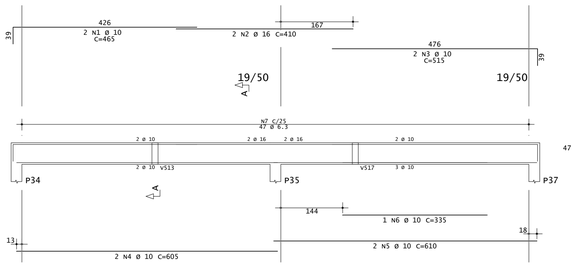
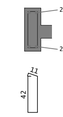
V510

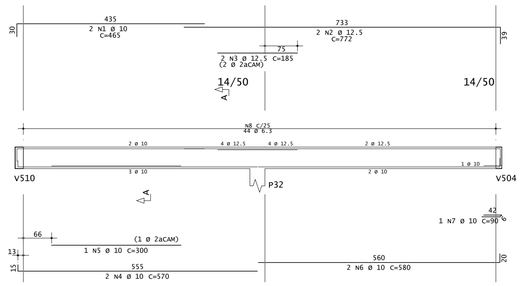


Corte A

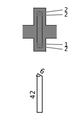


47 N7 Ø 6.3 C=122

V517

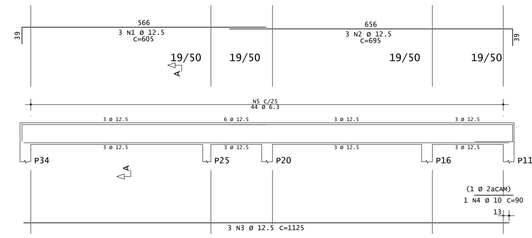


Corte A

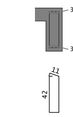


44 N8 Ø 6.3 C=112

V511

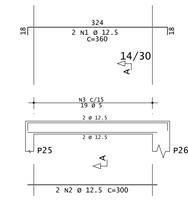


Corte A

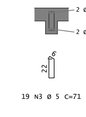


44 N5 Ø 6.3 C=122

V509

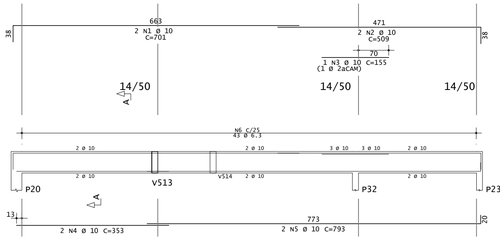


Corte A

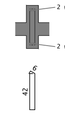


19 N3 Ø 5 C=71

V507

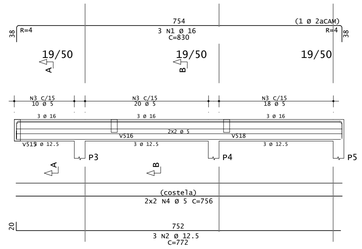


Corte A

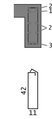


43 N6 Ø 6.3 C=112

V501

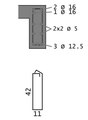


Corte A



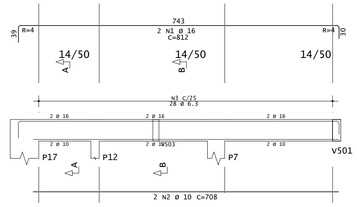
10 N3 Ø 5 C=132

Corte B

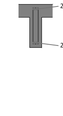


38 N3 Ø 5 C=132

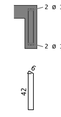
V515



Corte A

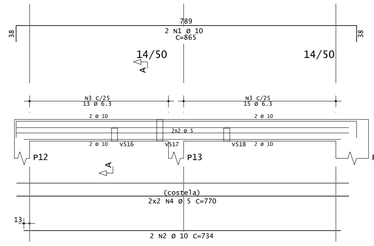


Corte B

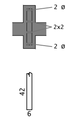


28 N3 Ø 6.3 C=112

V504

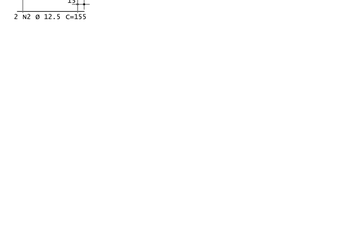


Corte A



28 N3 Ø 6.3 C=118

V502



Corte A

32 N3 Ø 6.3 C=124
8 N4 Ø 8 C=126

V513

Corte A

Corte B

22 N4 Ø 6.3 C=112

V521

Corte A

35 N5 Ø 5 C=121

V520

Corte A

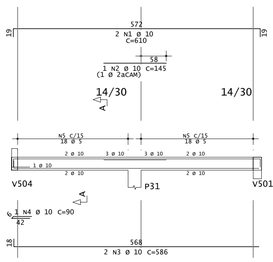
22 N4 Ø 6.3 C=122

V516

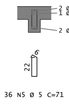
Corte A

36 N4 Ø 5 C=71

V518

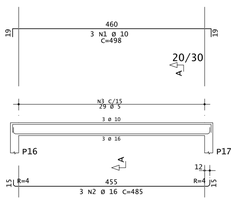


Corte A

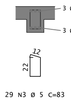


36 N5 Ø 5 C=71

V505

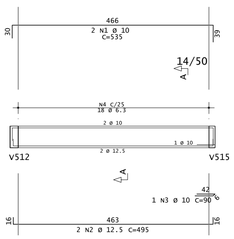


Corte A

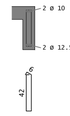


29 N3 Ø 5 C=83

V503

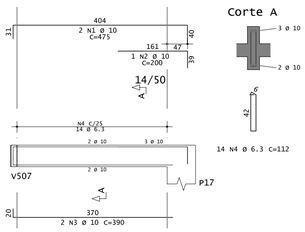


Corte A



18 N4 Ø 6.3 C=112

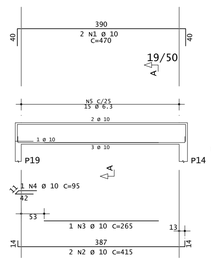
V514



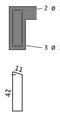
Corte A

14 N4 Ø 6.3 C=112

V523

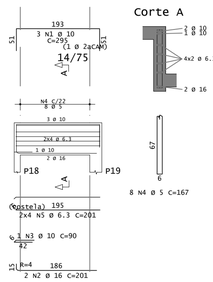


Corte A



15 N5 Ø 6.3 C=122

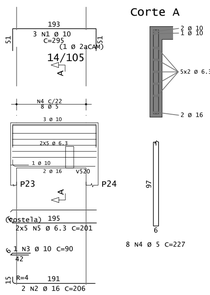
V506



Corte A

8 N4 Ø 5 C=167

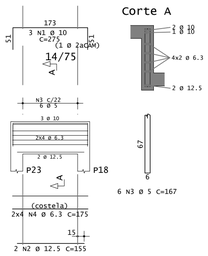
V508



Corte A

8 N4 Ø 5 C=227

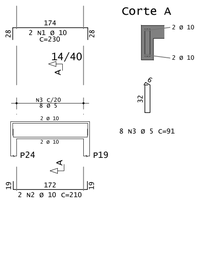
V519



Corte A

6 N3 Ø 5 C=167

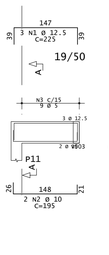
V522



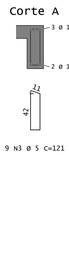
Corte A

8 N3 Ø 5 C=91

V512



Corte A



9 N3 Ø 5 C=121

RESUMO AÇO CA 50-60

AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60A	5	315	49
50A	6.3	468	115
50A	8	10	4
50A	10	387	239
50A	12.5	148	143
50A	16	162	256
Peso Total		60A =	49 kg
Peso Total		50A =	756 kg

AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	TOTAL (cm)
V501					
	50A	1	16	3	830	2490
	50A	2	12.5	3	772	2316
	60A	3	5	48	132	6336
	60A	4	5	4	756	3024
V502					
	50A	1	16	3	814	2442
	50A	2	16	3	774	2322
	50A	3	6.3	32	124	3968
	50A	4	8	8	126	1008
V503					
	50A	1	10	2	535	1070
	50A	2	12.5	2	495	990
	50A	3	10	1	90	90
	50A	4	6.3	18	112	2016
V504					
	50A	1	10	2	865	1730
	50A	2	10	2	734	1468
	50A	3	6.3	28	118	3304
	60A	4	5	4	770	3080
V505					
	50A	1	10	3	498	1494
	50A	2	16	3	485	1455
	60A	3	5	29	83	2407
V506					
	50A	1	10	3	295	885
	50A	2	16	2	201	402
	50A	3	10	1	90	90
	60A	4	5	8	167	1336
	50A	5	6.3	8	201	1608
V507					
	50A	1	10	2	701	1402
	50A	2	10	2	509	1018
	50A	3	10	1	155	155
	50A	4	10	2	353	706
	50A	5	10	2	793	1586
	50A	6	6.3	43	112	4816
V508					
	50A	1	10	3	295	885
	50A	2	16	2	206	412
	50A	3	10	1	90	90
	60A	4	5	8	227	1816
	50A	5	6.3	10	201	2010
V509					
	50A	1	12.5	2	360	720
	50A	2	12.5	2	300	600
	60A	3	5	19	71	1349
V510					
	50A	1	10	2	465	930
	50A	2	16	2	410	820
	50A	3	10	2	515	1030
	50A	4	10	2	605	1210
	50A	5	10	2	610	1220
	50A	6	10	1	335	335
	50A	7	6.3	37	122	5734
V511					
	50A	1	12.5	3	605	1815
	50A	2	12.5	3	695	2085
	50A	3	12.5	3	1125	3375
	50A	4	10	1	90	90
	50A	5	6.3	44	122	5368
V512					
	50A	1	12.5	3	225	675
	50A	2	10	2	195	390
	60A	3	5	9	121	1089
V513					
	50A	1	16	2	639	1278
	50A	2	10	2	580	1160
	50A	3	10	1	195	195
	50A	4	6.3	22	112	2464
V514					
	50A	1	10	2	475	950
	50A	2	10	1	200	200
	50A	3	10	2	390	780
	50A	4	6.3	14	112	1568
V515					
	50A	1	16	2	812	1624
	50A	2	10	2	708	1416
	50A	3	6.3	28	112	3136
V516					
	50A	1	16	2	609	1218
	50A	2	10	2	586	1172
	50A	3	10	1	90	90
	60A	4	5	36	71	2556
V517					
	50A	1	10	2	465	930
	50A	2	12.5	2	772	1544
	50A	3	12.5	2	185	370
	50A	4	10	2	570	1140
	50A	5	10	1	300	300
	50A	6	10	2	580	1160
	50A	7	10	1	90	90
	50A	8	6.3	44	112	4928
V518					
	50A	1	10	2	610	1220
	50A	2	10	1	145	145
	50A	3	10	2	586	1172
	50A	4	10	1	90	90
	60A	5	5	36	71	2556
V519					
	50A	1	10	3	275	825
	50A	2	12.5	2	155	310
	60A	3	5	6	167	1002
	50A	4	6.3	8	175	1400
V520					
	50A	1	10	3	655	1965
	50A	2	16	3	589	1767
	50A	3	10	1	95	95
	50A	4	6.3	22	122	2684
V521					
	50A	1	10	2	655	1310
	50A	2	10	1	125	125
	50A	3	10	2	570	1140
	50A	4	10	1	195	195
	60A	5	5	35	121	4235
V522					
	50A	1	10	2	230	460
	50A	2	10	2	210	420
	60A	3	5	8	91	728
V523					
	50A	1	10	2	470	940
	50A	2	10	2	415	830
	50A	3	10	1	265	265
	50A	4	10	1	95	95
	50A	5	6.3	15	122	1830

DISCIPLINA	FOLHA	ARQUIVO ELETRÔNICO	REVISÃO	DATA	OBSERVAÇÃO

ARQUIVOS DE REFERÊNCIA - COMPLEMENTARES

REV.	TIPO DE EMIS.	DATA	ELABORADO POR	VERIFICADO POR	VALIDADO POR	DESCRIÇÃO DA REVISÃO
A	E	01/02/2019	PY	C.OLIVEIRA	-----	PARA APROVAÇÃO

(A) PRELIMINAR (B) PARA APROVAÇÃO (C) PARA INFORMAÇÃO (D) PARA COTAÇÃO (E) APROVADO / PARA CONSTRUÇÃO (F) COMO COMPRADO (G) COMO CONSTRUÍDO (H) CANCELADO

EMAP PORTO DO ITAQUI

PROJETO
PROJETO DE ESTRUTURA
PRÉDIO DO CORPO DE BOMBEIROS
ARMAÇÃO VIGAS (PRIMEIRO)

Nº EMAP 2018.13-DE-EST-2109-0013 DATA: JANEIRO/19 REVISÃO: A

PROJETO ESTRUTURAL - CORPO DE BOMBEIROS

PROJETISTA: C.OLIVEIRA
CREA/CAU: 5063315792
Nº CONTRATADA: xxxxxxxxxxxx
RESP. TÉCNICO: Engª Vera L.F.B.
CONTRATADA:
ESCALA: INDICADAS
Nº PRANCHA: 13/15