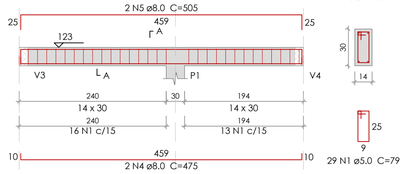
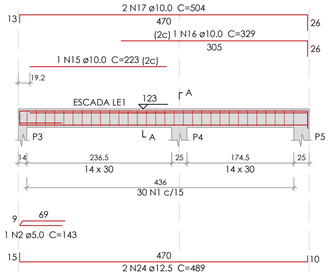
V1 (14 x 30)
ESC 1:50



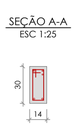
SEÇÃO A-A
ESC 1:25

29 N1 ø5.0 C=79

V2 (14 x 30)
ESC 1:50

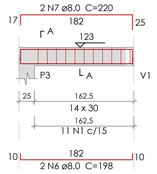


SEÇÃO A-A
ESC 1:25

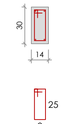


30 N1 ø5.0 C=79

V3 (14 x 30)
ESC 1:50

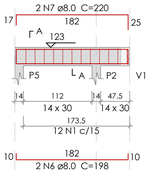


SEÇÃO A-A
ESC 1:25

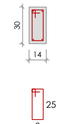


11 N1 ø5.0 C=79

V4 (14 x 30)
ESC 1:50

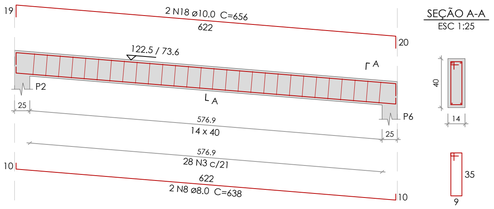


SEÇÃO A-A
ESC 1:25



12 N1 ø5.0 C=79

V5 (14 x 40)
ESC 1:50



SEÇÃO A-A
ESC 1:25

28 N3 ø5.0 C=99

Relação do aço

V1 V2 V3
V4 V5 V6
V7 V8 V9
V10 V11 V12

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	131	79	10349
	2	5.0	1	143	143
	3	5.0	112	99	11088
CA50	4	8.0	2	475	950
	5	8.0	2	505	1010
	6	8.0	4	198	792
	7	8.0	4	220	880
	8	8.0	2	638	1276
	9	8.0	4	151	604
	10	8.0	2	174	348
	11	8.0	2	175	350
	12	8.0	4	292	1168
	13	8.0	4	306	1224
	14	8.0	2	665	1330
	15	10.0	1	223	223
	16	10.0	1	329	329
	17	10.0	2	504	1008
	18	10.0	2	656	1312
	19	10.0	2	626	1252
	20	10.0	2	652	1304
	21	10.0	2	626	1252
	22	10.0	2	637	1274
	23	10.0	2	678	1356
	24	12.5	2	489	978

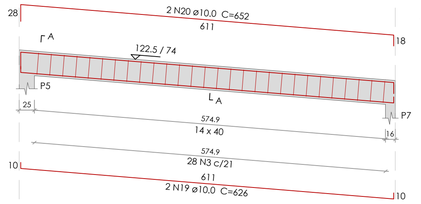
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	99.4	39.2
	10.0	93.1	57.4
	12.5	9.8	9.4
CA60	5.0	215.8	33.3

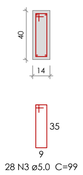
PESO TOTAL (kg)	
CA50	106
CA60	33.3

Volume de concreto (C-30) = 2.07 m³
Área de forma = 30.77 m²

V6 (14 x 40)
ESC 1:50

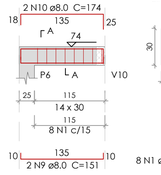


SEÇÃO A-A
ESC 1:25

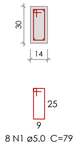


28 N3 ø5.0 C=99

V7 (14 x 30)
ESC 1:50

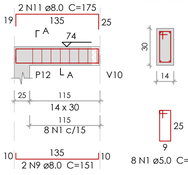


SEÇÃO A-A
ESC 1:25

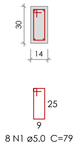


8 N1 ø5.0 C=79

V8 (14 x 30)
ESC 1:50

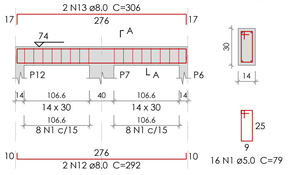


SEÇÃO A-A
ESC 1:25



8 N1 ø5.0 C=79

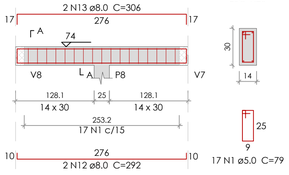
V9 (14 x 30)
ESC 1:50



SEÇÃO A-A
ESC 1:25

16 N1 ø5.0 C=79

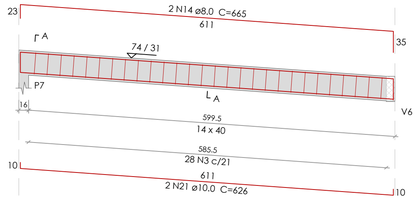
V10 (14 x 30)
ESC 1:50



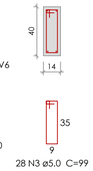
SEÇÃO A-A
ESC 1:25

17 N1 ø5.0 C=79

V11 (14 x 40)
ESC 1:50

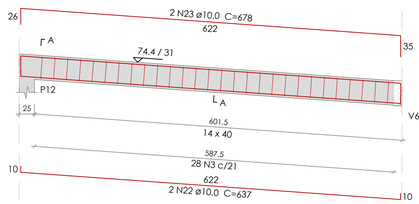


SEÇÃO A-A
ESC 1:25

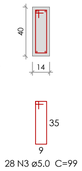


28 N3 ø5.0 C=99

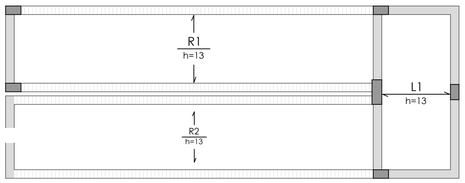
V12 (14 x 40)
ESC 1:50



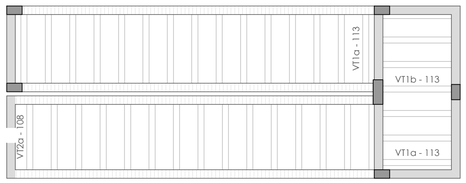
SEÇÃO A-A
ESC 1:25



28 N3 ø5.0 C=99



ARMAÇÃO POSITIVA DAS LAJES DO PAVIMENTO ACESSO
escala 1:50



PLANTA DE VIGOTAS PRÉ-MOLDADAS
escala 1:50

Relação do aço

Positivos

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	10	VAR	VAR
	2	5.0	4	276	1104
	3	5.0	24	135	3240
	4	5.0	10	611	6110
	5	5.0	24	130	3120

Resumo do aço

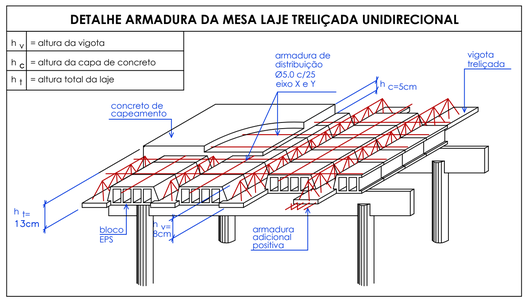
AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA60	5.0	149.3	23

PESO TOTAL (kg)	
CA60	23

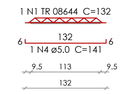
Volume de concreto (C-30) = 0.98 m³

DETALHE ARMADURA DA MESA LAJE TRELIÇADA UNIDIRECIONAL

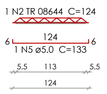
h_v	= altura da vigota
h_c	= altura da capa de concreto
h_t	= altura total da laje



VT1a (3 unidades)
(L1)
ESC 1:50



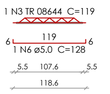
VT1a (15 unidades)
(R1)
ESC 1:50



VT1b (3 unidades)
(L1)
ESC 1:50



VT2a (14 unidades)
(R2)
ESC 1:50



Relação do aço

15xVT1a 3xVT1a-1 3xVT1b 14xVT2a

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	TR 08644	3	132	396
	2	TR 08644	18	124	2232
	3	TR 08644	14	119	1666
	4	5.0	3	141	423
	5	5.0	18	133	2394
	6	5.0	14	128	1792

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA60	TR 08644	43	31.6
	5.0	46.1	7.1

PESO TOTAL (kg)	
CA60	38.7

REV.	DESCRIÇÃO	DATA	EXEC.	VERIF.	APROV.
0	EMISSÃO ORIGINAL	25/11/25	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 - ACESSO

CONTEÚDO:
VIGAS | ARMAÇÃO RAMPAS | VIGOTAS

AREA TOTAL:	748,75 m²	ENDEREÇO:	RUA PROJETADA A, SÃO CRISTÓVÃO - MARACAJÁ/SC
ESCALA:	INDICADA	DESENHO: MATEUS MACCARINI	FOLHA: 04/05
DATA:	25/11/2025	Nº	025-PEX-PROJ-003-025-001-EST-04-05-R00

Ext.: A1 - 841 x 594 mm