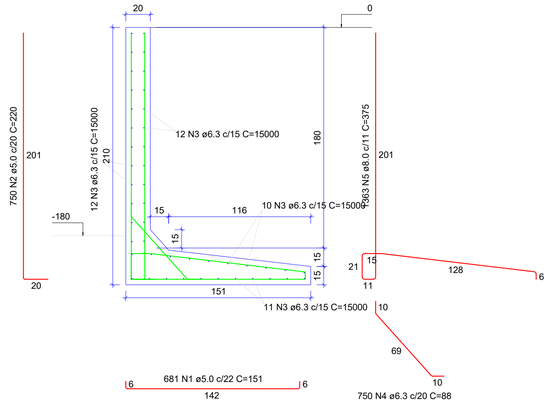
M1
ESC 1:25



RELAÇÃO DO AÇO

M1

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	681	151	102831
	2	5.0	750	220	165000
CA50	3	6.3	45	15000	675000
	4	6.3	750	88	66000
	5	8.0	1363	375	511125

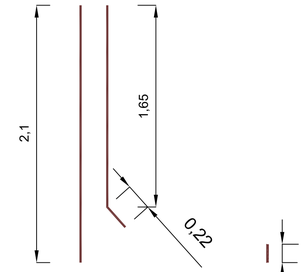
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 0% (Barras)	PESO + 0% (kg)
CA50	6.3	7410	618	1813.3
	8.0	5111.3	426	2016.8
CA60	5.0	2678.3	-	412.8

PESO TOTAL (kg)	
CA50	3830.1
CA60	412.8

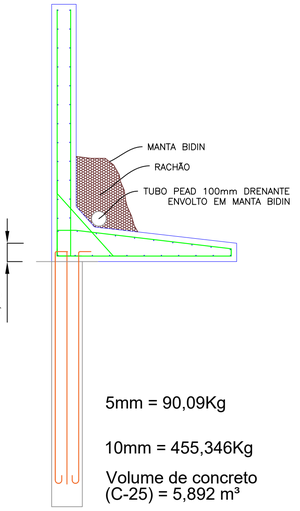
Volume de concreto (C-25) = 108.90 m³
Área de forma = 61,80 m²

FORMAS
ESC 1:25



FORMAS 15M = 61,8m²
PANO DE CONCRETAGEM 15m

SEÇÃO
ESC 1:25

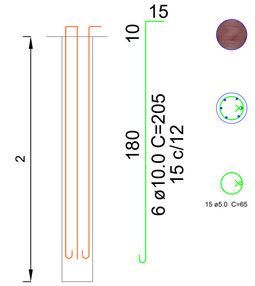


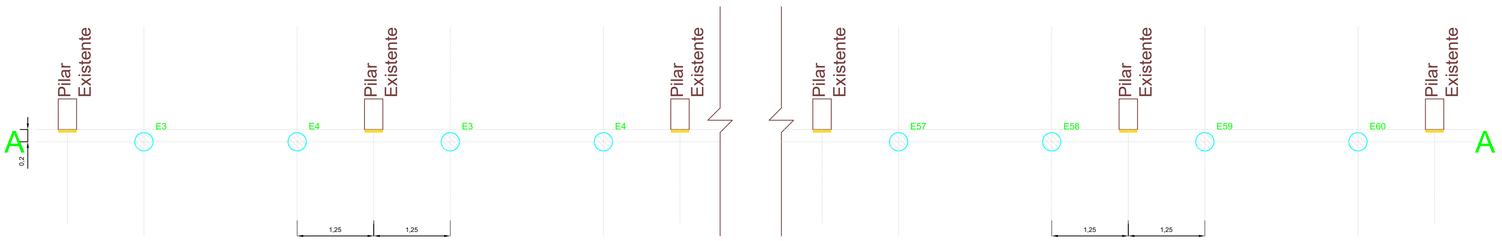
5mm = 90,09Kg

10mm = 455,346Kg

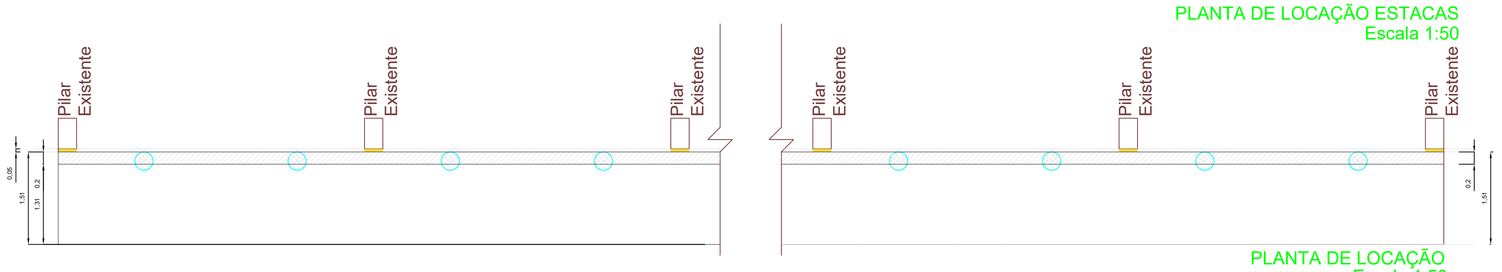
Volume de concreto (C-25) = 5,892 m³

SEÇÃO
ESC 1:25

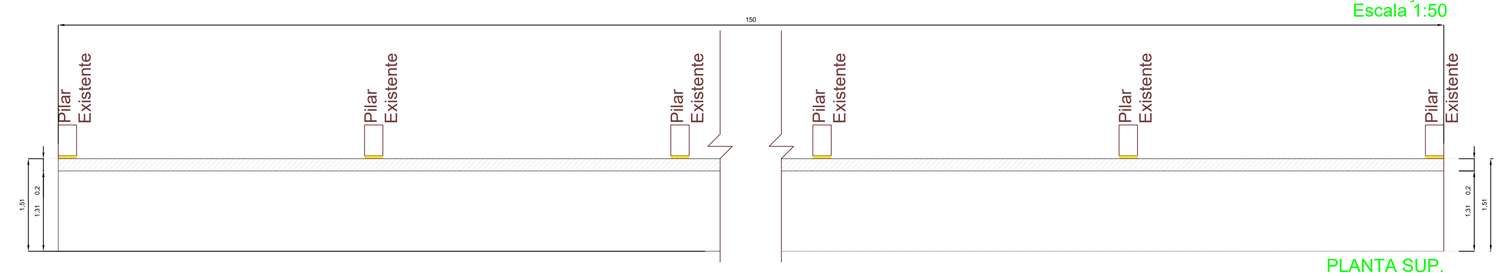




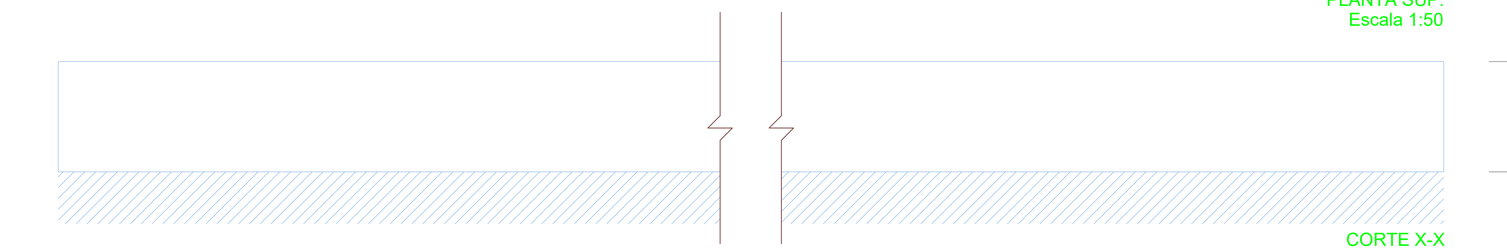
PLANTA DE LOCAÇÃO ESTACAS
Escala 1:50



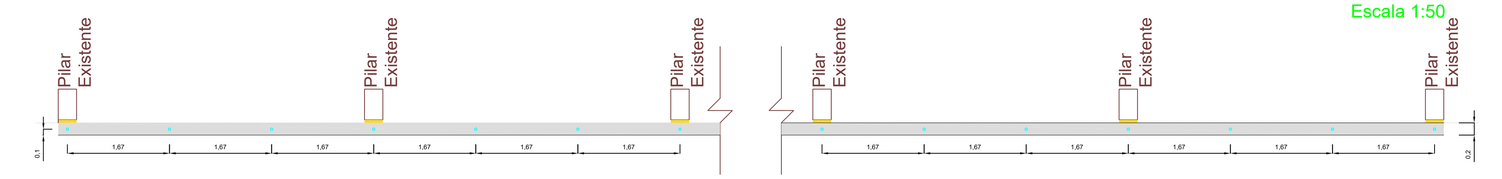
PLANTA DE LOCAÇÃO
Escala 1:50



PLANTA SUP.
Escala 1:50



CORTE X-X
Escala 1:50



APROVAÇÃO

PREFEITURA MUNICIPAL DE BITURUNA - PR

Av. Dr. Oscar Geyer, nº 489 - Centro — Tel.: (42) 3553-8080
CNPJ: 81.648.859/0001-03 CEP: 84640-000 — Bituruna - Paraná

Projeto:
MURO DE CONTENÇÃO

Cidade: ***BITURUNA***
Estado: ***PARANÁ***
Desenho: ***Gabriel Bertoletti Bordim*** ***CREA PR-214135/D***
Escala: ***INDICADA***
Data: ***AGOSTO/2026***

Referência:
DETALHAMENTO MURO PARQUE DE EVENTOS AVELINO ROVEDA

Revisão: ***00***

Folha: ***02 / 03***

Responsável Técnico:
LUIZ RENATO FRIEDRICH DE RAMOS:06439830902
Assinado de forma digital por LUIZ RENATO FRIEDRICH DE RAMOS:06439830902 Dados: 2026.09.22 08:56:41 -03'00'
LUIZ RENATO FRIEDRICH DE RAMOS
Engº Civil CREA 168233/D - PR

FRANCHA A1 - 841 x 594