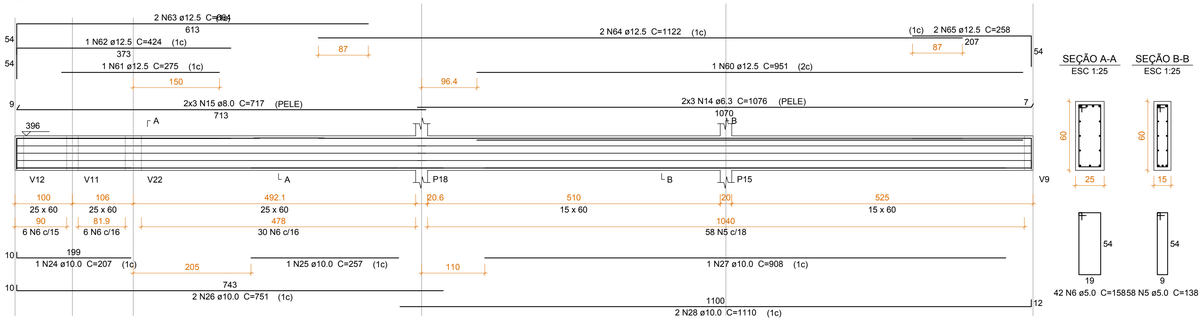
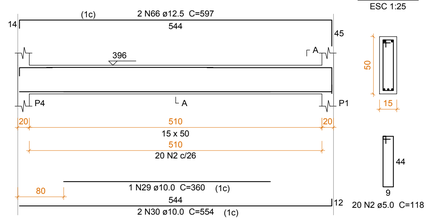
V14
ESC 1:50



SEÇÃO A-A
ESC 1:25

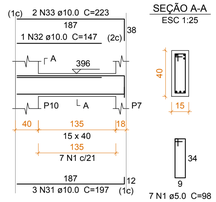
SEÇÃO B-B
ESC 1:25

V15
ESC 1:50



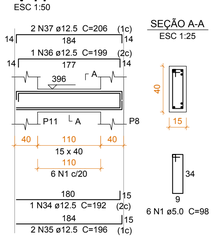
SEÇÃO A-A
ESC 1:25

V16
ESC 1:50



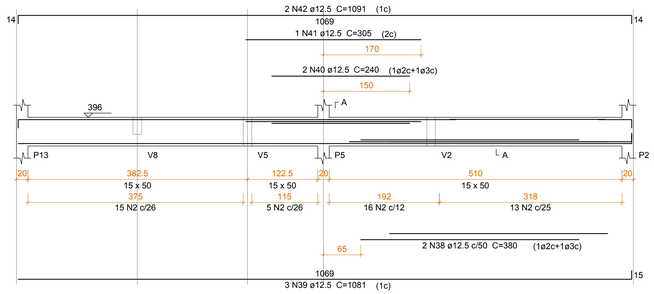
SEÇÃO A-A
ESC 1:25

V17
ESC 1:50

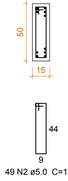


SEÇÃO A-A
ESC 1:25

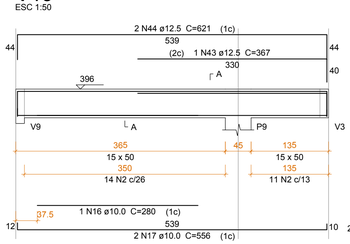
V18
ESC 1:50



SEÇÃO A-A
ESC 1:25

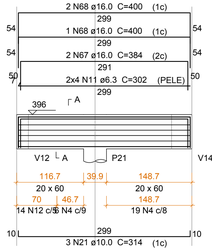


V19
ESC 1:50

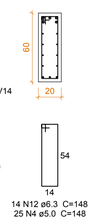


SEÇÃO A-A
ESC 1:25

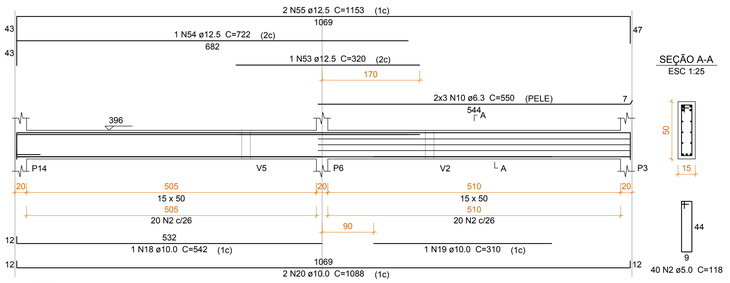
V22
ESC 1:50



SEÇÃO A-A
ESC 1:25

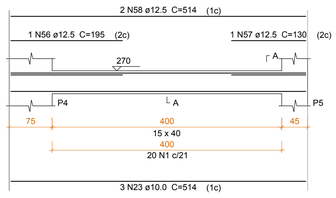


V21
ESC 1:50



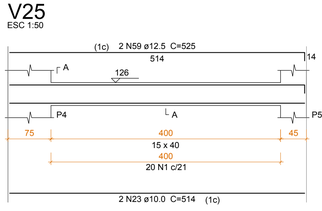
SEÇÃO A-A
ESC 1:25

V24
ESC 1:50

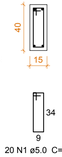


SEÇÃO A-A
ESC 1:25

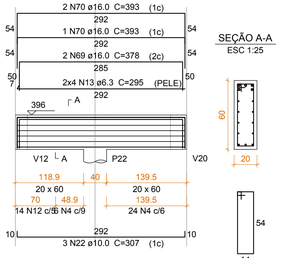
V25
ESC 1:50



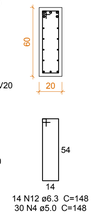
SEÇÃO A-A
ESC 1:25



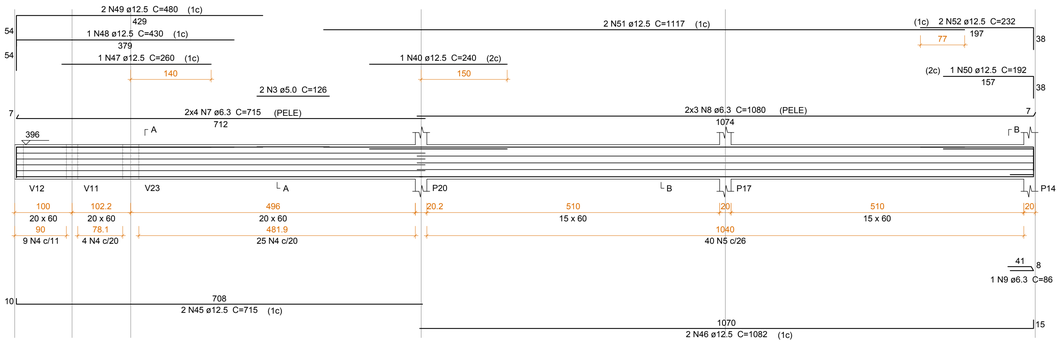
V23
ESC 1:50



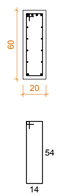
SEÇÃO A-A
ESC 1:25



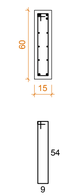
V20
ESC 1:50



SEÇÃO A-A
ESC 1:25



SEÇÃO B-B
ESC 1:25



ARMAÇÃO VIGAS PISO 1 - 2 de 2
ESCALA 1:50

Relação do aço

V14	V15	V16	
V17	V18	V19	
V20	V21	V22	
V23	V24	V25	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	53	98	5194
	2	5.0	134	118	15812
	3	5.0	2	126	252
	4	5.0	93	148	13764
	5	5.0	98	138	13524
	6	5.0	42	158	6636
CA50	7	6.3	8	715	5720
	8	6.3	6	1080	6480
	9	6.3	1	86	86
	10	6.3	6	550	3300
	11	6.3	8	302	2416
	12	6.3	28	148	4144
	13	6.3	8	295	2360
	14	6.3	6	1076	6456
	15	8.0	6	717	4302
	16	10.0	1	280	280
	17	10.0	2	556	1112
	18	10.0	1	542	542
	19	10.0	1	310	310
	20	10.0	2	1088	2176
	21	10.0	3	314	942
	22	10.0	3	307	921
	23	10.0	5	514	2570
	24	10.0	1	207	207
	25	10.0	1	257	257
	26	10.0	2	751	1502
	27	10.0	1	908	908
	28	10.0	2	1110	2220
	29	10.0	1	360	360
	30	10.0	2	554	1108
	31	10.0	3	197	591
	32	10.0	1	147	147
	33	10.0	2	223	446
	34	12.5	1	192	192
	35	12.5	2	196	392
	36	12.5	1	199	199
	37	12.5	2	206	412
	38	12.5	2	380	760
	39	12.5	3	1081	3243
	40	12.5	3	240	720
	41	12.5	1	305	305
	42	12.5	2	1091	2182
	43	12.5	1	367	367
	44	12.5	2	621	1242
	45	12.5	2	715	1430
	46	12.5	2	1082	2164
	47	12.5	1	260	260
	48	12.5	1	430	430
	49	12.5	2	480	960
	50	12.5	1	192	192
	51	12.5	2	1117	2234
	52	12.5	2	232	464
	53	12.5	1	320	320
	54	12.5	1	722	722
	55	12.5	2	1153	2306
	56	12.5	1	195	195
	57	12.5	1	130	130
	58	12.5	2	514	1028
	59	12.5	2	525	1050
	60	12.5	1	951	951
	61	12.5	1	275	275
	62	12.5	1	424	424
	63	12.5	2	664	1328
	64	12.5	2	1122	2244
	65	12.5	2	258	516
	66	12.5	2	597	1194
	67	16.0	2	384	768
	68	16.0	3	400	1200
	69	16.0	2	378	756
	70	16.0	3	393	1179

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	309.7	83.3
	8.0	43.1	18.7
	10.0	166	112.6
	12.5	308.4	326.7
	16.0	39.1	67.8
CA60	5.0	551.9	93.6

PESO TOTAL (kg)	
CA50	609.1
CA60	93.6

Volume de concreto (C-25) = 7.85 m³
Área de forma = 108.30 m²

1	Revisão 01 - Mudança na Escada	07/2017	RCB
0	Emissão Inicial	06/2017	RCB
Revisão	Descrição	Data	Responsável

AMFRI - ASSOCIAÇÃO DOS MUNICÍPIOS DA REGIÃO DA FOZ DO RIO ITAJAÍ
Rua Luiz Lopes Gonzaga, nº 1655 - Bairro São Vicente - Itajaí-SC - CREA/SC nº 050968-0

AMFRI

Estado de Santa Catarina
BOMBEIRO MILITAR DE SANTA CATARINA

Data: Junho/2017
Escala: Indicada
Arquivo: -

Projeto: ESTRUTURAL
AMPLIAÇÃO DO 7°B.B.M EM ITAJAÍ
Local: Av Sete de Setembro, 1878
Bairro Fazenda - Itajaí

Conteúdo da folha: Armação vigas piso 1 - 2 de 2
Estatística
Área a construir: 870,90m²

Desenho: Rafael B.
ART: -
Folha: 11/21

7° Batalhão de Bombeiro Militar em Itajaí / SC
Comandante do 7° B.B.M.

Projeto
Rafael Calistro Borba
Eng Civil - CREA SC 093.243-9