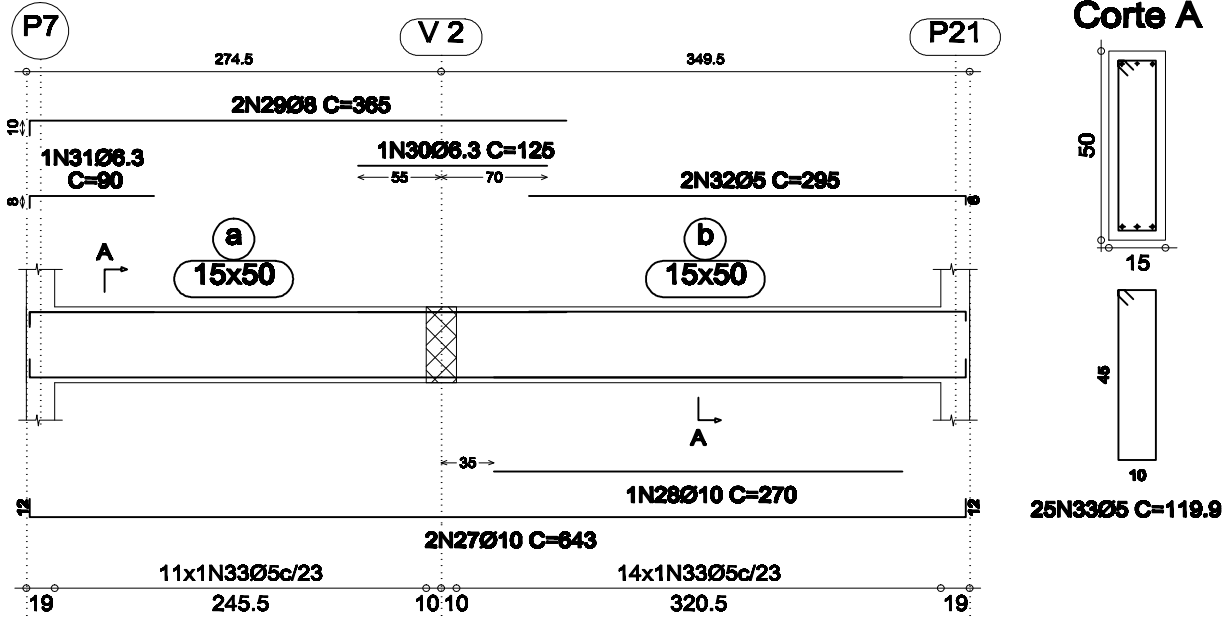
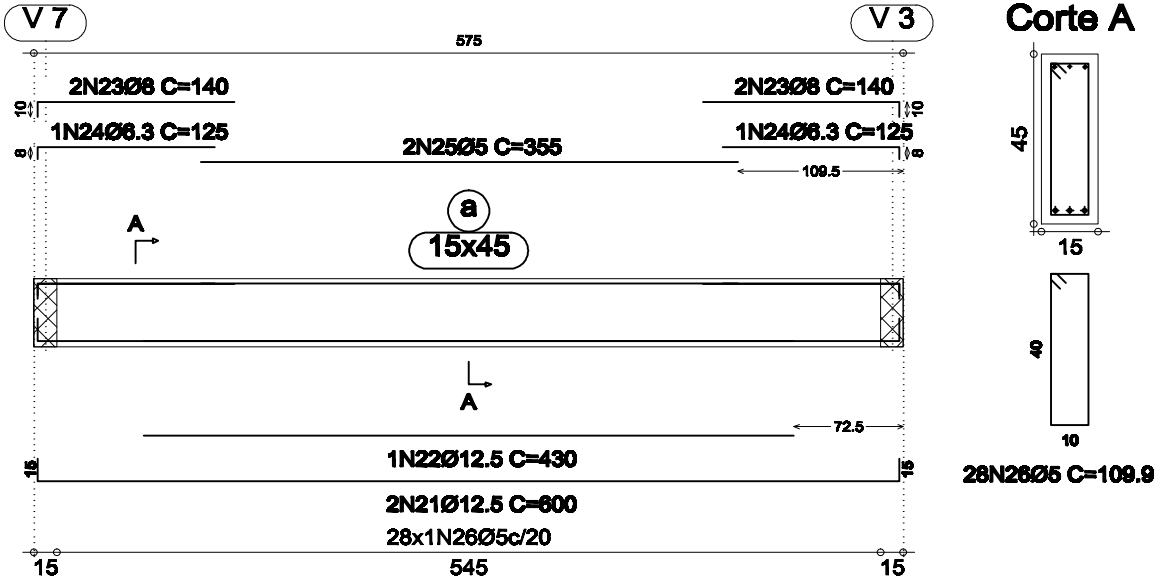


2 Pavio
Desenho de vigas
Concreto: C30, usina.rigor
Aço: CA-50-A e CA-60-B
Escala vigas: 1:50
Escala seções: 1:20

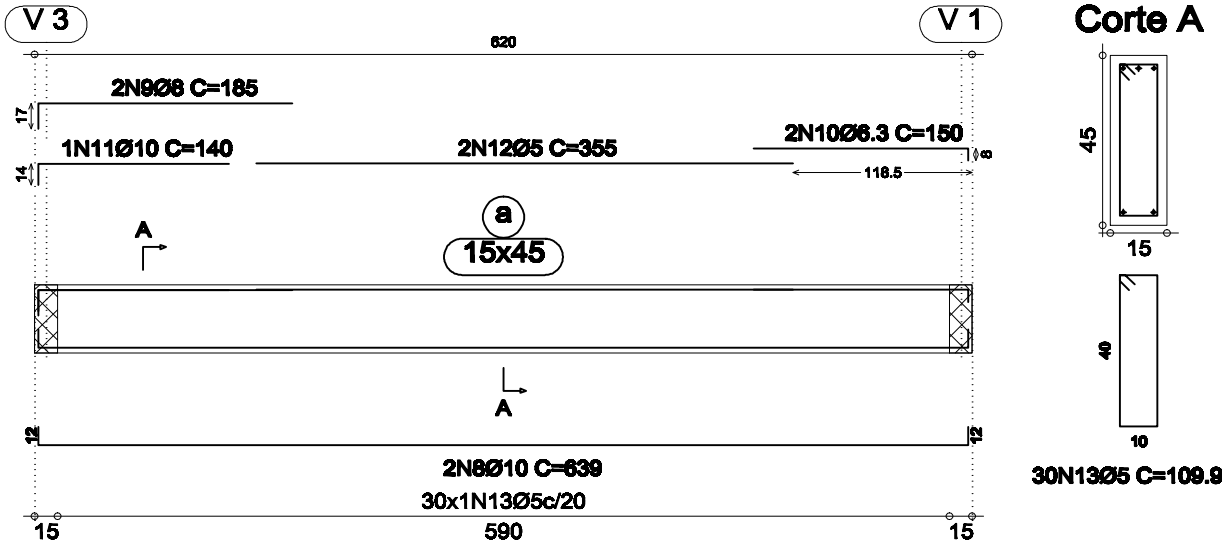
V 18



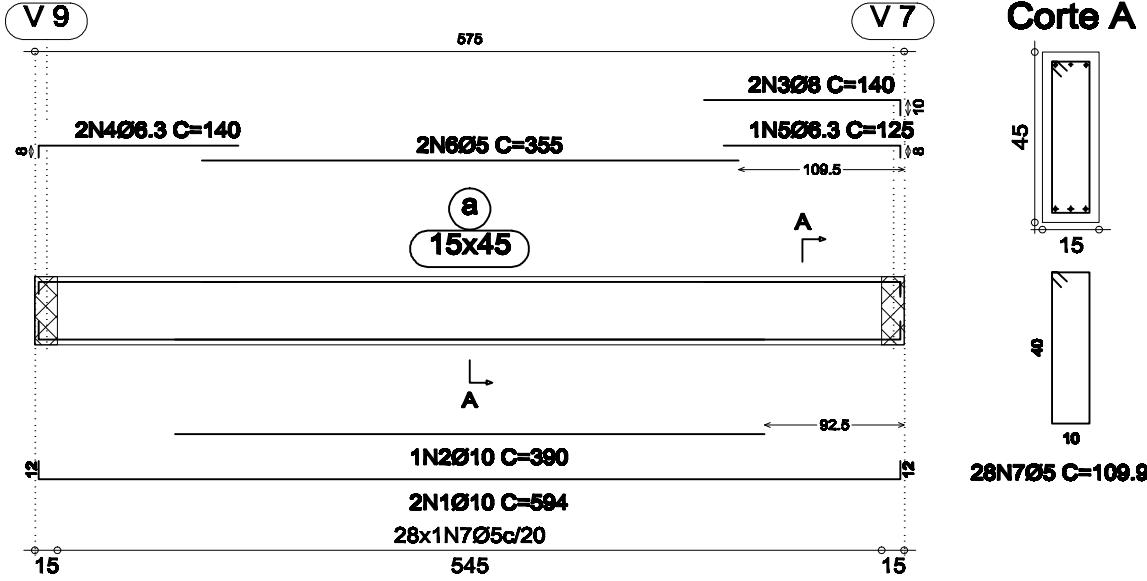
V 19



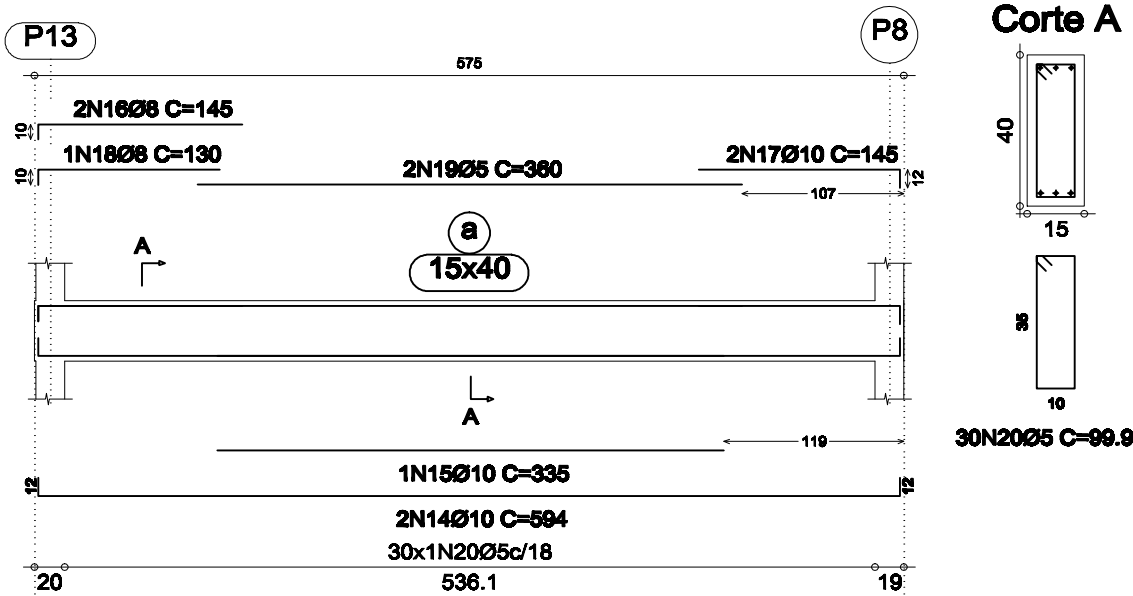
V 21



V 20



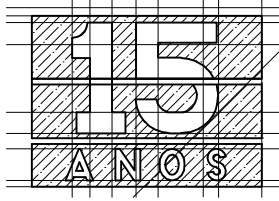
V 22



Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V 20	1	Ø10	2	12	570	12	594	1188	7.5	
	2	Ø10	1		390		390	390	2.4	
	3	Ø8	2		130	10	140	280	1.1	
	4	Ø6.3	2	8	132		140	280	0.7	
	5	Ø6.3	1		117	8	125	125	0.3	
	6	Ø5	2		355		355	710		1.1
	7	Ø5	28				110	3080		4.8
Total+10%:									13.2	6.5
V 21	8	Ø10	2	12	615	12	639	1278	8.0	
	9	Ø8	2	17	168		185	370	1.5	
	10	Ø6.3	2		142	8	150	300	0.7	
	11	Ø10	1	14	126		140	140	0.9	
	12	Ø5	2		355		355	710		1.1
	13	Ø5	30				110	3300		5.2
Total+10%:									12.2	6.9
V 22	14	Ø10	2	12	570	12	594	1188	7.5	
	15	Ø10	1		335		335	335	2.1	
	16	Ø8	2	10	135		145	290	1.1	
	17	Ø10	2		133	12	145	290	1.8	
	18	Ø8	1	10	120		130	130	0.5	
	19	Ø5	2		360		360	720		1.1
	20	Ø5	30				100	3000		4.7
Total+10%:									14.3	6.4
V 19	21	Ø12.5	2	15	570	15	600	1200	11.8	
	22	Ø12.5	1		430		430	430	4.2	
	23	Ø8	4	10	130		140	560	2.2	
	24	Ø6.3	2	8	117		125	250	0.6	
	25	Ø5	2		355		355	710		1.1
	26	Ø5	28				110	3080		4.8
Total+10%:									20.7	6.5
V 18	27	Ø10	2	12	619	12	643	1286	8.1	
	28	Ø10	1		270		270	270	1.7	
	29	Ø8	2	10	355		365	730	2.9	
	30	Ø6.3	1		125		125	125	0.3	
	31	Ø6.3	1	8	82		90	90	0.2	
	32	Ø5	2		289	6	295	590		0.9
	33	Ø5	25				120	3000		4.7
Total+10%:									14.5	6.2
									Ø5:	0.0
									Ø6.3:	3.1
									Ø8:	10.2
									Ø10:	44.0
									Ø12.5:	17.6
									Total:	74.9
										32.5

Meta

ENGENHARIA E PLANEJAMENTO



PROJETO ESTRUTURAL

OBRA 8º BATALHÃO DE BOMBEIROS MILITAR - CONV. PMT
AV. PATRÍCIO LIMA, 804 - HUMAITÁ - TUBARÃO - S.C.

ASSUNTO
VIGAS 2º PAVIMENTO

ÁREA: 610,43 M²

ESC.: INDICADA
DATA : MARÇO / 2018
PROJ.: 18-003

PRANCHA

C13

24

EQUIPE TÉCNICA

CHARLES MENDES DE SOUZA

CREA/SC 41.411-4

REVISÃO Nº

DATA

COMENTÁRIO

COLABORADOR

00

19/02/2018

EMISSION PARCIAL

ENG. CHARLES

01

19/03/2018

EMISSION FINAL

ENG. CHARLES

CHARLES MENDES DE SOUZA

PROPRIETÁRIO

R. Cel. José Martins Cabral, 42 - Sl 1 - Centro - Tubarão - S.C.

(48) 3622-2534 - projetos@metaengenharia.eng.br