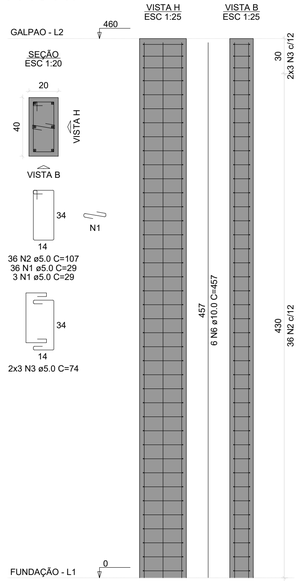
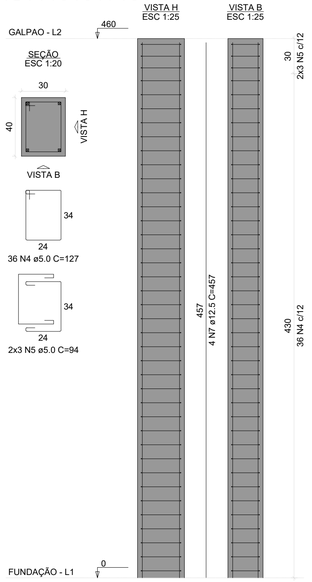
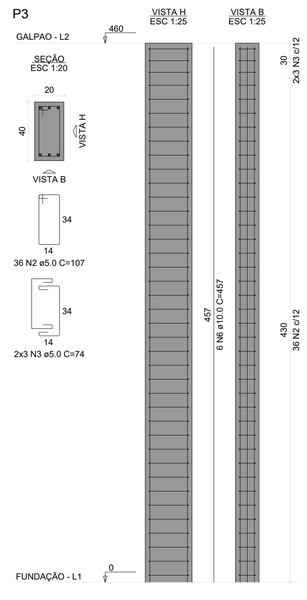
P1=P9=P11



P2=P4=P5=P6=P7=P8=P10



P3



RELAÇÃO DO AÇO

3xP1 7xP2 P3

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	117	29	3393
	2	5.0	144	107	15408
	3	5.0	24	74	1776
	4	5.0	252	127	32004
	5	5.0	42	94	3948
CA50	6	10.0	24	457	10968
	7	12.5	28	457	12796

RESUMO DO AÇO

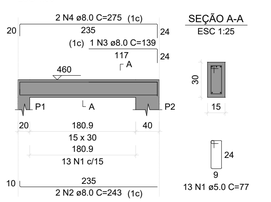
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	109.7	74.4
	12.5	128	135.6
CA60	5.0	585.3	95.8

PESO TOTAL (kg)	
CA50	210
CA60	95.8

Volume de concreto (C-25) = 5.34 m³
Área de forma = 67.16 m²

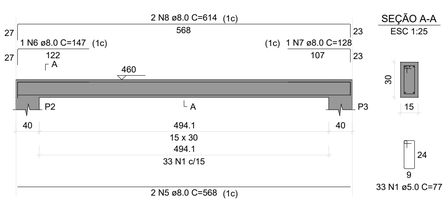
V1

ESC 1:50



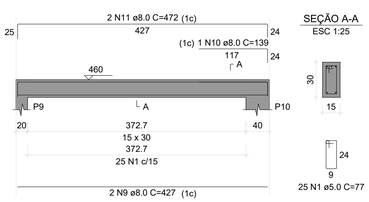
V2

ESC 1:50



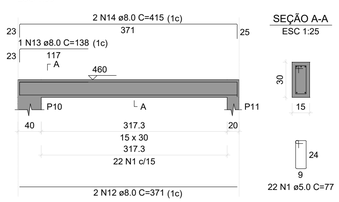
V3

ESC 1:50



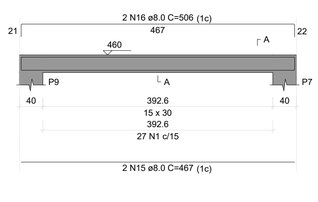
V4

ESC 1:50



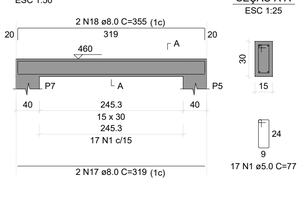
V5

ESC 1:50



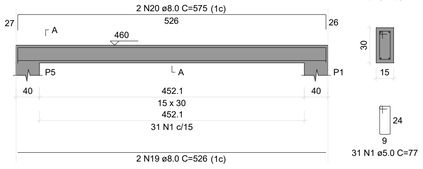
V6

ESC 1:50



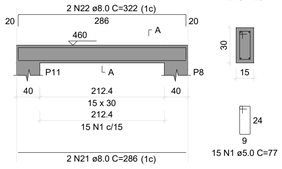
V7

ESC 1:50



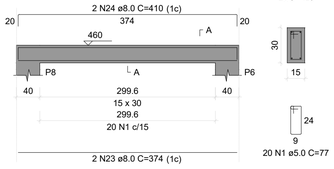
V8

ESC 1:50



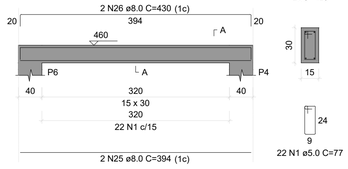
V9

ESC 1:50



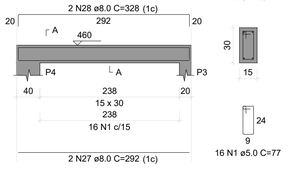
V10

ESC 1:50



V11

ESC 1:50



RELAÇÃO DO AÇO

V1 V2 V3
V4 V5 V6
V7 V8 V9
V10 V11

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	241	77	18557
CA50	2	8.0	2	243	486
	3	8.0	1	139	139
	4	8.0	2	275	550
	5	8.0	2	568	1136
	6	8.0	1	147	147
	7	8.0	1	128	128
	8	8.0	2	614	1228
	9	8.0	2	427	854
	10	8.0	1	139	139
	11	8.0	2	472	944
	12	8.0	2	371	742
	13	8.0	1	138	138
	14	8.0	2	415	830
	15	8.0	2	467	934
	16	8.0	2	506	1012
	17	8.0	2	319	638
	18	8.0	2	355	710
	19	8.0	2	526	1052
	20	8.0	2	575	1150
	21	8.0	2	286	572
	22	8.0	2	322	644
	23	8.0	2	374	748
	24	8.0	2	410	820
	25	8.0	2	394	788
	26	8.0	2	430	860
	27	8.0	2	292	584
	28	8.0	2	328	656

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	186.3	80.9
CA60	5.0	185.6	31.5

PESO TOTAL (kg)	
CA50	80.9
CA60	31.5

Volume de concreto (C-25) = 1.59 m³
Área de forma = 26.44 m²

MARCOS AURELIO DE PAIVA REGO:50334409420

Assinado de forma digital por MARCOS AURELIO DE PAIVA REGO:50334409420
Dados: 2025.11.28 16:05:49 -03'00'

gov.br Documento assinado digitalmente
JOSE AROLDO QUEIROGA DE MORAIS
Data: 28/11/2025 16:25:48-0300
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 E PILARES – GALPÃO

Prancha:
05/14

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