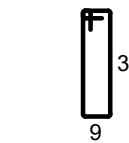
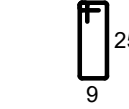
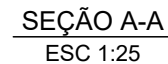


ESC 1:50



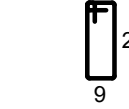
18 N1 Ø5.0 C=99

ESC 1:50



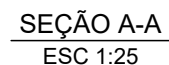
96 N2 ø5.0 C=79

ESC 1:50



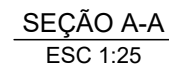
51 N2 ø5.0 C=79

ESC 1:50



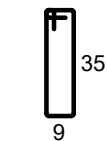
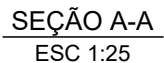
11 N1 ø5.0 C=99

ESC 1:50



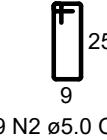
13 N1 ø5.0 C=99

ESC 1:50



18 N1 ø5.0 C=99

ESC 1:50



19 N2 05.0 C=79

## RELAÇÃO DO AÇO

V17		V18		V19	
V20		V21		V22	
V23		V24			
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	146	99	14454
	2	5.0	166	79	13114
CA50	3	5.0	2	241	482
	4	6.3	4	301	1204
	5	6.3	2	74	148
	6	8.0	2	430	860
	7	8.0	2	1052	2104
	8	8.0	2	432	864
	9	8.0	2	1198	2396
	10	8.0	2	354	708
	11	8.0	2	857	1714
	12	8.0	2	892	1784
	13	8.0	2	266	532
	14	8.0	2	281	562
	15	8.0	4	291	1164
	16	8.0	2	347	694
	17	8.0	2	356	712
	18	10.0	1	278	278
	19	10.0	2	455	910
	20	10.0	1	178	178
21	10.0	2	181	362	
22	10.0	2	1138	2276	
23	10.0	2	721	1442	
24	10.0	1	225	225	
25	10.0	2	1198	2396	
26	10.0	2	756	1512	
27	12.5	1	328	328	
28	12.5	2	406	812	

## RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	13.5	3.6
	8.0	140.9	61.2
	10.0	95.8	65
	12.5	11.4	12.1
CA60	5.0	280.5	47.6

PESO TOTAL (kg)	
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CA50	141.9
CA60	47.6

Volume de concreto (C-25) = 2.93 m<sup>3</sup>

Área de forma = 50.10 m<sup>2</sup>



Secretaria de Urbanismo,  
Mobilidade e Planejamento

# Projeto Estrutural

OBJETO: <b>AMPLIAÇÃO UBS BOM PASTOR</b>		ENDEREÇO: Rua Hilário Damian Bairro Bom Pastor - Tubarão/SC	
ASSUNTO: <b>DETALHAMENTO DAS VIGAS DO BALDRAME - 02/02</b>		RESP. TÉCNICO: <div> <div>06</div> <div>09</div> </div>	
ESCALA: Indicada	DATA: Fev/2020	ARQUITO: est_UBS Bom Pastor 02.dwg RICHARD RODRIGUES ALEXANDRE Engenheiro Civil - CREA/SC nº 044.062-2	

06  
09