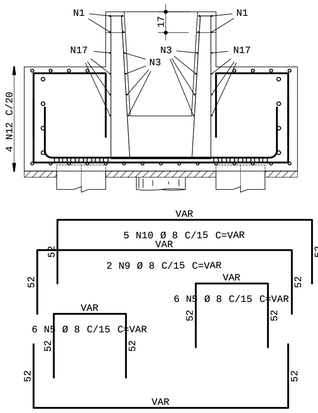
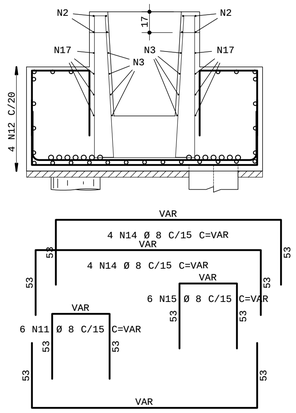
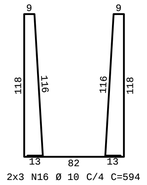


13 N7 Ø 8 C/15 C=VAR

CORTE B-B

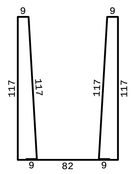


15 N13 Ø 8 C/15 C=VAR

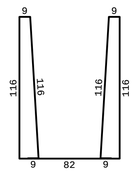


2x3 N16 Ø 10 C/4 C=594

3x7 N6 Ø 16 C=271



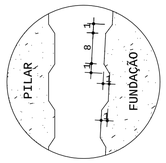
3 N8 Ø 6.3 C/16 C=586



3 N4 Ø 6.3 C/16 C=582

DET. RUGOSIDADE

Medidas em cm



FONTE/ ALVENARIA DE BASE

CDHU

ENG. FERNANDO AREVALILLO LLATA	SUP. PROJETOS	
ARQ°. ANA MARIA ANTUNES COELHO	GERENTE	
ARQ. LUIZ GUSTAVO DELLA NOCE	LÍDER	
ARQ. ALBERTO BUNDUKI	GESTOR	RRT SI10439392100

APOIO CDHU

JHE		
ENG. LUIZ ROBERTO GUIMARÃES	COORDENADOR	ART 28027230210176583
JHE + GEPRO		
ENG. GERRIVAN DE OLIVEIRA	DESENVOLVIMENTO	ART 28027230211455797

LEGENDA / NOTAS

AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
FP4 (X20)					
50A	1	8	80	205	16400
50A	2	8	80	205	16400
50A	3	6.3	320	104	33280
50A	4	6.3	60	582	34920
50A	5	8	240	--VAR-	34320
50A	6	16	420	271	113820
50A	7	8	260	--VAR-	63700
50A	8	6.3	60	586	35160
50A	9	8	40	--VAR-	11800
50A	10	8	100	--VAR-	18500
50A	11	8	120	--VAR-	15960
50A	12	12.5	80	672	53760
50A	13	8	300	--VAR-	68100
50A	14	8	160	--VAR-	33920
50A	15	8	120	--VAR-	19440
50A	16	10	120	594	71280
50A	17	6.3	80	350	28000

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
50A	6.3	1314	322
50A	8	2985	1179
50A	10	713	440
50A	12.5	538	518
50A	16	1138	1796
Peso Total+10%		50A =	4681 kgf

NOTAS :

1 - MEDIDAS EM CENTÍMETRO, NÍVEIS EM METRO
2 - CARACTERÍSTICAS DO CONCRETO ESTRUTURAL:
CONCRETO MOLDADO IN LOCO - fck≥ 30 MPa Ecs ≥26,1 GPa;
3 - CONFIRMAR MEDIDAS NA OBRA;
4 - COBRIMENTO = 3 CM.

REVISÕES (DISCRIMINAÇÃO)	Nº	DATA	RUBRICA

CDHU Companhia de Desenvolvimento Habitacional e Urbano

Rua Boa Vista,170 . São Paulo . Tel.2505.2000 . CNPJ 47.865.597/0001-09

CONTRATO
SECRETARIA DE DESENVOLVIMENTO ECONÔMICO

PROJETO
SDE_074-ETEC JOSÉ MARTIMIANO DA SILVA
REFORMA E AMPLIAÇÃO

ENDEREÇO / MUNICÍPIO
R. Tamandaré,520-Campos Elíseos-Ribeirão Preto

DISCIPLINA: ESTRUTURA | ÁREA: EST | FOLHA: 219/254

ASSUNTO
ESTRUTURA DE CONCRETO
PROJETO EXECUTIVO
ARMAÇÃO DOS BLOCOS COM CÁLICE 2/5
BLOCO PEDAGOGICO

ESCALA GRÁFICA: 0 1 2 3 (m) | ESCALA NOMINAL: 1:25 | DATA: OUT/2021

ESPAÇO PARA APROVAÇÃO

CÓDIGO CDHU EMPREENDIMENTO

Projeto						Região		Município		Versão	Etapa do Projeto	
0	0	0	6	5	0	6		1	3	0	P	E