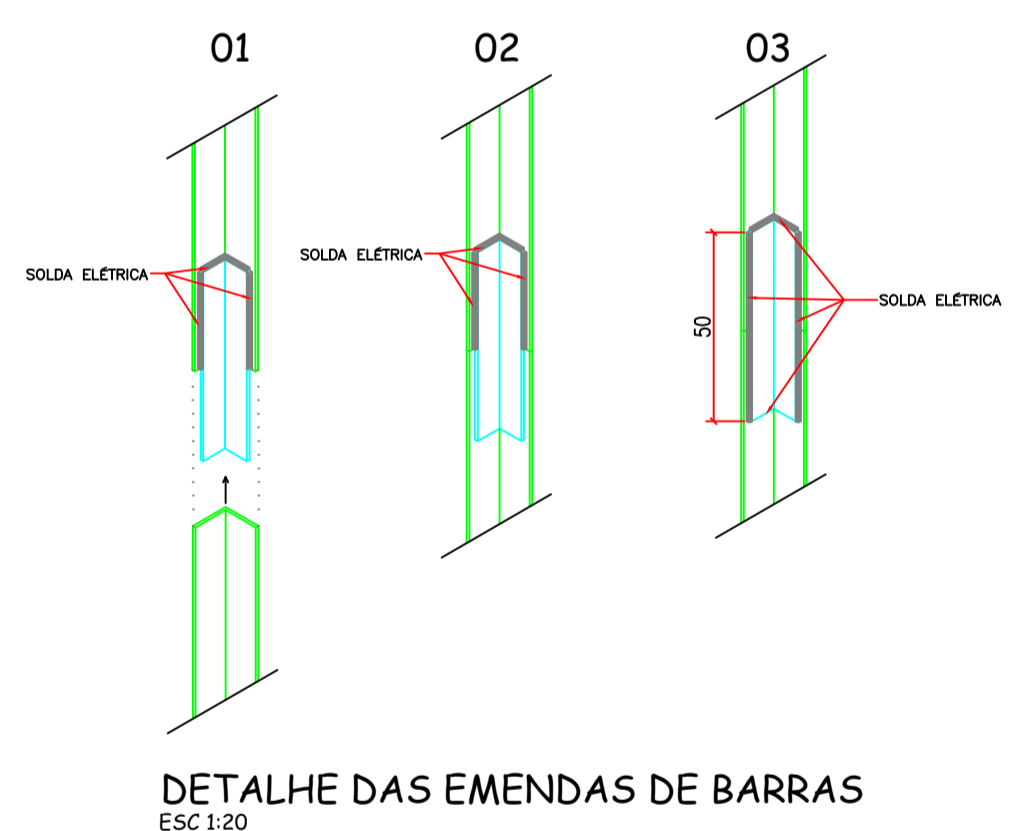
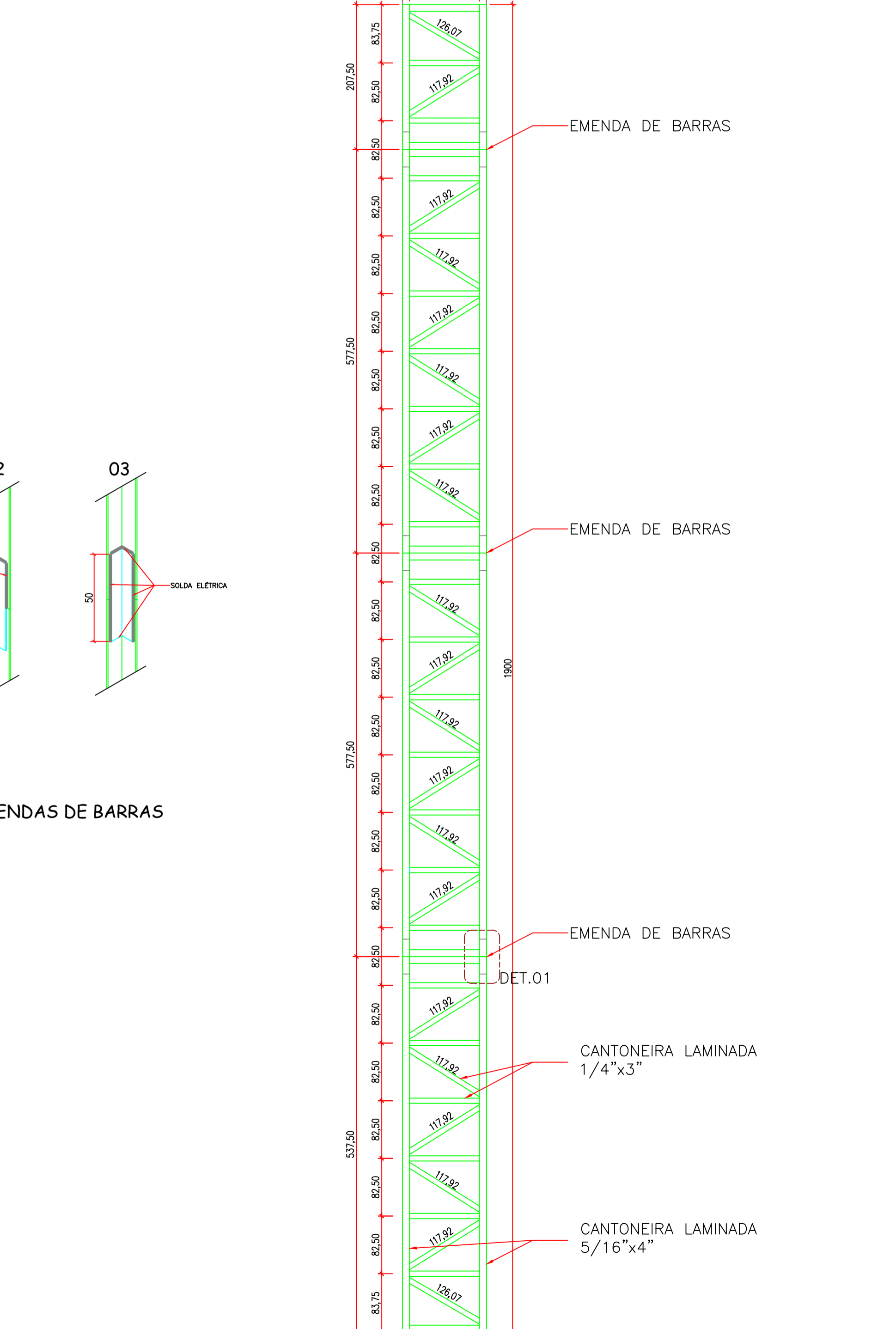
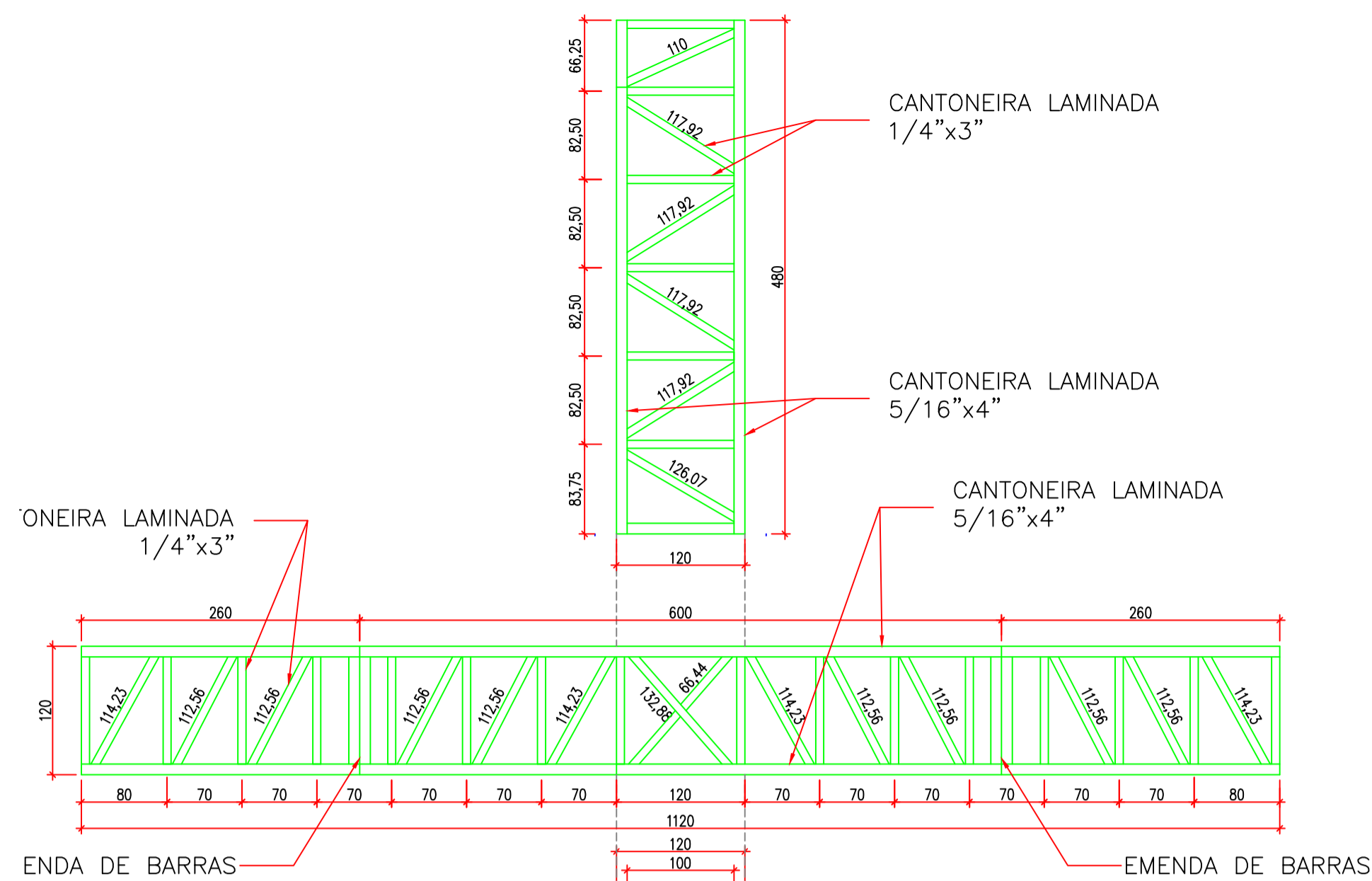
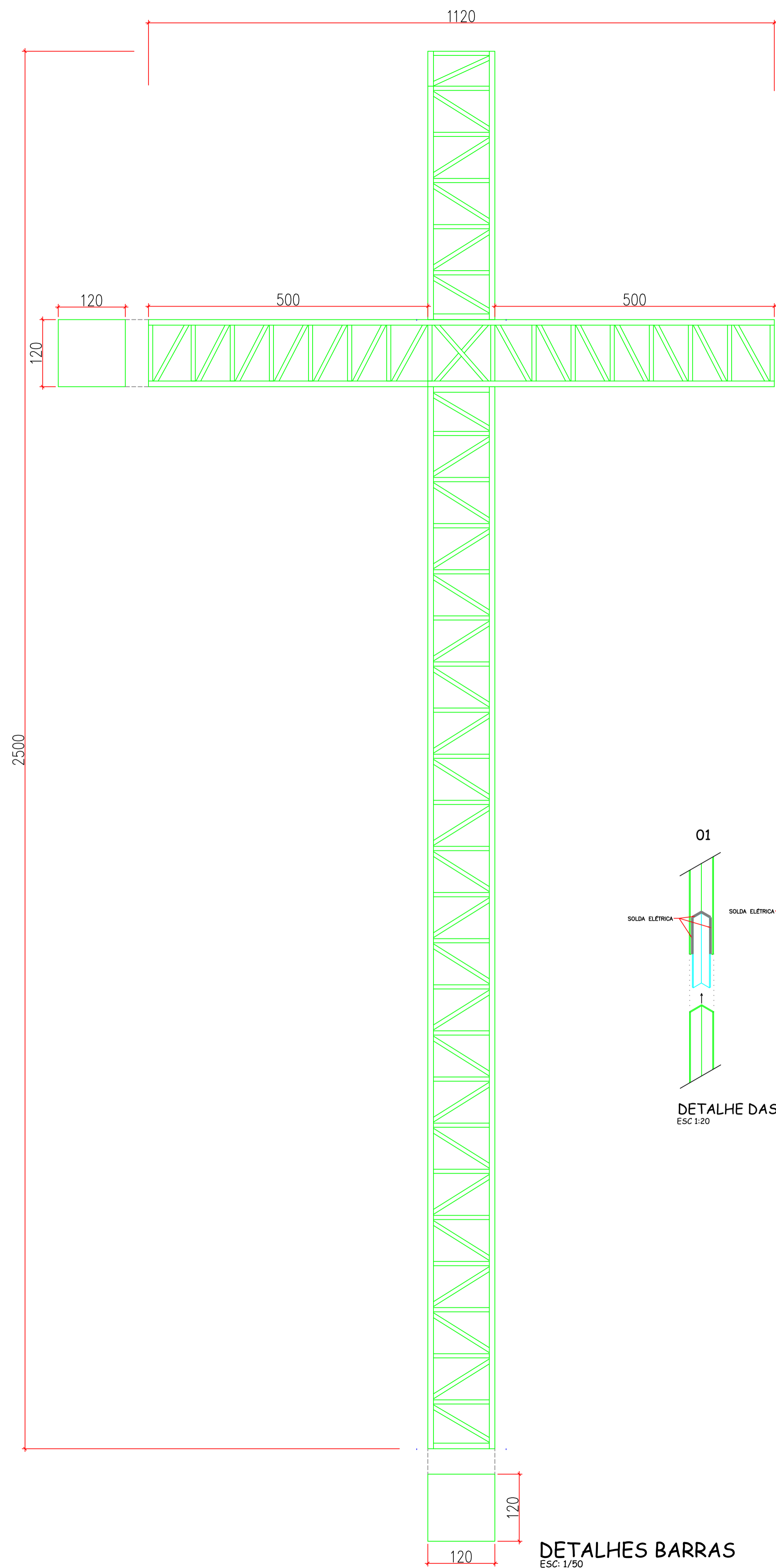
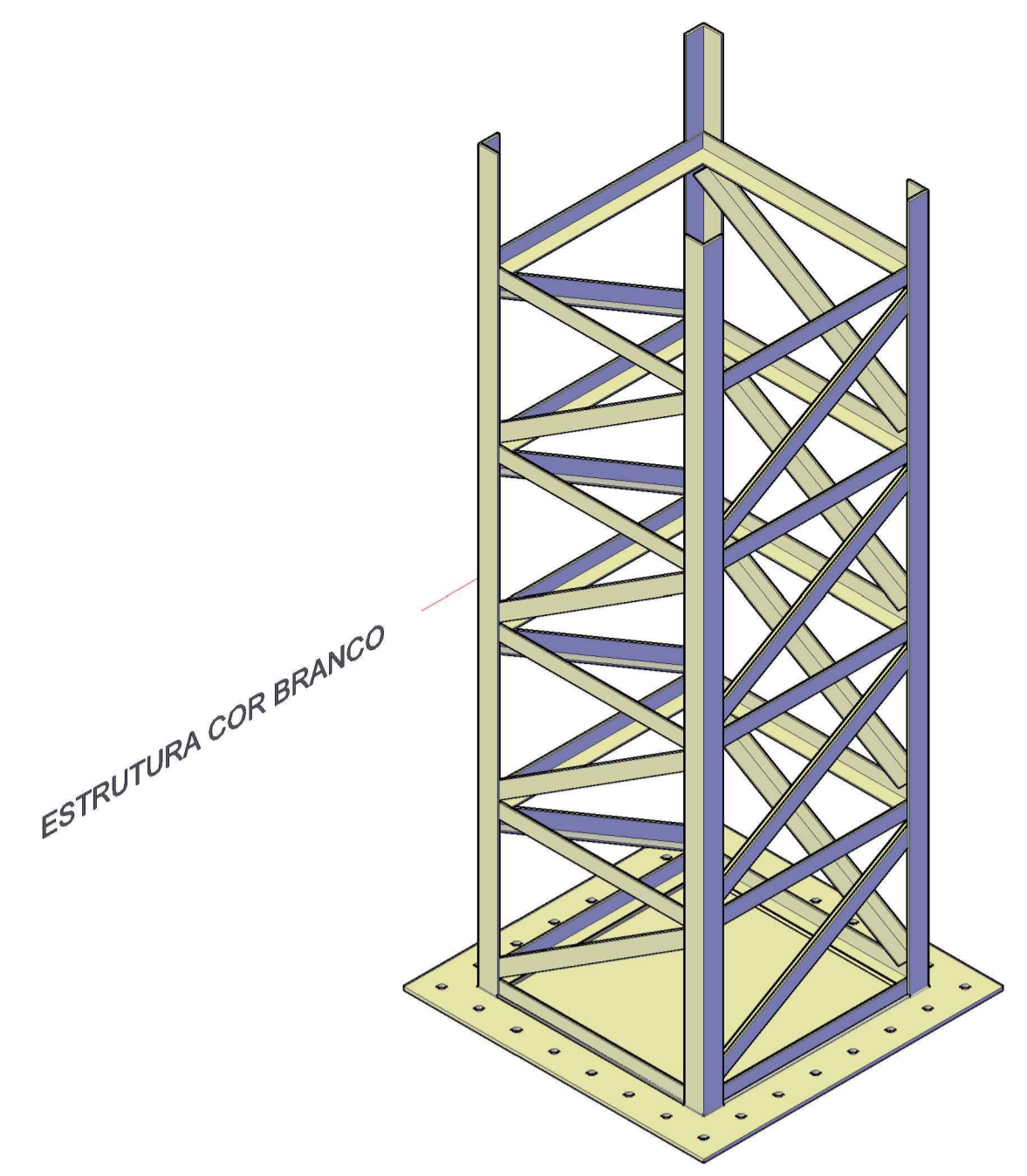


AMURES		ASSOCIAÇÃO DE MUNICÍPIOS DA REGIÃO SERRANA
PREFEITURA MUNICIPAL DE CORREIA PINTO		01/10
ASSESSORIA TÉCNICA		OBRA :
PROJETO: JAMES ANDRE CLAUBERG:604416 90904 Assinado de forma digital por JAMES ANDRE CLAUBERG:60441690904 Data: 2023.11.06 16:12:19 -03'00' James André Clauberg Eng. Civil - CREA 45.160-6		PROJETO DE CRUZ METÁLICA Fundação ALTURA DA CRUZ = 25,00m
PREFEITO: Edilson Germiniani dos Santos		Escala: Indicada DATA: AGO/2023
DESENHO: JAC		

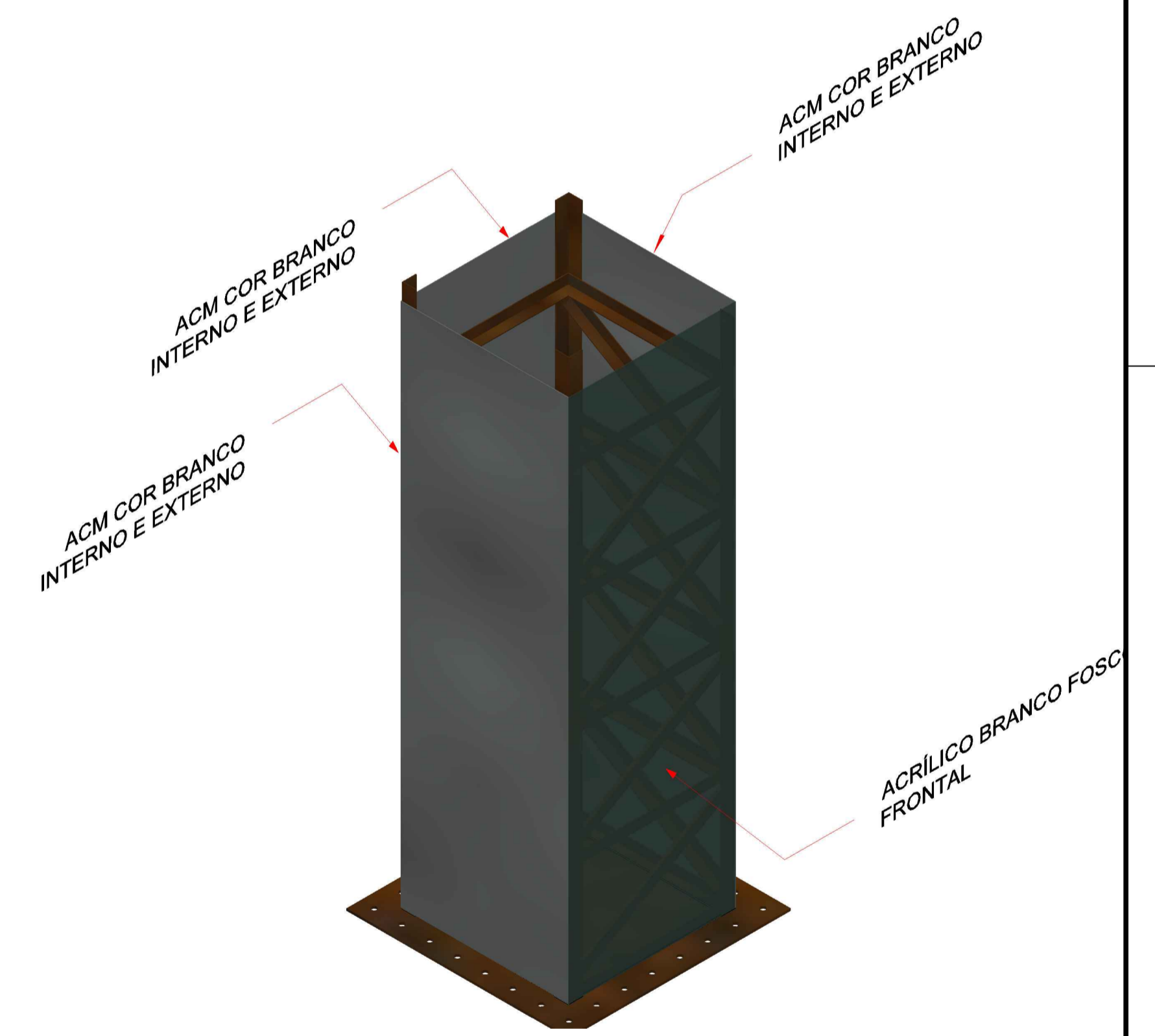


DETALHES BARRAS
Esc: 1/50

VISTA FRONTAL FERRAGEM
Esc: 1/50

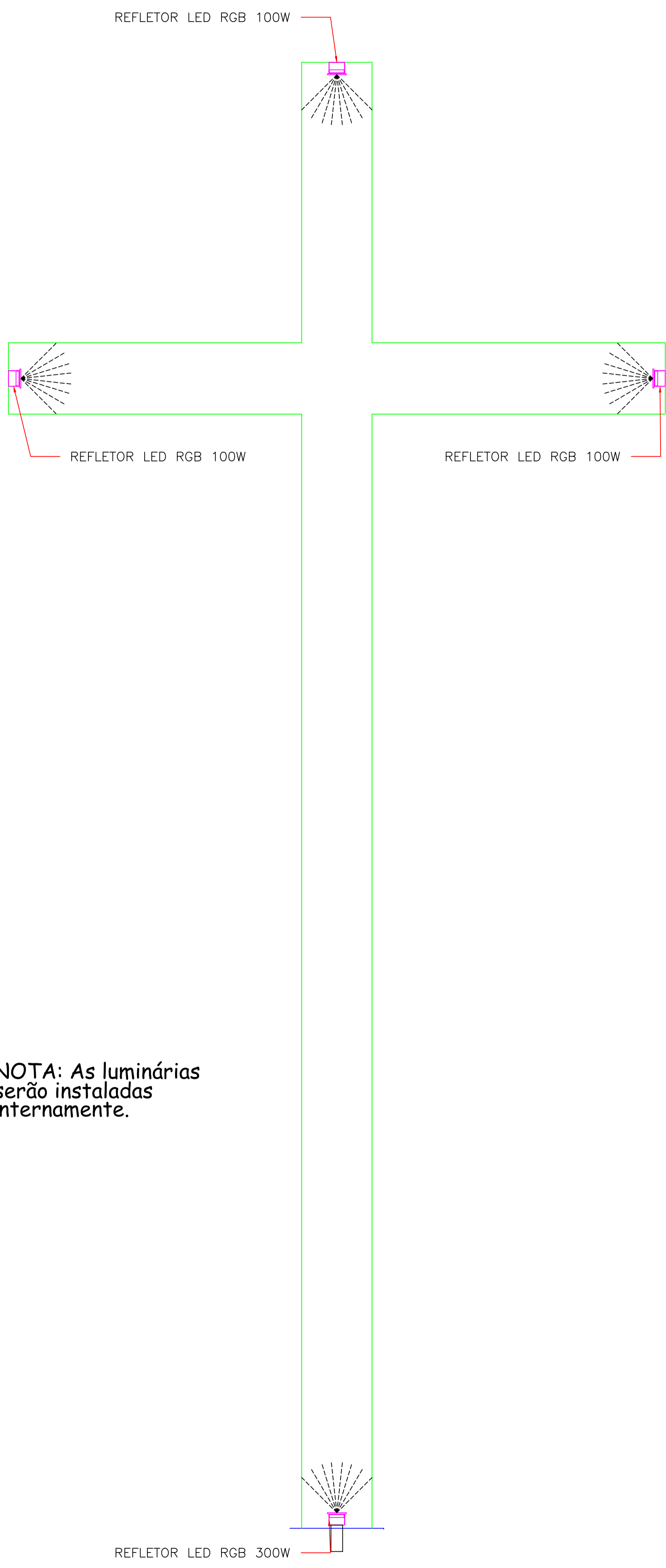


PERSPECTIVA ESTRUTURAL
Esc: 1/25



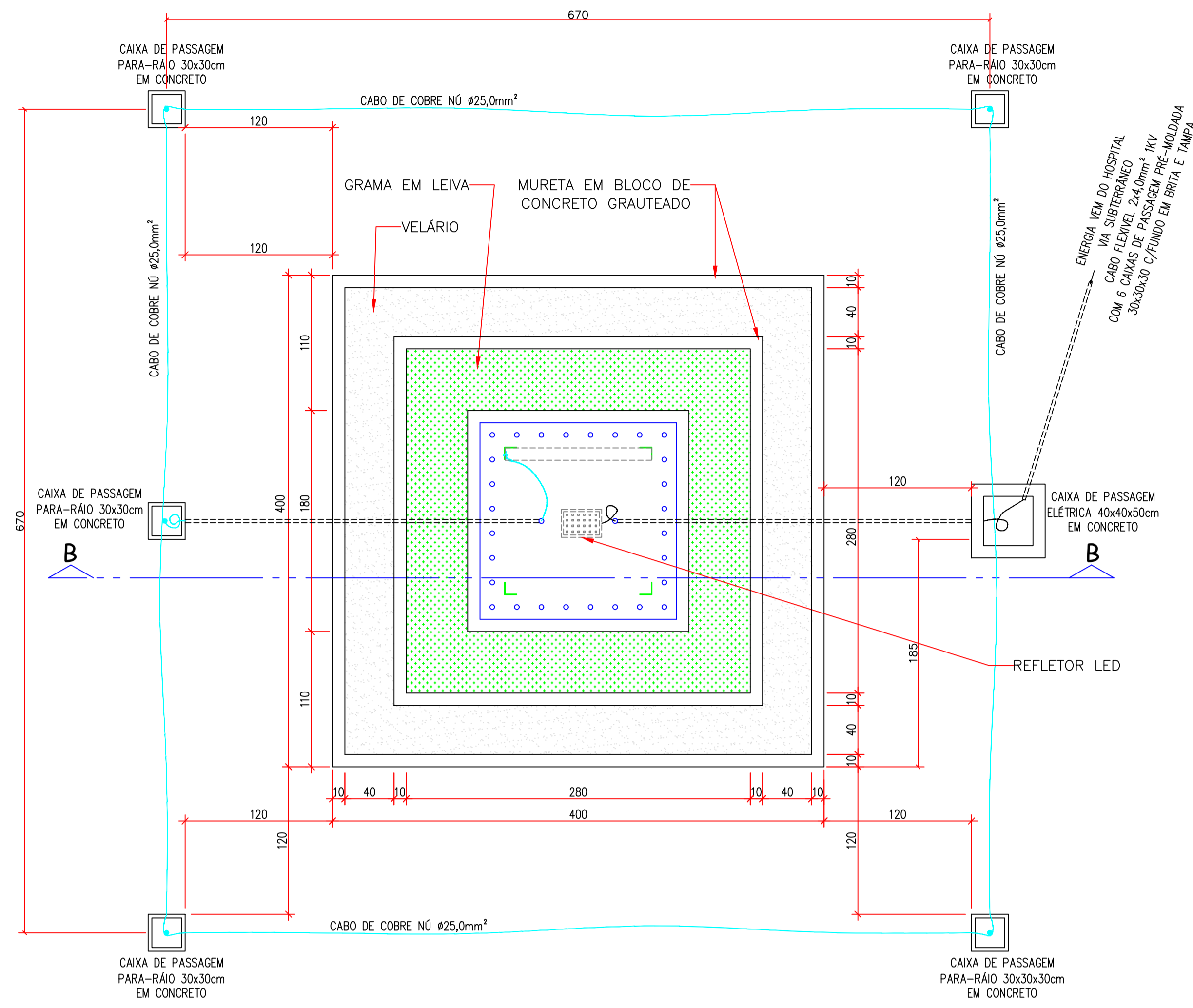
PERSPECTIVA REVESTIDA
Esc: 1/25

AMURES		ASSOCIAÇÃO DE MUNICÍPIOS DA REGIÃO SERRANA
PREFEITURA MUNICIPAL DE CORREIA PINTO		02/10
ASSESSORIA TÉCNICA		OBRA :
PROJETO: JAMES ANDRE CLAUBERG:604416909 04 <small>Assinado de forma digital por JAMES ANDRE CLAUBERG:6044169094. Data: 2023.11.06 16:12:38 -03'00'</small> James André Clauber Eng. Civil - CREA 45.160-6		PROJETO DE CRUZ METÁLICA
PREFEITO: Edilson Germiniani dos Santos		Estrutura Metálica
DESENHO: JAC		ALTURA DA CRUZ = 25,00m Escala: indicada DATA: AGO/2023

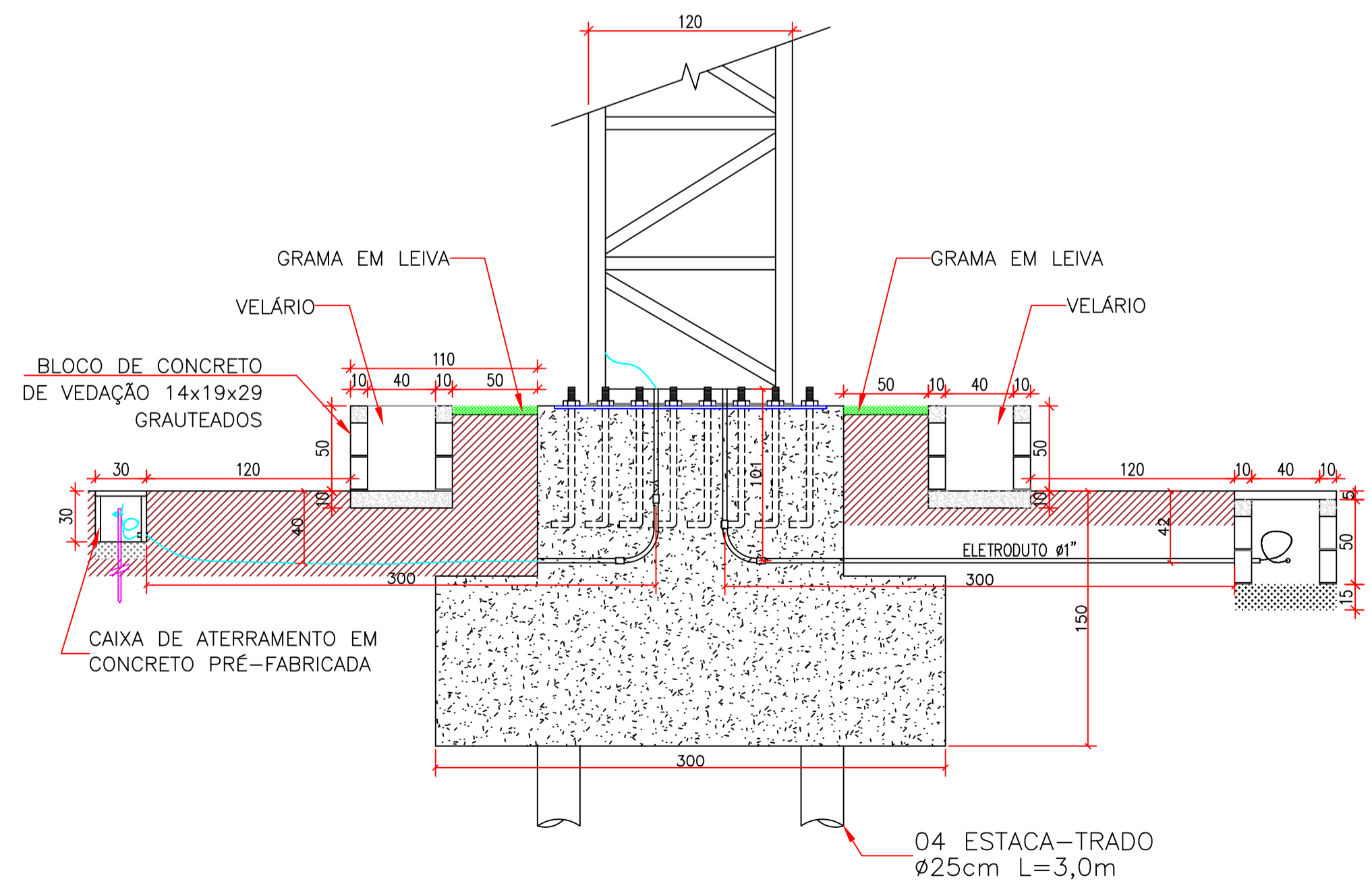


NOTA: As luminárias serão instaladas internamente.

ILUMINAÇÃO
ESC: 1/50



ATERRAMENTO
ESC: 1/30

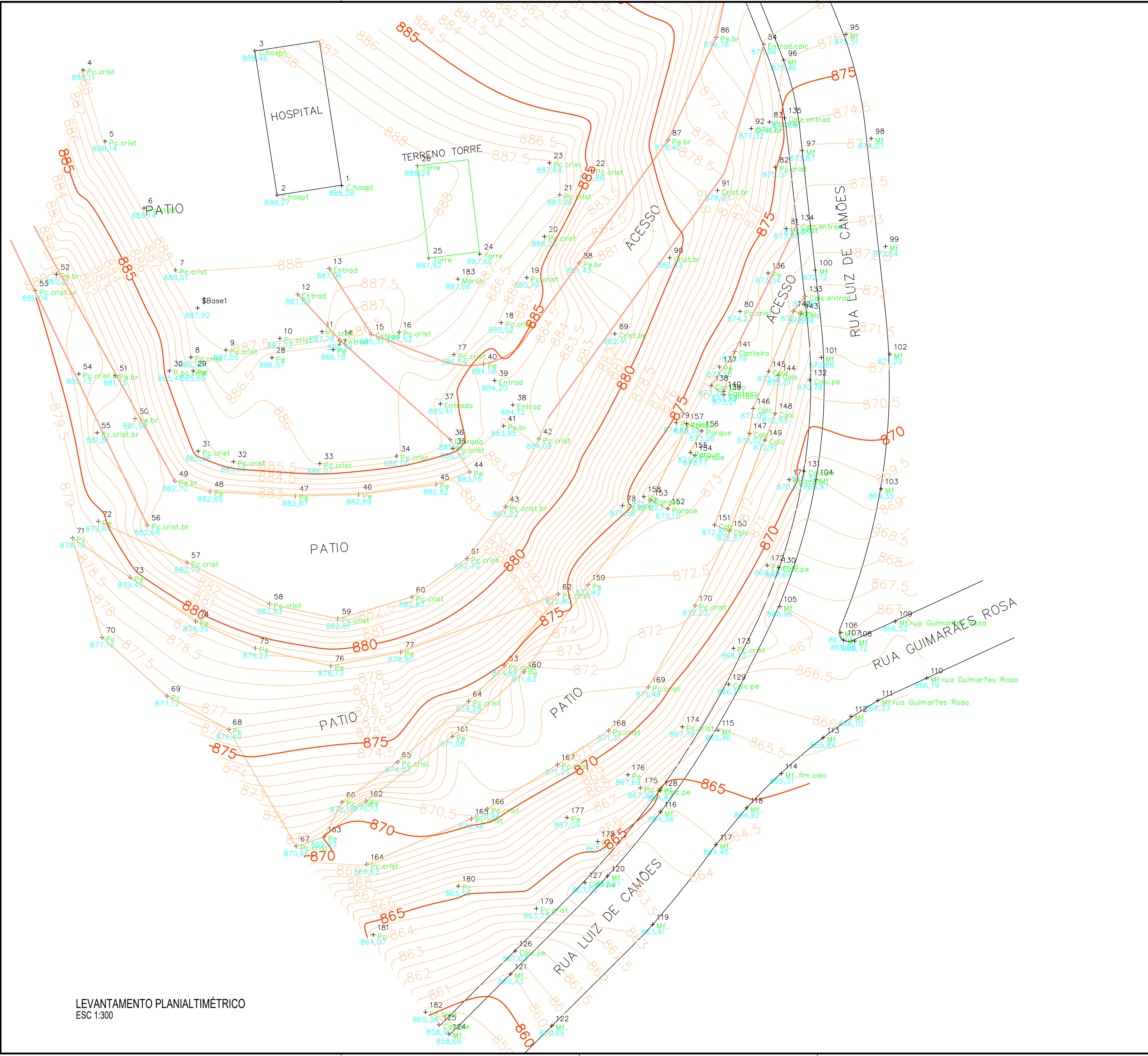


CORTE BB
ESC: 1/30



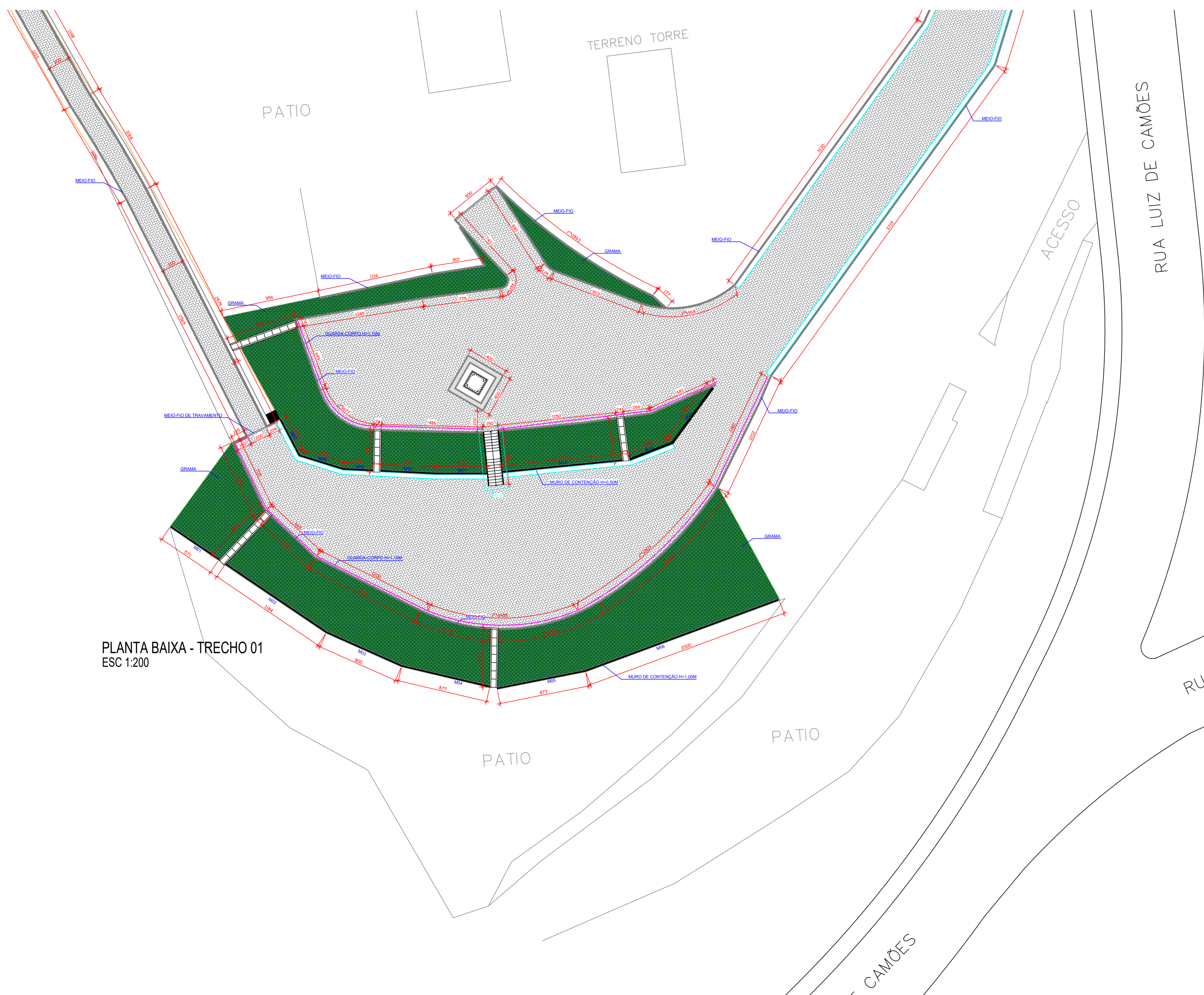
PERSPECTIVA REVESTIDA
ESC: 1/25

AMURES		ASSOCIAÇÃO DE MUNICÍPIOS DA REGIÃO SERRANA
PREFEITURA MUNICIPAL DE CORREIA PINTO		03/10
ASSESSORIA TÉCNICA		OBRA:
PROJETO:	JAMES ANDRE CLAUBERG:60441690 904 Assinado de forma digital por JAMES ANDRE CLAUBERG:604416900904 Data: 2023.11.06 16:13:01 -03'00'	PROJETO DE CRUZ METÁLICA
PREFEITO:	James André Clauberg Eng. Civil - CREA 45.160-6	Iluminação Aterramento Corte BB Localização
DESENHO:	JAC	ALTURA DA CRUZ = 25,00m
		DATA:
		indicada
		AGO/2023

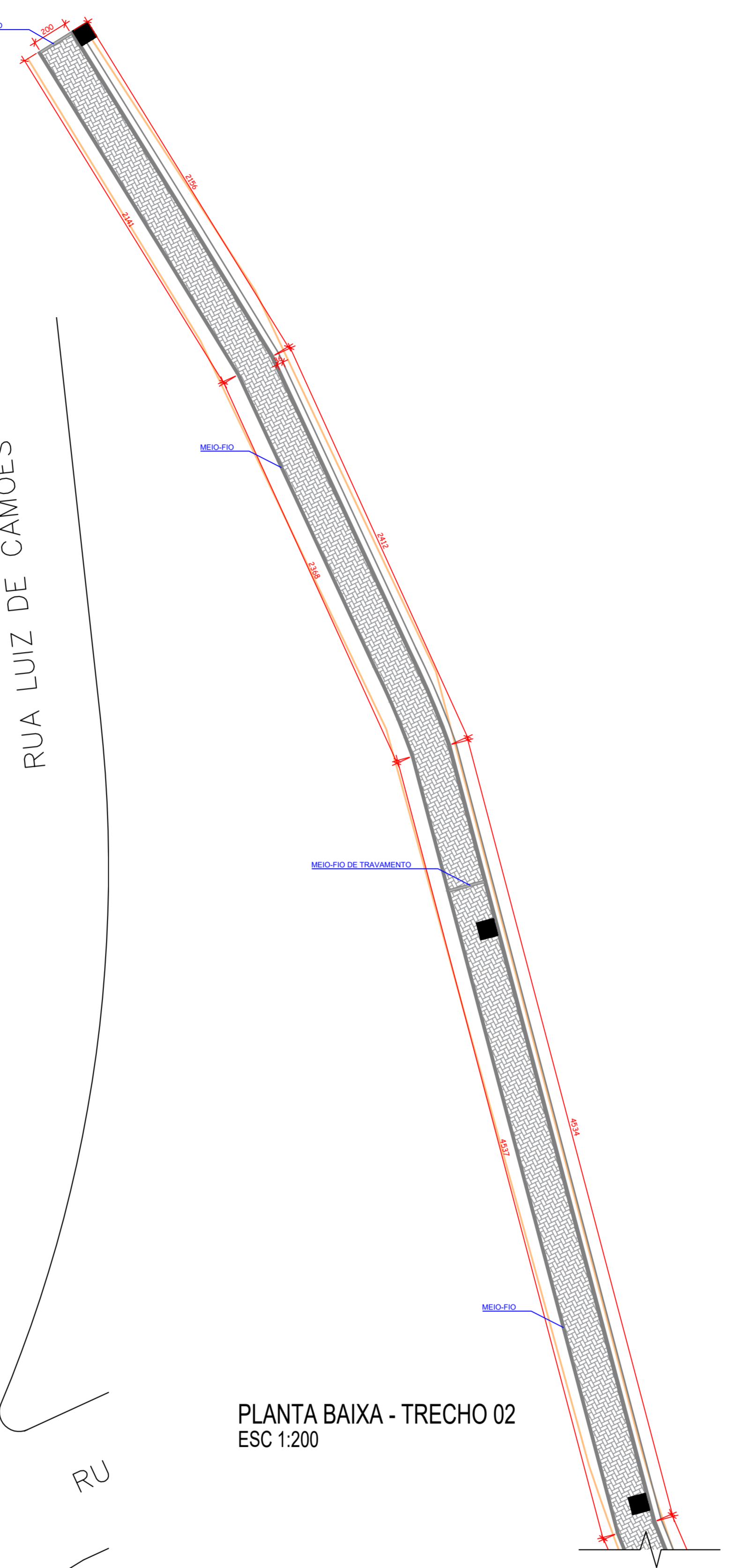


LEVANTAMENTO PLANIALTIMÉTRICO
ESC 1:300

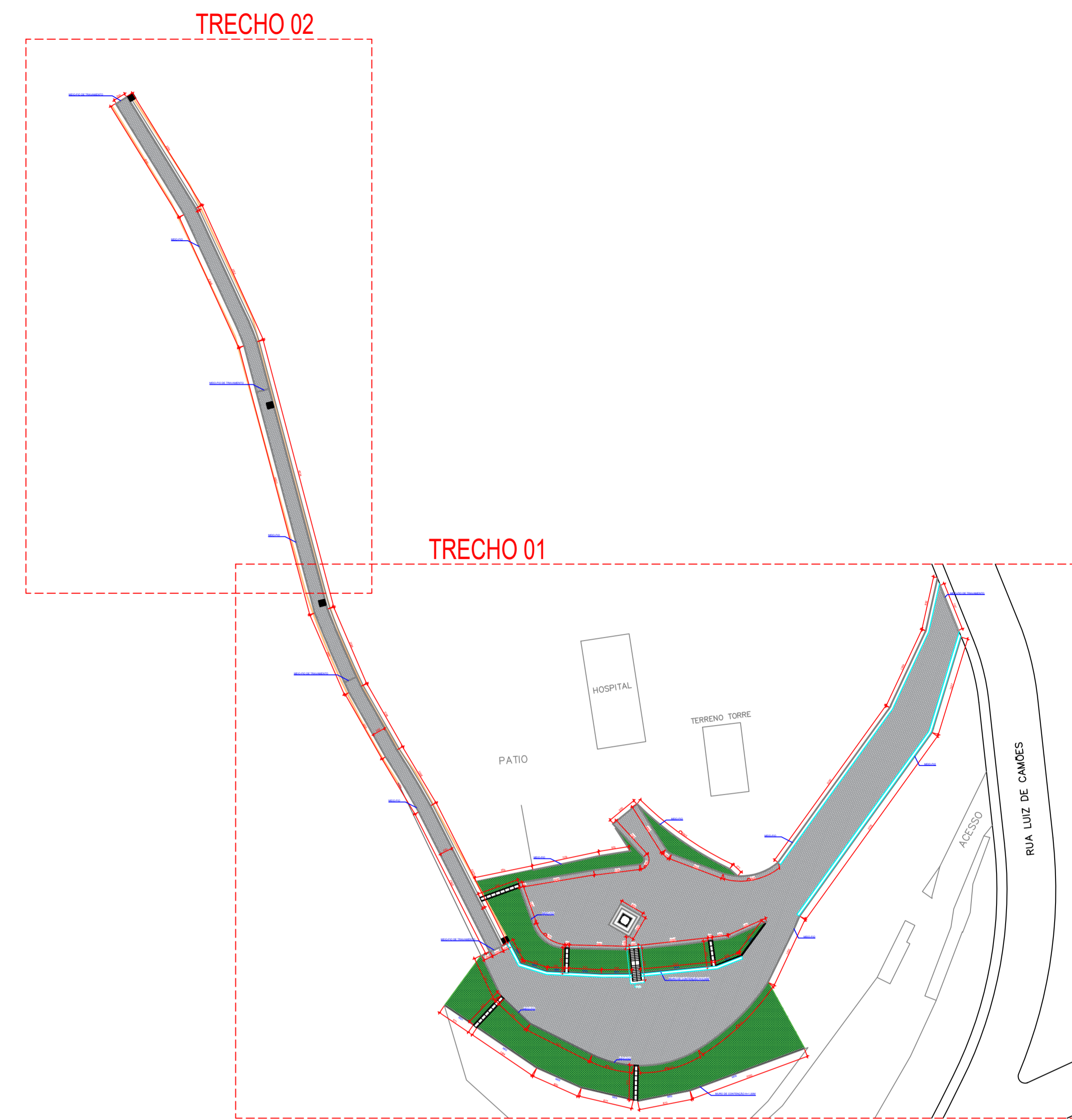
AMURES		ASSOCIAÇÃO DE MUNICÍPIOS DA REGIÃO SERRANA
PREFEITURA MUNICIPAL DE CORREIA PINTO		04/10
ASSESSORIA TÉCNICA		OBRA :
PROJETO: JAMES ANDRE CLAUBERG:6044169 0904 <small>Autorizado de forma digital por JAMES ANDRE CLAUBERG:6044169/0904 Emitido: 2023.11.06 16:32:06 -0100</small> James André Clauberger Eng. Civil - CREA 45.160-6		PROJETO MORRO DA CRUZ
PREFEITO:		Levantamento topográfico
Edilson Germiniani dos Santos		
DESENHO :	Escala:	DATA :
Mariane Moraes	Indicada	Outubro/2023



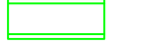



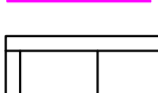
PLANTA BAIXA - TRECHO 01
ESC 1:200

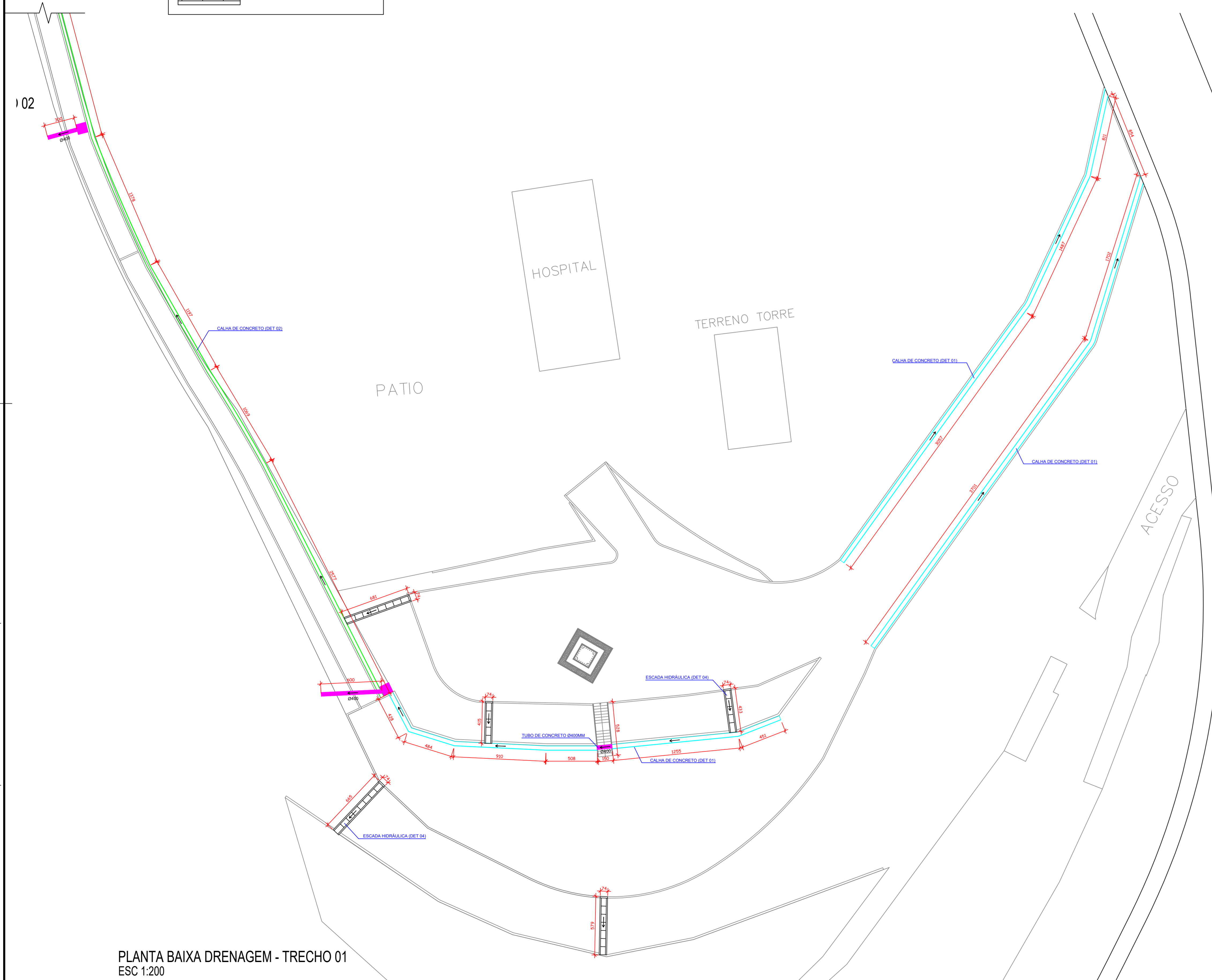


PLANTA BAIXA - TRECHO 02
ESC 1:200

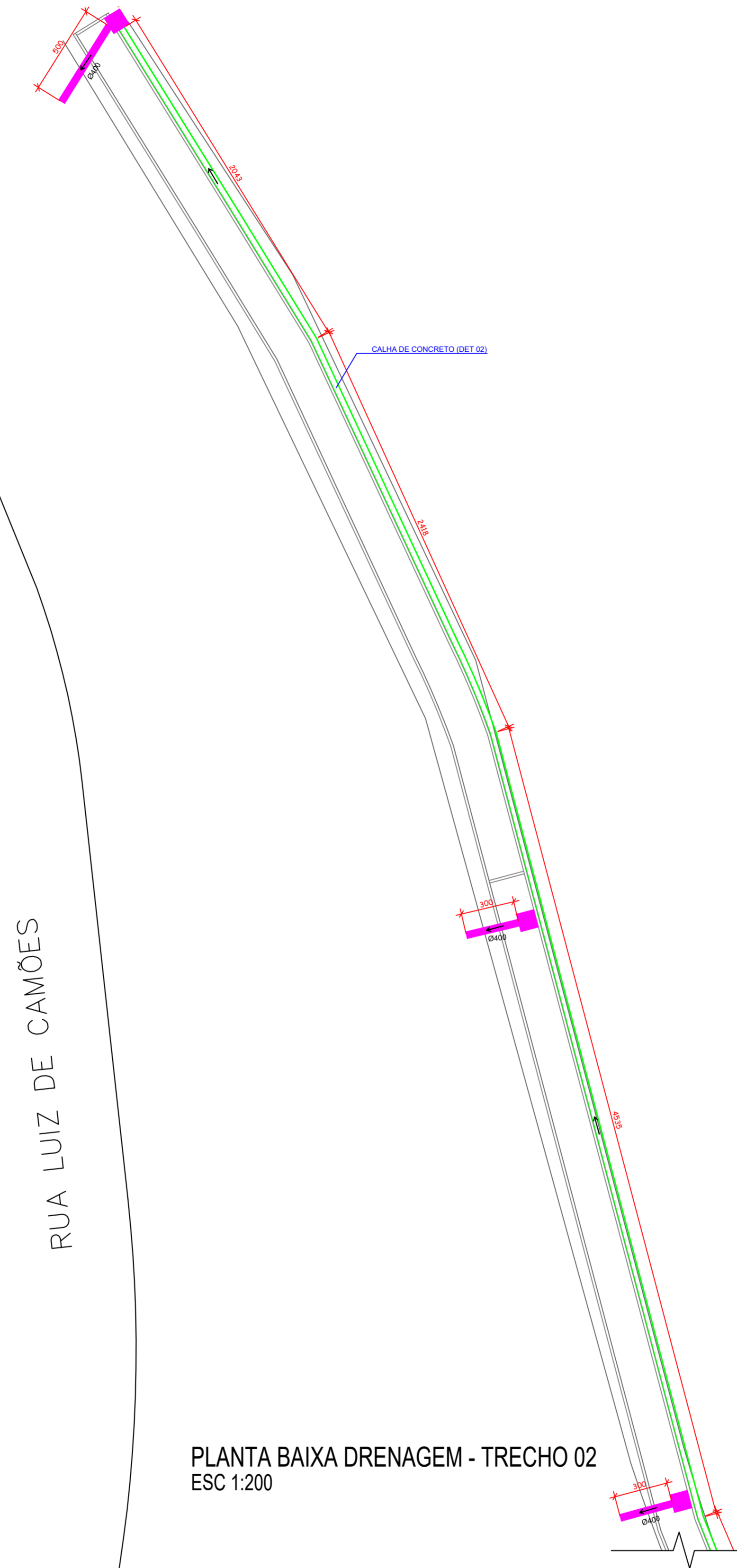


AMURES ASSOCIAÇÃO DE MUNICÍPIOS DA REGIÃO SERRANA	
PREFEITURA MUNICIPAL DE CORREIA PINTO	
05/10	
ASSESSORIA TÉCNICA	OBRA :
PROJETO: JAMES ANDRE <small>Assessoria de Obras Rústicas por JAMES ANDRE CLAUBERG/60441690904 Data: 2023.10.04 16:15:50 07/07</small> James André Clauberg <small>Eng. Civil - CREA 45.160-6</small>	PROJETO MORRO DA CRUZ Planta de Layout
PREFEITO: Edilson Germiniani dos Santos	
DESENHO : Mariane Moraes	Escala: Indicada
	DATA: Outubro/2023

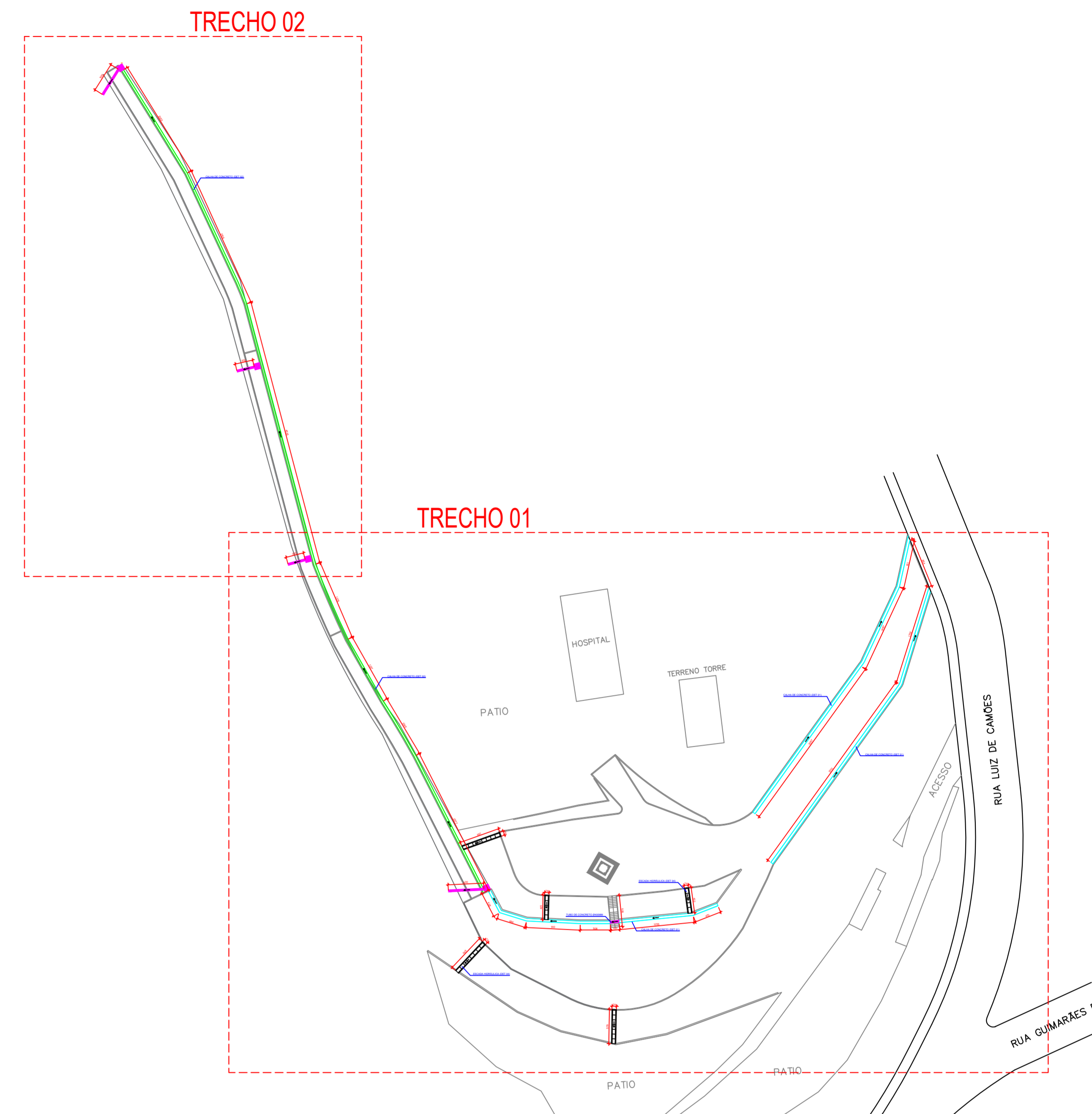
LEGENDA	
	CANALETA DE CONCRETO Ø30CM
	CANALETA DE CONCRETO Ø40CM
	TUBO DE CONCRETO Ø40CM
	CAIXA COLETORA (BOCA DE LOBO)
	ESCALADA HIDRÁULICA




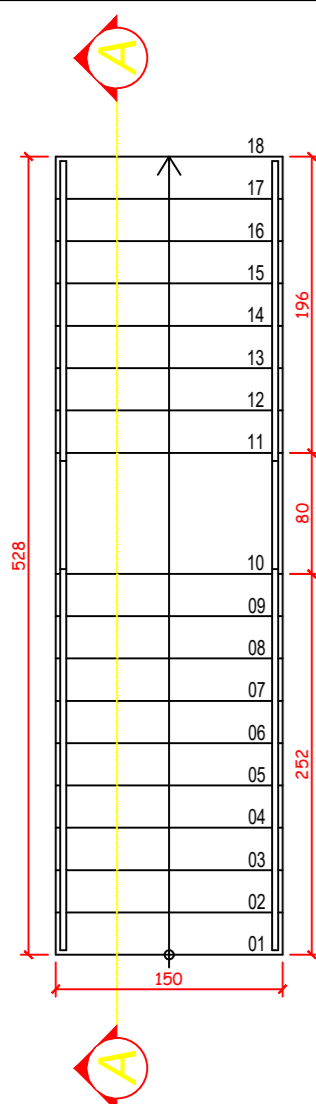
PLANTA BAIXA DRENAGEM - TRECHO 01
ESC 1:200



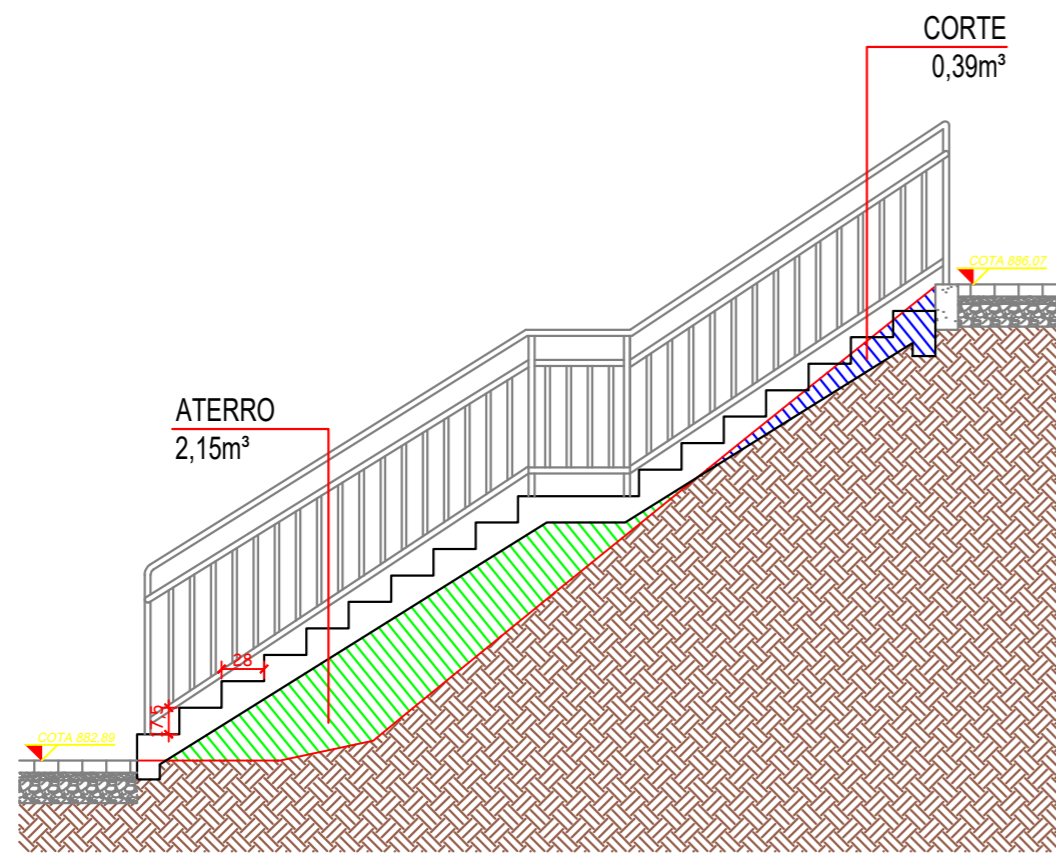
PLANTA BAIXA DRENAGEM - TRECHO 02
ESC 1:200



AMURES 		ASSOCIAÇÃO DE MUNICÍPIOS DA REGIÃO SERRANA
PREFEITURA MUNICIPAL DE CORREIA PINTO		06/10
ASSESSORIA TÉCNICA		OBRA :
PROJETO:	JAMES ANDRÉ CLAUBERG/05441600/00 4 James André Clauberg Eng. Civil - CREA 45.160-6	PROJETO MORRO DA CRUZ Planta de Drenagem
PREFEITO:	Edilson Germiniani dos Santos	
DESENHO :	Mariane Moraes	DATA : Outubro/2023

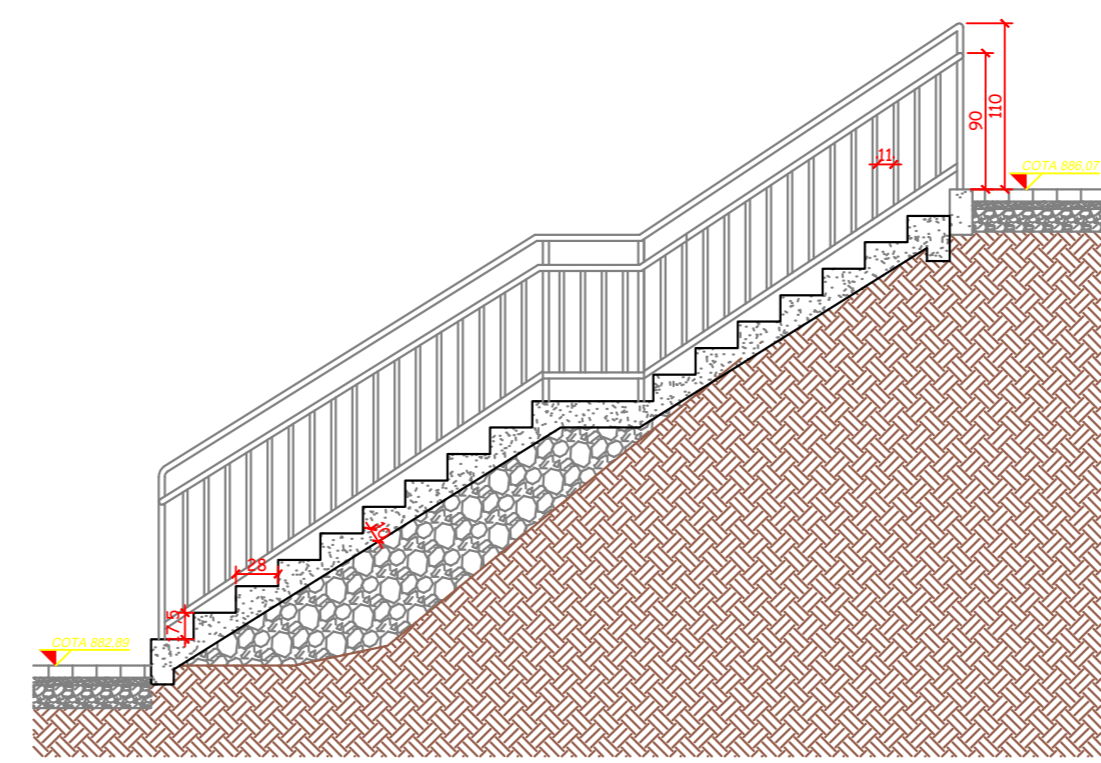


PLANTA BAIXA
ESC 1:50

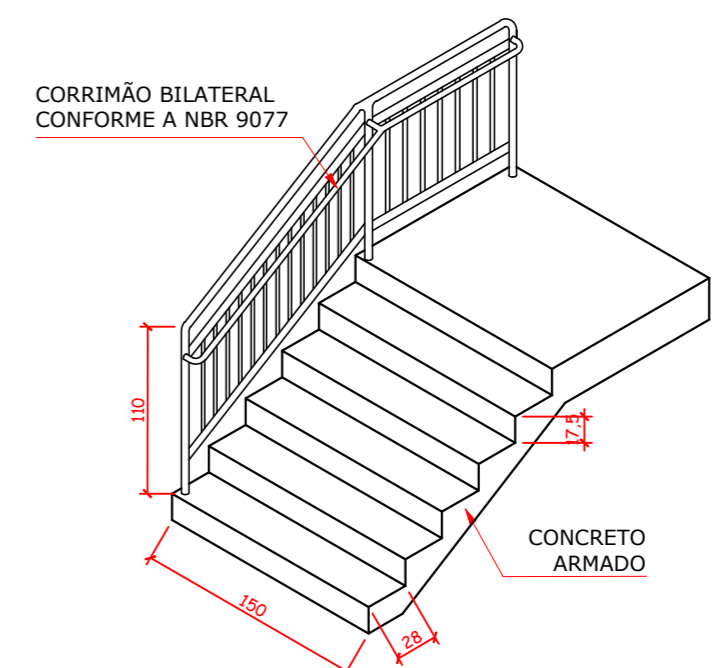


CORTE AA
ESC 1:50

DETALHE 03

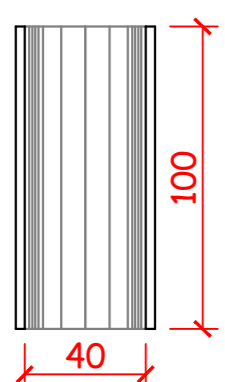


CORTE AA
ESC 1:50

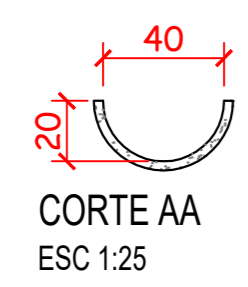


DETALHE ESCADA
ESC 1:50

DETALHE 01 - CALHA DE CONCRETO (MEIA CANA) Ø40 CM



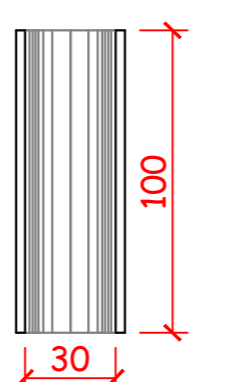
PLANTA BAIXA
ESC 1:25



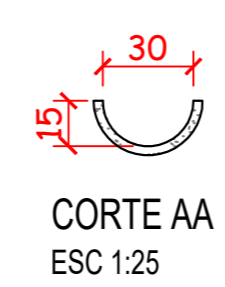
CORTE AA
ESC 1:25

COMPRIMENTO TOTAL = 152,17M

DETALHE 02 - CALHA DE CONCRETO (MEIA CANA) Ø30 CM



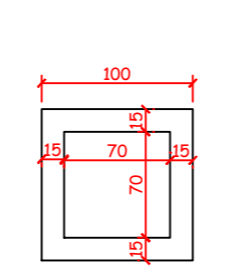
PLANTA BAIXA
ESC 1:25



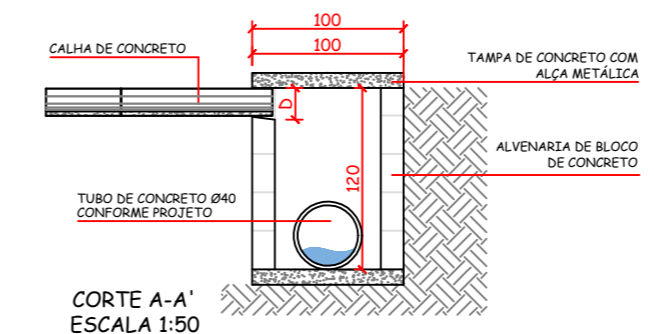
CORTE AA
ESC 1:25

COMPRIMENTO TOTAL = 152,17M

CAIXA COLETORA (BOCA DE LOBO)

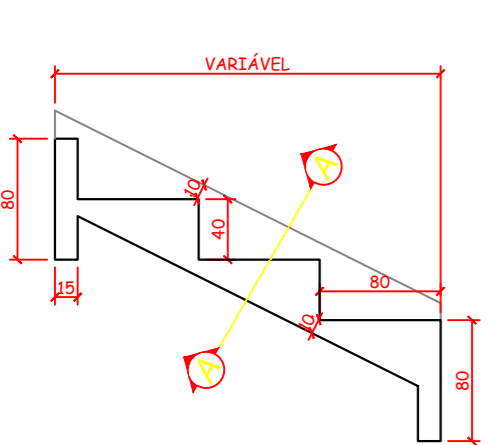


PLANTA BAIXA
ESCALA 1:50

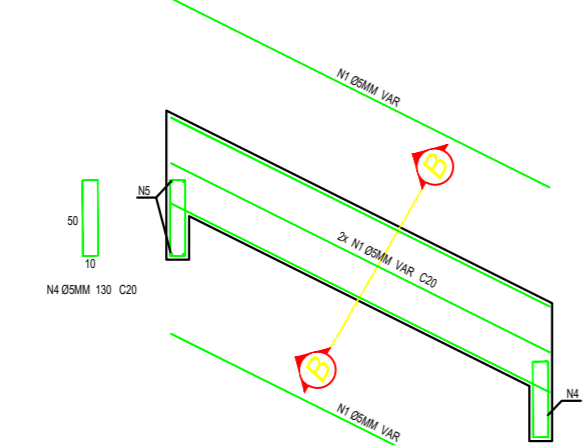


CORTE A-A'
ESCALA 1:50

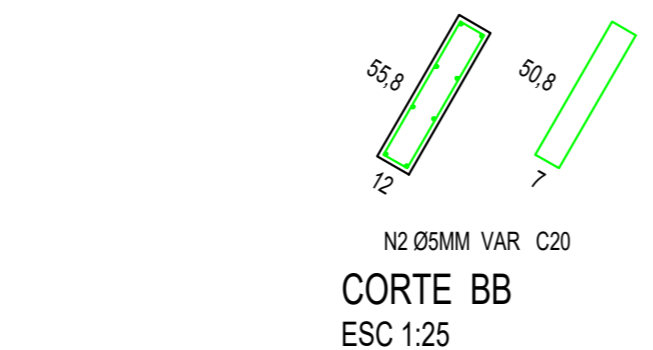
DETALHE 03 - DESCIDAS D'ÁGUA EM DEGRAUS



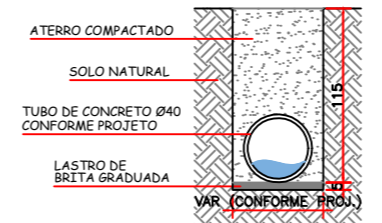
CORTE LONGITUDINAL
ESC 1:50



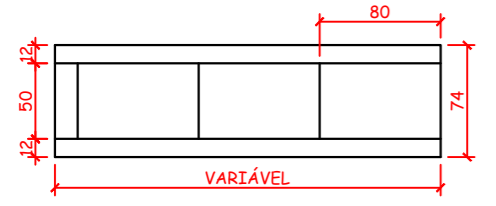
PLANTA BAIXA
ESC 1:50



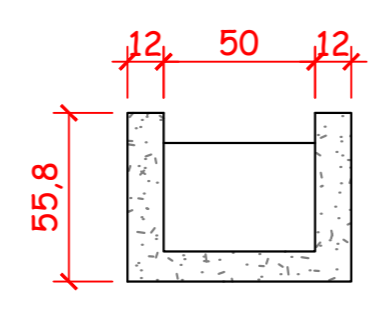
CORTE BB
ESC 1:25



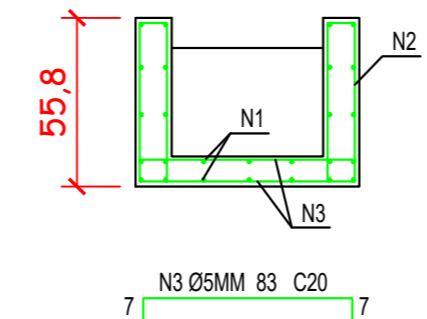
DETALHE - ASSENTAMENTO DE TUBULAÇÕES
ESCALA 1:50



PLANTA BAIXA
ESC 1:50



CORTE AA
ESC 1:50



CORTE AA
ESC 1:50

CONCRETO SIMPLES/ARMADO							CONCRETO ARMADO							
TIPO	ADAPTÁVEL EM	a	b	CONCRETO (m³/m)	FORMAS (m²/m)	ESCAVAÇÃO (m³/m)	APILOAMENTO (m³/m)	TIPO	N1 (kg/m)	N2 (kg/m)	N3 (kg/m)	N4 (kg/m)	N5 (kg/m)	PESO (kg/m)
DAD 01/02	MEIO-FIO	50	10	0,40	0,81	0,17	0,08	DAD 02	1,72	0,76	1,43	0,24	0,17	4,32

AMURES

ASSOCIAÇÃO DE MUNICÍPIOS DA REGIÃO SERRANA

PREFEITURA MUNICIPAL DE CORREIA PINTO

07/10

ASSESSORIA TÉCNICA

PROJETO: JAMES ANDRE
CLAUBERG:6044169
0904

Assinado de forma digital por JAMES ANDRE
CLAUBERG:60441690904
Dados: 2023.11.06 16:14:58 -03'00'

James André Clauberg
Eng. Civil - CREA 45.160-6

PREFEITO: Edilson Germiniani dos Santos

OBRA:

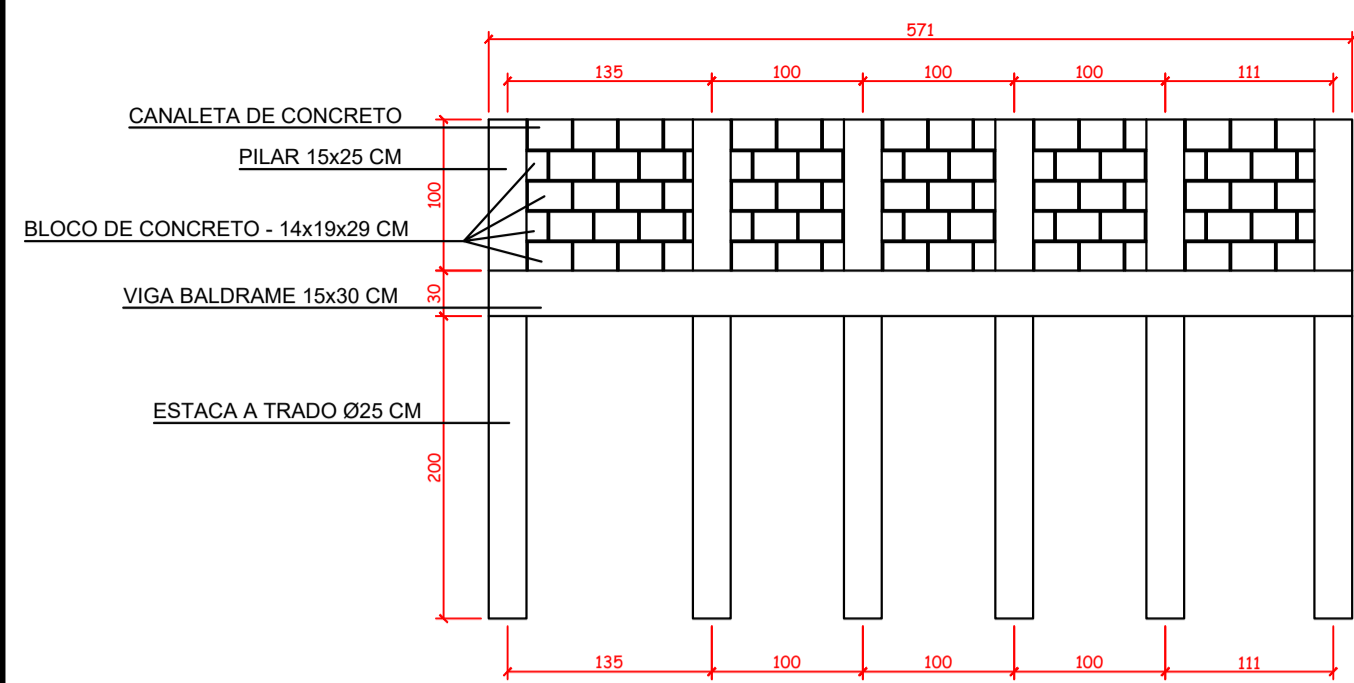
PROJETO DA CRUZ

Detalhes

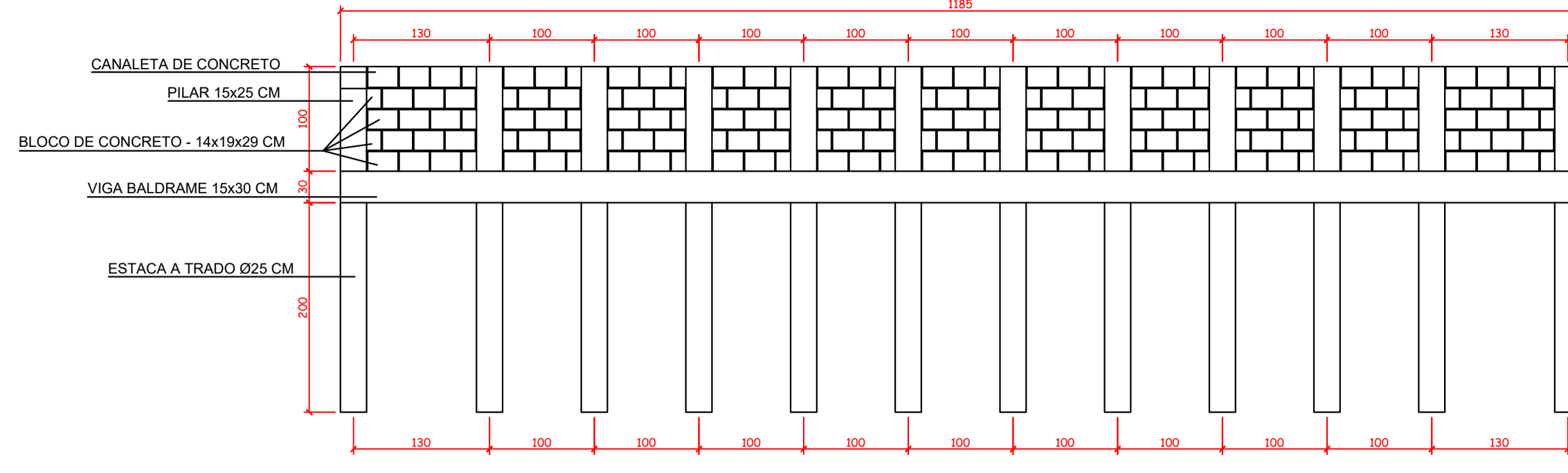
DESENHO: Mariane Moraes

Escala: indicada

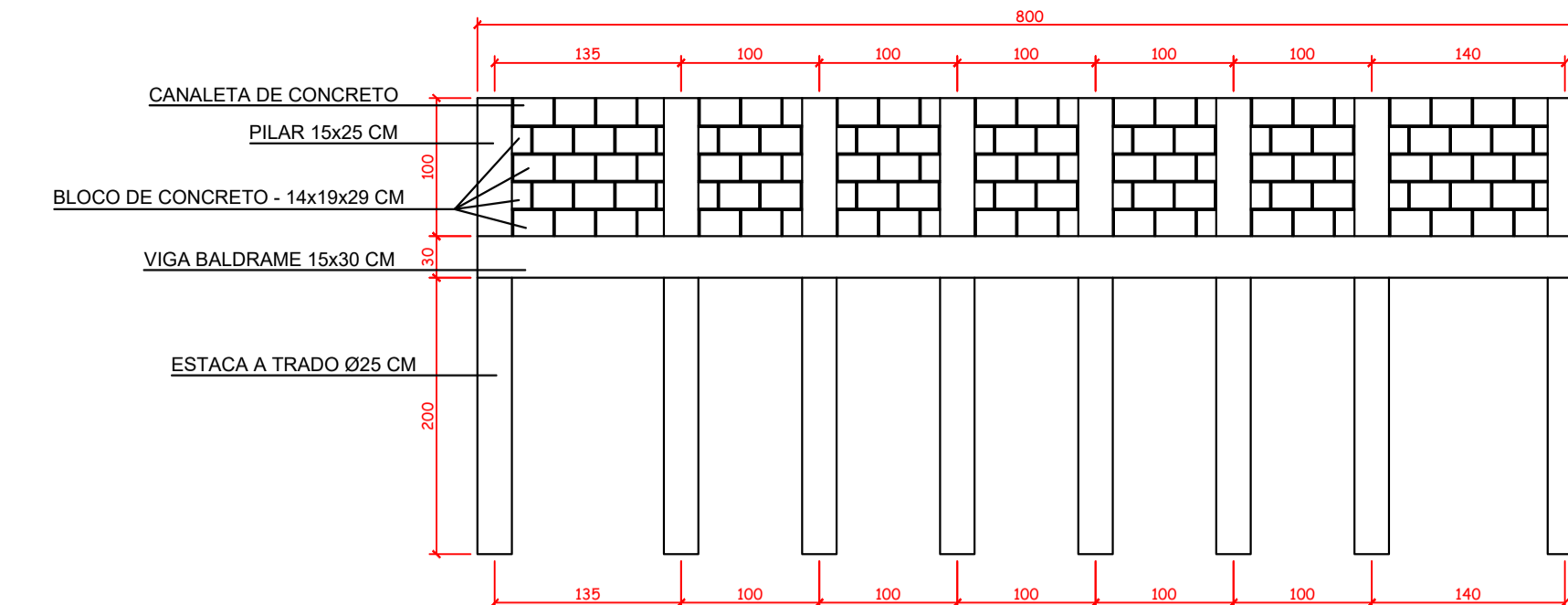
DATA: Outubro/2023



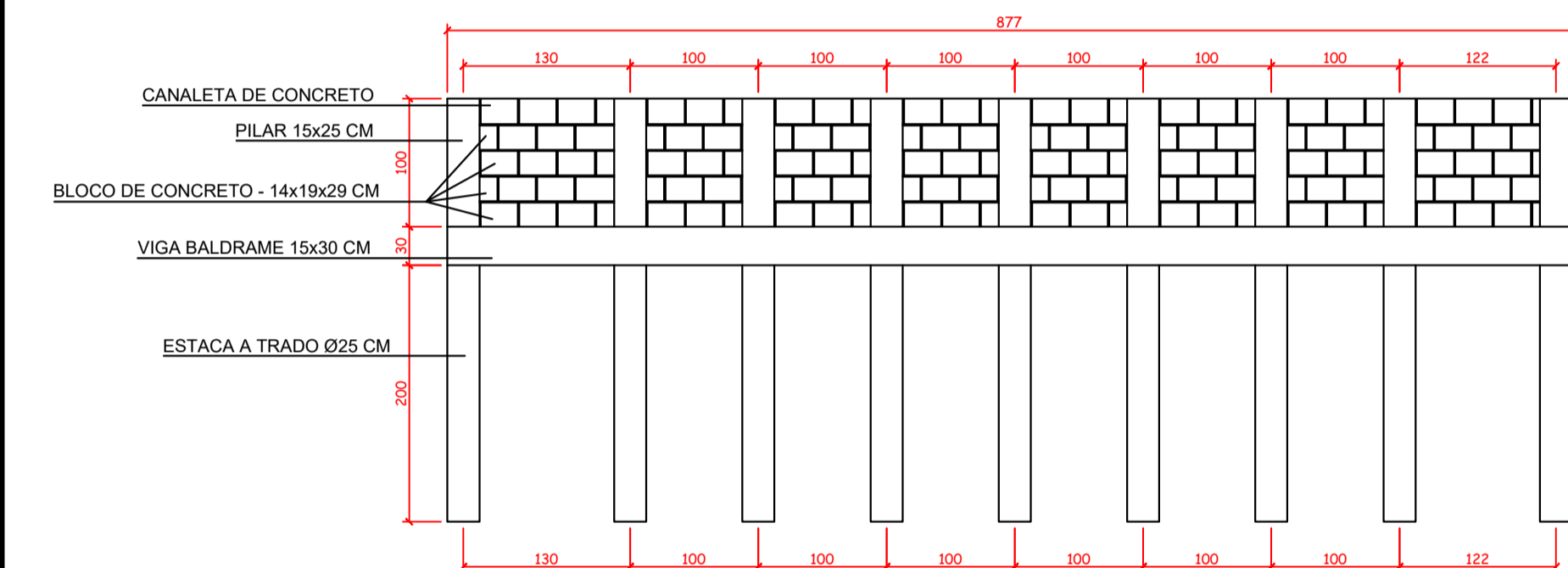
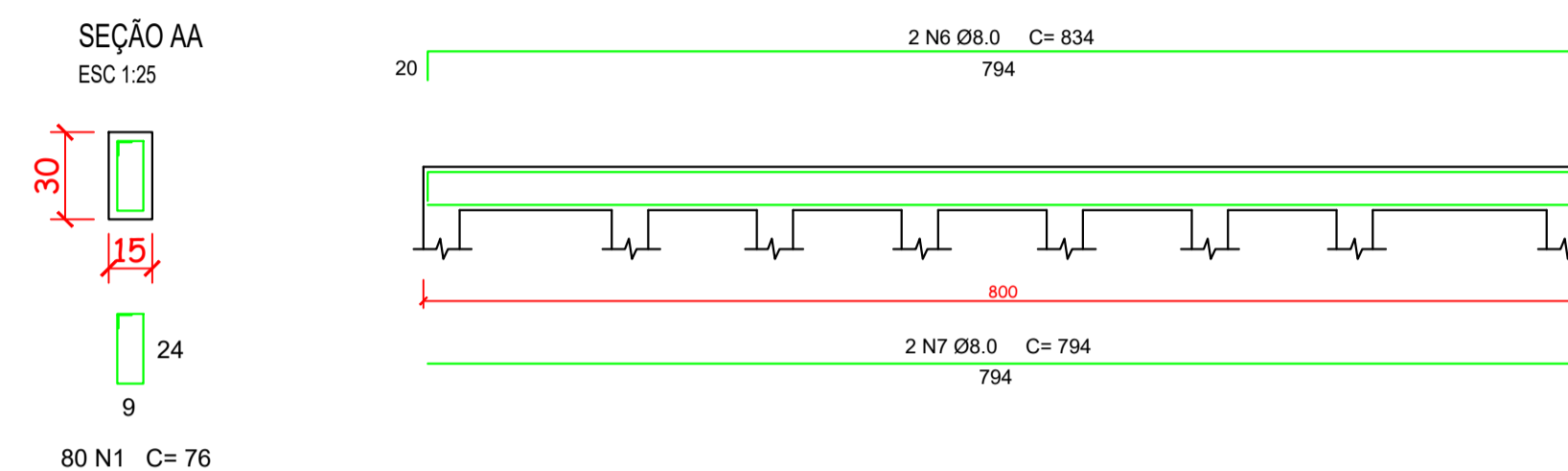
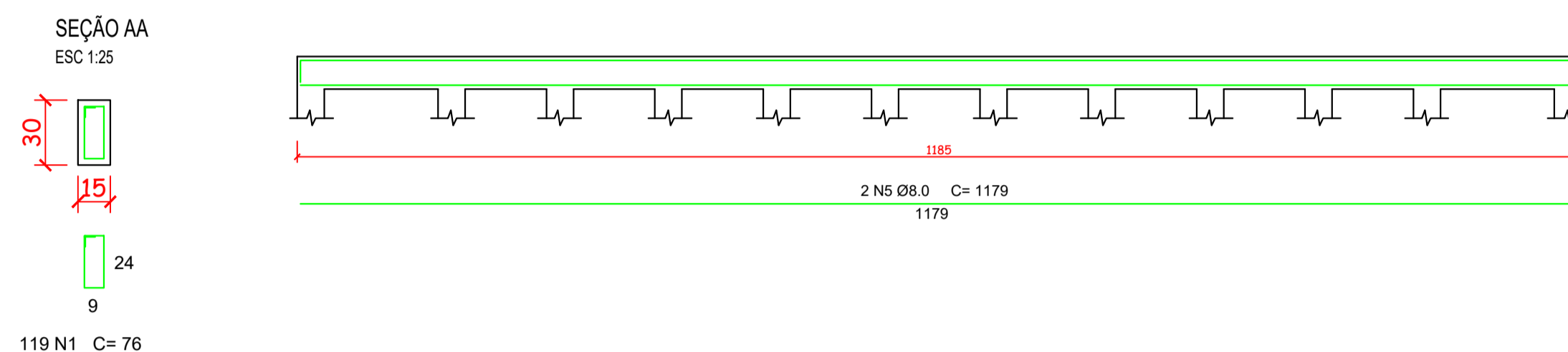
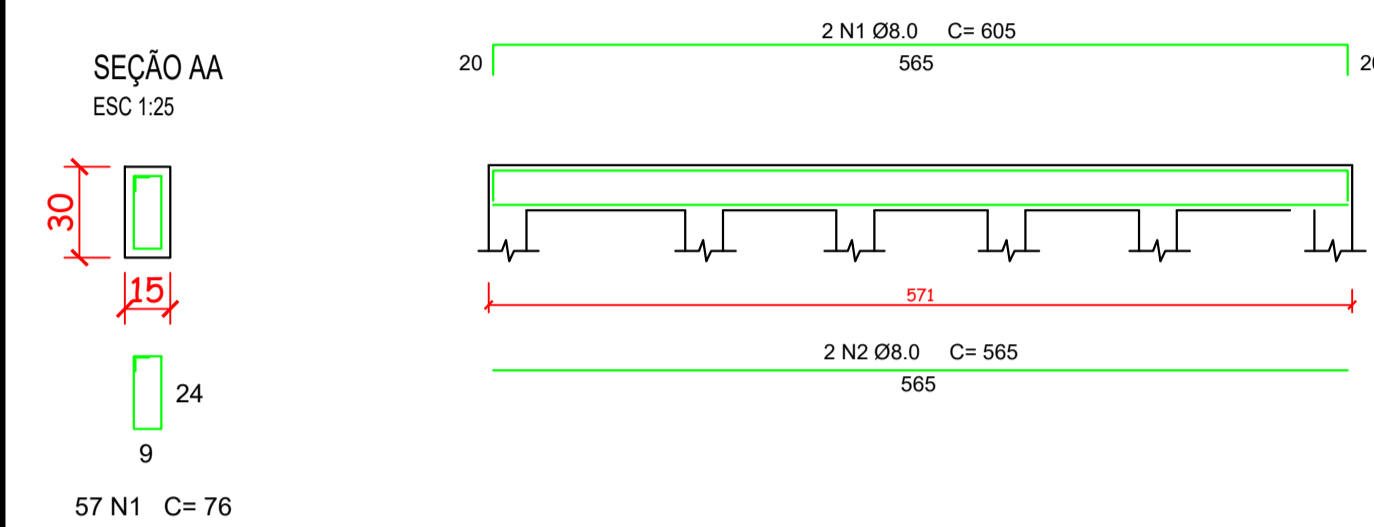
DETALHE MURO DE CONTENÇÃO 01
ESC 1:50



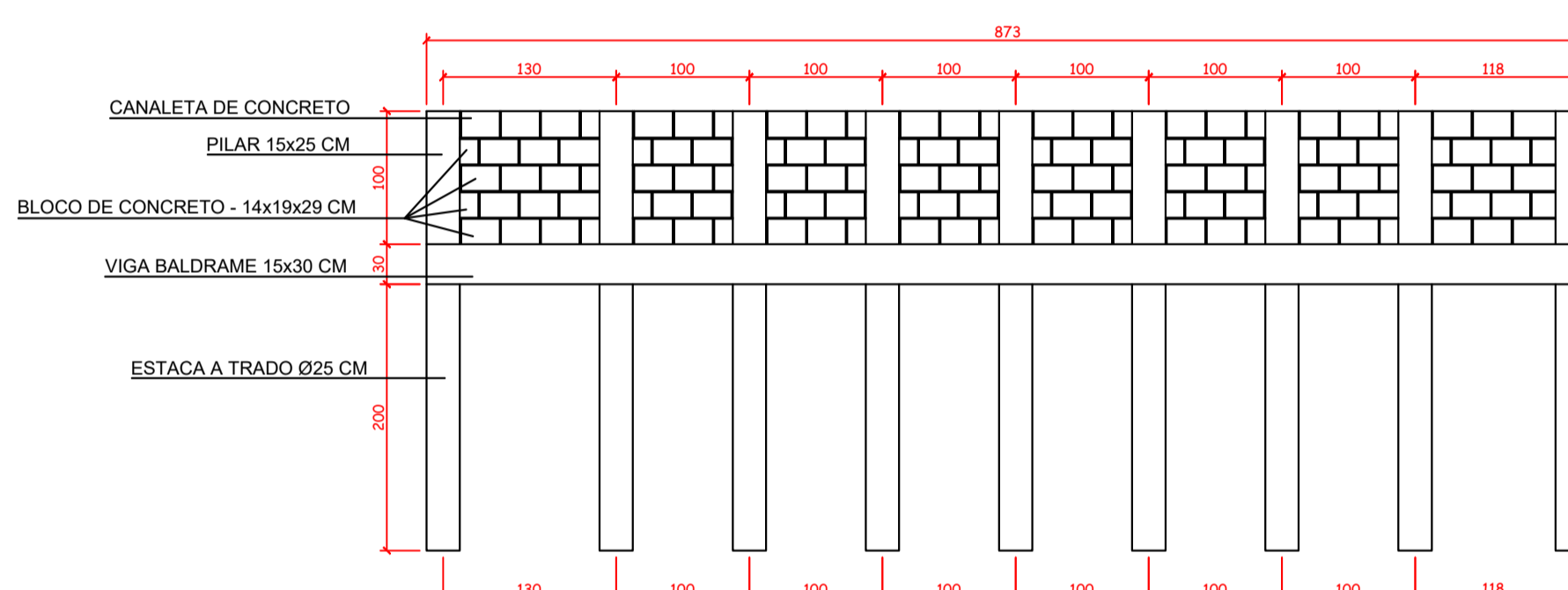
DETALHE MURO DE CONTENÇÃO 02
ESC 1:50



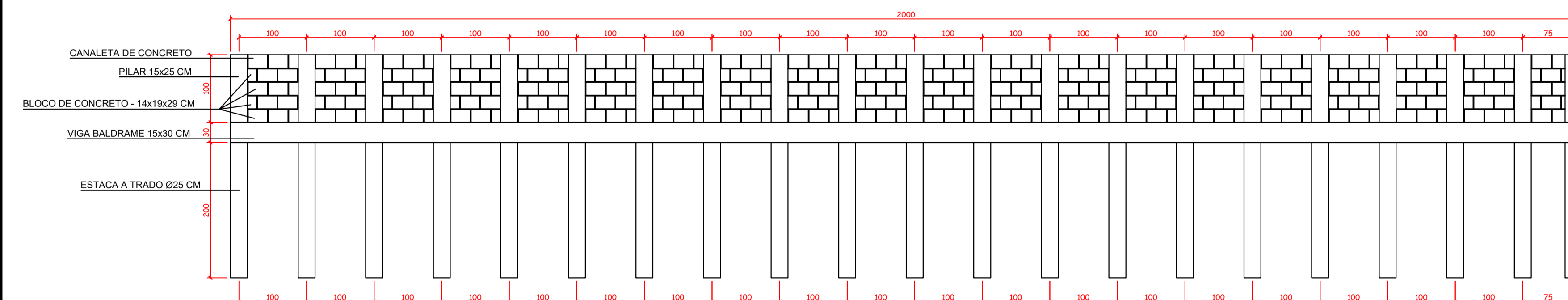
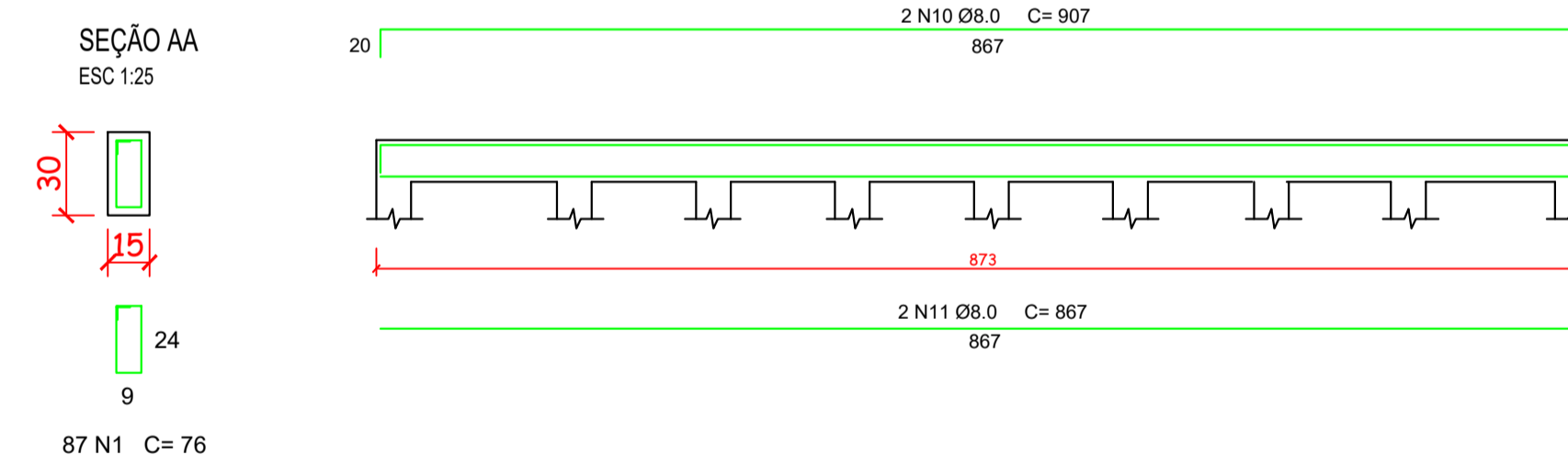
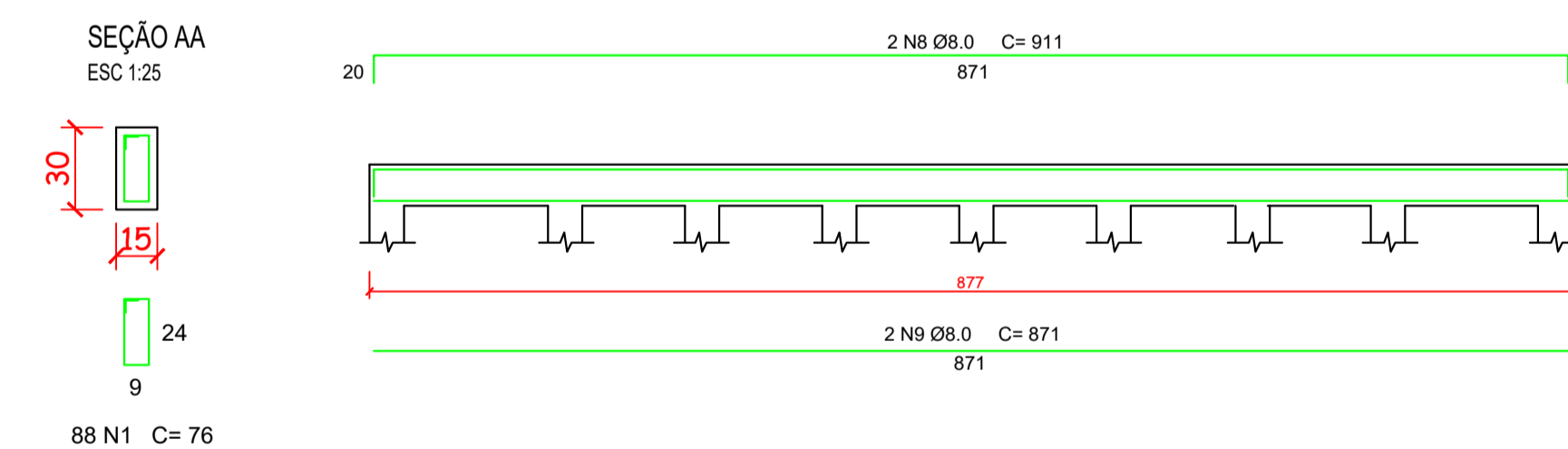
DETALHE MURO DE CONTENÇÃO 03
ESC 1:50



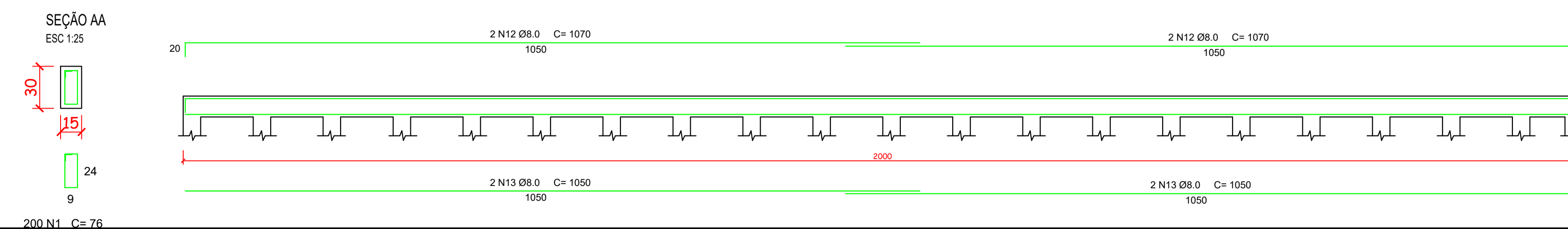
DETALHE MURO DE CONTENÇÃO 04
ESC 1:50



DETALHE MURO DE CONTENÇÃO 05
ESC 1:50



DETALHE MURO DE CONTENÇÃO 06
ESC 1:50



AMURES



ASSOCIAÇÃO DE MUNICÍPIOS DA REGIÃO SERRANA

PREFEITURA MUNICIPAL DE CORREIA PINTO

08/10

ASSESSORIA TÉCNICA

OBRA :

PROJETO: JAMES ANDRE
CLAUBERG504416909
04

Assinada em forma digital por
JAMES ANDRE
CLAUBERG50441690904
Dados: 2023.11.09 16:52:11 -01307

James André Clauberg
Eng. Civil - CREA 45.160-6

PROJETO MORRO DA CRUZ

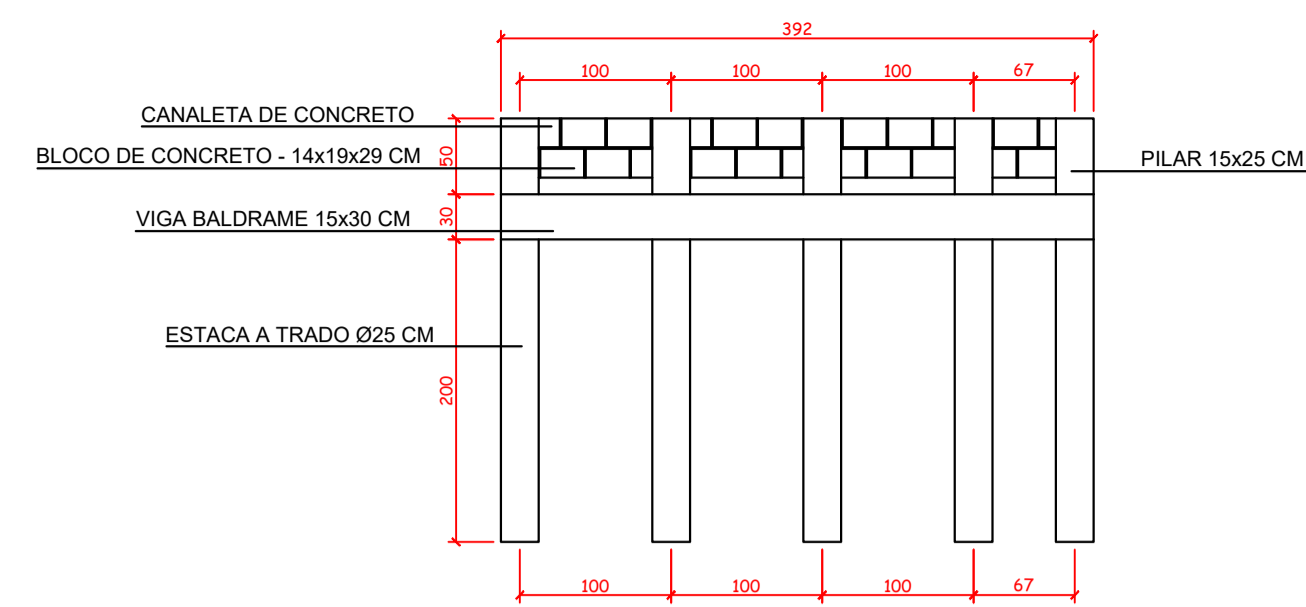
Detalhe de muros de contenção

PREFEITO: Edilson Germiniani dos Santos

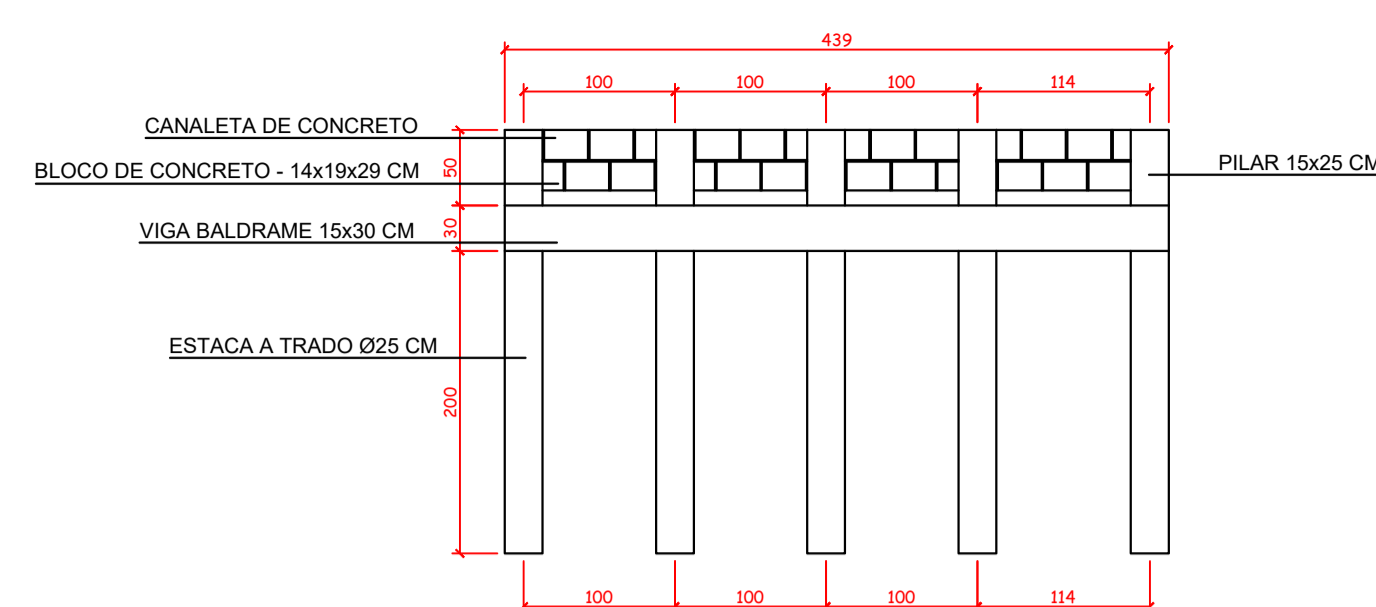
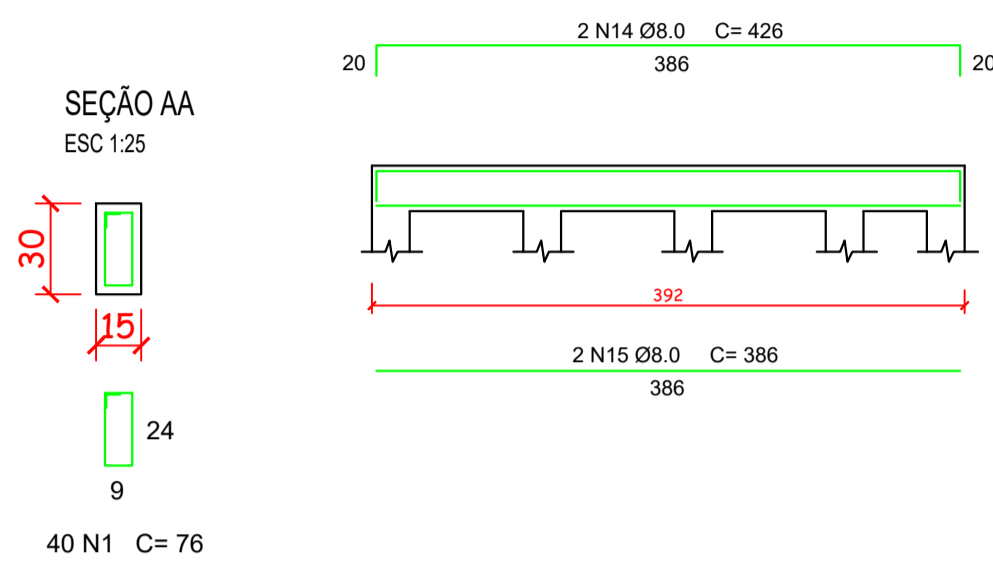
DESENHO: Mariane Moraes

Escala: Indicada

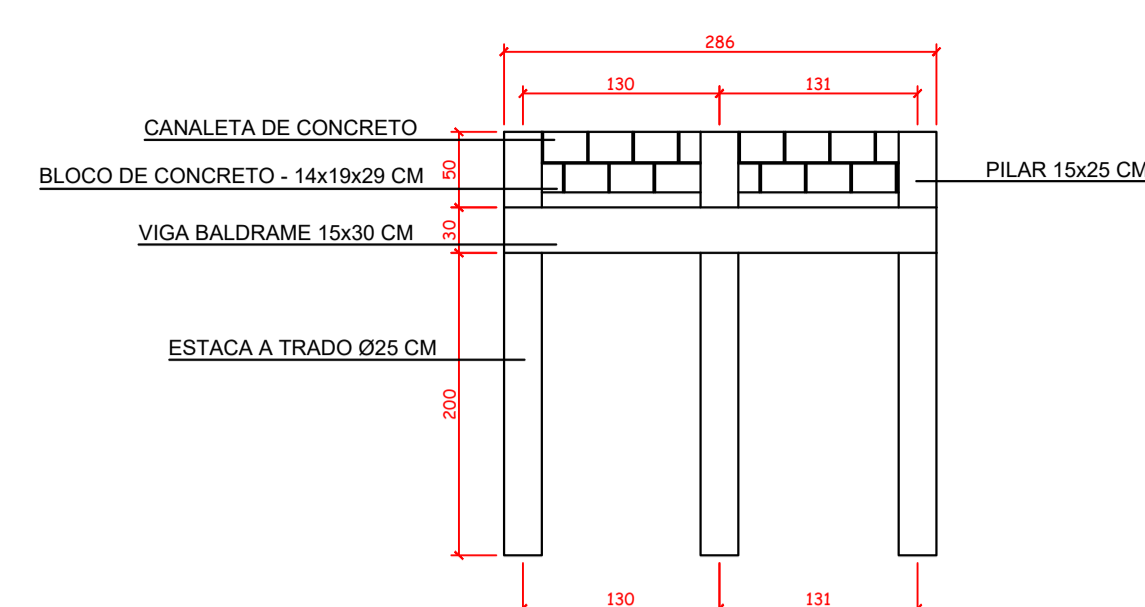
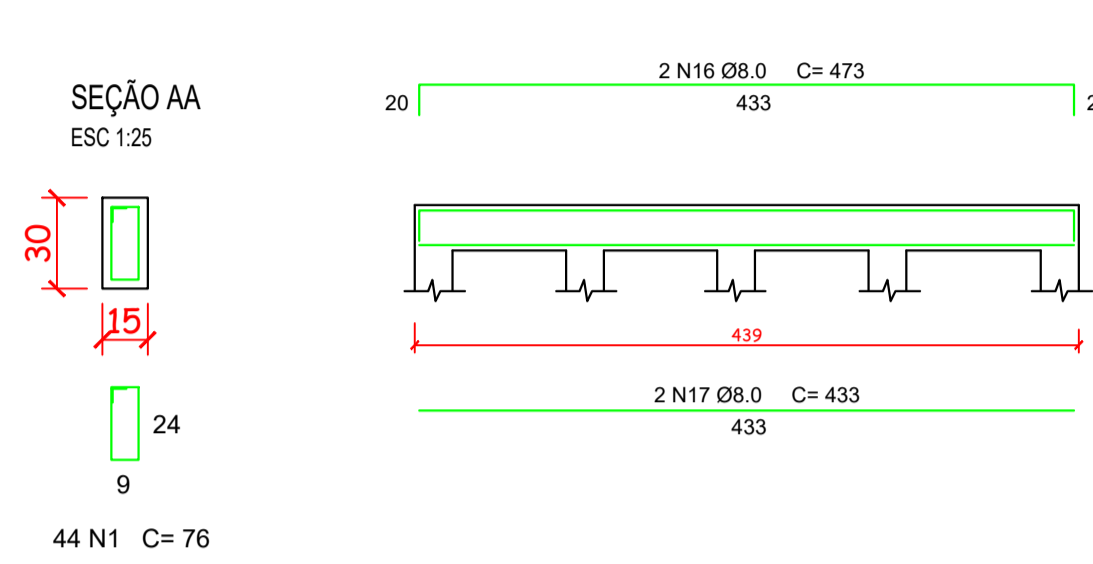
DATA: Outubro/2023



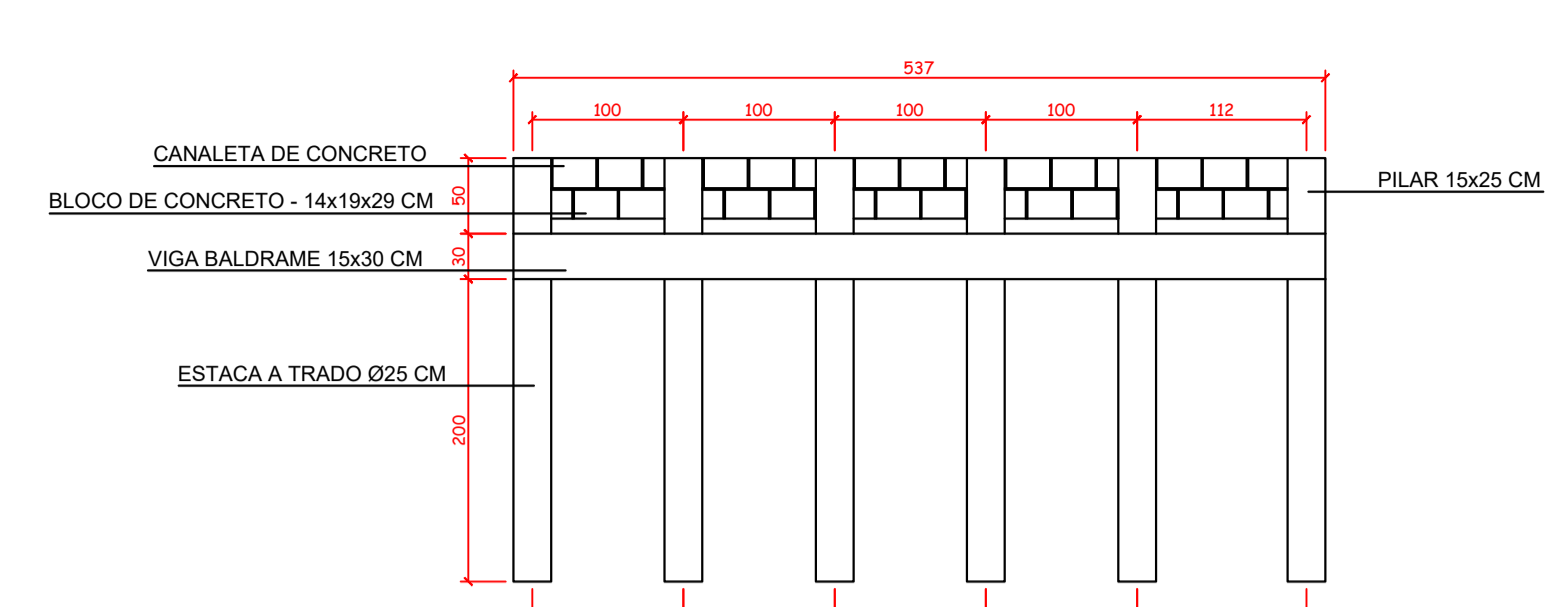
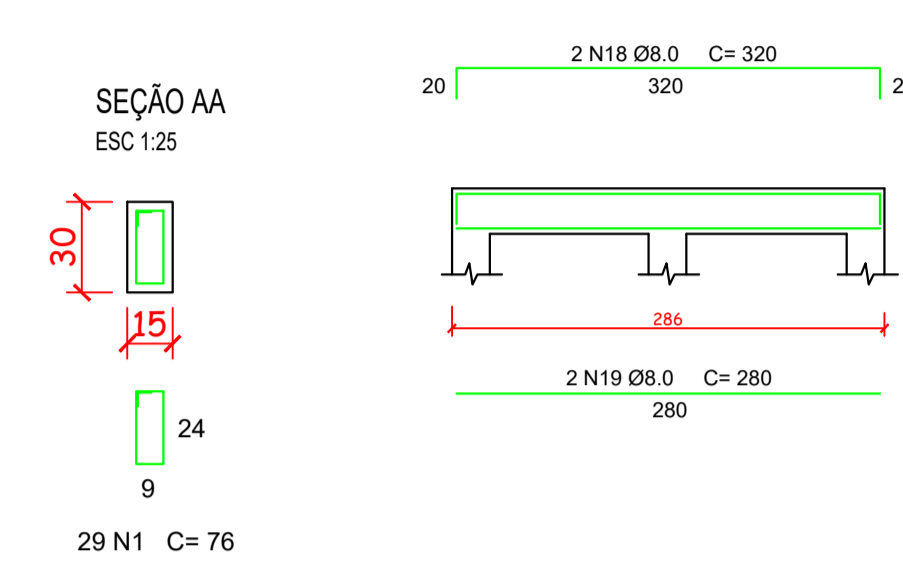
DETALHE MURO DE CONTENÇÃO 07
ESC 1:50



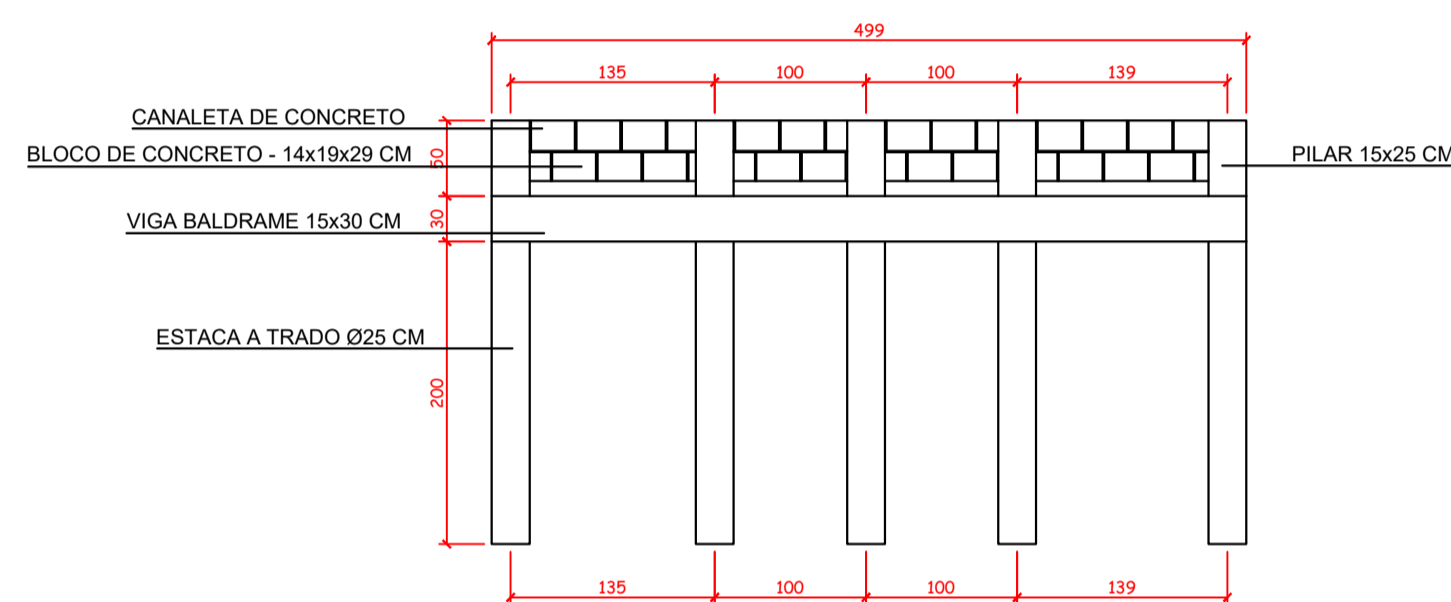
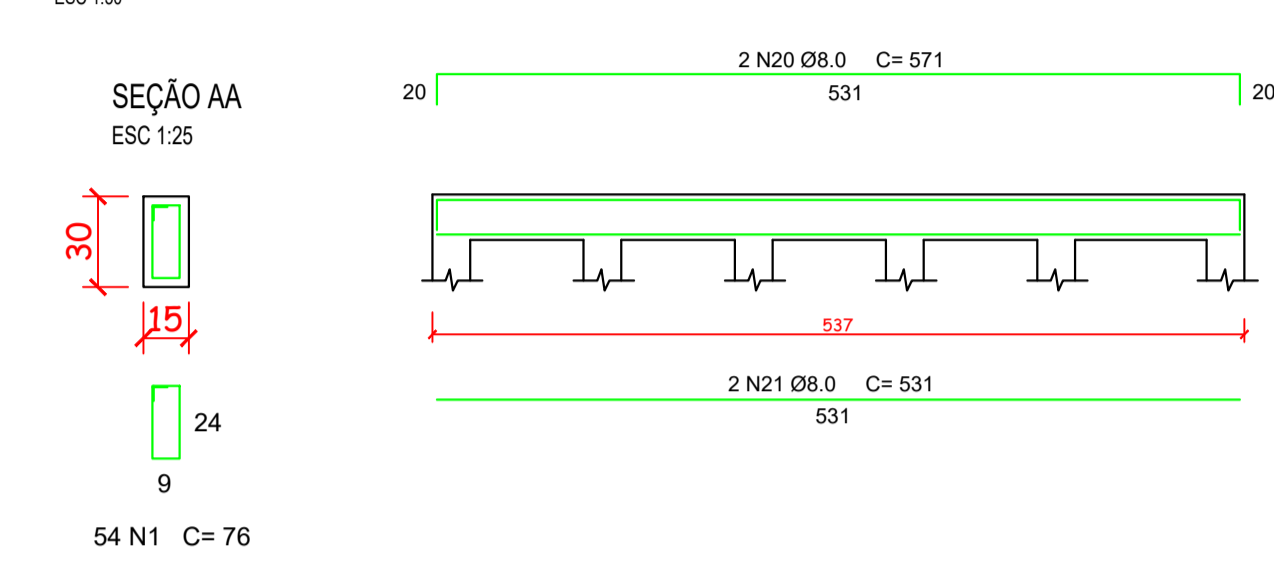
DETALHE MURO DE CONTENÇÃO 08
ESC 1:50



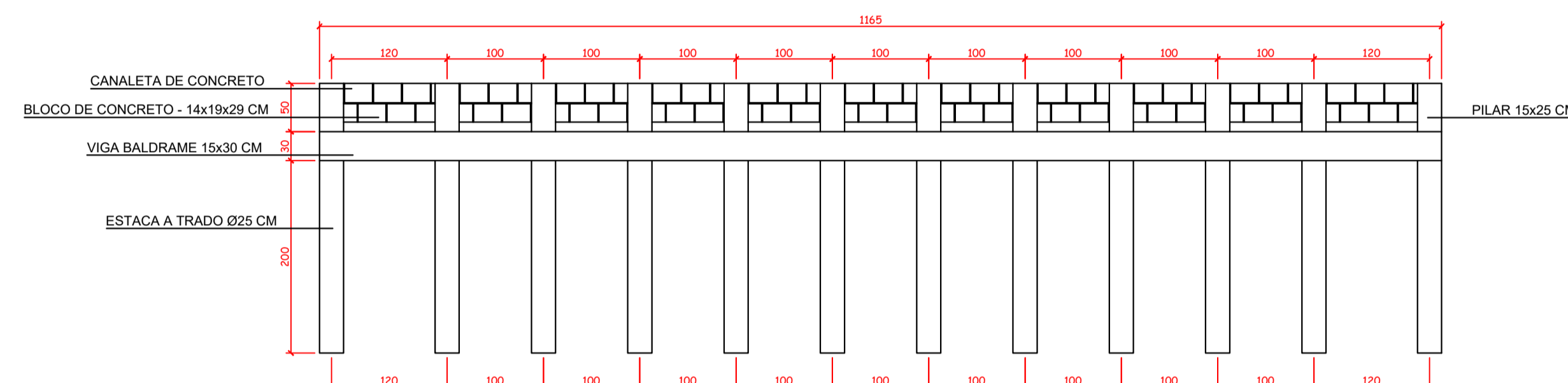
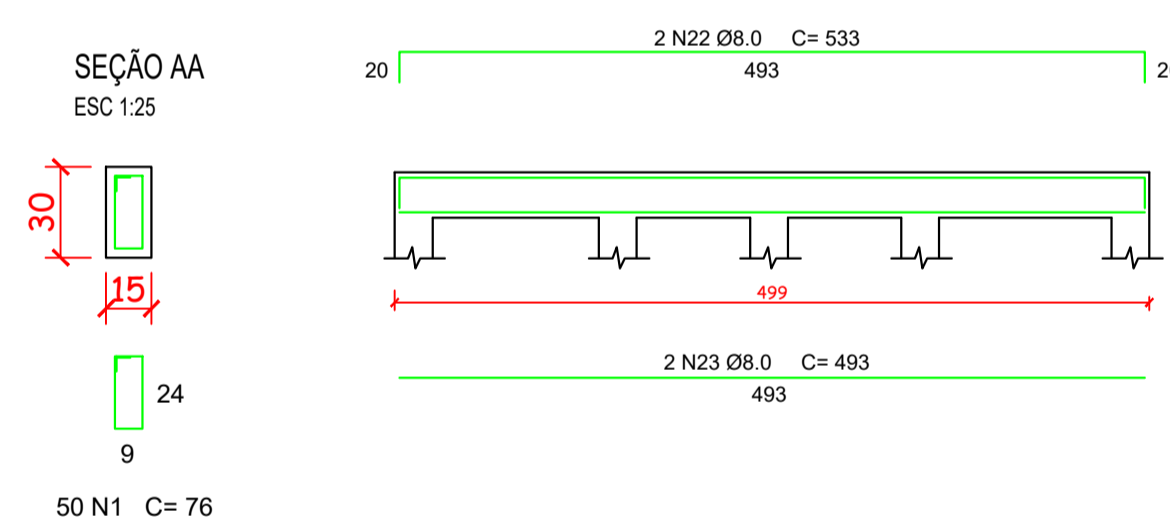
DETALHE MURO DE CONTENÇÃO 09
ESC 1:50



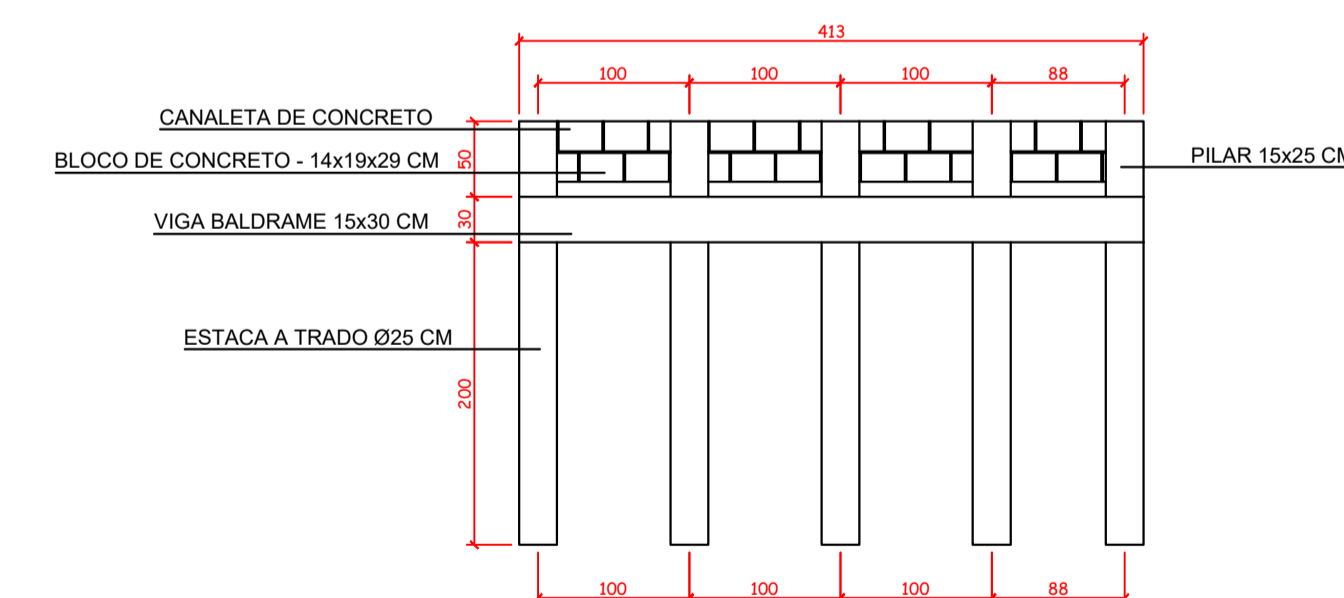
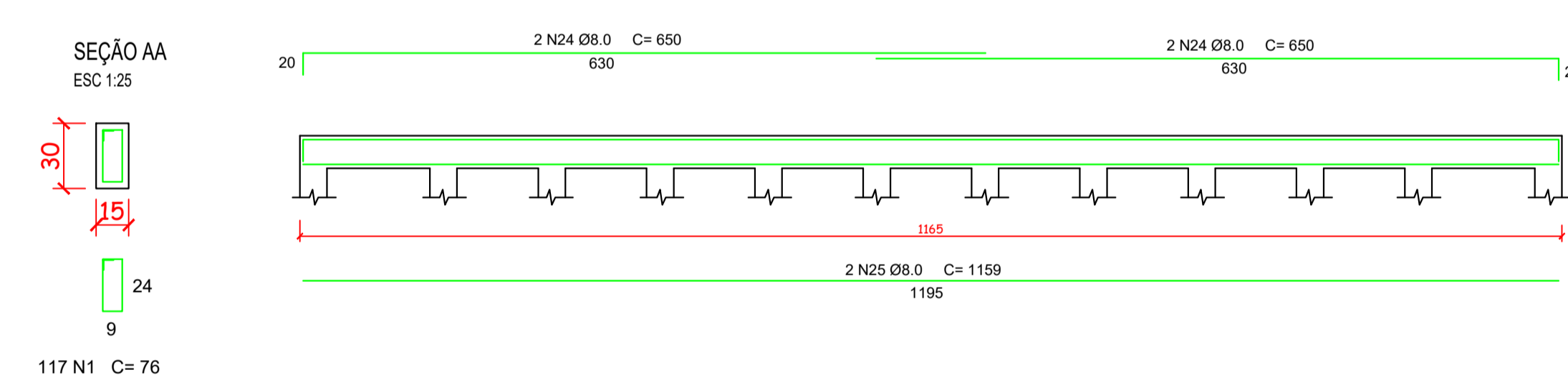
DETALHE MURO DE CONTENÇÃO 10
ESC 1:50



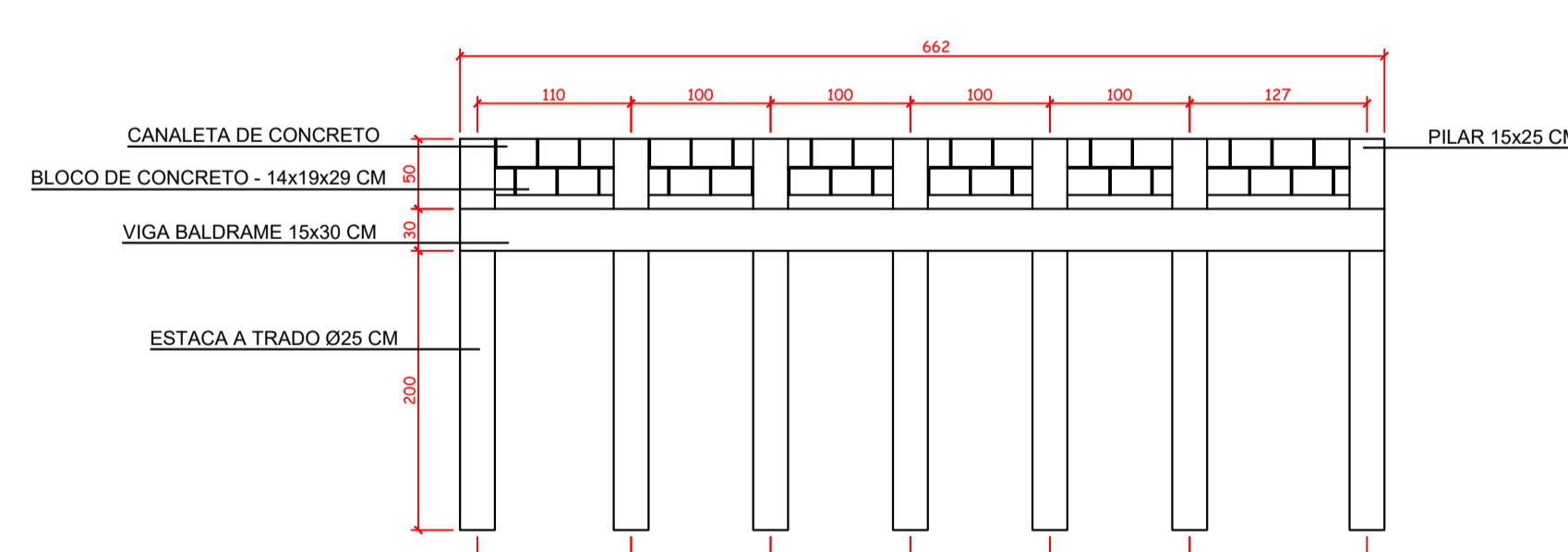
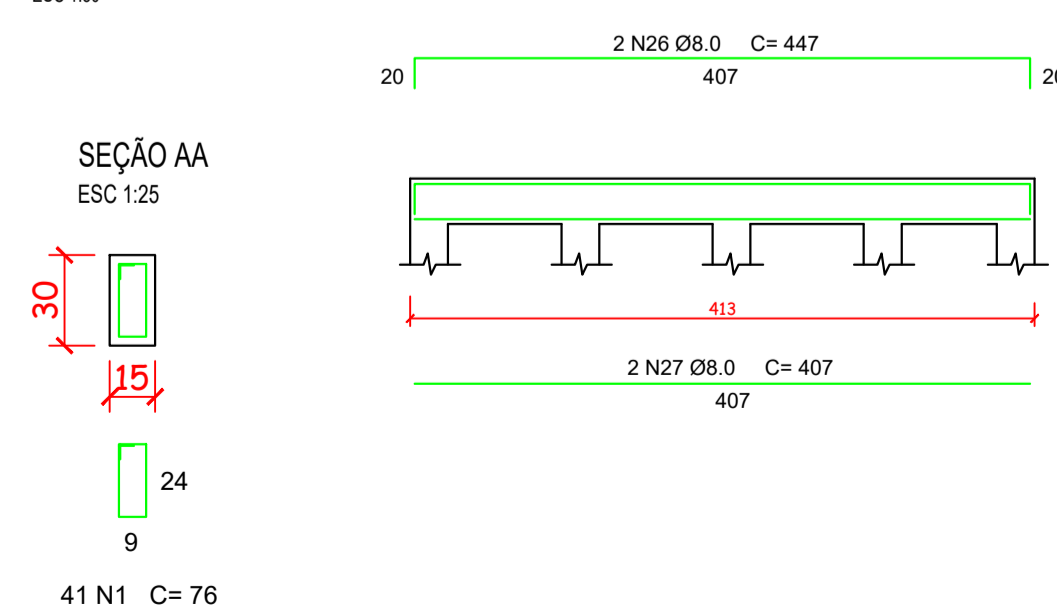
DETALHE MURO DE CONTENÇÃO 11
ESC 1:50



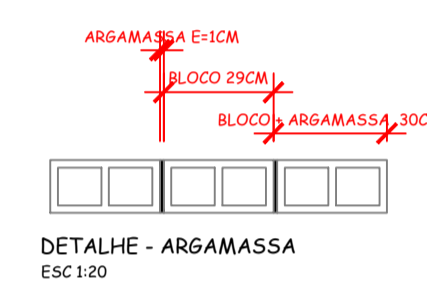
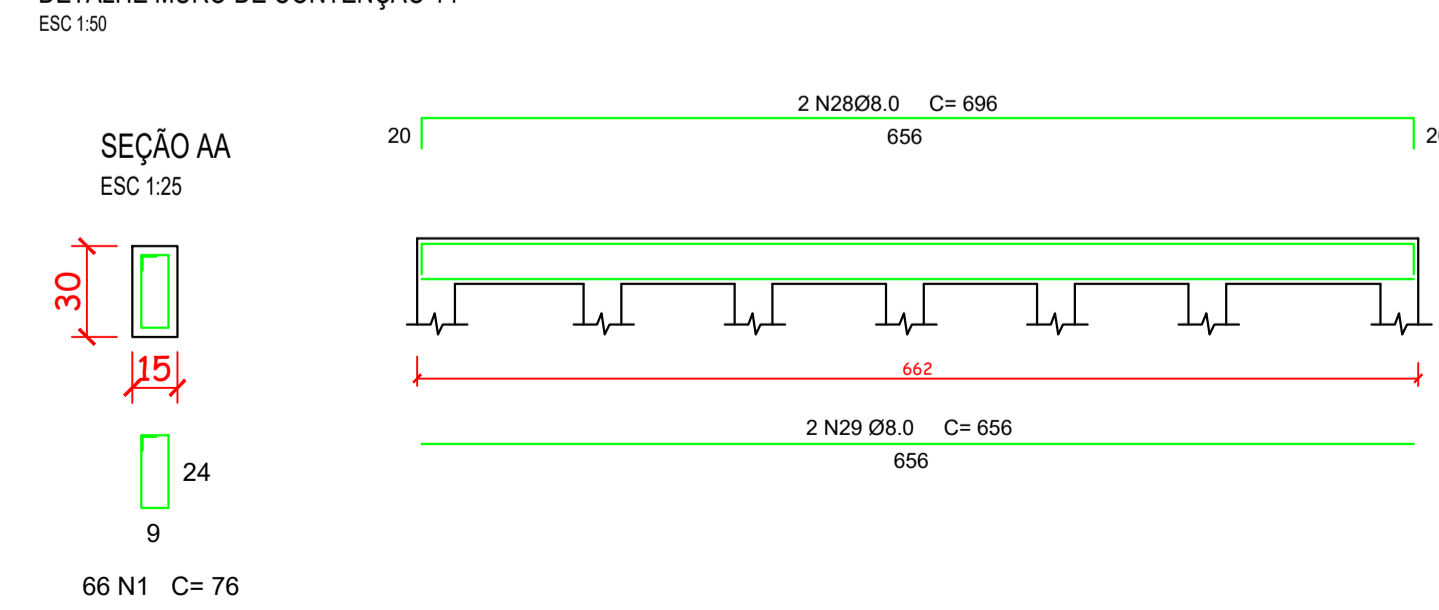
DETALHE MURO DE CONTENÇÃO 12
ESC 1:50



DETALHE MURO DE CONTENÇÃO 13
ESC 1:50



DETALHE MURO DE CONTENÇÃO 14
ESC 1:50



RESUMO DE AÇO - VIGAS BALDRAMES

ACO	N	COMPRIMENTO (M)	QUANTIDADE	TOTAL (M)
CA-60	1	0,76	1.072,00	814,72
	2	6,05	2	12,10
	3	5,65	2	11,30
	4	6,70	4	26,80
	5	11,79	2	23,58
	6	8,34	2	16,68
	7	7,94	2	15,88
	8	9,11	2	18,22
	9	8,71	2	17,42
	10	9,07	2	18,14
	11	8,67	2	17,34
	12	10,70	4	42,80
	13	10,5	4	42,00
	14	4,26	2	8,52
	15	3,86	2	7,72
	16	4,73	2	9,46
	17	4,33	2	8,66
	18	3,20	2	6,40
	19	2,80	2	5,60
	20	5,71	2	11,42
	21	5,31	2	10,62
	22	5,33	2	10,66
	23	4,93	2	9,86
	24	6,50	4	26
	25	11,59	2	23,18
	26	4,47	2	8,94
	27	4,07	2	8,14
	28	6,96	2	13,92
	29	6,56	2	13,12

RESUMO DE AÇO		PESO (Kg)	
Ø	COMPRIMENTO (m)	P/m	TOTAL
CA-50	12,10	0,395	4,78
CA-60	814,72	0,154	125,47
TOTAL GERAL			130,25

Área de forma: 64,34m²
Volume de Concreto: 4,83m³

AMURES



ASSOCIAÇÃO DE MUNICÍPIOS DA REGIÃO SERRANA

PREFEITURA MUNICIPAL DE
CORREIA PINTO

09/10

ASSESSORIA TÉCNICA

OBRA:

PROJETO: JAMES ANDRE
CLAUBERG:60441690
904

Assinado de forma digital por
JAMES ANDRE
CLAUBERG:60441690904
Data: 2023.10.06 16:58:49 -03'00'

James André Clauberger
Eng. Civil - CREA 46.160-6

PROJETO MORRO DA CRUZ

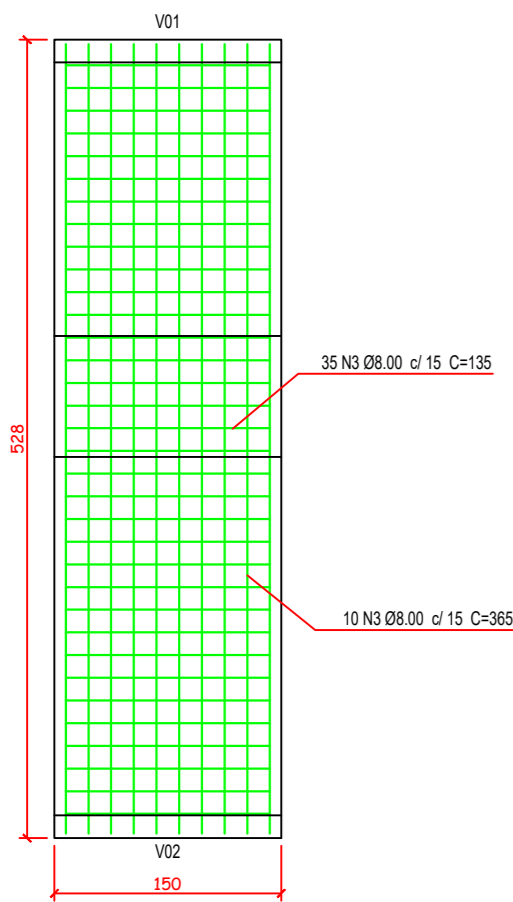
Detalhe de muros de contenção

PREFEITO: Edilson Germiniani dos Santos

DESENHO: Mariane Moraes

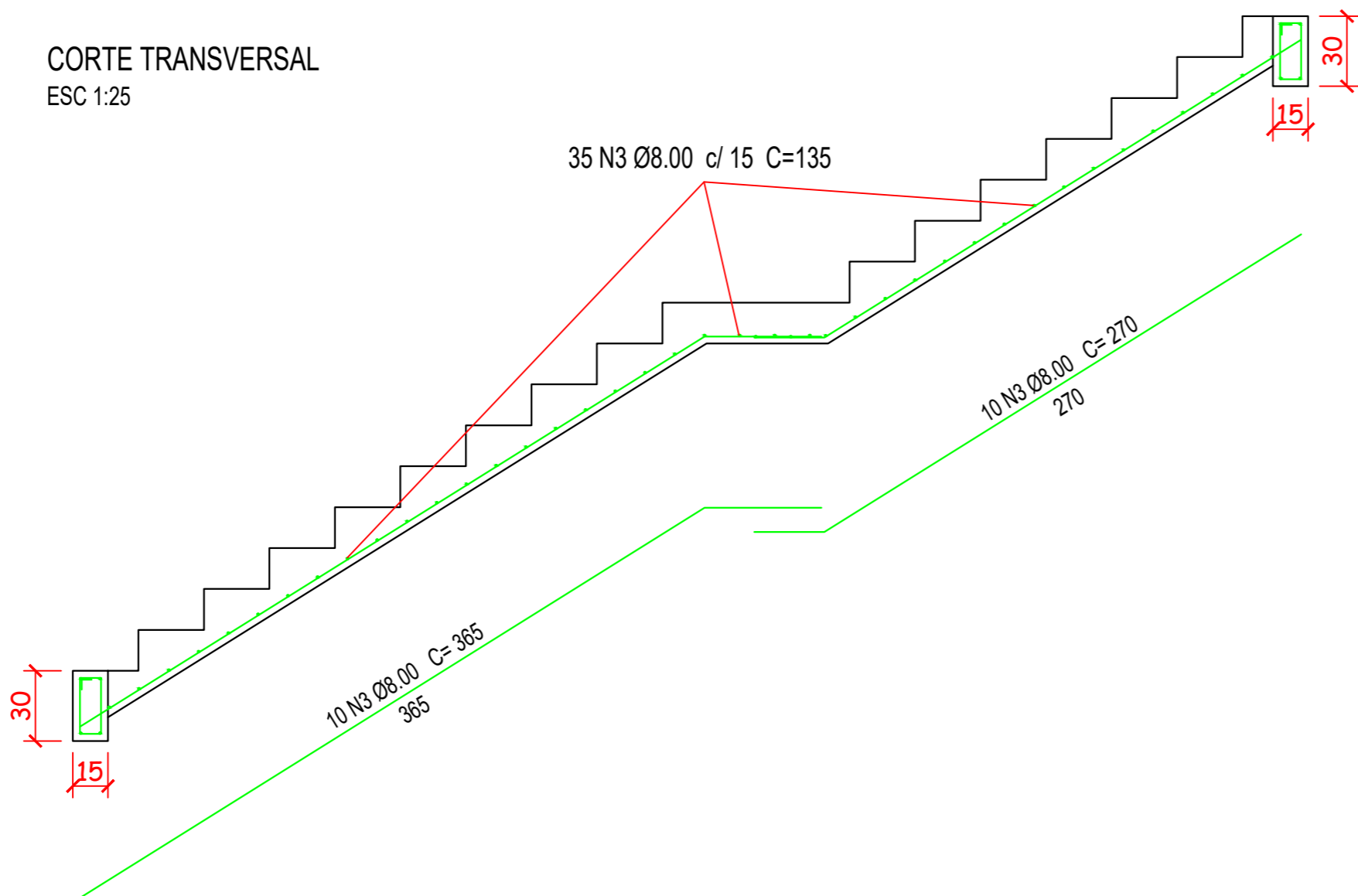
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DATA: Outubro/2023

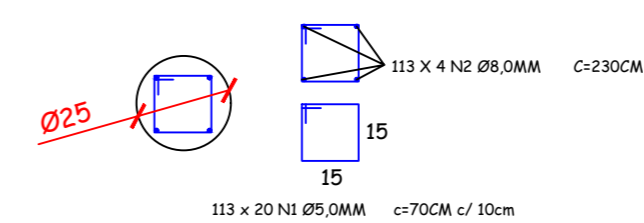


PLANTA BAIXA - ESCADA
ESC 1:50

CORTE TRANSVERSAL
ESC 1:25



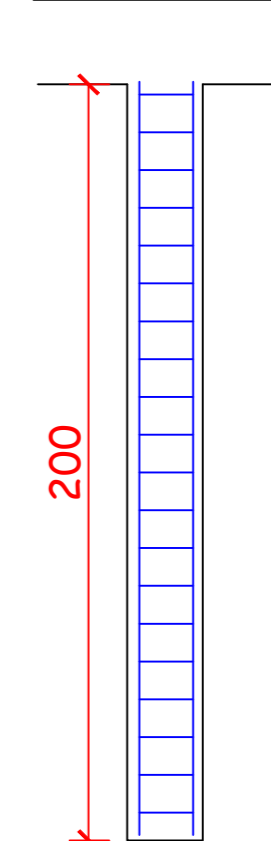
ESTACA-TRADO (113 UNIDADES)
ESCALA 1:20



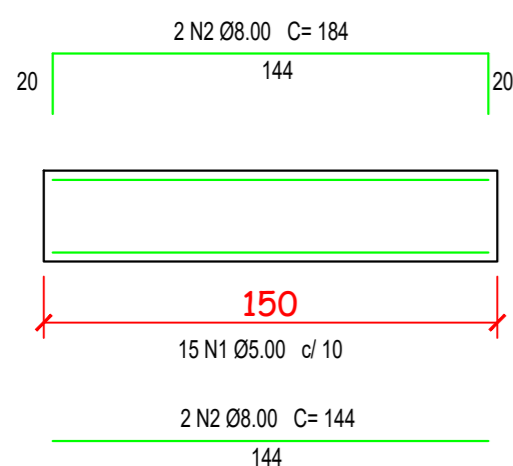
AÇO	N	COMPRIMENTO (M)	QUANTIDADE	TOTAL (M)
CA-60	1	0,70	2.260,00	1.582,00
CA-50	2	8,03	452,00	3.627,30

RESUMO DE AÇO		PESO (Kg)	
Ø	COMPRIMENTO (m)	P/m	TOTAL
CA-50	8,0	0,395	1432,78
CA-60	5,0	0,154	243,63
TOTAL GERAL			1.676,41

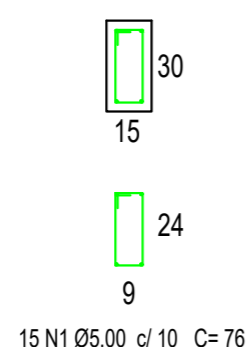
Volume de Concreto: 11,09m³



V01 = V02
ESC 1:25



SEÇÃO
ESC 1:25

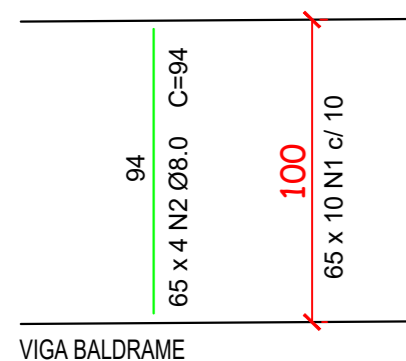


AÇO	N	COMPRIMENTO (M)	QUANTIDADE	TOTAL (M)
CA-60	1	0,76	30	22,80
CA-50	2	2,70	10	27,00
CA-50	3	1,35	35	47,25

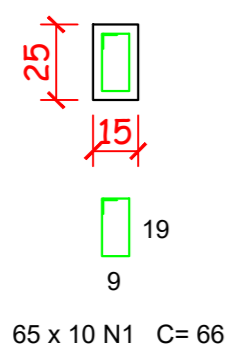
RESUMO DE AÇO		PESO (Kg)	
Ø	COMPRIMENTO (m)	P/m	TOTAL
CA-50	8,0	0,395	10,67
CA-60	5,0	0,154	3,51
TOTAL GERAL			14,18

Área de forma: 3,86m²
Volume de Concreto: 1,70m³

PILARES - H= 1,0M - 65 PILARES
ESC 1:25



SEÇÃO AA
ESC 1:25

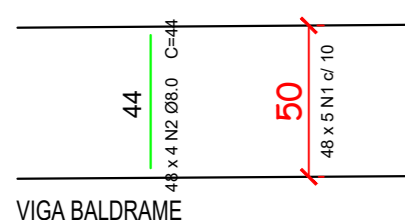


RESUMO DE AÇO - PILARES H= 1,00M

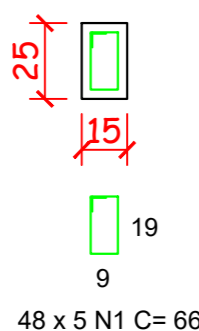
AÇO	N	COMPRIMENTO (M)	QUANTIDADE	TOTAL (M)
CA-60	1	0,66	650	429,00
CA-50	2	0,94	260	244,4

RESUMO DE AÇO		PESO (Kg)	
Ø	COMPRIMENTO (m)	P/m	TOTAL
CA-50	8,0	0,395	96,54
CA-60	5,0	0,154	66,07
TOTAL GERAL			162,60

PILARES - H= 0,5M - 48 PILARES
ESC 1:25



SEÇÃO AA
ESC 1:25



RESUMO DE AÇO - PILARES H= 0,50M

AÇO	N	COMPRIMENTO (M)	QUANTIDADE	TOTAL (M)
CA-60	1	0,66	240	158,40
CA-50	2	0,44	192	84,48

RESUMO DE AÇO		PESO (Kg)	
Ø	COMPRIMENTO (m)	P/m	TOTAL
CA-50	8,0	0,395	33,37
CA-60	5,0	0,154	24,39
TOTAL GERAL			57,76

AMURES		ASSOCIAÇÃO DE MUNICÍPIOS DA REGIÃO SERRANA	
PREFEITURA MUNICIPAL DE CORREIA PINTO			10/10
ASSESSORIA TÉCNICA		OBRA :	
PROJETO: JAMES ANDRE CLAUBERG:60441690904 690904 Assinado de forma digital por JAMES ANDRE CLAUBERG:60441690904 Dados: 2023.11.06 16:16:13 -03'00'		PROJETO MORRO DA CRUZ Detalhe de muros de contenção Estrutura de escada	
PREFEITO: Edilson Germiniani dos Santos			
DESENHO : Mariane Moraes		Escala: indicada	DATA : Outubro/2023