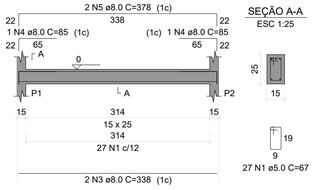
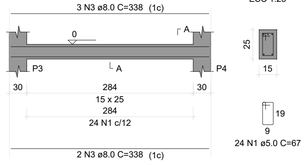
V1
ESC 1:50



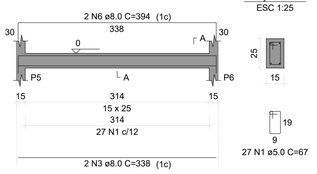
SEÇÃO A-A
ESC 1:25

V2
ESC 1:50



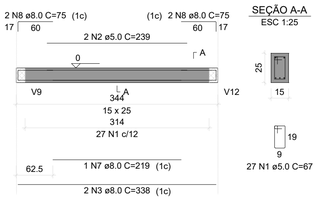
SEÇÃO A-A
ESC 1:25

V3
ESC 1:50



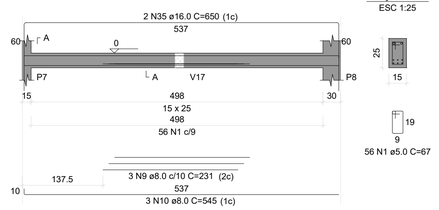
SEÇÃO A-A
ESC 1:25

V4
ESC 1:50



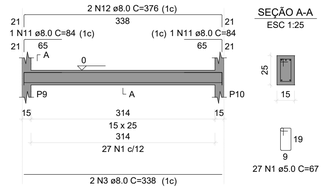
SEÇÃO A-A
ESC 1:25

V5
ESC 1:50



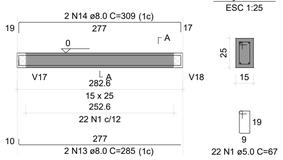
SEÇÃO A-A
ESC 1:25

V6
ESC 1:50



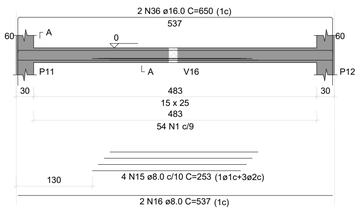
SEÇÃO A-A
ESC 1:25

V7
ESC 1:50

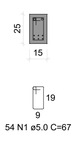


SEÇÃO A-A
ESC 1:25

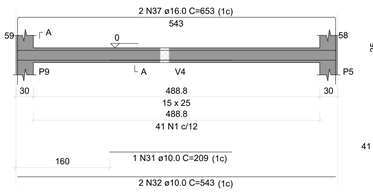
V8
ESC 1:50



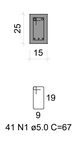
SEÇÃO A-A
ESC 1:25



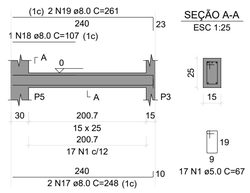
V9
ESC 1:50



SEÇÃO A-A
ESC 1:25

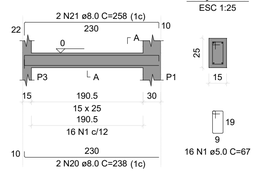


V10
ESC 1:50



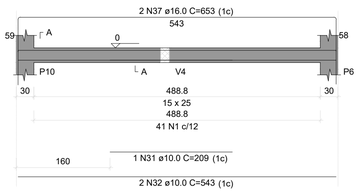
SEÇÃO A-A
ESC 1:25

V11
ESC 1:50

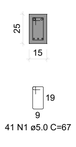


SEÇÃO A-A
ESC 1:25

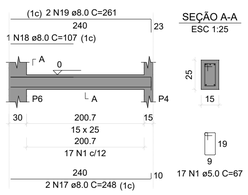
V12
ESC 1:50



SEÇÃO A-A
ESC 1:25

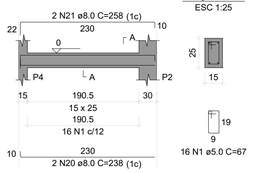


V13
ESC 1:50



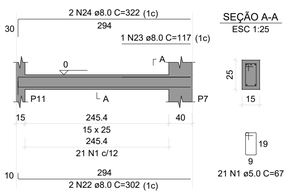
SEÇÃO A-A
ESC 1:25

V14
ESC 1:50



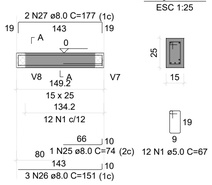
SEÇÃO A-A
ESC 1:25

V15
ESC 1:50



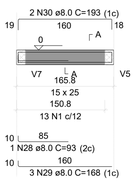
SEÇÃO A-A
ESC 1:25

V16
ESC 1:50

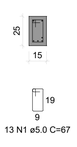


SEÇÃO A-A
ESC 1:25

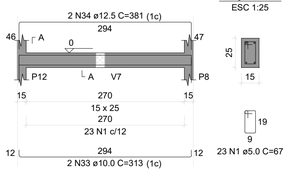
V17
ESC 1:50



SEÇÃO A-A
ESC 1:25



V18
ESC 1:50



SEÇÃO A-A
ESC 1:25

RELAÇÃO DO AÇO

V1 V2 V3
V4 V5 V6
V7 V8 V9
V10 V11 V12
V13 V14 V15
V16 V17 V18

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	481	67	32227
	2	5.0	2	239	478
CA50	3	8.0	13	338	4394
	4	8.0	2	85	170
	5	8.0	2	378	756
	6	8.0	2	394	788
	7	8.0	1	219	219
	8	8.0	4	75	300
	9	8.0	3	231	693
	10	8.0	3	545	1635
	11	8.0	2	84	168
	12	8.0	2	376	752
	13	8.0	2	285	570
	14	8.0	2	309	618
	15	8.0	4	253	1012
	16	8.0	2	537	1074
	17	8.0	4	248	992
	18	8.0	2	107	214
	19	8.0	4	261	1044
	20	8.0	4	238	952
	21	8.0	4	258	1032
	22	8.0	2	302	604
	23	8.0	1	117	117
	24	8.0	2	322	644
	25	8.0	1	74	74
	26	8.0	3	151	453
	27	8.0	2	177	354
	28	8.0	1	93	93
	29	8.0	3	168	504
	30	8.0	2	193	386
	31	10.0	2	209	418
	32	10.0	4	543	2172
	33	10.0	2	313	626
	34	12.5	2	381	762
	35	16.0	2	650	1300
	36	16.0	2	650	1300
	37	16.0	4	653	2612

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	206.1	89.5
	10.0	32.2	21.8
	12.5	7.6	8.1
	16.0	52.1	90.5
CA60	5.0	327.1	55.5

PESO TOTAL (kg)	
CA50	209.8
CA60	55.5

Volume de concreto (C-25) = 2.02 m³
Área de forma = 34.87 m²

MARCOS AURELIO DE PAIVA REGO:50334409420

Assinado de forma digital por MARCOS AURELIO DE PAIVA REGO:50334409420
Dados: 2025.11.28 16:18:37 -03'00'

gov.br Documento assinado digitalmente
JOSE AROLDO QUEIROGA DE MORAIS
Data: 28/11/2025 16:28:38-0300
Verifique em https://validar.iti.gov.br

Propietário: Consórcio Intermunicipal Multifinalitário dos Municípios do Oeste Potiguar – CIMOP

Autor: JOSÉ AROLDO QUEIROGA DE MORAIS
Eng. Civil CREARN 210.417.062-1

Execução:

Fiscalização:

Título:
PROJETO DE ESTRUTURAS PARA CONSTRUÇÃO DE GAPÃO DE TRIAGEM

Endereço:
RIO GRANDE DO NORTE

Conteúdo:
DETALHAMENTO VIGAS – REFEITORIO E GUARITA

Prancha: 10/14

Desenho: Aroldo Queiroga

Escalas: INDICADAS

Data: NOV/2025

Modificação:

Observação:

DIREITOS AUTORAIS RESERVADOS: PROIBIDA QUALQUER MODIFICAÇÃO NO TODO OU EM PARTE, SEM AUTORIZAÇÃO POR ESCRITO DO AUTOR.
DO PROJETO