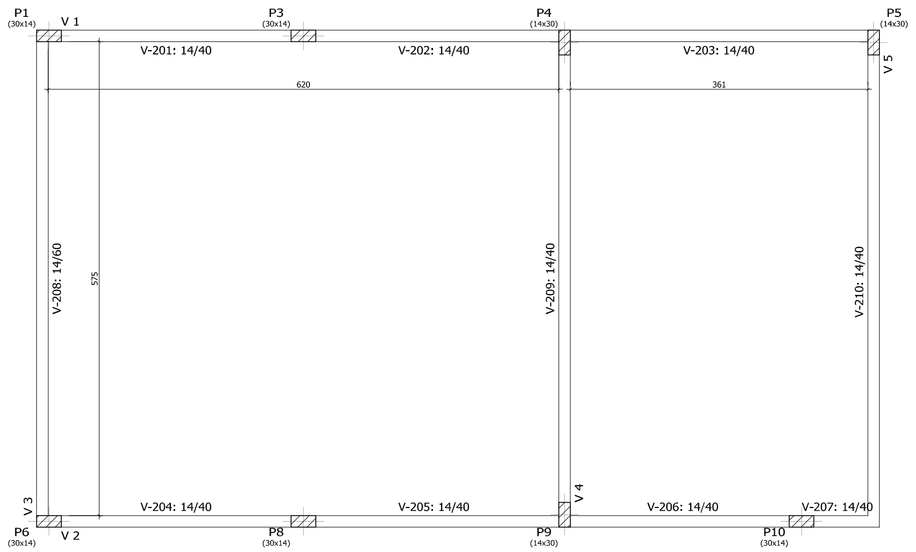


PLANTA DE FORMAS - Cobertura

Escala: 1/75

0,20 m

PILAR CONTINUA

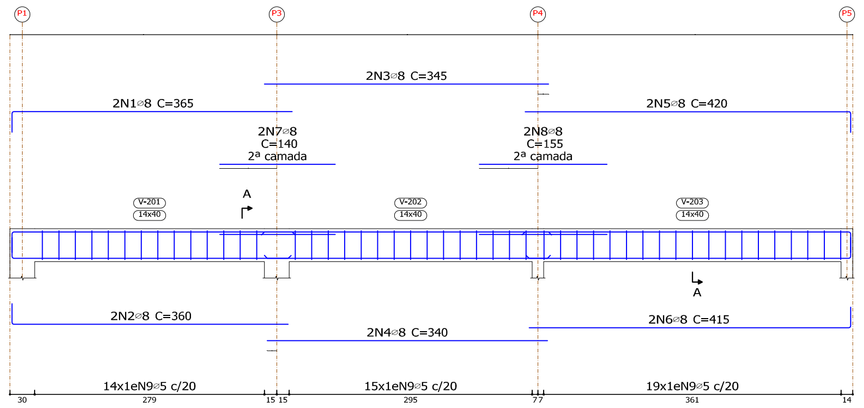
PILAR NASCE

PILAR MORRE

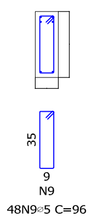
Cobertura				
Elemento	Formas (m2)	Superficie (m2)	Volume (m3)	Barras (kg)
Vigas	30.54	4.94	2.310	162
Pilares	17.40	-	0.830	105
Total	-	4.94	3.140	267
Índices (por m2)	-	-	0.595	50.57
Superfície total: 5.28 m2				

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 1	1	⌀8	2	10 340	365	730	2.9	
	2	⌀8	2	10 335	360	720	2.8	
	3	⌀8	2	345	345	690	2.7	
	4	⌀8	2	340	340	680	2.7	
	5	⌀8	2	395 10	420	840	3.3	
	6	⌀8	2	390 10	415	830	3.3	
	7	⌀8	2	140	140	280	1.1	
	8	⌀8	2	155	155	310	1.2	
	9	⌀5	48	35 5 5 9	96	4608		7.2
						Total+10%:	22.0	7.9
V 2	1	⌀8	2	10 340	365	730	2.9	
	2	⌀8	2	10 335	360	720	2.8	
	3	⌀8	2	345	345	690	2.7	
	4	⌀8	2	340	340	680	2.7	
	5	⌀8	2	395 10	420	840	3.3	
	6	⌀8	2	390 10	415	830	3.3	
	7	⌀8	2	140	140	280	1.1	
	8	⌀8	2	135	135	270	1.1	
	9	⌀8	2	165	165	330	1.3	
	10	⌀5	48	35 5 5 9	96	4608		7.2
						Total+10%:	23.3	7.9
V 3	1	⌀8	2	10 598 10	648	1296	5.1	
	2	⌀10	2	10 598 10	648	1296	8.0	
	3	⌀8	4	10 135	160	640	2.5	
	4	⌀10	2	355	355	710	4.4	
	5	⌀5	23	35 5 5 9	136	3128		4.9
						Total+10%:	22.0	5.4
V 4	1	⌀8	4	10 598 10	648	2592	10.2	
	2	⌀8	2	10 140	165	330	1.3	
	3	⌀8	2	475	475	950	3.8	
	4	⌀5	28	35 5 5 9	96	2688		4.2
						Total+10%:	16.8	4.6
V 5	1	⌀8	2	598 10	623	1246	4.9	
	2	⌀16	2	10 598 10	648	1296	20.5	
	3	⌀16	2	535	535	1070	16.9	
	4	⌀5	28	35 5 5 9	96	2688		4.2
						Total+10%:	46.5	4.6
						⌀5:	0.0	30.4
						⌀8:	75.9	0.0
						⌀10:	13.6	0.0
						⌀16:	41.1	0.0
						Total:	130.6	30.4

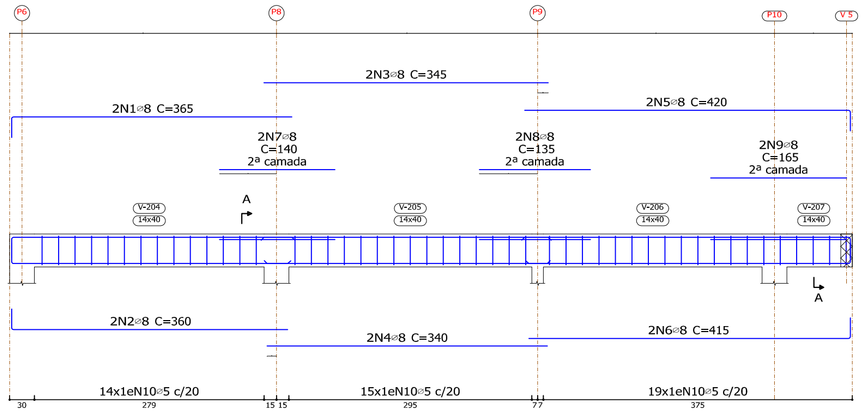
V 1
Escala vigas 1:50
Escala seções 1:25



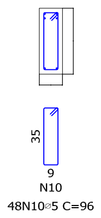
Seção A



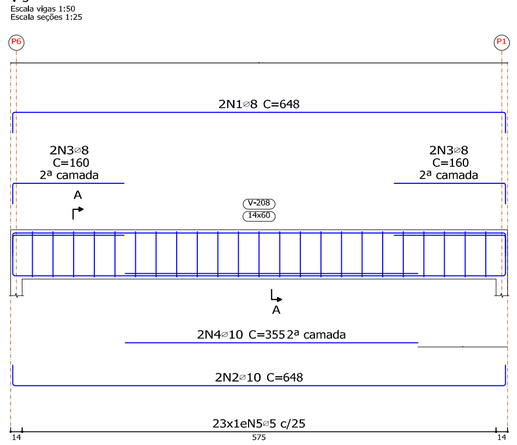
V 2
Escala vigas 1:50
Escala seções 1:25



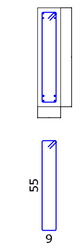
Seção A



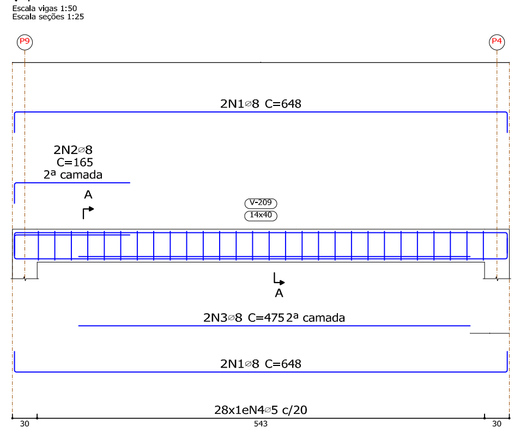
V 3
Escala vigas 1:50
Escala seções 1:25



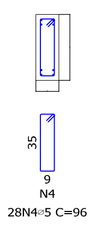
Seção A



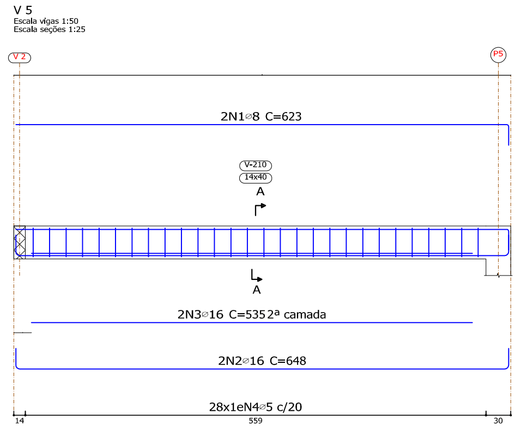
V 4
Escala vigas 1:50
Escala seções 1:25



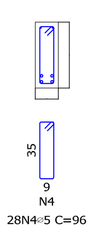
Seção A



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



Seção A



Resumo Aço Desenho de vigas		Comp. total (m)	Peso+10% (kg)	Total
CA-50	⌀8	175.0	76	
	⌀10	20.1	14	
	⌀16	23.7	41	131
CA-60	⌀5	177.2	31	31
Total				162

Revisão	Descrição	Data

AMUREL 5 ANOS 1970-2020
ASSOCIAÇÃO DE MUNICÍPIOS DA REGIÃO DE LAGUNA
REGISTRO CREA/SC 116.670-0; REGISTRO CAU 32866-9

Título

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

PROJETO ESTRUTURAL

Referência

AMPLIAÇÃO:
Escola Pedro Marcolino Gesser

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

Conteúdo

Formas Cobertura
Vigas Cobertura

Endereço da Obra

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

Associado

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

Resp. Projeto

Assinado de forma digital por JEAN CARDOSO DE SOUZA:01717474940
Dados: 2022.04.11 16:52:49 -03'00'

Jean Cardoso de Souza
Engº Civil - CREA/SC: 067975-0

Desenho: **JEAN**
Art Nº: **0000000-0**
Ticket Nº: **202149499**

Data: **ABRIL/2022**
Escala: **INDICADA**
Nome do Arquivo:
Folha Nº: **04/04**

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

A1