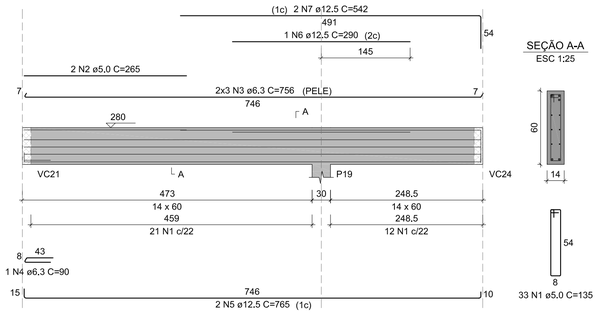
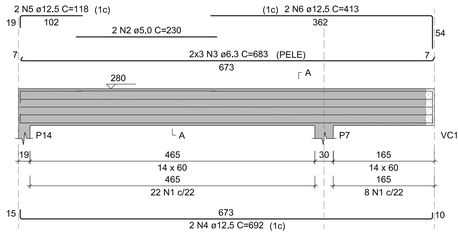
VC10
ESC 1:50



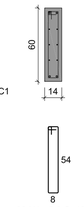
SEÇÃO A-A
ESC 1:25

33 N1 ø5.0 C=135

VC11
ESC 1:50

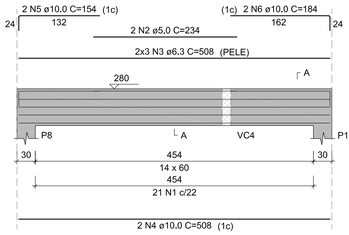


SEÇÃO A-A
ESC 1:25

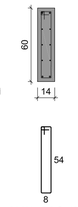


30 N1 ø5.0 C=135

VC12
ESC 1:50

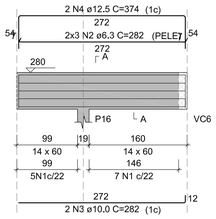


SEÇÃO A-A
ESC 1:25

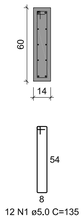


21 N1 ø5.0 C=135

VC16
ESC 1:50



SEÇÃO A-A
ESC 1:25



12 N1 ø5.0 C=135

RELAÇÃO DO AÇO

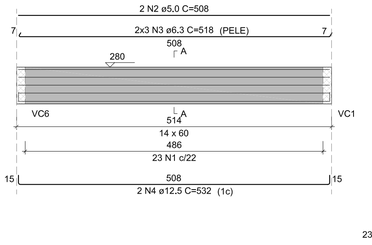
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
VC10	CA60	1	5,0	33	135	4455
	CA60	2	5,0	2	265	530
	CA50	3	6,3	6	756	4536
	CA50	4	6,3	1	90	90
	CA50	5	12,5	2	765	1530
	CA50	6	12,5	1	290	290
	CA50	7	12,5	2	542	1084
VC11	CA60	1	5,0	30	135	4050
	CA60	2	5,0	2	230	460
	CA50	3	6,3	6	683	4098
	CA50	4	12,5	2	692	1384
	CA50	5	12,5	2	118	236
	CA50	6	12,5	2	413	826
VC12	CA60	1	5,0	21	135	2835
	CA60	2	5,0	2	234	468
	CA50	3	6,3	6	508	3048
	CA50	4	10,0	2	508	1016
	CA50	5	10,0	2	154	308
	CA50	6	10,0	2	184	368
VC14	CA60	1	5,0	23	135	3105
	CA60	2	5,0	2	508	1016
	CA50	3	6,3	6	518	3108
	CA50	4	12,5	2	532	1064
VC15	CA60	1	5,0	21	135	2835
	CA60	2	5,0	2	508	1016
	CA50	3	6,3	6	508	3048
	CA50	4	10,0	2	552	1104
	CA50	5	12,5	2	508	1016
VC16	CA60	1	5,0	12	135	1620
	CA50	2	6,3	6	282	1692
	CA50	3	10,0	2	282	564
	CA50	4	12,5	2	374	748
VC17	CA60	1	5,0	23	135	3105
	CA60	2	5,0	2	508	1016
	CA50	3	6,3	6	518	3108
	CA50	4	12,5	2	532	1064
VC18	CA60	1	5,0	21	255	5355
	CA50	2	6,3	12	508	6096
	CA50	3	12,5	1	516	516
	CA50	4	12,5	2	520	1040
	CA50	5	12,5	2	530	1060
VC19	CA60	1	5,0	21	255	5355
	CA50	2	6,3	12	508	6096
	CA50	3	12,5	1	516	516
	CA50	4	12,5	2	520	1040
	CA50	5	12,5	2	530	1060
VC20	CA60	1	5,0	23	135	3105
	CA60	2	5,0	2	508	1016
	CA50	3	6,3	6	518	3108
	CA50	4	12,5	2	532	1064
VC21	CA60	1	5,0	13	135	1755
	CA50	2	6,3	6	282	1692
	CA50	3	10,0	2	287	574
	CA50	4	12,5	2	374	748
VC22	CA60	1	5,0	21	135	2835
	CA50	2	6,3	6	508	3048
	CA50	3	10,0	2	552	1104
	CA50	4	12,5	2	508	1016
VC23	CA60	1	5,0	35	135	4725
	CA60	2	5,0	2	389	778
	CA50	3	6,3	6	782	4692
	CA50	4	10,0	2	445	890
	CA50	5	12,5	2	791	1582
VC24	CA60	1	5,0	33	135	4455
	CA50	2	6,3	6	775	4650
	CA50	3	6,3	2	90	180
	CA50	4	12,5	2	784	1568
	CA50	5	12,5	2	839	1678

RESUMO DO AÇO

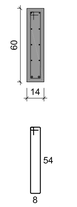
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 5% (kg)
CA50	6,3	522,9	134,4
	10,0	59,3	38,4
	12,5	221,3	223,8
CA60	5,0	548,7	88,8
PESO TOTAL (kg)			
CA50	396,6		
CA60	88,8		

Volume de concreto (C-35) = 6,68 m³
Área de forma = 86,43 m²

VC14
ESC 1:50

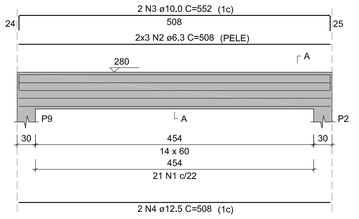


SEÇÃO A-A
ESC 1:25

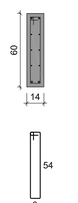


23 N1 ø5.0 C=135

VC15
ESC 1:50

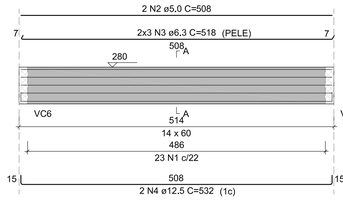


SEÇÃO A-A
ESC 1:25

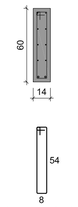


21 N1 ø5.0 C=135

VC17
ESC 1:50

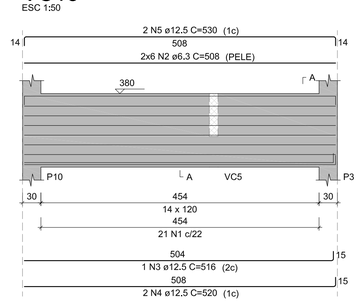


SEÇÃO A-A
ESC 1:25

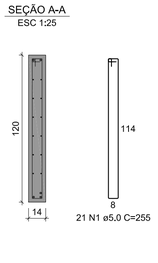


23 N1 ø5.0 C=135

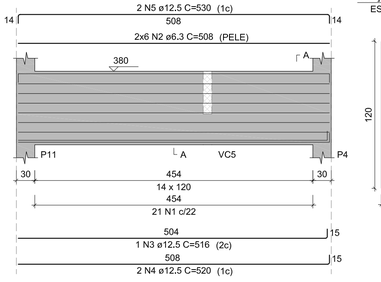
VC18
ESC 1:50



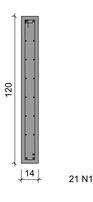
SEÇÃO A-A
ESC 1:25



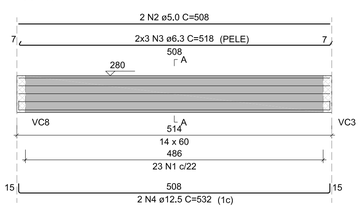
VC19
ESC 1:50



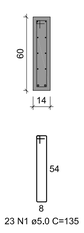
SEÇÃO A-A
ESC 1:25



VC20
ESC 1:50

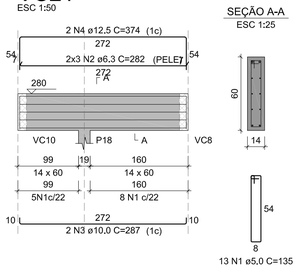


SEÇÃO A-A
ESC 1:25



23 N1 ø5.0 C=135

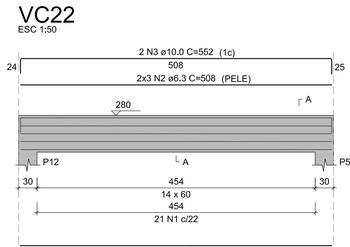
VC21
ESC 1:50



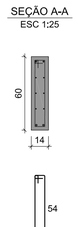
SEÇÃO A-A
ESC 1:25

13 N1 ø5,0 C=135

VC22
ESC 1:50



SEÇÃO A-A
ESC 1:25



21 N1 ø5.0 C=135

RELAÇÃO DO AÇO

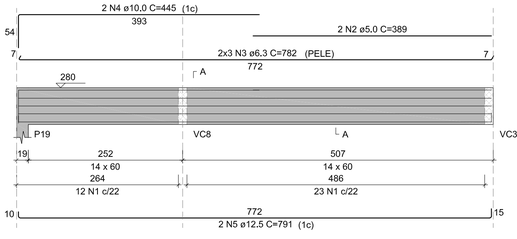
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
VR1	CA60	1	5,0	26	95	2470
	CA60	2	5,0	2	270	540
	CA50	3	8,0	4	177	708
	CA50	4	10,0	2	563	1126
VR2	CA60	1	5,0	26	95	2470
	CA60	2	5,0	2	270	540
	CA50	3	8,0	4	177	708
	CA50	4	10,0	2	563	1126
VR3	CA60	1	5,0	22	95	2090
	CA50	2	8,0	2	548	1096
	CA50	3	10,0	2	508	1016
VR4	CA60	1	5,0	22	95	2090
	CA50	2	8,0	2	548	1096
	CA50	3	10,0	2	508	1016

RESUMO DO AÇO

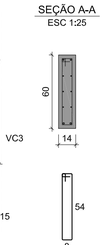
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 5% (kg)
CA50	8,0	36,1	14,9
	10,0	42,8	27,7
CA60	5,0	102	16,5
PESO TOTAL (kg)			
CA50	42,7		
CA60	16,5		

Volume de concreto (C-35) = 1,10 m³
Área de forma = 18,52 m²

VC23
ESC 1:50

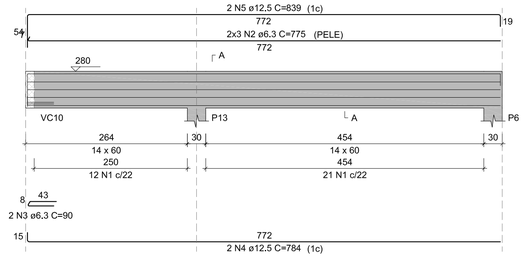


SEÇÃO A-A
ESC 1:25

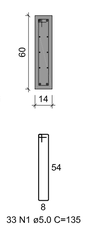


35 N1 ø5,0 C=135

VC24
ESC 1:50



SEÇÃO A-A
ESC 1:25

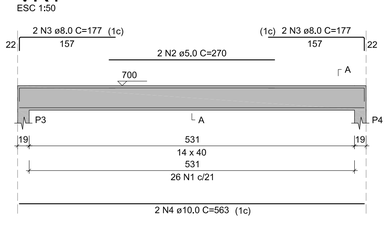


33 N1 ø5,0 C=135

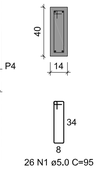
Detalhamento das Vigas Cobertura

escala 1:50 e 1:25

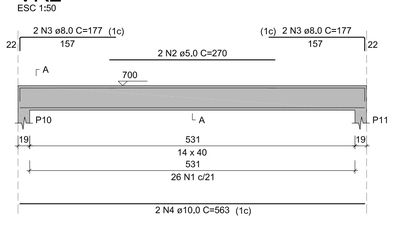
VR1
ESC 1:50



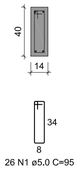
SEÇÃO A-A
ESC 1:25



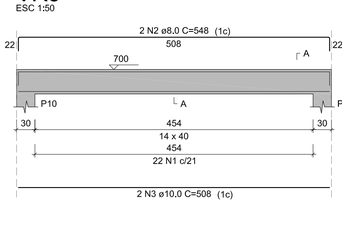
VR2
ESC 1:50



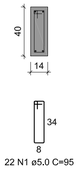
SEÇÃO A-A
ESC 1:25



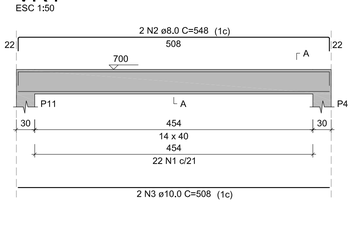
VR3
ESC 1:50



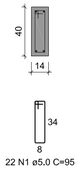
SEÇÃO A-A
ESC 1:25



VR4
ESC 1:50



SEÇÃO A-A
ESC 1:25



Detalhamento das Vigas Reservatório

escala 1:50 e 1:25

NOTAS:

- CLASSE DE AGRESSIVIDADE AMBIENTAL III (FORTE)
- CONCRETO C-35 (Fck 350 Kgf/cm²)
- MÓDULO DE ELASTICIDADE SECANTE: Ecs 294029Kgf/cm²
- FATOR ÁGUA CIMENTO EM MASSA: ≤ 0,55
- CONTROLE RIGOROSO NAS DIMENSÕES DOS ELEMENTOS
- TODA A ESTRUTURA DEVERÁ RECEBER REVESTIMENTO EM ARGAMASSA E PINTURA
- RECOBRIMENTO DAS ARMADURAS DE VIGAS E PILARES: 3,0cm LAJES: 2,5cm: FUNDAÇÕES: 4,5cm
- CONFERIR TODAS AS MEDIDAS NO LOCAL
- TODAS AS COTAS ESTÃO EM CENTIMETROS
- INÍCIO DO CARREGAMENTO PREVISTO: 28 DIAS
- EM CASO DE DÚVIDAS CONSULTE O AUTOR DO PROJETO
- ESTE PROJETO NÃO PODERÁ SER ALTERADO SEM AUTORIZAÇÃO DE SEU RESPONSÁVEL TECNICO

Rev 00	Emissão Inicial - Projeto Executivo	MRS	out/2022
Nº	Registro de Modificações	Visto	Data

Cliente:
ESTADO DE SANTA CATARINA
PREFEITURA MUNICIPAL DE PORTO BELO

Obra:
Reforma & Ampliação - UBS Mauro João Jacques

Endereço:
Rua Manoel Machado, s/n. Vila Nova

Projeto:
Projeto Estrutural

Data: Outubro/2022
Escala: Indicada
Desenho: MRS
Coordenação: SGG

Conteúdo:
Detalhamento das Vigas do Pav. Cobertura

Prancha: E 07/09

Elaboração:
Alleanza Arquitetura Urbana & Engenharia

Responsáveis Técnicos:
Sérgio Guilherme Gollnick — Arq.Assis.& Urbanista — CAU A58857-0
Daysil Nass dos Santos — Engenheira Civil — CREA/SC 095502-0
MARCOS ROBERTO STRAMARIO:83... — Assinado de forma digital por MARCOS ROBERTO STRAMARIO:83... Dados: 2022.10.28 11:17:22 -03'00' — 18554981
Marcos Roberto Stramarii — Engenheiro Civil — CREA/SC 75439-2
João Luiz de Figueiredo Junior — Arquiteto & Urbanista — CAU A10170-0

A1 - 594 X 841