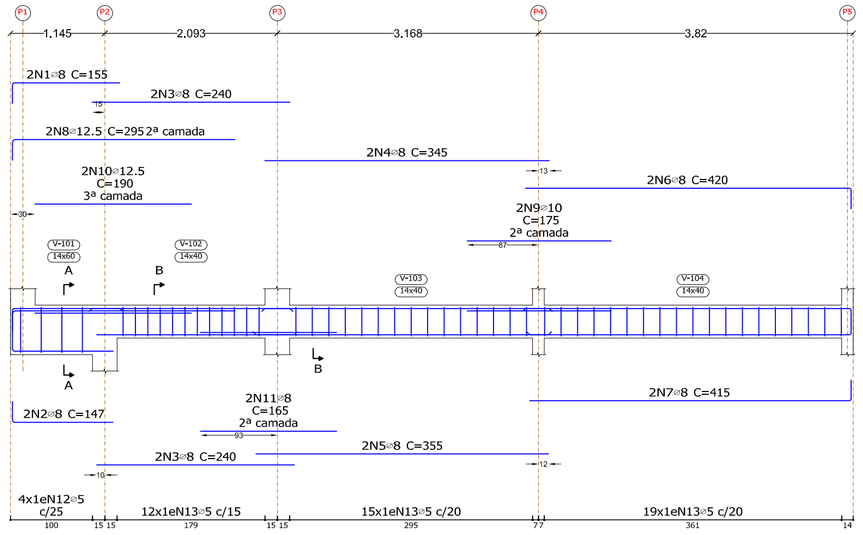
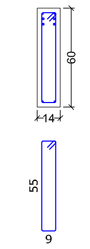
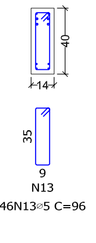
V 1
Escala vigas 1:50
Escala seções 1:25
Ver esperas no detalhamento de pilares ou vista de muros



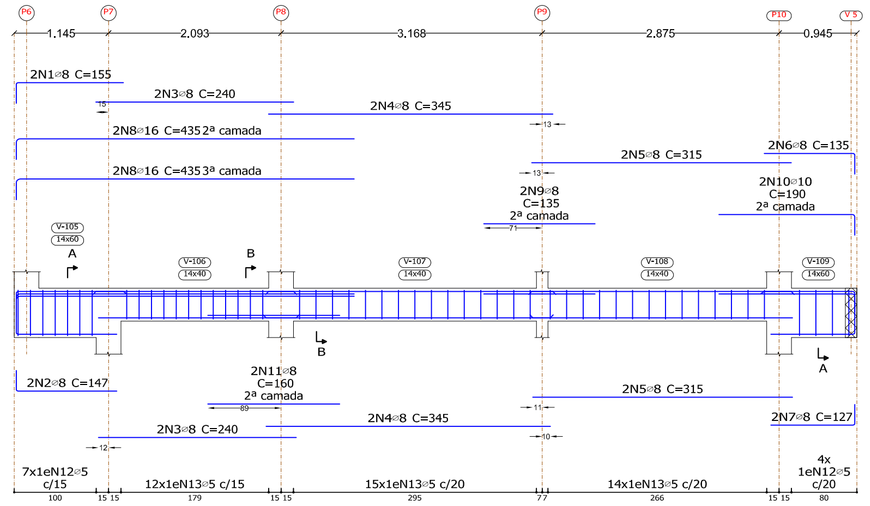
Seção A



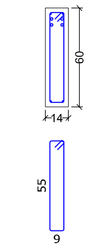
Seção B



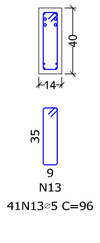
V 2
Escala vigas 1:50
Escala seções 1:25
Ver esperas no detalhamento de pilares ou vista de muros



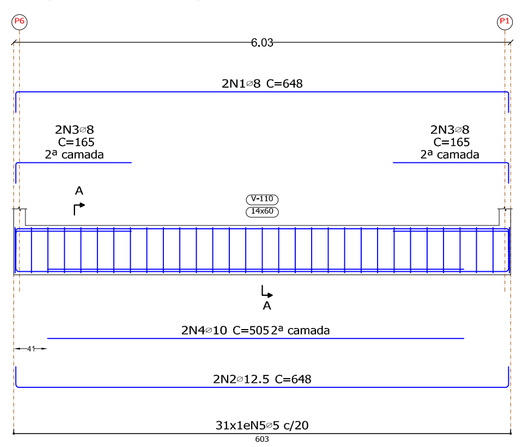
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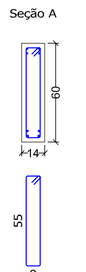
Seção B



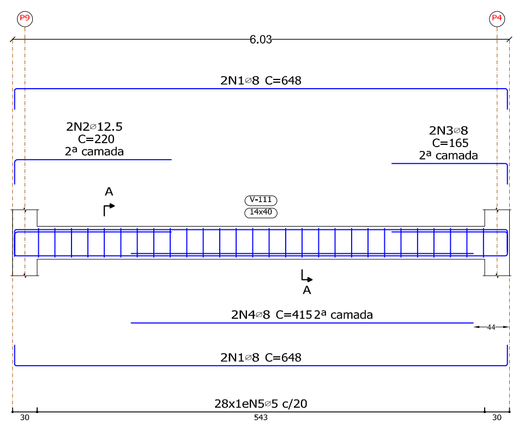
V 3
Escala vigas 1:50
Escala seções 1:25
Ver esperas no detalhamento de pilares ou vista de muros



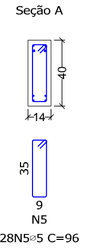
Seção A



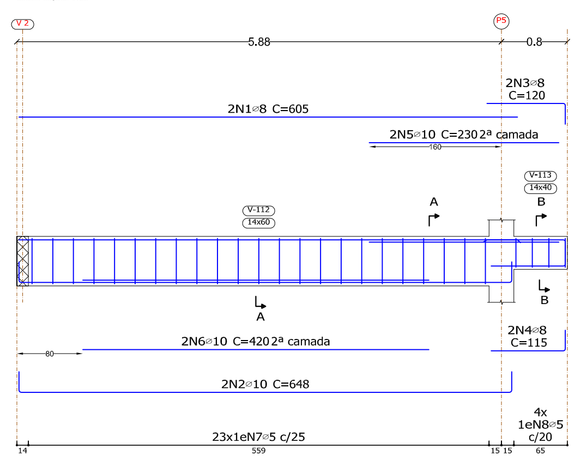
V 4
Escala vigas 1:50
Escala seções 1:25



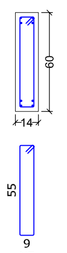
Seção A



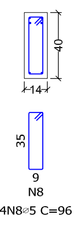
V 5
Escala vigas 1:50
Escala seções 1:25



Seção A



Seção B



Resumo Aço Desenho de vigas		Comp. total (m)	Peso+10% (kg)	Total
CA-50	⌀8	176.7	77	
	⌀10	43.4	29	
	⌀12.5	27.1	29	
	⌀16	17.4	30	165
CA-60	⌀5	208.1	36	36
Total				201

Baldrame
Desenho de vigas
Concreto: C25, em geral
Aço das barras: CA-50 e CA-60
Aço dos estribos: CA-50 e CA-60
Escala vigas 1:50
Escala seções 1:25
Escala aberturas 1:25

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 1	1	⌀8	2	10 130	155	310	1.2	
	2	⌀8	2	10 122	147	294	1.2	
	3	⌀8	4	240	240	960	3.8	
	4	⌀8	2	345	345	690	2.7	
	5	⌀8	2	355	355	710	2.8	
	6	⌀8	2	295 7.5	420	840	3.3	
	7	⌀8	2	390 7.5	415	830	3.3	
	8	⌀12.5	2	10 270	295	590	5.7	
	9	⌀10	2	175	175	350	2.2	
	10	⌀12.5	2	190	190	380	3.7	
	11	⌀8	2	165	165	330	1.3	
	12	⌀5	4	20 5 9	136	544		0.9
	13	⌀5	46	20 5 9	96	4416		6.9
						Total+10%:	34.3	8.6
V 2	1	⌀8	2	10 130	155	310	1.2	
	2	⌀8	2	10 122	147	294	1.2	
	3	⌀8	4	240	240	960	3.8	
	4	⌀8	4	345	345	1380	5.4	
	5	⌀8	4	315	315	1260	5.0	
	6	⌀8	2	110 7.5	135	270	1.1	
	7	⌀8	2	102 7.5	127	254	1.0	
	8	⌀16	4	10 410	435	1740	27.5	
	9	⌀8	2	135	135	270	1.1	
	10	⌀10	2	165 7.5	190	380	2.3	
	11	⌀8	2	160	160	320	1.3	
	12	⌀5	11	20 5 9	136	1496		2.3
	13	⌀5	41	20 5 9	96	3936		6.2
						Total+10%:	56.0	9.4
V 3	1	⌀8	2	10 598 7.5	648	1296	5.1	
	2	⌀12.5	2	10 598 7.5	648	1296	12.5	
	3	⌀8	4	10 160	165	660	2.6	
	4	⌀10	2	505	505	1010	6.2	
	5	⌀5	31	20 5 9	136	4216		6.6
						Total+10%:	29.0	7.3
V 4	1	⌀8	4	598 7.5	648	2592	10.2	
	2	⌀12.5	2	20 190	220	440	4.2	
	3	⌀8	2	140 7.5	165	330	1.3	
	4	⌀8	2	415	415	830	3.3	
	5	⌀5	28	20 5 9	96	2688		4.2
						Total+10%:	20.9	4.6
V 5	1	⌀8	2	605	605	1210	4.8	
	2	⌀10	2	10 598 7.5	648	1296	8.0	
	3	⌀8	2	95 7.5	120	240	0.9	
	4	⌀8	2	90 7.5	115	230	0.9	
	5	⌀10	2	230	230	460	2.8	
	6	⌀10	2	420	420	840	5.2	
	7	⌀5	23	20 5 9	136	3128		4.9
	8	⌀5	4	20 5 9	96	384		0.6
						Total+10%:	24.9	6.1
						⌀5:	0.0	36.0
						⌀8:	76.9	0.0
						⌀10:	29.3	0.0
						⌀12.5:	28.6	0.0
						⌀16:	30.3	0.0
						Total:	165.1	36.0

Revisão	Descrição	Data

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

Título

PROJETO ESTRUTURAL

Referencia
AMPLIAÇÃO:
Escola Pedro Marcolino Gesser

ÁREA A SER AMPLIADA: 94,04m²
ÁREA TOTAL: 719,99m²

Conteúdo
Vigas Baldrame

Endereço da Obra
RUA JOÃO BLOEMER FILHO - VILA NOVA - BRAÇO DO NORTE/SC

Associado

Resp. Projeto
Assinado de forma digital por JEAN CARDOSO DE SOUZA:01757174940 Dados: 2022.04.11 16:32:18 -03'00'
Jean Cardoso de Souza
Engº Civil - CREA/SC: 067975-0

MUNICIPIO DE BRAÇO DO NORTE
CNPJ/MF - 82.926.551/0001-45

Desenho: **JEAN**
Art Nº: **0000000-0**
Ticket Nº: **202149499**
Data: **ABRIL/2022**
Escala: **INDICADA**
Nome do Arquivo:
Folha Nº: **03/04**

AMUREL 50 ANOS 1970-2020
ASSOCIAÇÃO DE MUNICÍPIOS DA REGIÃO DE LAGUNA
REGISTRO CREA/SC 116.674-8; REGISTRO CAU 326864-9

Direitos Autorais a Amurel –Lei 9.610/98 – Art. 7º, itens X, XI Xll, Xlll.

A1