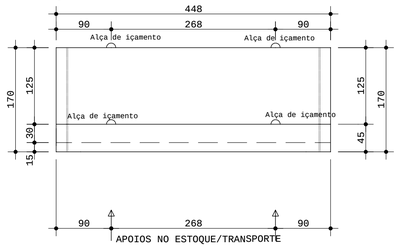
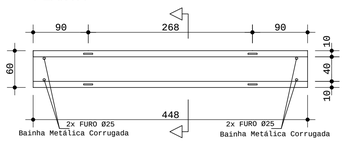
VP102

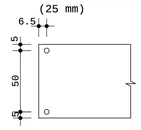
ELEVAÇÃO



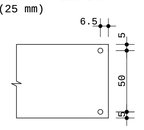
PLANTA



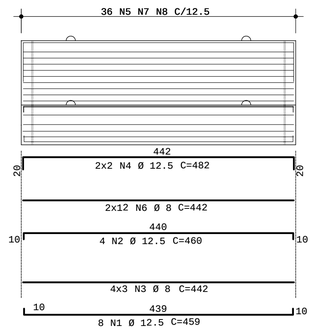
FUROS INICIAIS (25 mm)

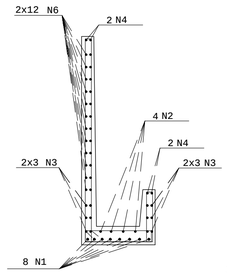


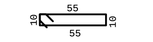
FUROS FINAIS (25 mm)



VP102

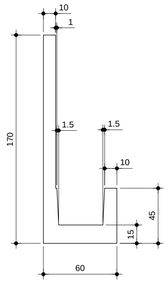


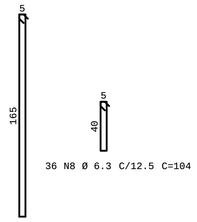




36 N5 Ø 6.3 C/12.5 C=156

SEÇÃO





36 N8 Ø 6.3 C/12.5 C=104

36 N7 Ø 6.3 C/12.5 C=354

Pavimento	Quant	Volume unit	Volume total	Peso unit	Peso total
Cobertura(1x)	14	1.325	18.554	3.313	46.387
TOTAIS	14		18.554		46.387

	AÇO	POS	BIT	QUANT	COMPRIMENTO	
					UNIT	TOTAL
			mm		cm	cm
VP102	(X14)					
	50A	1	12.5	112	459	51408
	50A	2	12.5	56	460	25760
	50A	3	8	168	442	74256
	50A	4	12.5	56	482	26992
	50A	5	6.3	504	156	78624
	50A	6	8	336	442	148512
	50A	7	6.3	504	354	178416
	50A	8	6.3	504	104	52416

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
50A	6.3	3095	758
50A	8	2228	880
50A	12.5	1042	1003
Peso Total+10%		50A =	2905 kgf

FONTE / DADOS 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

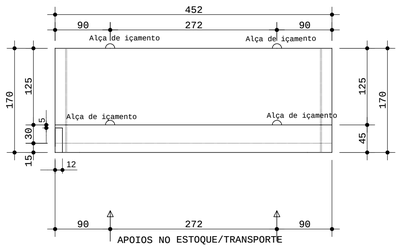
LEGENDA / NOTAS

NOTAS :

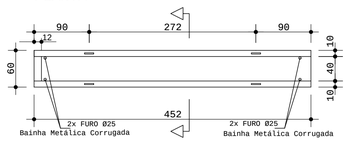
1 - MEDIDAS EM MILÍMETRO, NÍVEIS EM METRO
2 - CARACTERÍSTICAS DO CONCRETO ESTRUTURAL (CAA II):
VIGAS PRÉ FABRICADAS - fck≥ 40 MPa Ecs ≥30,1 GPa;
PILARES PRÉ FABRICADOS - fck≥ 40 MPa Ecs ≥30,1 GPa;
CONCRETO MOLDADO IN LOCO - fck≥ 30 MPa Ecs ≥26,1 GPa;
3- EXECUTAR O GRAUTEAMENTO DA INTERFACE DAS VIGAS, PILARES E LAJES ALVEOLARES COM O MATERIAL:
GRAUTE:
– fgk ≥ 40 MPa.
– ISENTO DE RETRAÇÃO.
– FLUIDEZ ADEQUADA PARA PERFEITO PREENCHIMENTO DO VÃO ENTRE OS ELEMENTOS.
4- ELASTÔMERO SIMPLES e=10mm, DUREZA 70 SHORE-A.
5 - COBRIMENTO = 2,5 CM.

VP101

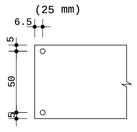
ELEVAÇÃO



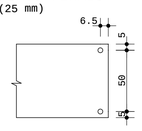
PLANTA



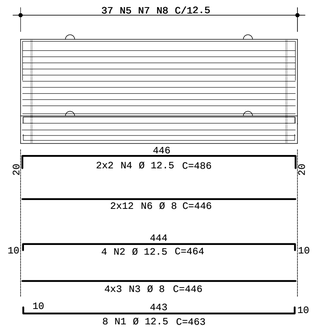
FUROS INICIAIS (25 mm)



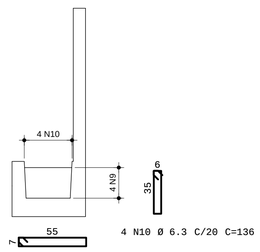
FUROS FINAIS (25 mm)



VP101

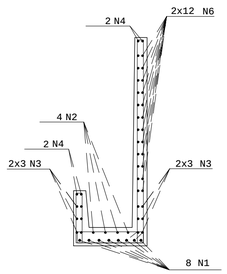


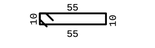
ARMAÇÃO EXTREMIDADE ESQUERDA



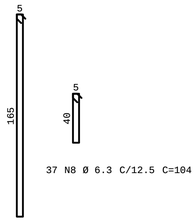
4 N10 Ø 6.3 C/20 C=136

4 N9 Ø 6.3 C/20 C=138





37 N5 Ø 6.3 C/12.5 C=156



37 N8 Ø 6.3 C/12.5 C=104

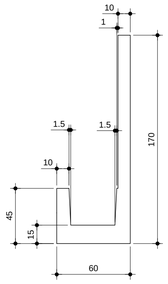
37 N7 Ø 6.3 C/12.5 C=354

Pavimento	Quant	Volume unit	Volume total	Peso unit	Peso total
Cobertura(1x)	2	1.325	2.650	3.313	6.626
TOTAIS	2		2.650		6.626

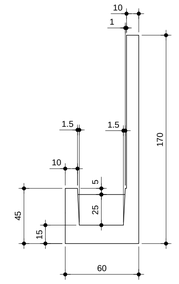
	AÇO	POS	BIT	QUANT	COMPRIMENTO	
					UNIT	TOTAL
			mm		cm	cm
VP101	(X2)					
	50A	1	12.5	16	463	7408
	50A	2	12.5	8	464	3712
	50A	3	8	24	446	10704
	50A	4	12.5	8	486	3888
	50A	5	6.3	74	156	11544
	50A	6	8	48	446	21408
	50A	7	6.3	74	354	26196
	50A	8	6.3	74	104	7696
	50A	9	6.3	8	138	1104
	50A	10	6.3	8	136	1088

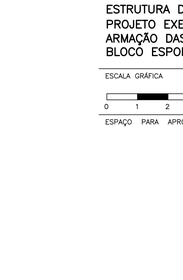
RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
50A	6.3	476	117
50A	8	321	127
50A	12.5	150	145
Peso Total+10%		50A =	427 kgf

SEÇÃO



SEÇÃO EXTREMIDADE ESQUERDA





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 | FOLHA: EST 420/423

ASSUNTO
ESTRUTURA DE CONCRETO
PROJETO EXECUTIVO
ARMAÇÃO DAS VIGAS PRÉ–MOLDADAS 5/7
BLOCO ESPORTIVO

ESCALA GRÁFICA: 0 1 2 3 (m) | ESCALA NOMINAL: 1:50 | 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