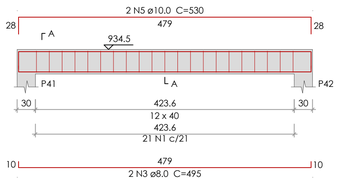
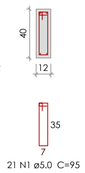
V501 (12 x 40)
ESC 1:50

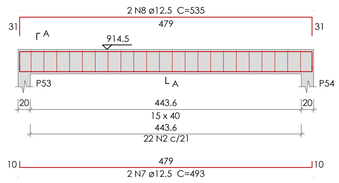


SEÇÃO A-A
ESC 1:25

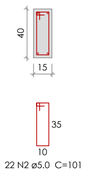


21 N1 ø5.0 C=95

V502 (15 x 40)
ESC 1:50

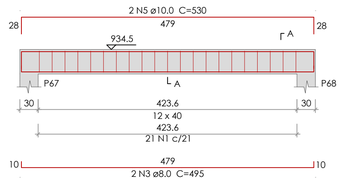


SEÇÃO A-A
ESC 1:25

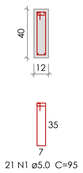


22 N2 ø5.0 C=101

V503 (12 x 40)
ESC 1:50

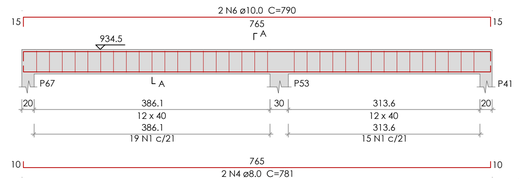


SEÇÃO A-A
ESC 1:25

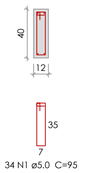


21 N1 ø5.0 C=95

V504 (12 x 40)
ESC 1:50

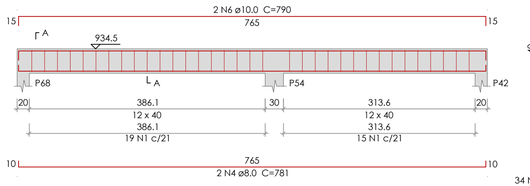


SEÇÃO A-A
ESC 1:25

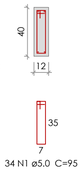


34 N1 ø5.0 C=95

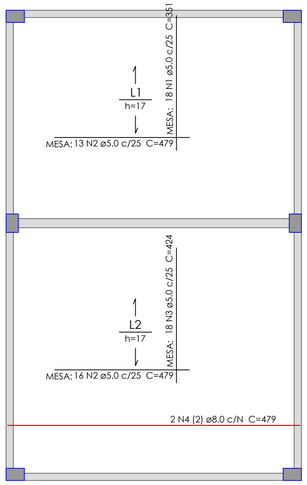
V505 (12 x 40)
ESC 1:50



SEÇÃO A-A
ESC 1:25

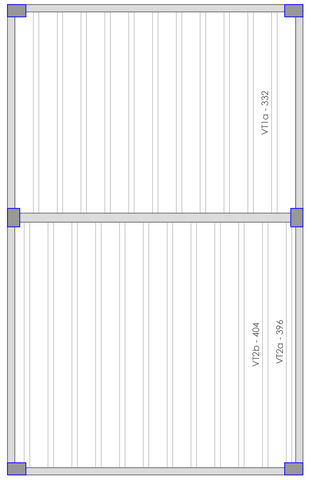


34 N1 ø5.0 C=95



ARMAÇÃO POSITIVA DAS LAJES DO PAVIMENTO COBERTURA RESERVATÓRIO

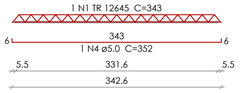
escala 1:50



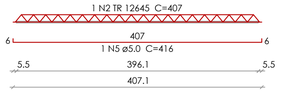
PLANTA DE VIGOTAS PRÉ-MOLDADAS

escala 1:50

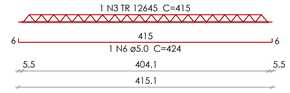
VT1a (11 unidades)
(L1)
ESC 1:50



VT2a (1 unidades)
(L2)
ESC 1:50

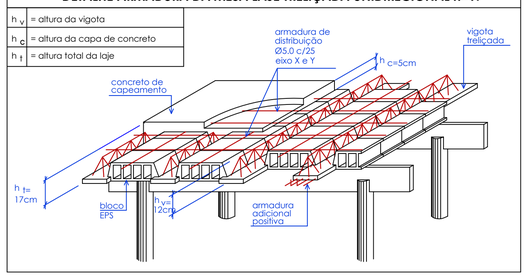


VT2b (11 unidades)
(L2)
ESC 1:50



DETALHE ARMADURA DA MESA LAJE TRELIÇADA UNIDIRECIONAL h=17

h_v	= altura da vigota
h_c	= altura da capa de concreto
h_t	= altura total da laje



Relação do aço

V501 V502 V503
V504 V505

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	110	95	10450
	2	5.0	22	101	2222
CA50	3	8.0	4	495	1980
	4	8.0	4	781	3124
	5	10.0	4	530	2120
	6	10.0	4	790	3160
	7	12.5	2	493	986
	8	12.5	2	535	1070

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	51.1	20.1
	10.0	52.8	32.6
	12.5	20.6	19.8
CA60	5.0	126.8	19.5

PESO TOTAL (kg)	
CA50	72.5
CA60	19.5

Volume de concreto (C-30) = 1.34 m³
Área de forma = 19.56 m²

Relação do aço

Positivos

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	18	351	6318
	2	5.0	29	479	13891
	3	5.0	18	424	7632
CA50	4	8.0	2	479	958

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	9.6	3.8
CA60	5.0	278.5	42.9

PESO TOTAL (kg)	
CA50	3.8
CA60	42.9

Volume de concreto (C-30) = 2.4 m³

Relação do aço

11xVT1a VT2a 11xVT2b

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	TR 12645	11	343	3773
	2	TR 12645	1	407	407
	3	TR 12645	11	415	4565
	4	5.0	11	352	3872
	5	5.0	1	416	416
	6	5.0	11	424	4664

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA60	TR 12645	87.5	77.8
	5.0	89.6	13.8

PESO TOTAL (kg)	
CA60	91.6

REV.	DESCRIÇÃO	DATA	EXEC.	VERIF.	APROV.
0	EMISSÃO ORIGINAL	14/11/25	CEGEO	TIAGO	PMM

AS INFORMAÇÕES DESTE DOCUMENTO SÃO PROPRIEDADE DA PREFEITURA MUNICIPAL DE MARACAJÁ, SENDO PROIBIDA A UTILIZAÇÃO FORA DA SUA FINALIDADE.

RESP. TÉCNICO:
TIAGO ROSSO URBANO - ENG.º CIVIL - CREA/SC: 126.160-6

CONTRATO:

ELABORAÇÃO:
UNIVERSIDADE DO EXTREMO SUL CATARINENSE
IPAT - Instituto de Pesquisas Ambientais e Tecnológicas
Rodovia Gov. Jorge Lacerda, Km 4,5 - Bairro Sangão - Criciúma/SC
Cx.Postal. 3167 - Fone/Fax (48) 3431 4500/ 3431 4540 CEP.88805-350

CONTRATANTE:
PREFEITURA MUNICIPAL DE MARACAJÁ
AVENIDA GETÚLIO VARGAS, 530 - BAIRRO CENTRO
88915-000, MARACAJÁ-SC

OBRA:
UNIDADE BÁSICA DE SAÚDE ALEX SANDRO DA ROSA

PROJETO:
PROJETO ESTRUTURAL

CONTEÚDO:
PAV. COBERTURA RESERVATÓRIO - VIGAS / LAJES

ÁREA TOTAL:	748,75 m²	ENDEREÇO:	RUA PROJETADA A, SÃO CRISTÓVÃO - MARACAJÁ/SC
ESCALA:	INDICADA	DESENHO:	TIAGO
DATA	14/11/2025	FOLHA:	34/35
		Nº	025-PEX-PROJ-003-025-001-EST-34-35-R00

Ext.: A1 - 841 x 594 mm