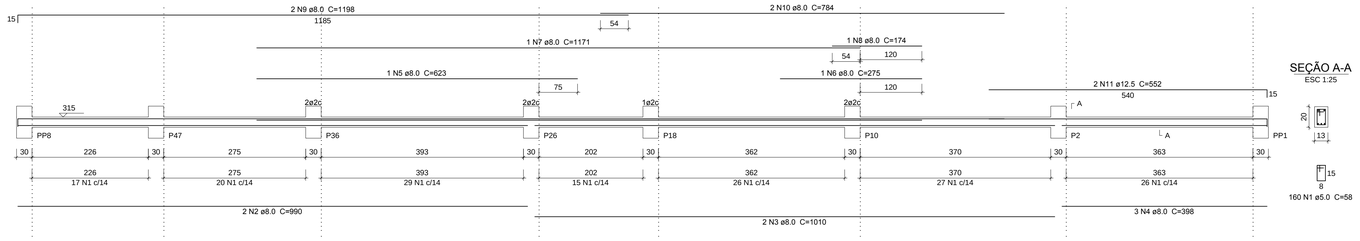
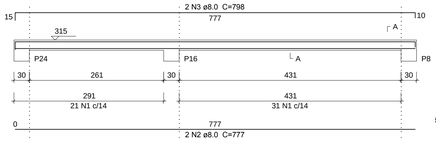
V47 (13 x 20)
ESC 1:50



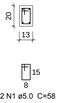
SEÇÃO A-A
ESC 1:25

160 N1 ø5.0 C=58

V64 (13 x 20)
ESC 1:50

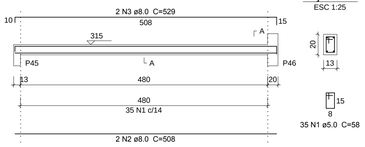


SEÇÃO A-A
ESC 1:25



52 N1 ø5.0 C=58

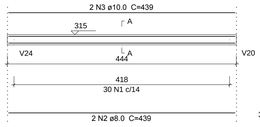
V39 (13 x 20)
ESC 1:50



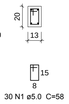
SEÇÃO A-A
ESC 1:25

35 N1 ø5.0 C=58

V65 (13 x 20)
ESC 1:50

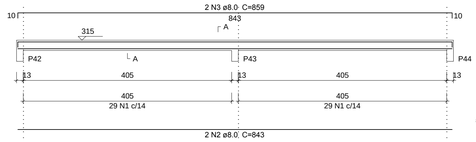


SEÇÃO A-A
ESC 1:25

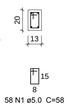


30 N1 ø5.0 C=58

V38 (13 x 20)
ESC 1:50

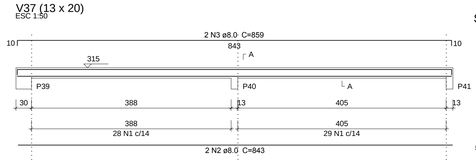


SEÇÃO A-A
ESC 1:25



58 N1 ø5.0 C=58

V37 (13 x 20)
ESC 1:50



SEÇÃO A-A
ESC 1:25

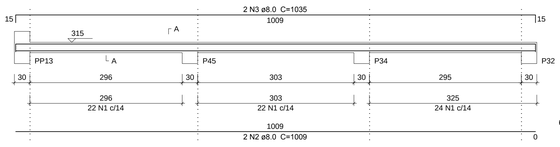
57 N1 ø5.0 C=58

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	586.3	231.3
	10.0	8.8	5.4
	12.5	11.1	10.6
	16.0	92.7	146.3
CA60	5.0	542.9	83.7
PESO TOTAL (kg)			
CA50	393.7		
CA60	83.7		

Volume de concreto (C-30) = 3.58 m³
Área de forma = 72.89 m²

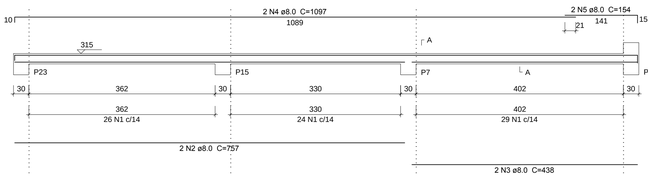
V62 (13 x 20)
ESC 1:50



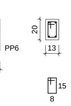
SEÇÃO A-A
ESC 1:25

68 N1 ø5.0 C=58

V63 (13 x 20)
ESC 1:50

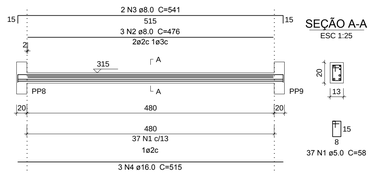


SEÇÃO A-A
ESC 1:25



79 N1 ø5.0 C=58

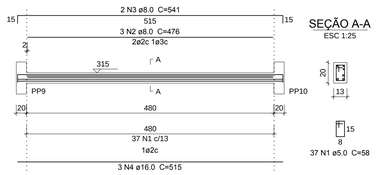
V41 (13 x 20)
ESC 1:50



SEÇÃO A-A
ESC 1:25

37 N1 ø5.0 C=58

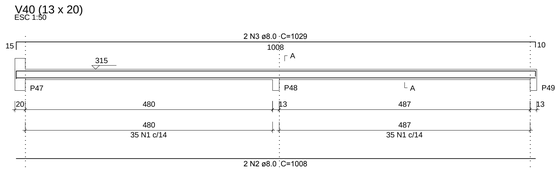
V42 (13 x 20)
ESC 1:50



SEÇÃO A-A
ESC 1:25

37 N1 ø5.0 C=58

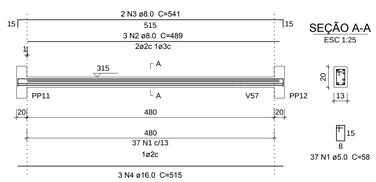
V40 (13 x 20)
ESC 1:50



SEÇÃO A-A
ESC 1:25

70 N1 ø5.0 C=58

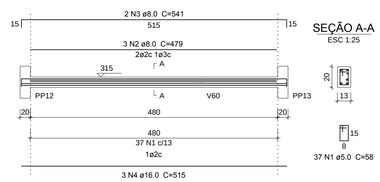
V44 (13 x 20)
ESC 1:50



SEÇÃO A-A
ESC 1:25

37 N1 ø5.0 C=58

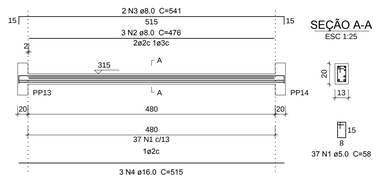
V45 (13 x 20)
ESC 1:50



SEÇÃO A-A
ESC 1:25

37 N1 ø5.0 C=58

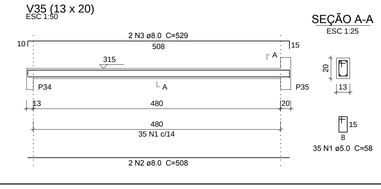
V46 (13 x 20)
ESC 1:50



SEÇÃO A-A
ESC 1:25

37 N1 ø5.0 C=58

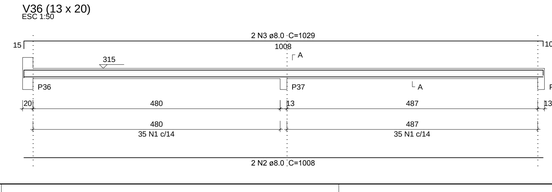
V35 (13 x 20)
ESC 1:50



SEÇÃO A-A
ESC 1:25

35 N1 ø5.0 C=58

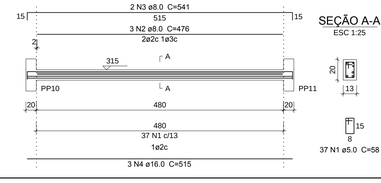
V36 (13 x 20)
ESC 1:50



SEÇÃO A-A
ESC 1:25

70 N1 ø5.0 C=58

V43 (13 x 20)
ESC 1:50



SEÇÃO A-A
ESC 1:25

37 N1 ø5.0 C=58

Relação do aço

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
V35	CA60	1	5.0	35	58	2030
	CA50	2	8.0	2	508	1016
	CA50	3	8.0	2	529	1058
V36	CA60	1	5.0	70	58	4060
	CA50	2	8.0	2	1008	2016
	CA50	3	8.0	2	1029	2058
V37	CA60	1	5.0	57	58	3306
	CA50	2	8.0	2	843	1686
	CA50	3	8.0	2	859	1718
V38	CA60	1	5.0	58	58	3364
	CA50	2	8.0	2	843	1686
	CA50	3	8.0	2	859	1718
V39	CA60	1	5.0	35	58	2030
	CA50	2	8.0	2	508	1016
	CA50	3	8.0	2	529	1058
V40	CA60	1	5.0	70	58	4060
	CA50	2	8.0	2	1008	2016
	CA50	3	8.0	2	1029	2058
V41	CA60	1	5.0	37	58	2146
	CA50	2	8.0	3	476	1428
	CA50	3	8.0	2	541	1082
	CA50	4	16.0	3	515	1545
V42	CA60	1	5.0	37	58	2146
	CA50	2	8.0	3	476	1428
	CA50	3	8.0	2	541	1082
	CA50	4	16.0	3	515	1545
V43	CA60	1	5.0	37	58	2146
	CA50	2	8.0	3	476	1428
	CA50	3	8.0	2	541	1082
	CA50	4	16.0	3	515	1545
V44	CA60	1	5.0	37	58	2146
	CA50	2	8.0	3	489	1467
	CA50	3	8.0	2	541	1082
	CA50	4	16.0	3	515	1545
V45	CA60	1	5.0	37	58	2146
	CA50	2	8.0	3	479	1437
	CA50	3	8.0	2	541	1082
	CA50	4	16.0	3	515	1545
V46	CA60	1	5.0	37	58	2146
	CA50	2	8.0	3	476	1428
	CA50	3	8.0	2	541	1082
	CA50	4	16.0	3	515	1545
V47	CA60	1	5.0	160	58	9280
	CA50	2	8.0	2	990	1980
	CA50	3	8.0	2	1010	2020
	CA50	4	8.0	3	398	1194
	CA50	5	8.0	1	623	623
	CA50	6	8.0	1	275	275
	CA50	7	8.0	1	1171	1171
	CA50	8	8.0	1	174	174
	CA50	9	8.0	2	1198	2396
	CA50	10	8.0	2	784	1568
	CA50	11	12.5	2	552	1104
V62	CA60	1	5.0	68	58	3944
	CA50	2	8.0	2	1009	2018
	CA50	3	8.0	2	1035	2070
V63	CA60	1	5.0	79	58	4582
	CA50	2	8.0	2	757	1514
	CA50	3	8.0	2	438	876
	CA50	4	8.0	2	1097	2194
	CA50	5	8.0	2	154	308
V64	CA60	1	5.0	52	58	3016
	CA50	2	8.0	2	777	1554
	CA50	3	8.0	2	798	1596
V65	CA60	1	5.0	30	58	1740
	CA50	2	8.0	2	439	878
	CA50	3	10.0	2	439	878

NOTAS GERAIS

1 - DIMENSÕES E ELEVAÇÕES EM CENTIMETRO
2 - TAXA ADMISSIVEL DO TERRENO 1.0Kg/cm² (Estimada)

REVISÕES	DATA	VISTO
5		
4		
3		
2		
1		

PROPRIETÁRIO:	Prefeitura Municipal de Macaiba
OBRA:	Complexo Esportivo de Macaiba
ENDEREÇO:	Rua José Coelho, Vila Olímpica -Macaiba/RN
AUTOR DO PROJETO:	Engº Manoel Benevides Filho

PROPRIETÁRIO: Prefeitura de Macaiba

AUTOR DO PROJETO: Manoel Benevides Filho CREA: 2100942603

EMPROTEC ENGENHARIA
PROJETANDO O FUTURO
EMPRESA DE PROJETOS TÉCNICOS E CONSTRUÇÃO CIVIL LTDA
CNPJ: 10.465.460/0001-10
AVENIDA JOSÉ FERREIRA DE MEDEIROS, 188, 3 A 1
SANTA CRUZ/RN - CEP: 59.200-000
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E-MAIL: emprotecengenharia@gmail.com

PREFEITURA MUNICIPAL DE MACAIBA
SECRETARIA MUNICIPAL DE INFRAESTRUTURA
Setor de Engenharia
Rua Dr. Pedro Matos, 910, Centro-Macaiba/RN - CEP: 59280-000

Projeto Estrutural com Fundações	DESENHO: Benevides	EST 13/15
CONTEÚDO: Alojamento Detalhes do Pav. Pórtico 3/4	ÁREA: 733,86 m²	ESCALA: Indicada
		DATA: Jan / 2019