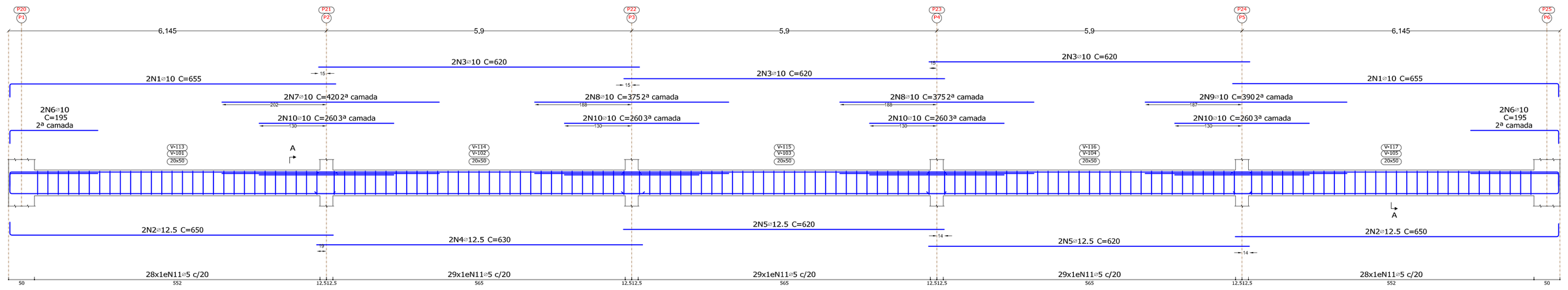
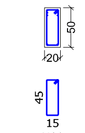
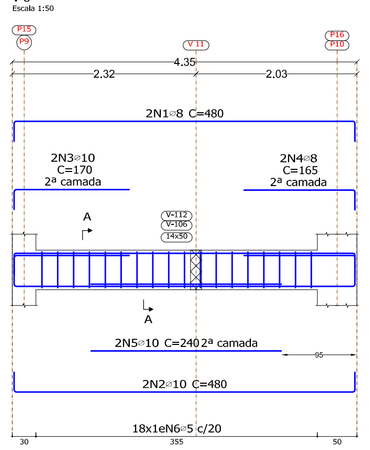
V 1
V 9
Escala 1:50



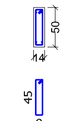
Seção A



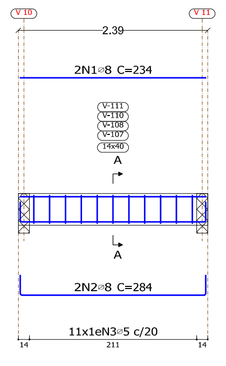
V 2
V 8
Escala 1:50



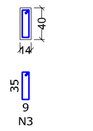
Seção A



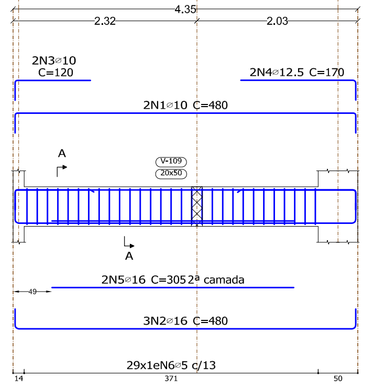
V 3
V 4
V 6
V 7
Escala 1:50



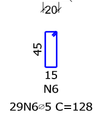
Seção A



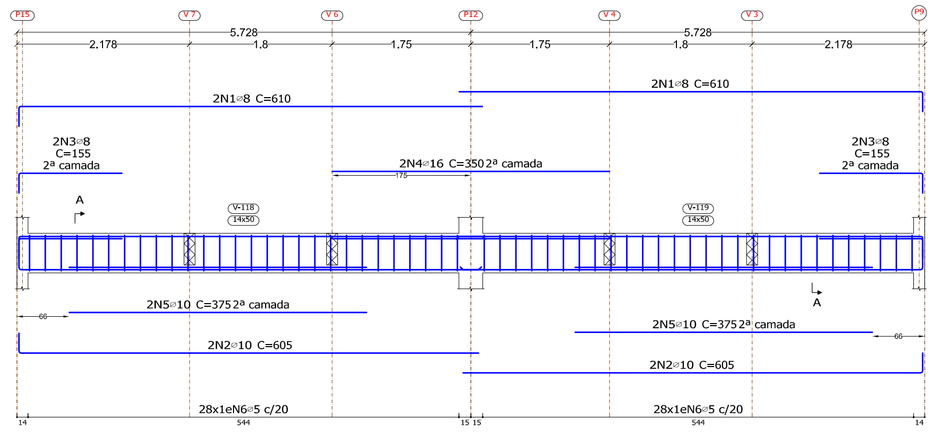
V 5
Escala 1:50



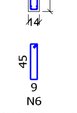
Seção A



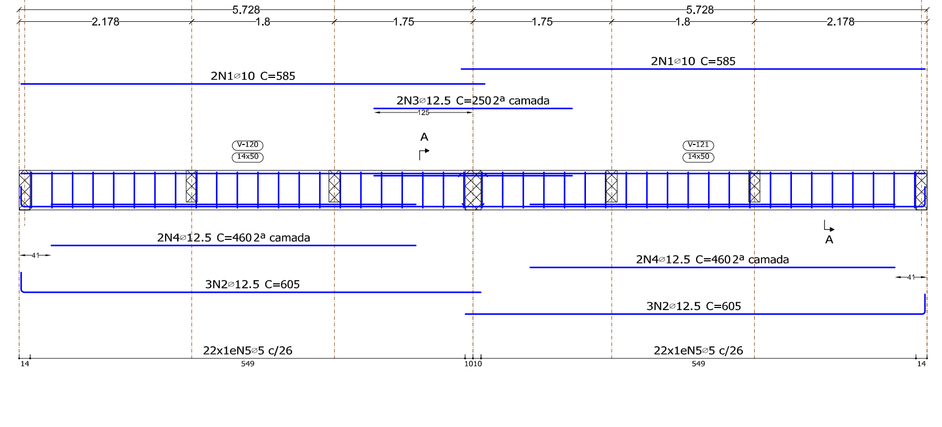
V 10
Escala 1:50



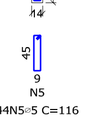
Seção A



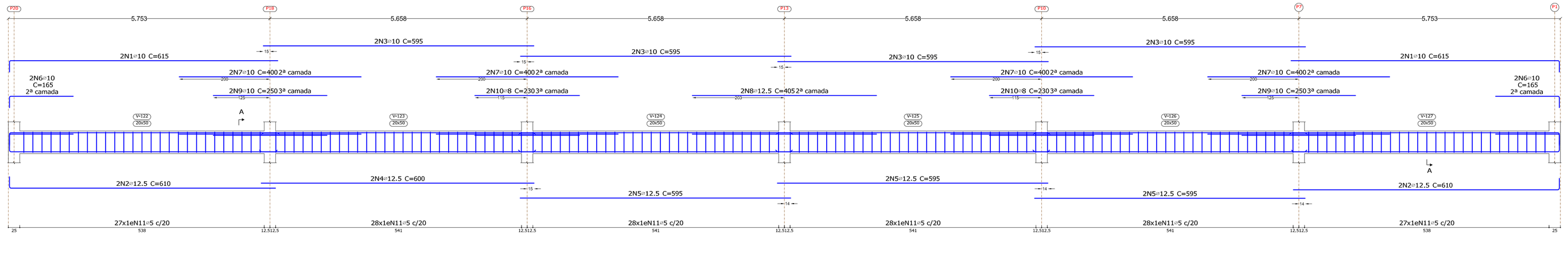
V 11
Escala 1:50



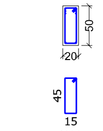
Seção A



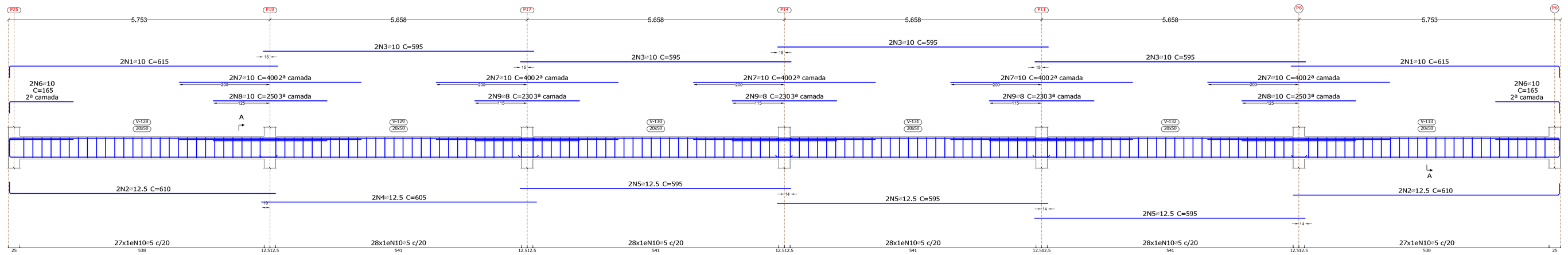
V 12
Escala 1:50



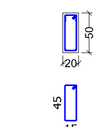
Seção A



V 13
Escala 1:50



Seção A



Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 1=V 9	1	=10	4	620	655	2620	16.1	
	2	=12.5	4	625	650	2600	25.0	
	3	=10	6	620	620	3720	22.9	
	4	=12.5	2	630	630	1260	12.1	
	5	=12.5	4	620	620	2480	23.9	
	6	=10	4	170	195	780	4.8	
	7	=10	2	420	420	840	5.2	
	8	=10	4	375	375	1500	9.2	
	9	=10	2	390	390	780	4.8	
	10	=10	8	260	260	2080	12.8	
	11	=5	143	15 15 15	128	18304		28.7
					Total+10%:		150.5	31.6
					(x2):		301.0	63.2
V 2=V 8	1	=8	2	430 15	480	960	3.8	
	2	=10	2	430 15	480	960	5.9	
	3	=10	2	165	170	340	2.1	
	4	=8	2	180 15	165	330	1.3	
	5	=10	2	240	240	480	3.0	
	6	=5	18	15 15 15	116	2088		3.3
					Total+10%:		17.7	3.6
					(x2):		35.4	7.2
V 3=V 4=V 6=V 7	1	=8	2	234	234	468	1.8	
	2	=8	2	15 234 15	284	568	2.2	
	3	=5	11	15 15 15	96	1056		1.7
					Total+10%:		4.4	1.9
					(x4):		17.6	7.6
V 5	1	=10	2	430 15	480	960	5.9	
	2	=16	3	15 430 15	480	1440	22.7	
	3	=10	2	55	120	240	1.5	
	4	=12.5	2	165 15	170	340	3.3	
	5	=16	2	305	305	610	9.6	
	6	=5	29	15 15 15	128	3712		5.8
					Total+10%:		47.3	6.4
V 10	1	=8	4	585	610	2440	9.6	
	2	=10	4	15 580	605	2420	14.9	
	3	=8	4	130	155	620	2.4	
	4	=16	2	350	350	700	11.1	
	5	=10	4	375	375	1500	9.2	
	6	=5	56	15 15 15	116	6496		10.2
					Total+10%:		51.9	11.2
V 11	1	=10	4	585	585	2340	14.4	
	2	=12.5	6	15 580	605	3630	35.0	
	3	=12.5	2	250	250	500	4.8	
	4	=12.5	4	460	460	1840	17.7	
	5	=5	44	15 15 15	116	5104		8.0
					Total+10%:		79.1	8.8

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 12	1	=10	4	390	615	2460	15.2	
	2	=12.5	4	585	610	2440	23.5	
	3	=10	8	595	595	4760	29.3	
	4	=12.5	2	600	600	1200	11.6	
	5	=12.5	6	595	595	3570	34.4	
	6	=10	4	180	165	660	4.1	
	7	=10	8	400	400	3200	19.7	
	8	=12.5	2	405	405	810	7.8	
	9	=10	4	250	250	1000	6.2	
	10	=8	4	230	230	920	3.6	
	11	=5	166	15 15 15	128	21248		33.4
					Total+10%:		169.8	36.7
V 13	1	=10	4	390	615	2460	15.2	
	2	=12.5	4	585	610	2440	23.5	
	3	=10	8	595	595	4760	29.3	
	4	=12.5	2	605	605	1210	11.7	
	5	=12.5	6	595	595	3570	34.4	
	6	=10	4	180	165	660	4.1	
	7	=10	10	400	400	4000	24.6	
	8	=10	4	250	250	1000	6.2	
	9	=8	6	230	230	1380	5.4	
	10	=5	166	15 15 15	128	21248		33.4
					Total+10%:		169.8	36.7
					=5:		0.0	177.8
					=8:		51.8	0.0
					=10:		810.7	0.0
					=12.5:		362.7	0.0
					=16:		47.8	0.0
					Total:		873.0	177.8

Baldrame
Desenho de vigas
Concreto: C30, em geral
Aço das barras: CA-50 e CA-60
Aço dos estribos: CA-50 e CA-60
Escala vigas 1:50
Escala seções 1:50
Escala aberturas 1:25

Resumo Aço Desenho de vigas		Comp. total (m)	Peso+10% (kg)	Total
CA-50	=8	120,8	52	
	=10	606.2	411	
	=12.5	342.3	363	
	=16	27.5	48	874
CA-60	=5	1028.2	178	178
Total				1052

Revisão:01	Descrição	Data

AMUREL 50 ANOS 1970-2020
ASSOCIAÇÃO DE MUNICÍPIOS DA REGIÃO DE AMURED
AMUREL

REPÚBLICA FEDERATIVA DO BRASIL
ESTADO DE SANTA CATARINA
MUNICÍPIO DE BRAÇO DO NORTE

Título

PROJETO ESTRUTURAL

Referencia: **QUADRA COBERTA MULTIOSO**
ÁREA TOTAL: 1.068,84m²

Conteúdo: **- VIGAS BALDRAME**

Endereço da Obra
AVISTOSO - BRAÇO DO NORTE - SC

Associado
MUNICÍPIO DE BRAÇO DO NORTE
CNPJ/MF:82.326.551/0001-45

Resp. Projeto
JEAN CARDOSO DE SOUZA
Eng. Civil - CREA/SC: 067975-0

Desenho: **JEAN C. DE SOUZA**
Art Nº: **0000000-0**
Ticket's Nº: **202251978 202150305**

Data: **JUNHO/2022**
Escala: **INDICADA**
Nome do Arquivo
Folha Nº: **05/09**

Direitos Autorais a Amurel – Lei 9.610/98 – Art. 7º, Itens X, XI XII, XIII.