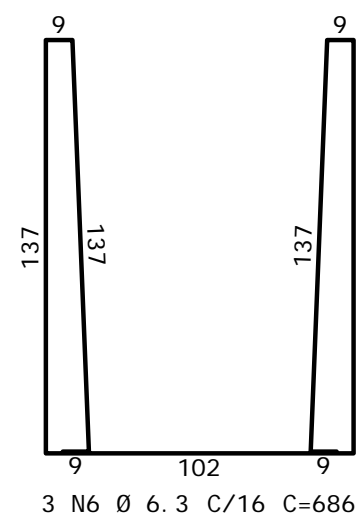
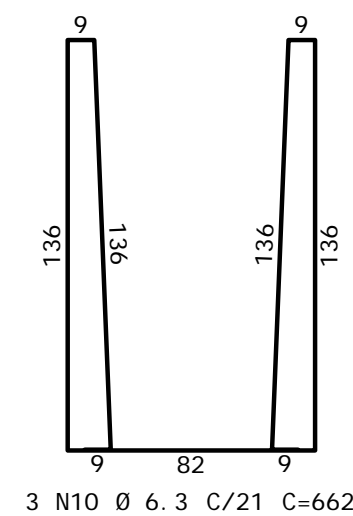
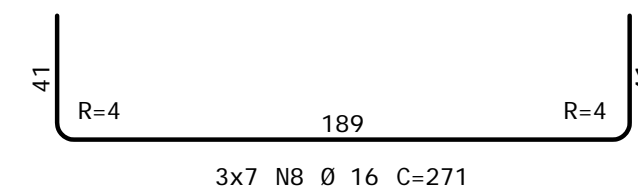
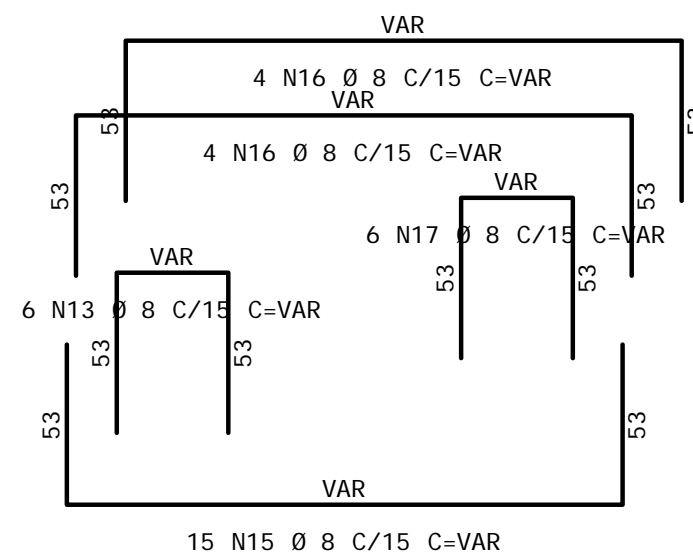
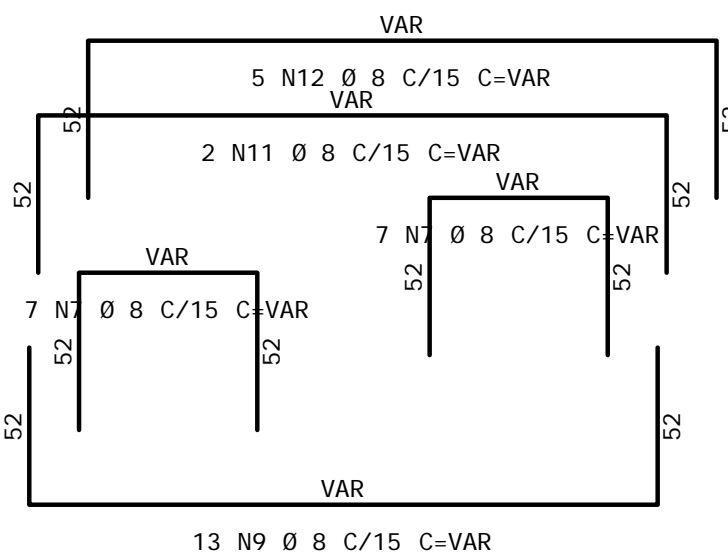
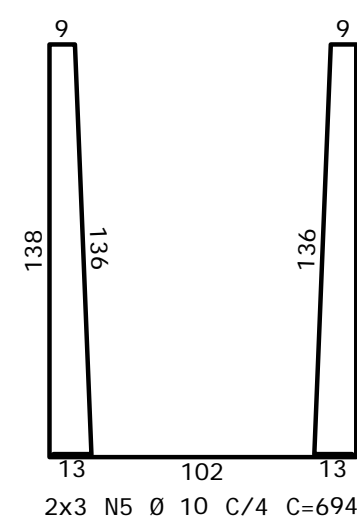
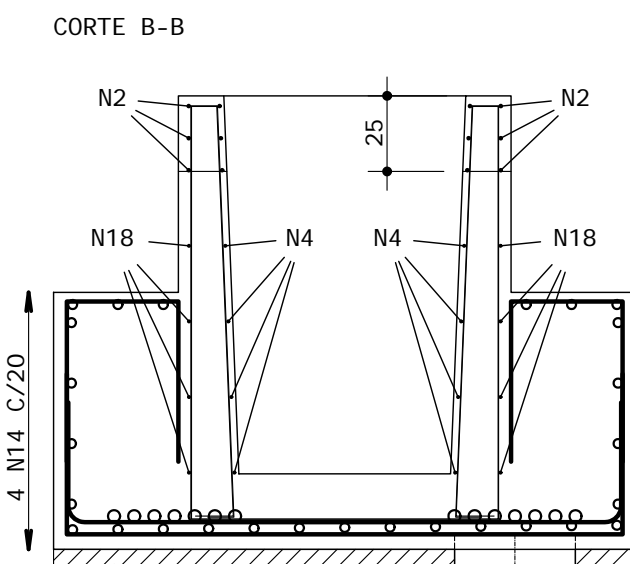
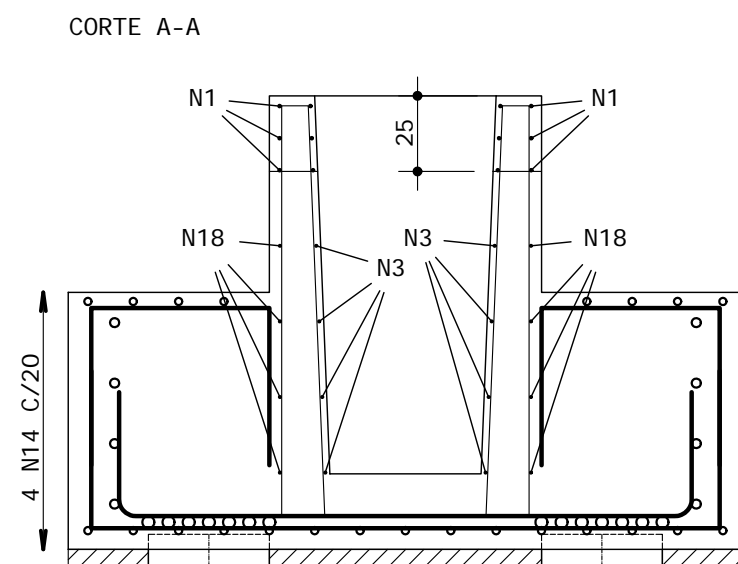
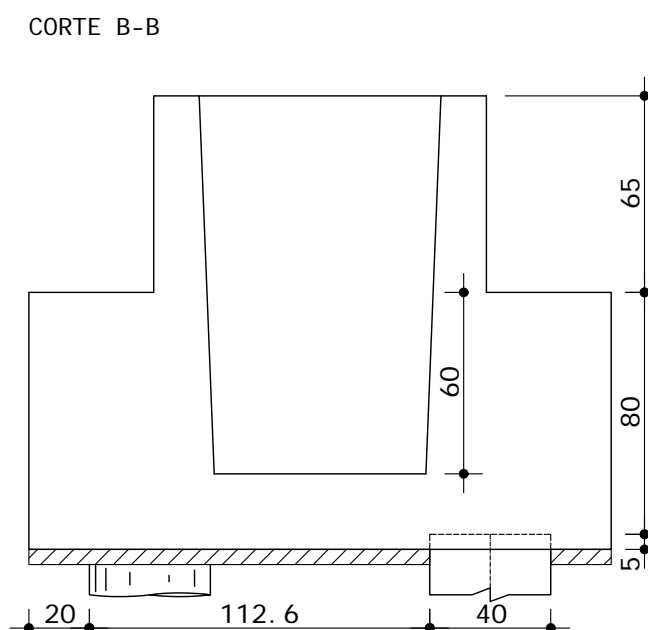
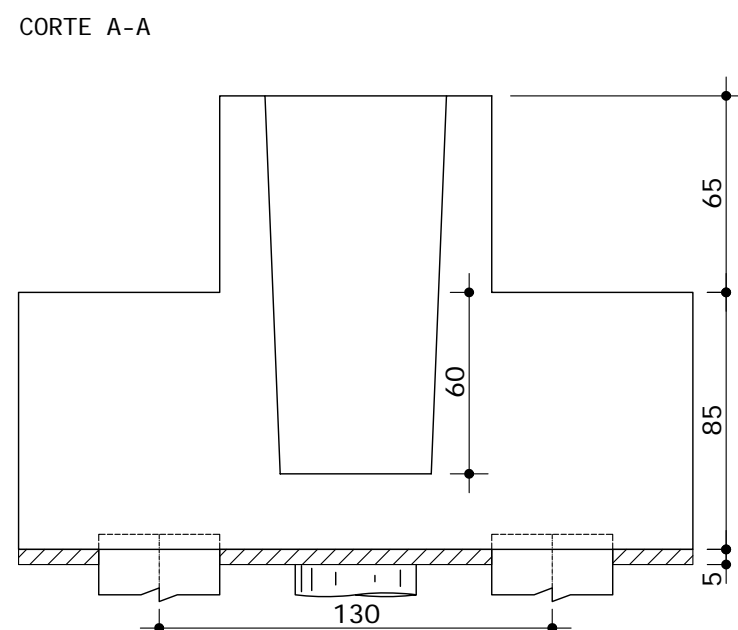
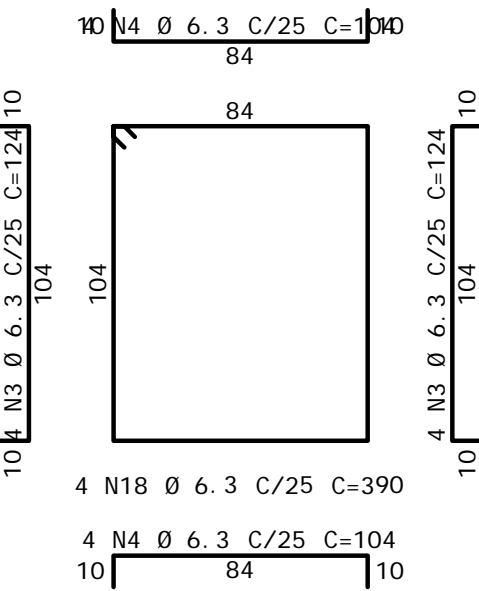
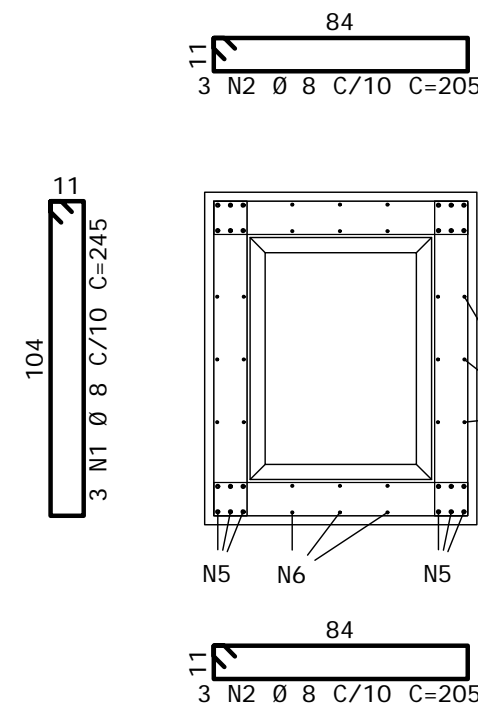
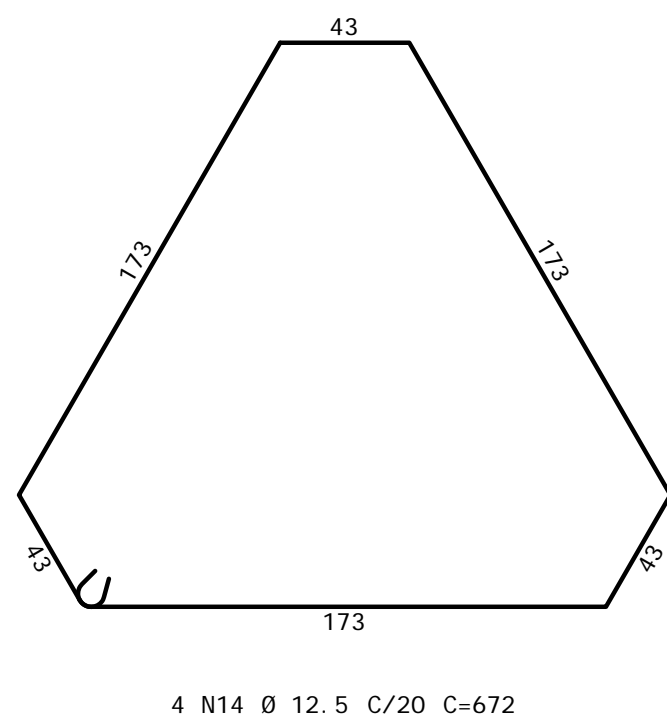
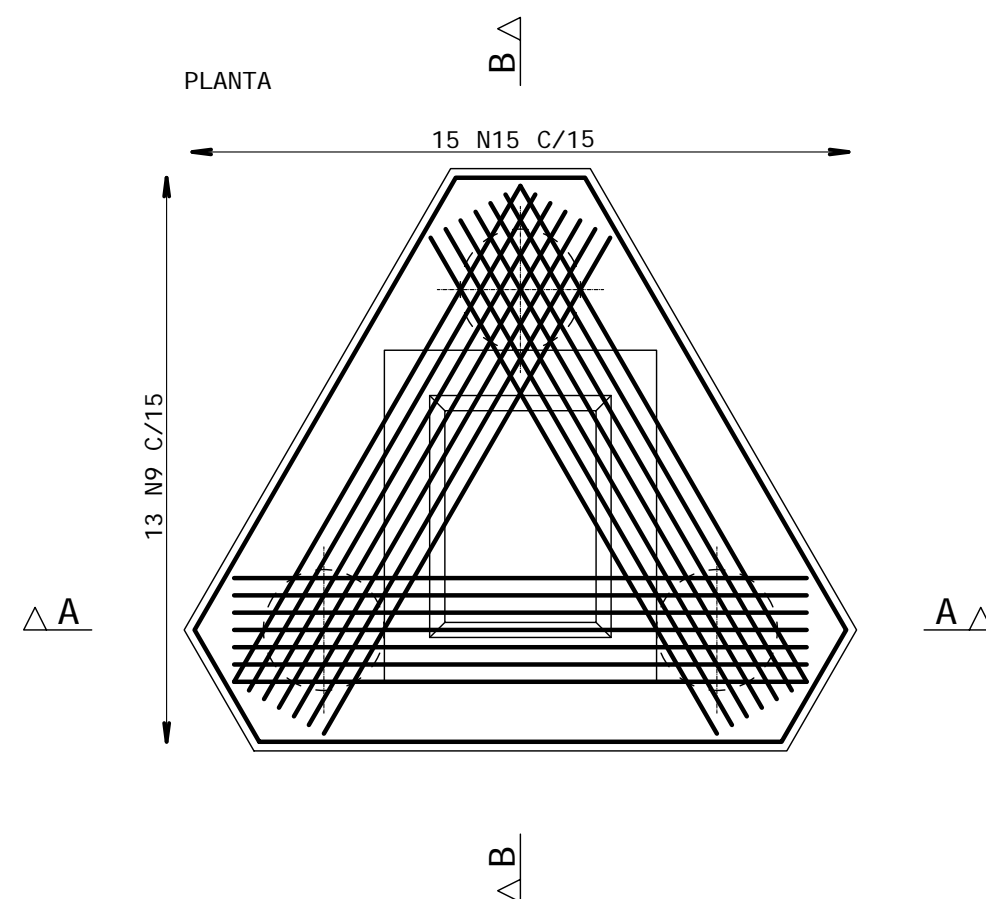
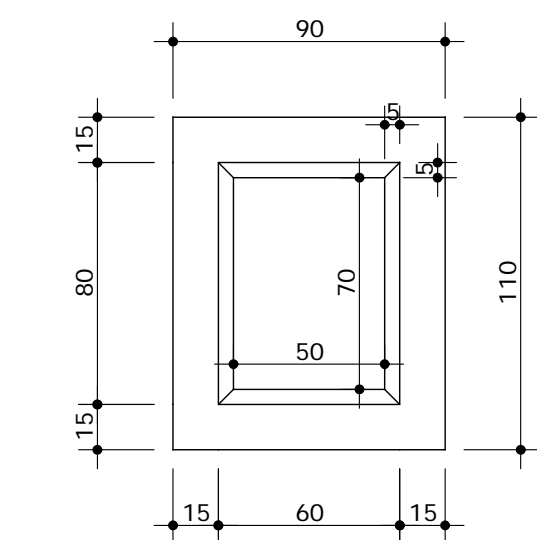
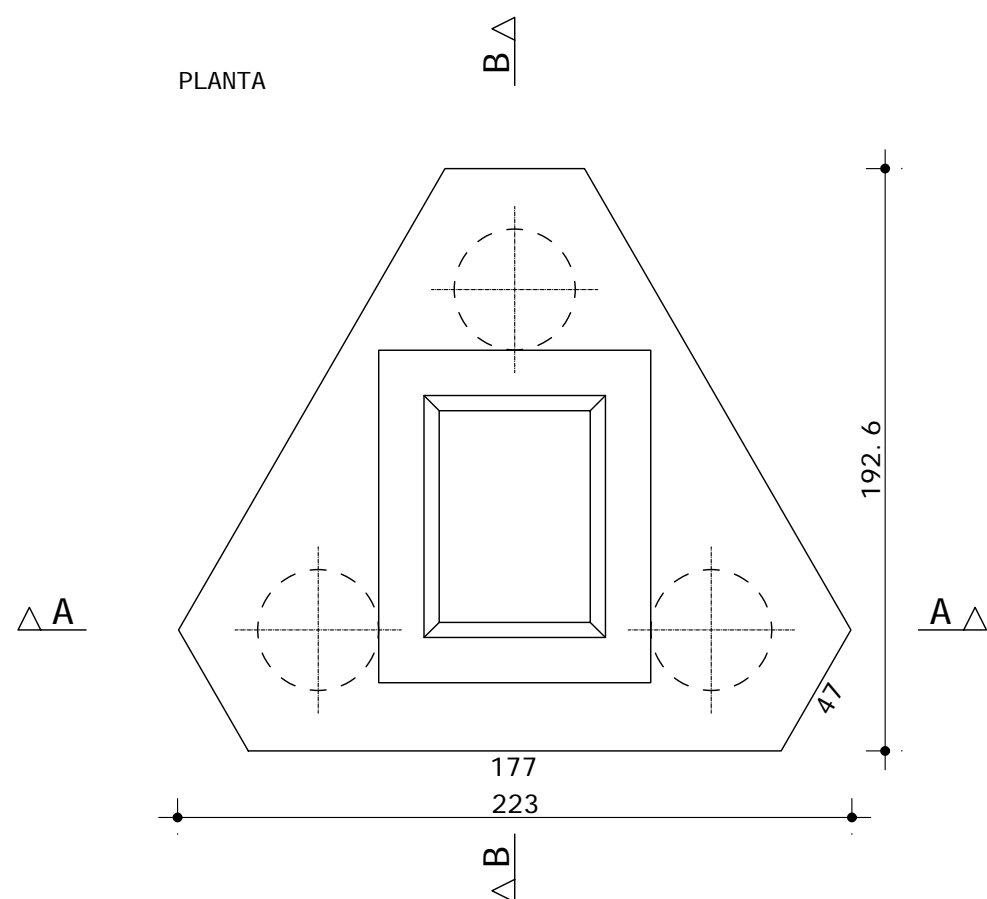


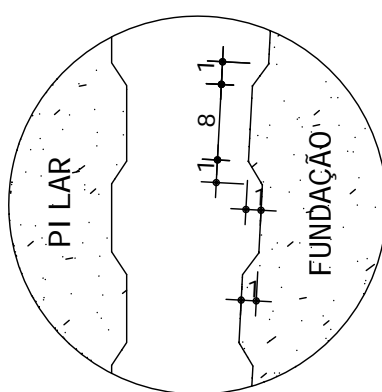
FP3
B204/B209/B216/B221/B228/B229/B234/B235/B240/B245/B252/B256/B257/B205

(CÁLCULO RUGOSO)
(ESCALA 1:25)



DET. RUGOSI DADE

Medidas em cm



CDHU	
ENG. FERNANDO AREVALILLO LLATA	SUP. PROJETO
ARO*. ANA MARIA ANTUNES COELHO	GERENTE
ARO. LUIZ GUSTAVO DELLA NOCE	LIDER
ARO. ALBERTO BUNDUKI	GESTOR
	RRT SI10439392100
APOIO CDHU	
JHE	
ENG. LUIZ ROBERTO GUIMARÃES	COORDENADOR
JHE + CEPRO	ART 28027230210176583
ENG. GERIVAN DE OLIVEIRA	DESENVOLVIMENTO
	ART 28027230211455797
LEGENDA / NOTAS	

	AÇO	POS	BIT	QUANT	COMPRIMENTO	
					UNI T	TOTAL
			mm		cm	cm
FP3	(X14)					
	50A	1	8	84	245	20580
	50A	2	8	84	205	17220
	50A	3	6,3	112	124	13888
	50A	4	6,3	104	104	11648
	50A	5	10	84	694	58296
	50A	6	6,3	42	686	28812
	50A	7	8	196	-VAR-	28420
	50A	8	16	294	271	79674
	50A	9	8	182	-VAR-	44590
	50A	10	6,3	42	662	27804
	50A	11	8	28	-VAR-	8092
	50A	12	8	70	-VAR-	12530
	50A	13	8	84	-VAR-	10332
	50A	14	12,5	56	672	37632
	50A	15	8	210	-VAR-	47670
	50A	16	8	112	-VAR-	23744
	50A	17	8	84	8	12768
	50A	18	6,3	56	390	21840

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
50A	6.3	1040	255
50A	8	2259	892
50A	10	583	360
50A	12.5	376	362
50A	16	797	1257
Peso Total +10%		50A =	3440 kgf

NOTAS :

- 1- MEDIDAS EM CENTÍMETRO, NÍVEIS EM METRO
- 2- CARACTERÍSTICAS DO CONCRETO ESTRUTURAL:
CONCRETO MOLDADO IN LOCO - $f_{ck} \geq 30$ MPa $E_{cs} \geq 26,1$ GPa;
- 3- CONFIRMAR MEDIDAS NA OBRA;
- 4- COBRIMENTO = 3 CM.

REVISÕES (DISCRIMINAÇÃO)	Nº	DATA	RUBRICA

CONTRATO
SECRETARIA DE DESENVOLVIMENTO ECONÔMICO

PROJETO

SDE_074-ETEC JOSÉ MARTIMIANO DA SILVA


REFORMA E AMPLIAÇÃO

R. Tamandaré, 520 – Campos Elíseos – Ribeirão Preto

DISCIPLINA	ÁREA	FOLHA
ESTRUTURA	EST	218/254

ASSUNTO

ESTRUTURA DE CONCRETO
PROJETO EXECUTIVO
ARMAÇÃO DOS BLOCOS COM CÁLICE 1/5
BLOCO PEDAGÓGICO

ESCALA GRÁFICA	ESCALA NOMINAL	DATA
 0 1 2 3 (m)	1:50	OUT/2021
ESPAÇO PARA APROVAÇÃO		

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