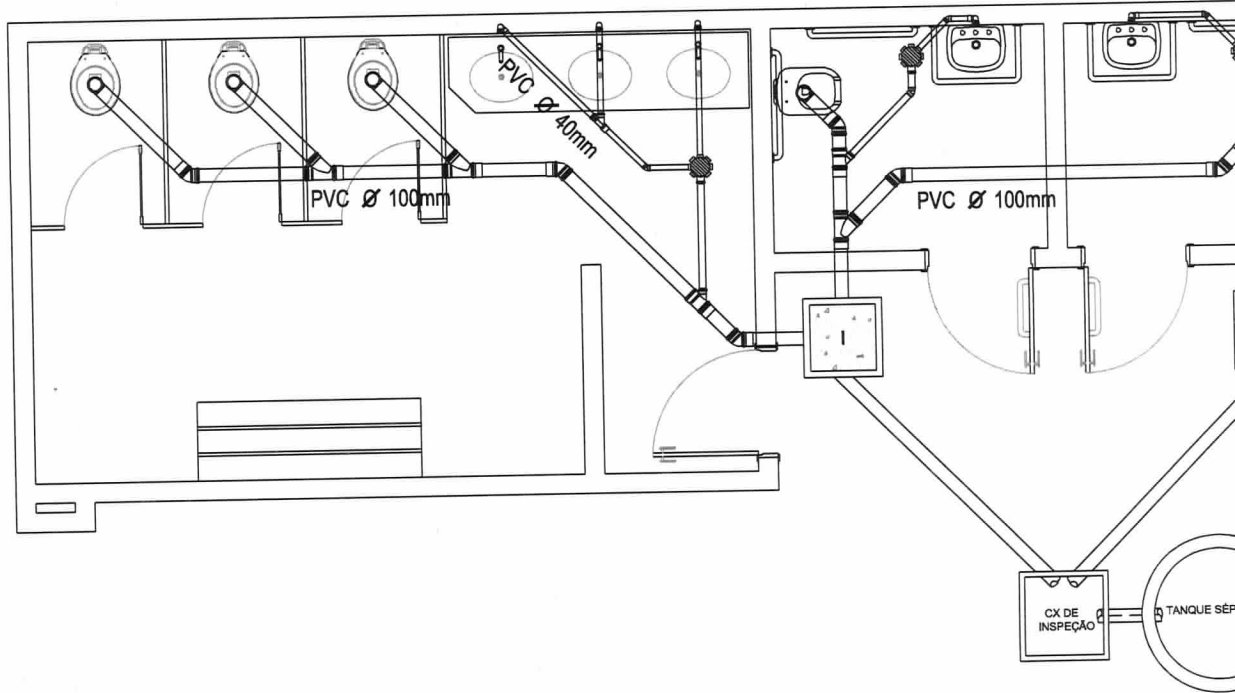


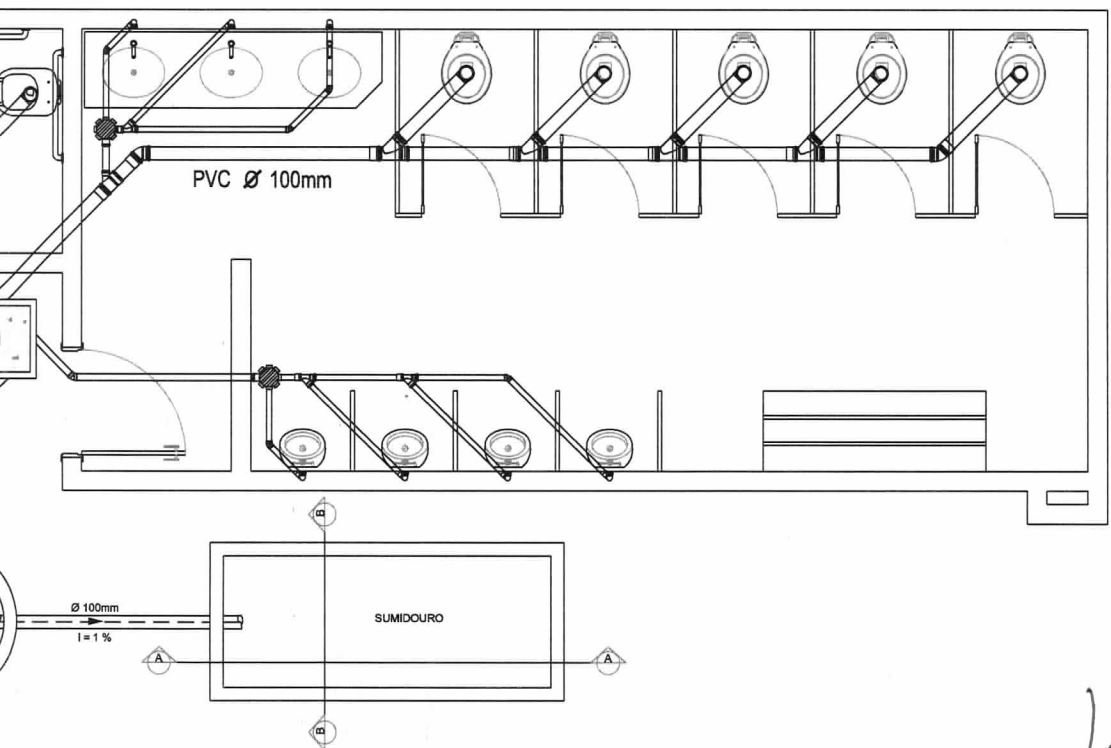
PROJETO DE ARQUITETURA

PROJETO	CONSTRUÇÃO DO ESTÁDIO MUNICIPAL	RESPONSÁVEL	CLAUDIA VILLAS BOAS	DATA	21/09/18	ESCALA	1/50
CLIENTE	GOVERNO MUNICIPAL DE SÃO LUÍS DO CURU - CE	DESENHO	SAM LIMA	<h1>09-11</h1>			
ENDEREÇO	RUA DO CAMPO - SÃO LUÍS DO CURU - CE						
CONTEÚDO	BANHEIRO - INSTALAÇÕES ELÉTRICA / HIDRAULICA						



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 Prefeitura Municipal de
 São Luís do Curu





LEGENDA	
	TUBULAÇÃO DE ESGOTO EM PVC * TIGRE * Ø 100 mm
	TUBULAÇÃO DE ESGOTO EM PVC Ø 50 mm
	CAIXA SIFONADA Ø 50 mm EM PVC * TIGRE * COM GRELHA
	RALO SECO Ø 50 mm EM PVC * TIGRE *
	CAIXA DE PASSAGEM EM ALVENARIA

PROJETO DE ARQUITETURA

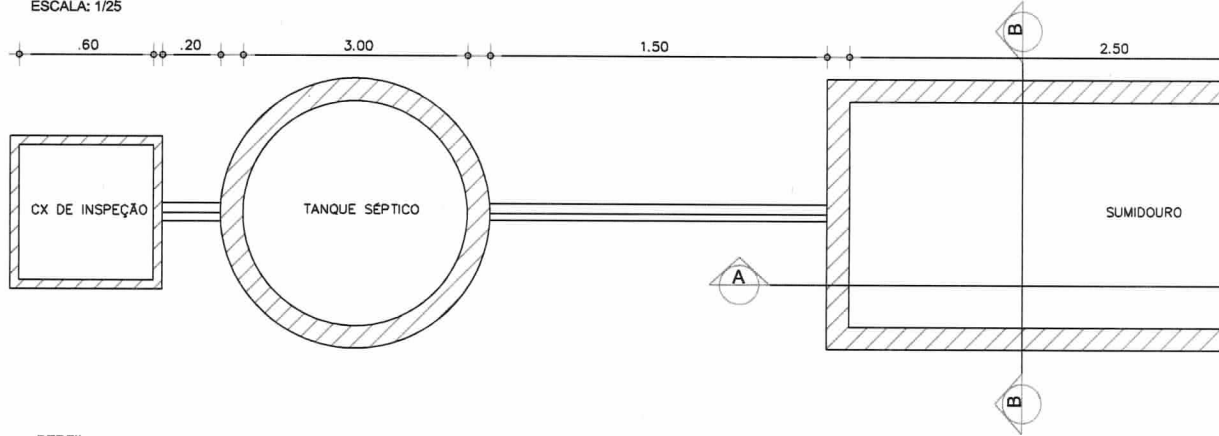
PROJETO	CONSTRUÇÃO DO ESTÁDIO MUNICIPAL	RESPONSÁVEL	CLAUDIA VILLAS BOAS	ESCALA	1/50
CLIENTE	GOVERNO MUNICIPAL DE SÃO LUÍS DO CURU - CE	DESENHO	SAM LIMA		
ENDEREÇO	RUA DO CAMPO - SÃO LUÍS DO CURU - CE				
CONTEÚDO	BANHEIRO - INSTALAÇÃO SANITÁRIA				

10-11

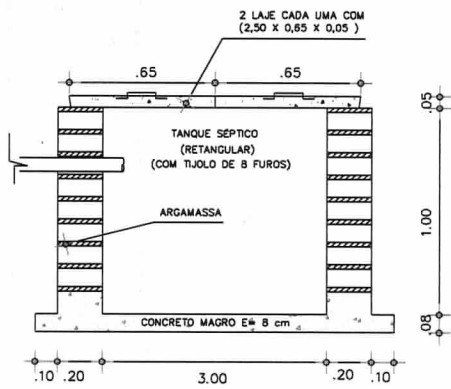
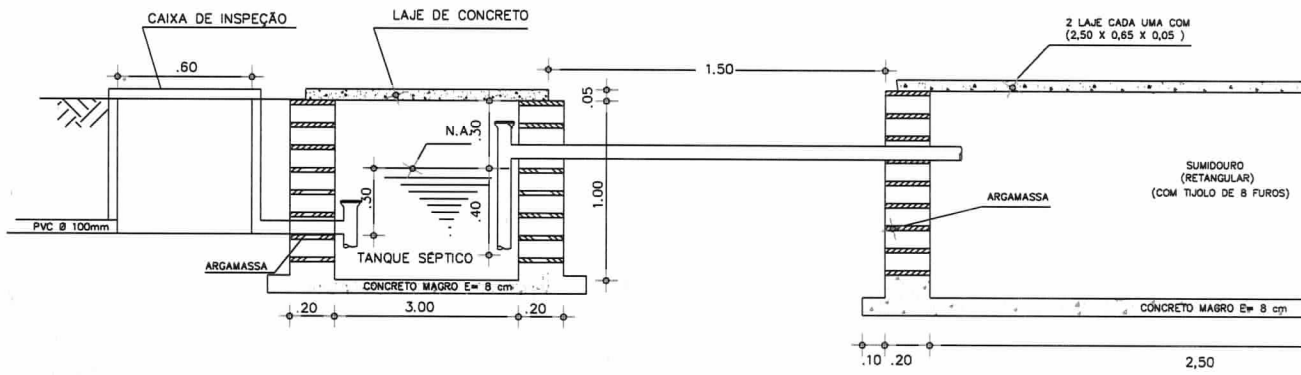


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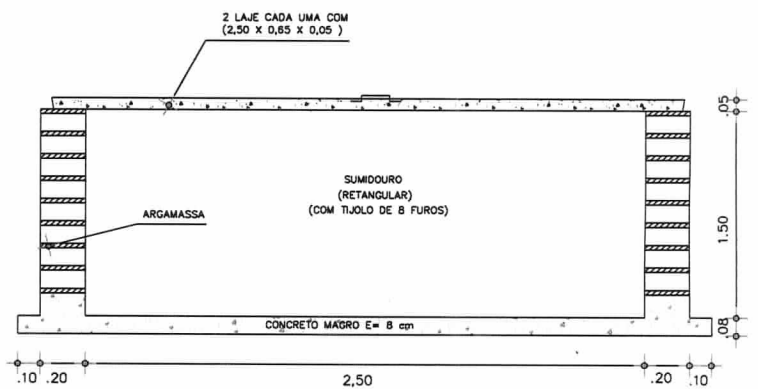
PLANTA
ESCALA: 1/25



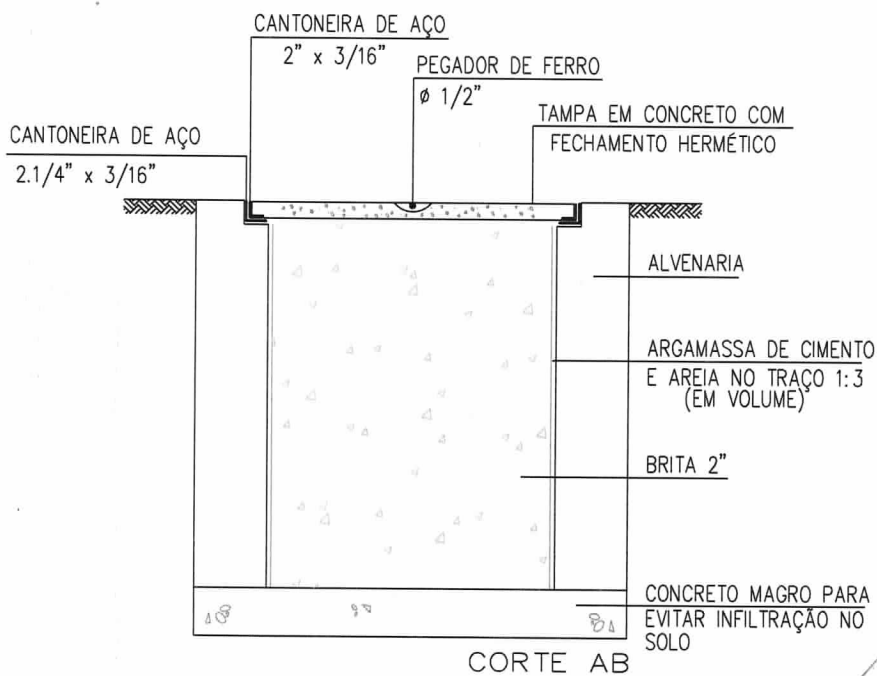
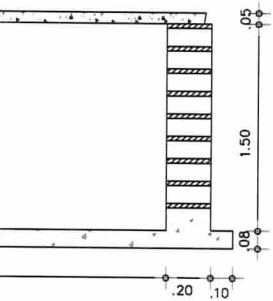
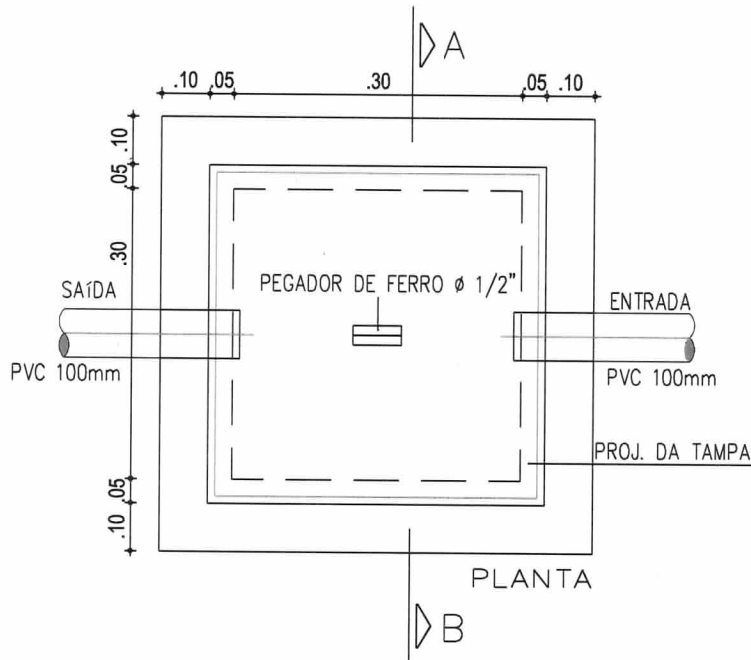
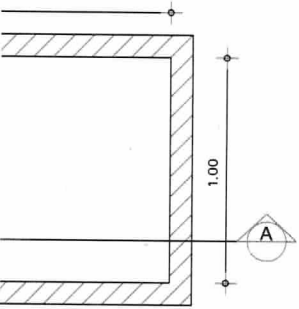
PERFIL
ESCALA: 1/25



02 CORTE BB
SUMIDOURO



03 CORTE AA
SUMIDOURO



47 DETALHE CAIXA DE INSPEÇÃO
ESC.: 1/10

PROJETO DE ARQUITETURA

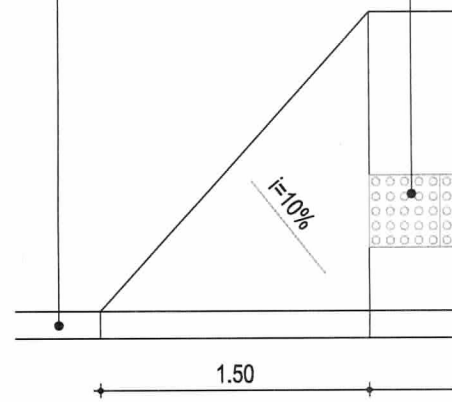
PROJETO	CONSTRUÇÃO DO ESTÁDIO MUNICIPAL	RESPONSÁVEL	CLAUDIA VILLAS BOAS	ESCALA	1/50
CLIENTE	GOVERNO MUNICIPAL DE SÃO LUÍS DO CURU - CE	DESENHO	SAM LIMA	DATA	21/09/18
ENDEREÇO	RUA DO CAMPO - SÃO LUÍS DO CURU - CE				
CONTEÚDO	BANHEIRO - INSTALAÇÃO SANITÁRIA				

11-11

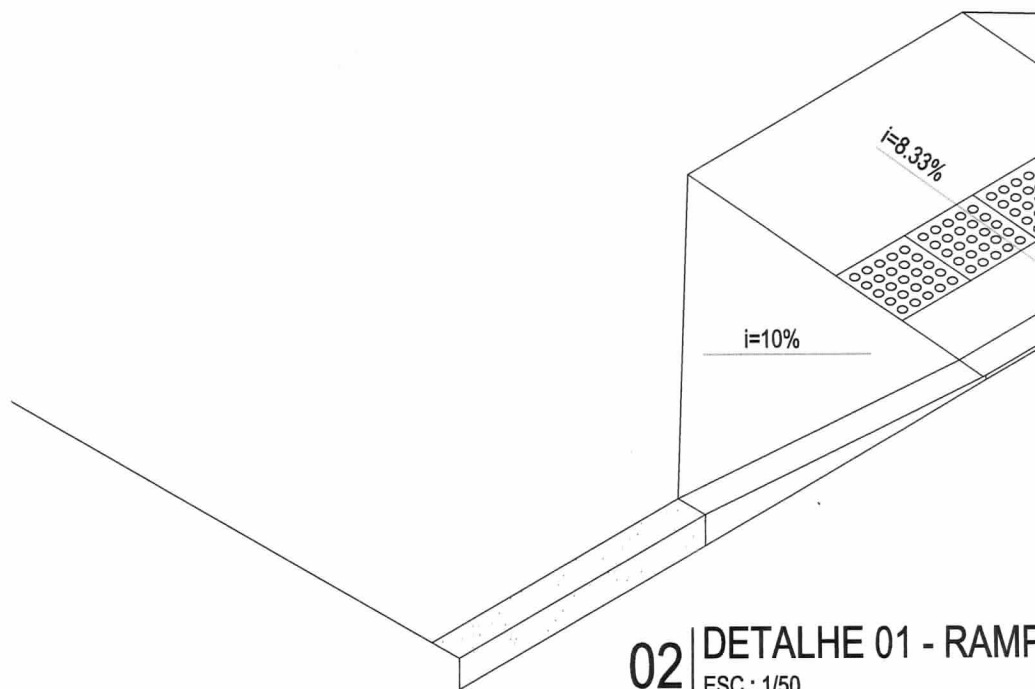


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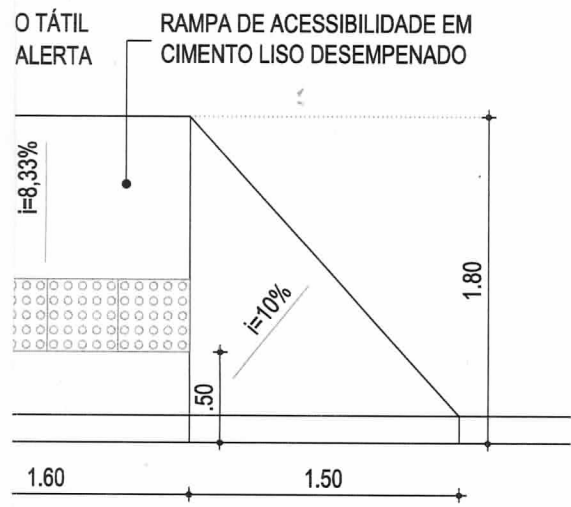
MEIO-FIO EM
CONCRETO
PRÉ MOLDADO



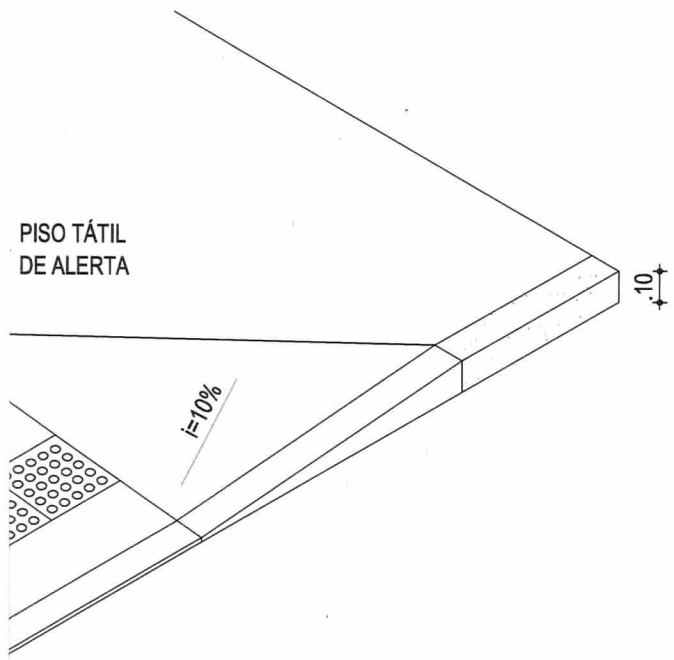
01 | DETALHE 02 - RAMPA
ESC.: 1/50



02 | DETALHE 01 - RAMPA
ESC.: 1/50



ACESSÍVEL



ACESSÍVEL

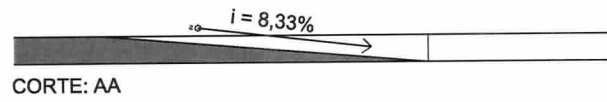
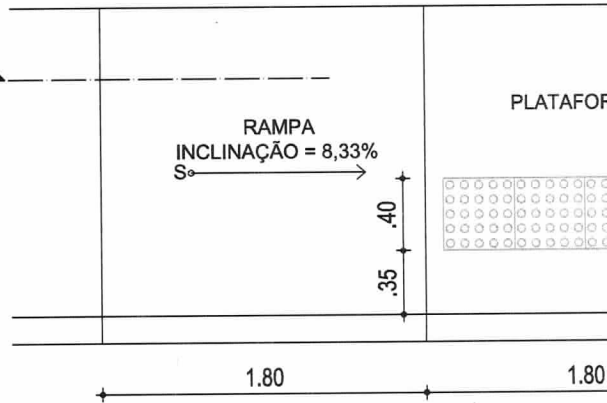
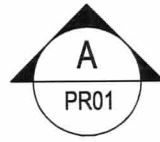
PROJETO DE ARQUITETURA

DATA	21/09/18	ESCALA	1/50
03-05			

PROJETO	ESTÁDIO MUNICIPAL DE SÃO LUÍS CURU	RESPONSÁVEL	CLAUDIA VILLAS BOAS
CLIENTE	GOVERNO MUNICIPAL DE SÃO LUÍS DO CURU - CE	DESENHO	SAM LIMA
ENDEREÇO	RUA DO CAMPO		
CONTEÚDO	DETALHE CONSTRUTIVO RAMPA DE ACESSIBILIDADE		



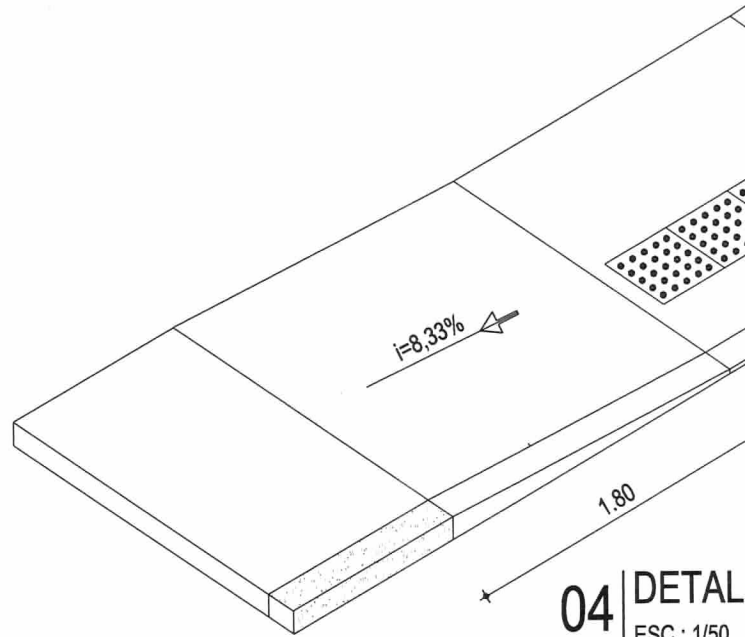
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CORTE: AA

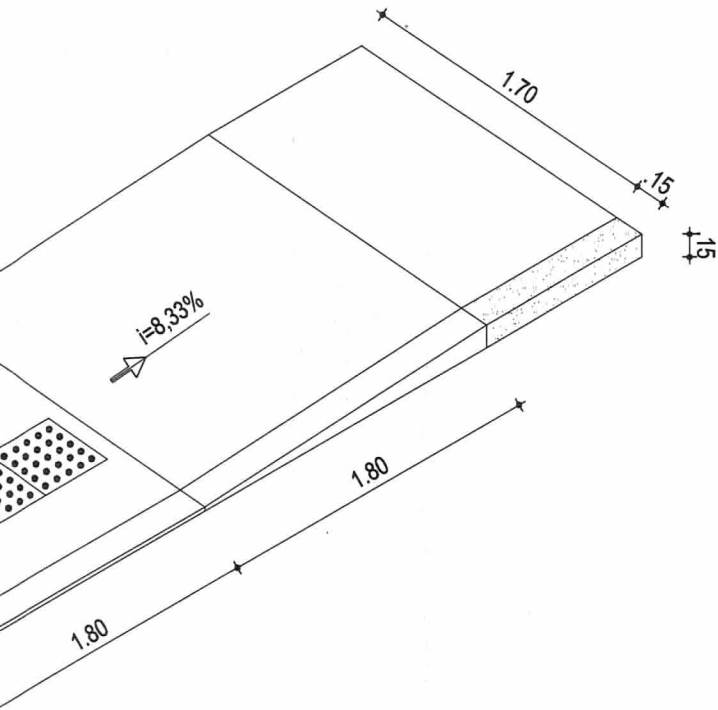
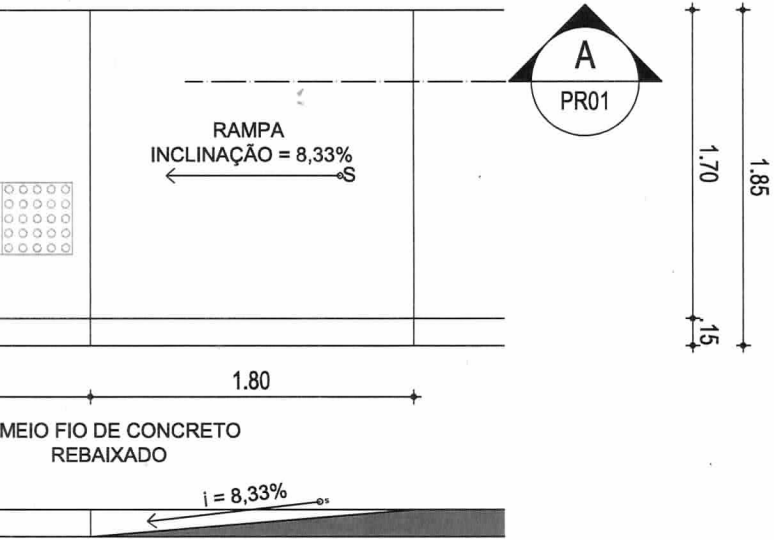
03 | DETALHE 05 - RAMPA ACESSÍVEL

ESC.: 1/50



04 | DETALHE

ESC.: 1/50



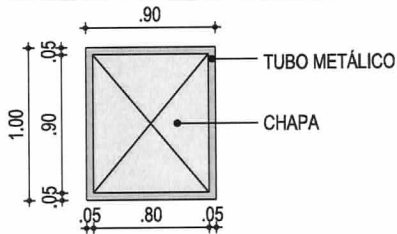
05 - RAMPA ACESSÍVEL

PROJETO DE ARQUITETURA

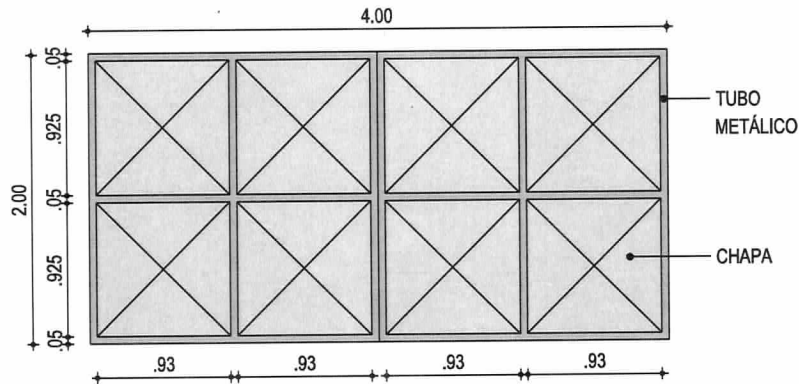
PROJETO	ESTÁDIO MUNICIPAL DE SÃO LUÍS CURU	RESPONSÁVEL	CLAUDIA VILLAS BOAS	DATA	21/09/18	ESCALA	1/50
CLIENTE	GOVERNO MUNICIPAL DE SÃO LUÍS DO CURU - CE	DESENHO	SAM LIMA	04-05			
ENDEREÇO	RUA DO CAMPO						
CONTEÚDO	DETALHE CONSTRUTIVO RAMPA DE ACESSIBILIDADE						



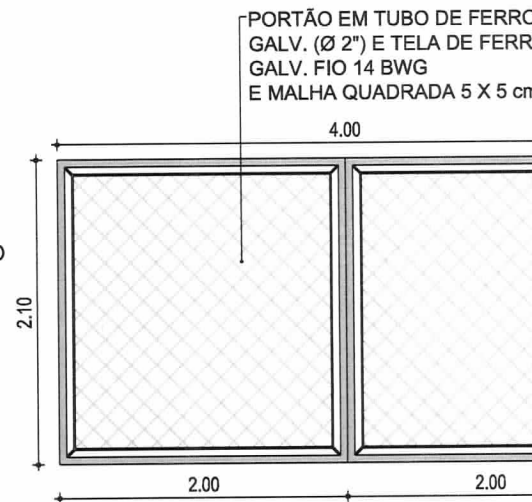
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Prefeitura Municipal de
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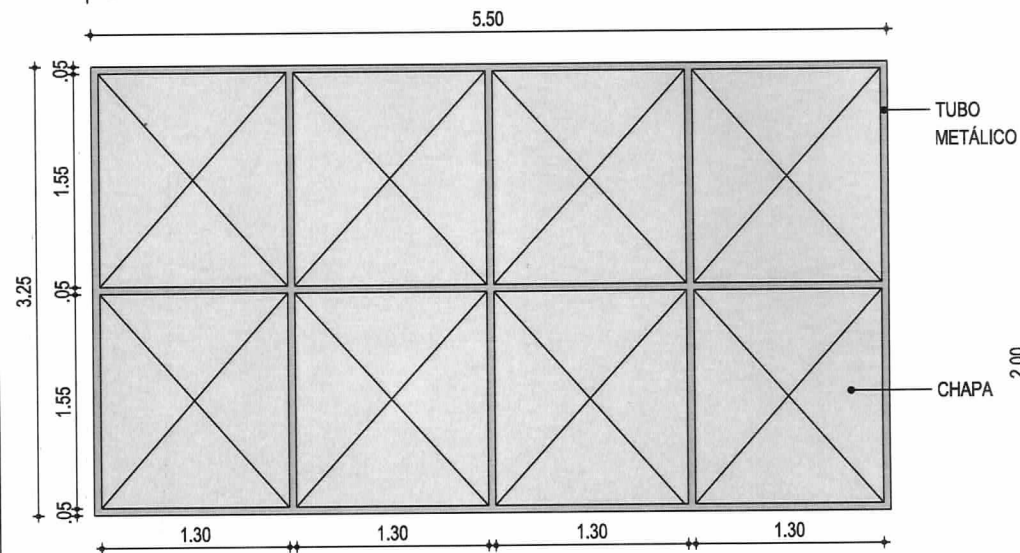
07 PORTÃO PF05
ESC.: 1/50



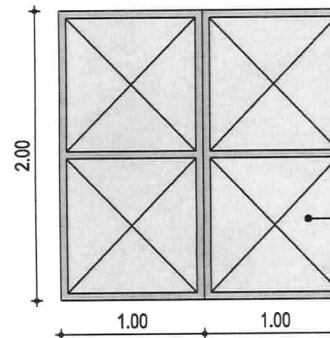
05 PORTÃO PF03
ESC.: 1/50



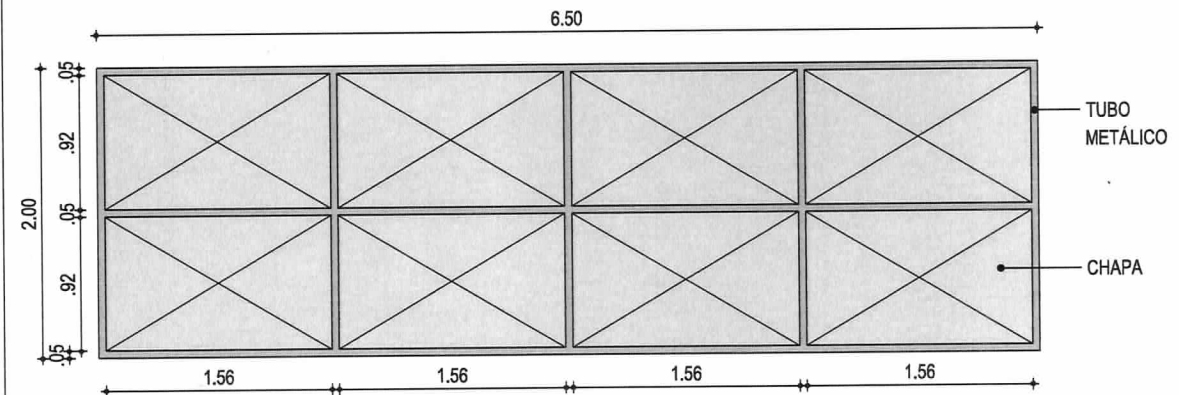
08 PORTÃO PF02
ESC.: 1/50



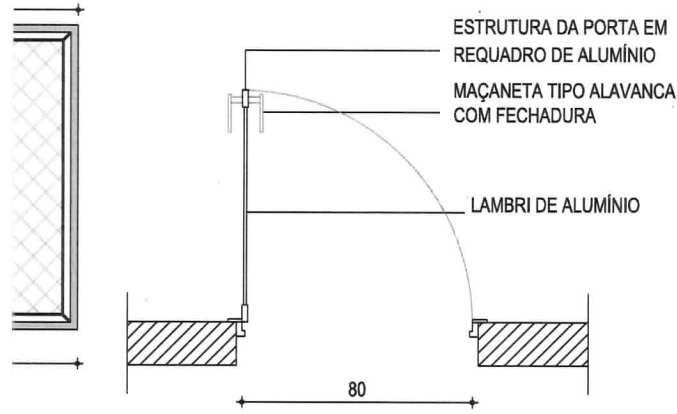
06 PORTÃO PF06
ESC.: 1/50



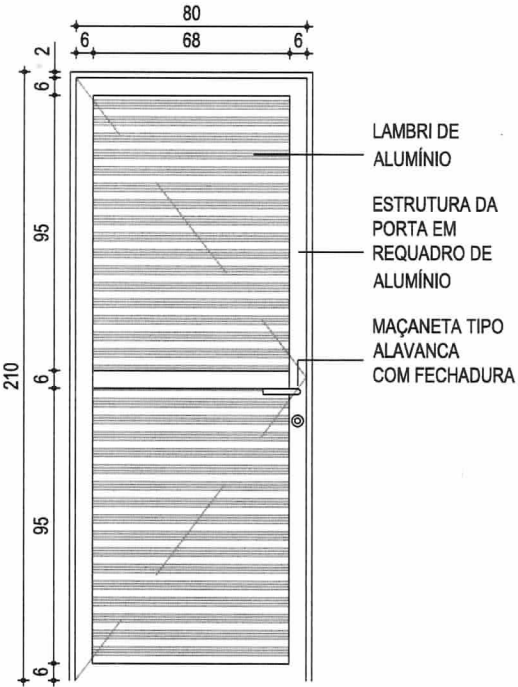
09 PORTÃO PF04
ESC.: 1/50



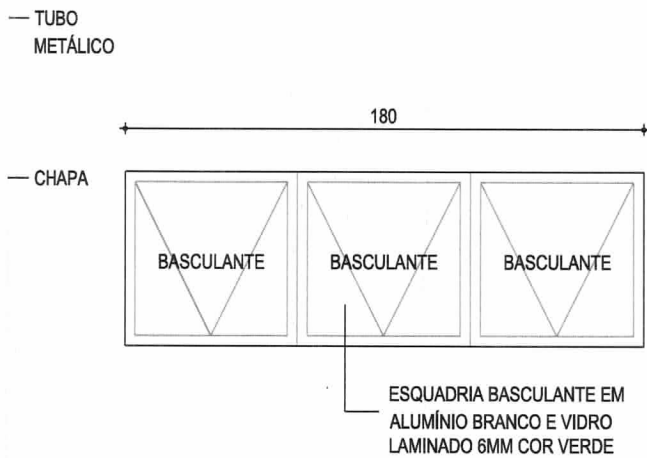
07 PORTÃO PF01
ESC.: 1/50



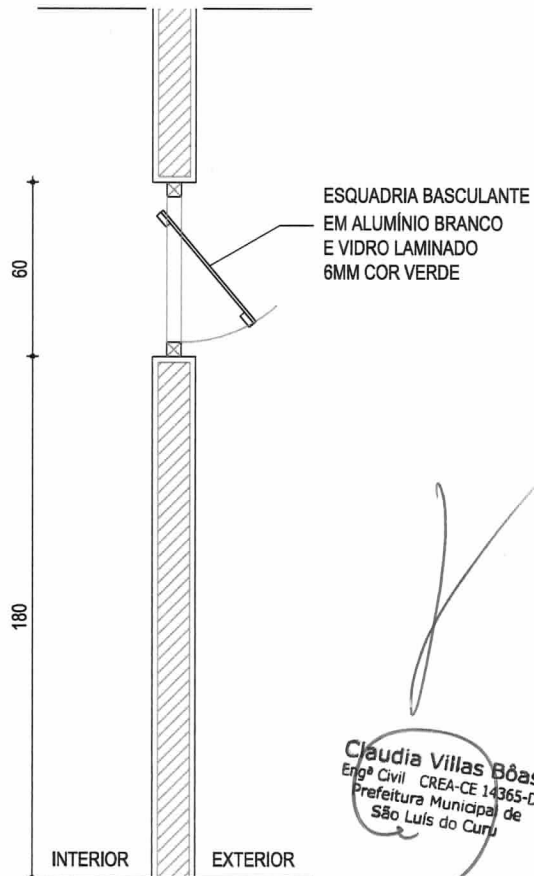
10 | DETALHE PA1 - PLANTA
ESC.: 1/25



11 | DETALHE PA1 - VISTA
ESC.: 1/25



12 | DETALHE J01 - VISTA / CORTE
ESC.: 1/25

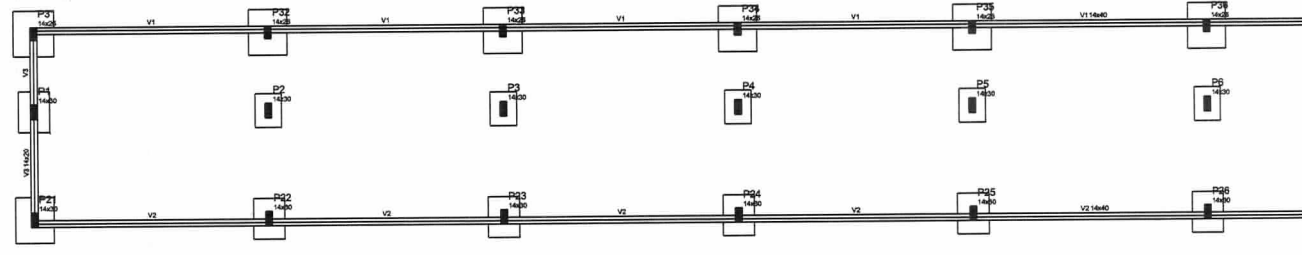
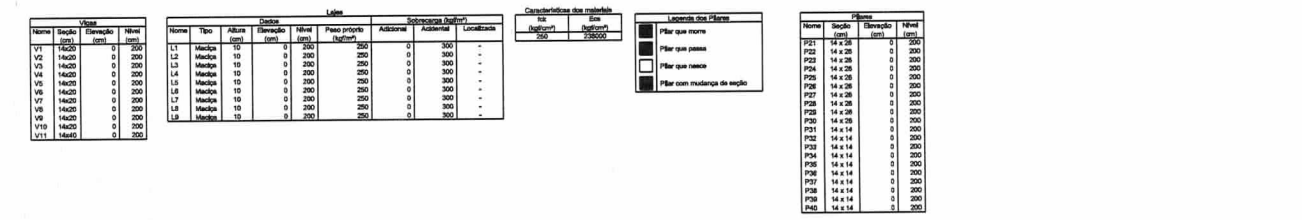
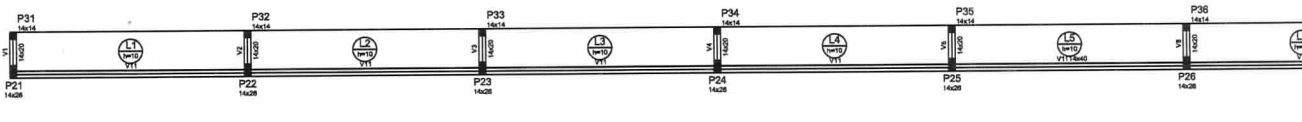
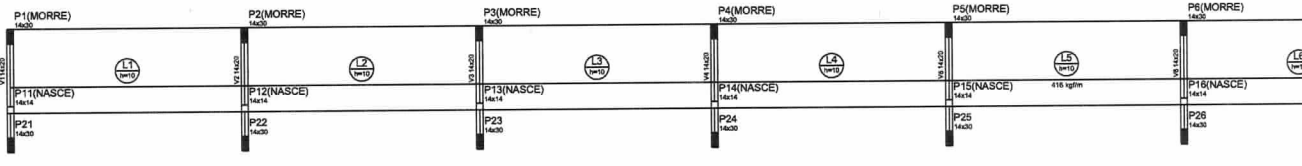
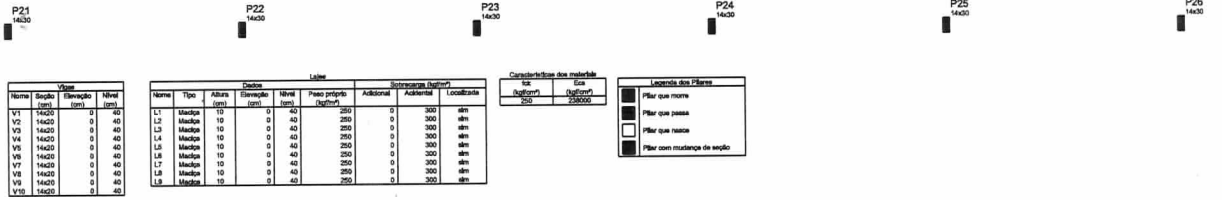
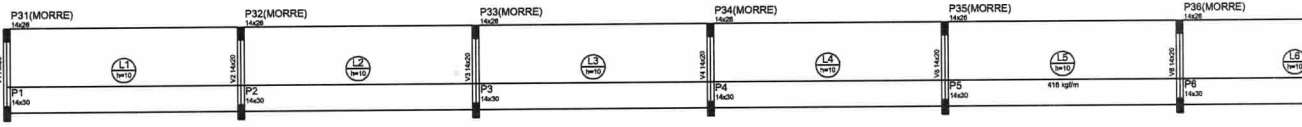


PROJETO DE ARQUITETURA

PROJETO	ESTÁDIO MUNICIPAL DE SÃO LUÍS CURU	RESPONSÁVEL	CLAUDIA VILLAS BOAS	DATA	21/09/18	ESCALA	INDIC.
CLIENTE	GOVERNO MUNICIPAL DE SÃO LUÍS DO CURU - CE	DESENHO	SAM LIMA	<h1>05-05</h1>			
ENDEREÇO	RUA DO CAMPO	DETALHE CONSTRUTIVO PORTÕES E ESQUADRIAS					
CONTEÚDO							



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Prefeitura Municipal de
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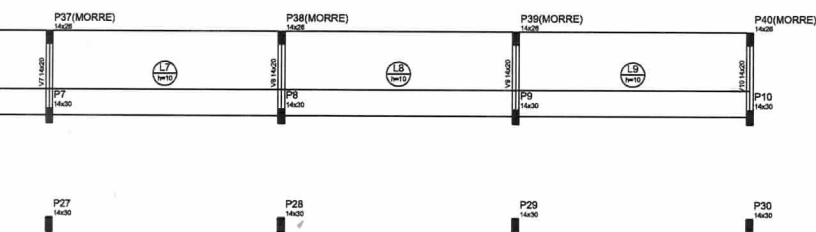


Vazão			
Nome	Seção (m)	Elevação (m)	Nível (m)
V1	14x30	0	0
V2	14x30	0	0
V3	14x30	0	0
V4	14x30	0	0

Características dos materiais		Espessura (mm)	
Is	Es	Is	Es
(kg/cm²)	(kg/cm²)	(kg/cm²)	(kg/cm²)
250	250	23000	23000

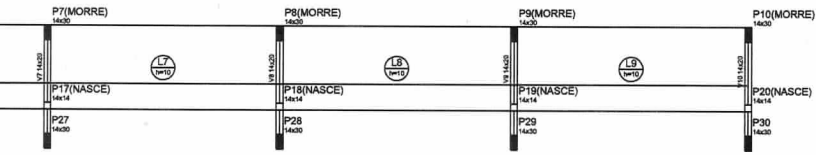
Legenda dos Filmes		
	Filme que morre	
	Filme que passa	
	Filme que nasce	
	Filme com mudança de seção	

Nome	Seção (m)	Elevação (m)	Nível (m)
P1	14 x 30	0	0
P2	14 x 30	0	0
P3	14 x 30	0	0
P4	14 x 30	0	0
P5	14 x 30	0	0
P6	14 x 30	0	0
P7	14 x 30	0	0
P8	14 x 30	0	0
P9	14 x 30	0	0
P10	14 x 30	0	0
P11	14 x 30	0	0
P12	14 x 30	0	0
P13	14 x 30	0	0
P14	14 x 30	0	0
P15	14 x 30	0	0
P16	14 x 30	0	0
P17	14 x 30	0	0
P18	14 x 30	0	0
P19	14 x 30	0	0
P20	14 x 30	0	0
P21	14 x 30	0	0
P22	14 x 30	0	0
P23	14 x 30	0	0
P24	14 x 30	0	0
P25	14 x 30	0	0
P26	14 x 30	0	0
P27	14 x 30	0	0
P28	14 x 30	0	0
P29	14 x 30	0	0
P30	14 x 30	0	0
P31	14 x 30	0	0
P32	14 x 30	0	0
P33	14 x 30	0	0
P34	14 x 30	0	0
P35	14 x 30	0	0
P36	14 x 30	0	0
P37	14 x 30	0	0
P38	14 x 30	0	0
P39	14 x 30	0	0
P40	14 x 30	0	0



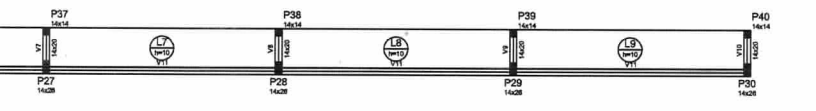
Forma do pavimento DEGRAU 1 escala 1:150

Pavimento			
Nº	Extensão (m²)	Quantidade (unidades)	Valor (R\$)
P1	14 x 30	0	0,00
P2	14 x 30	0	0,00
P3	14 x 30	0	0,00
P4	14 x 30	0	0,00
P5	14 x 30	0	0,00
P6	14 x 30	0	0,00
P7	14 x 30	0	0,00
P8	14 x 30	0	0,00
P9	14 x 30	0	0,00
P10	14 x 30	0	0,00
P11	14 x 30	0	0,00
P12	14 x 30	0	0,00
P13	14 x 30	0	0,00
P14	14 x 30	0	0,00
P15	14 x 30	0	0,00
P16	14 x 30	0	0,00
P17	14 x 30	0	0,00
P18	14 x 30	0	0,00
P19	14 x 30	0	0,00
P20	14 x 30	0	0,00
P21	14 x 30	0	0,00
P22	14 x 30	0	0,00
P23	14 x 30	0	0,00
P24	14 x 30	0	0,00
P25	14 x 30	0	0,00
P26	14 x 30	0	0,00
P27	14 x 30	0	0,00
P28	14 x 30	0	0,00
P29	14 x 30	0	0,00
P30	14 x 30	0	0,00
P31	14 x 30	0	0,00
P32	14 x 28	0	0,00
P33	14 x 28	0	0,00
P34	14 x 28	0	0,00
P35	14 x 28	0	0,00
P36	14 x 28	0	0,00
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P39	14 x 28	0	0,00
P40	14 x 28	0	0,00

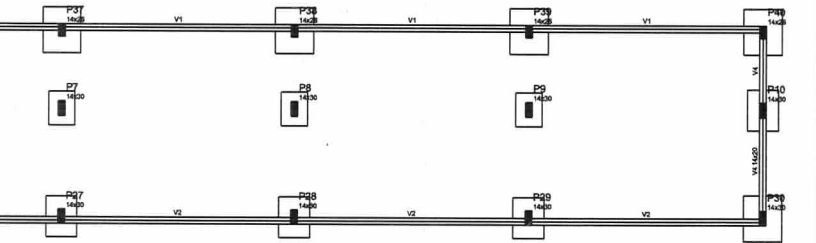


Forma do pavimento DEGRAU 3 escala 1:150

Pavimento			
Nº	Extensão (m²)	Quantidade (unidades)	Valor (R\$)
P1	14 x 30	0	0,00
P2	14 x 30	0	0,00
P3	14 x 30	0	0,00
P4	14 x 30	0	0,00
P5	14 x 30	0	0,00
P6	14 x 30	0	0,00
P7	14 x 30	0	0,00
P8	14 x 30	0	0,00
P9	14 x 30	0	0,00
P10	14 x 30	0	0,00
P11	14 x 14	0	0,00
P12	14 x 14	0	0,00
P13	14 x 14	0	0,00
P14	14 x 14	0	0,00
P15	14 x 14	0	0,00
P16	14 x 14	0	0,00
P17	14 x 14	0	0,00
P18	14 x 14	0	0,00
P19	14 x 14	0	0,00
P20	14 x 14	0	0,00
P21	14 x 30	0	0,00
P22	14 x 30	0	0,00
P23	14 x 30	0	0,00
P24	14 x 30	0	0,00
P25	14 x 30	0	0,00
P26	14 x 30	0	0,00
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P28	14 x 30	0	0,00
P29	14 x 30	0	0,00
P30	14 x 30	0	0,00

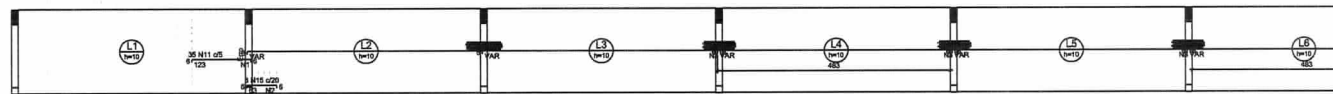
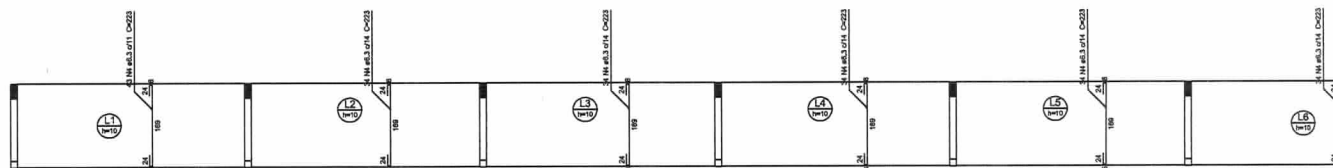
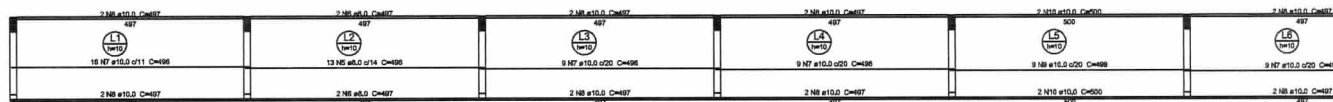
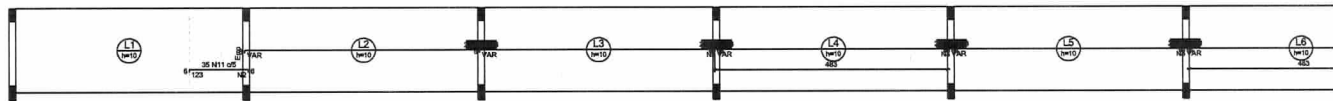
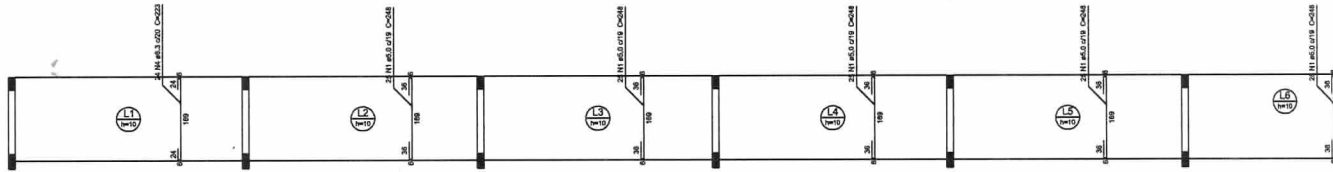
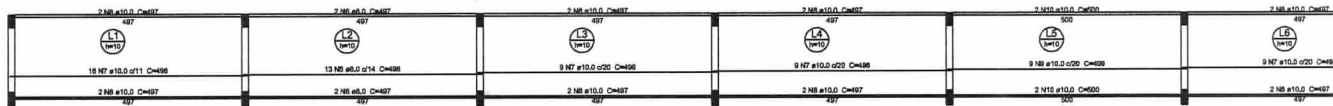


Forma do pavimento DEGRAU 5 escala 1:150

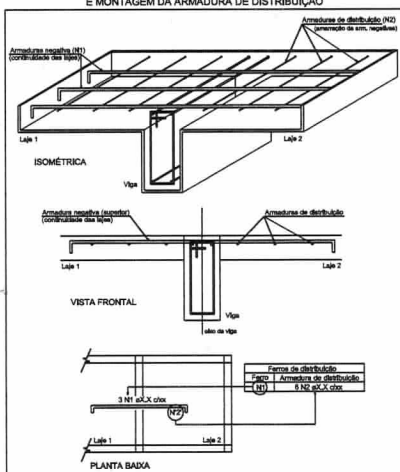


Forma do pavimento TERREO escala 1:150

L.S.S. PROJETO		L.S.S. CONSTRUÇÃO	
CAU	APROVO		
PROPRIETÁRIO	GOVERNO MUNICIPAL DE SÃO LUÍS DO CURU - CE		
PROJETO	CLAUDIA VILLAS BOAS		
PROJETO			
CALCULO			
CONSTRUÇÃO			
00		EMISSÃO INICIAL	20/09/2018
REVISÃO		ASSUNTO	RESPONSÁVEL
		Claudia Villas Boas Eng. Civil CREA-CE 14365-D Prefeitura Municipal de São Luís do Curu	
PROJETO	ESTÁDIO MUNICIPAL DE SÃO LUÍS DO CURU	RESPONSÁVEL	CLAUDIA VILLAS BOAS
CONTRATANTE	GOVERNO MUNICIPAL DE SÃO LUÍS DO CURU - CEARÁ	TRESENHA	SAM LIMA
ENGENHEIRO	RUA DO CAMPO	ASSINADO	FORMAS-ARQ.eng
FORMAS			
CONTÉUDO	FORMA TERREO ARQUIBANCADA SETOR A / B	DATA	SET/2018
	FORMA DEGRAU 01 ARQUIBANCADA SETOR A / B	ESCALA	1/150
	FORMA DEGRAU 03 ARQUIBANCADA SETOR A / B		
	FORMA DEGRAU 05 ARQUIBANCADA SETOR A / B		
			01-07



DETALHE DA ARMADURA DE SUPERIOR DE CONTINUIDADE DA LAJE E MONTAGEM DA ARMADURA DE DISTRIBUIÇÃO



Relação do aço

AÇO	N	DIAM (mm)	Positivo X		Positivo Y	
			QUANT (barra)	LNET (cm)	QUANT (barra)	LNET (cm)
CASO	1	5,0	42	173	7268	
	2	5,0	7	43	301	
	3	5,0	590	VAR	VAR	
	4	6,3	324	223	72262	
	5	8,0	26	466	13996	
	6	8,0	8	497	3873	
	7	10,0	58	496	23726	
	8	10,0	24	497	11603	
	9	10,0	9	499	4491	
	10	10,0	4	500	2000	
	11	10,0	70	130	9150	
	12	10,0	3	80	180	
	13	10,0	44	VAR	VAR	
	14	10,0	44	VAR	VAR	
	15	12,5	3	88	327	
	16	12,5	26	VAR	VAR	

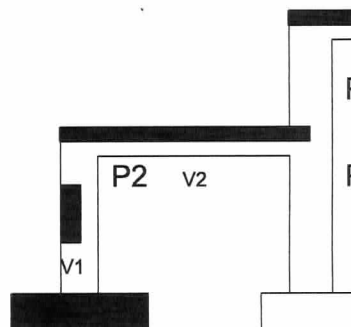
Forma de distribuição	
Forma	Armadura de distribuição
N11	21 N1 #5,0 Ø16 C=173
N15	4 N2 #5,0 Ø16 C=43
N12	3 N2 #5,0 Ø20 C=43
N11	21 N1 #5,0 Ø16 C=173
N16	98 N2 #5,0 Ø10 C=VAR
N13	98 N2 #5,0 Ø10 C=VAR
N14	98 N2 #5,0 Ø10 C=VAR
N14	98 N2 #5,0 Ø10 C=VAR
N13	98 N2 #5,0 Ø10 C=VAR
N16	98 N2 #5,0 Ø10 C=VAR

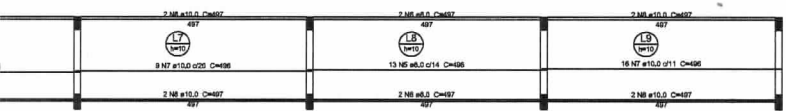
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO = 10% (kg)
CASO	6,3	722,8	194,5
	8,0	168,8	79,2
	10,0	1444,2	1006,6
	12,5	298,5	273,9
CASO	5,0	1103,3	186,9
PESO TOTAL (kg)			
CASO		1548,1	
LEAO		186,9	

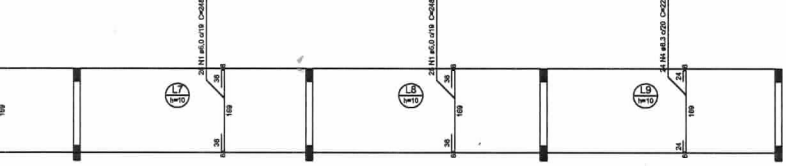
Volume de concreto (C-25) = 7,45 m³

Área de forma = 83,25 m²

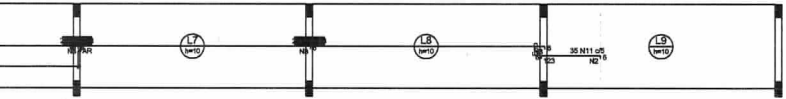




Armação positiva das lajes do pavimento DEGRAU 1 (Eixo X) escala 1:150

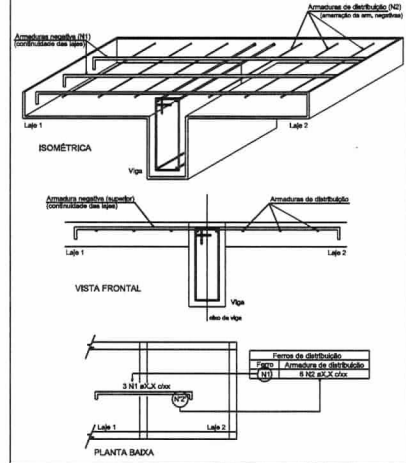


Armação positiva das lajes do pavimento DEGRAU 1 (Eixo Y) escala 1:150



Armação negativa das lajes do pavimento DEGRAU 1 (Eixo X) escala 1:150

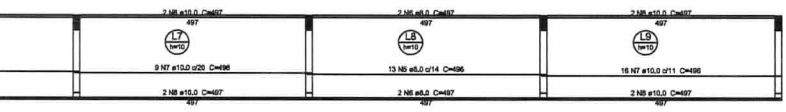
DETALHE DA ARMADURA DE SUPERIOR DE CONTINUIDADE DA LAJE E MONTAGEM DA ARMADURA DE DISTRIBUIÇÃO



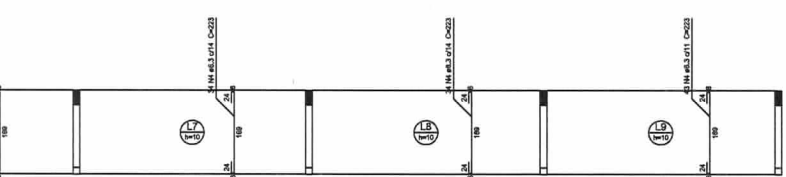
Relação do aço

Negativos X		Positivos X		Positivos Y		Ferra. de distribuição		Resumo do aço			
ACQ	N	DIAM (mm)	QUANT (metros)	UNID	C.TOTAL (mts)	Ferra.	Armadura de distribuição	ACQ	DIAM (mm)	C.TOTAL (mts)	PESO ± 10 % (kg)
CASO	1	8.0	179	248	43400	N11	21 NB #8.0 Ø8 C=473	CASO	8.3	107.1	28.8
	2	8.0	42	173	7359	N12	21 NB #8.0 Ø8 C=473		8.0	188.8	73.2
	3	8.0	590	VAR	VAR	N13	99 NB #8.0 Ø10 C=474	CASO	10.0	1948.7	1598.9
	4	8.0	48	223	10794	N14	99 NB #8.0 Ø10 C=474	CASO	8.0	1532.5	285
	5	8.0	28	486	12065	N15	99 NB #8.0 Ø10 C=474	RESUMO TOTAL (kg)			
	6	8.0	8	497	3978	N16	99 NB #8.0 Ø10 C=474	CASO	1401.8		
	7	10.0	88	486	33728	N17	99 NB #8.0 Ø10 C=474	CASO	285		
	8	10.0	24	497	11928	N18	99 NB #8.0 Ø10 C=474				
	9	10.0	9	499	4891						
	10	10.0	4	500	2000						
	11	10.0	70	130	8190						
	12	10.0	88	VAR	VAR						
	13	10.0	84	VAR	VAR						

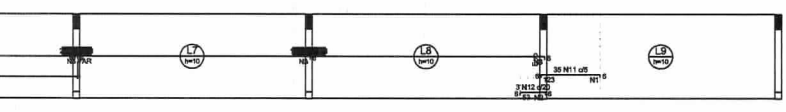
Volume de concreto (C-25) = 7,45 m³
Área de fôrma = 83,20 m²



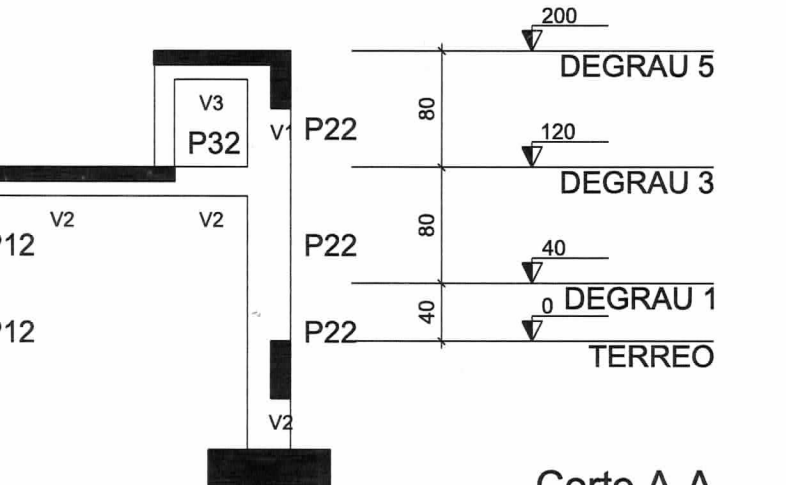
Armação positiva das lajes do pavimento DEGRAU 3 (Eixo X) escala 1:150



Armação positiva das lajes do pavimento DEGRAU 3 (Eixo Y) escala 1:150

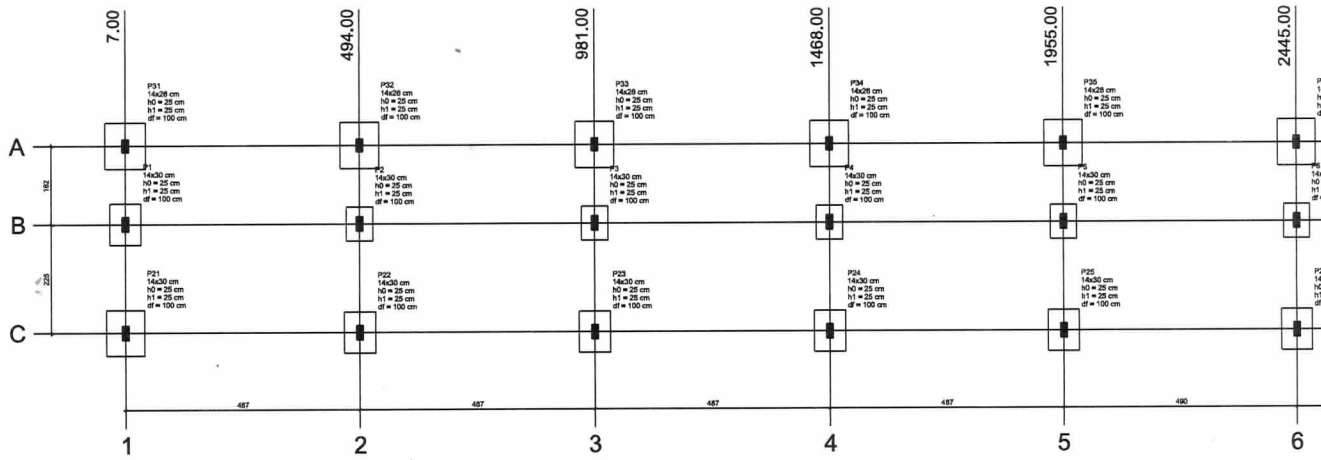


Armação negativa das lajes do pavimento DEGRAU 3 (Eixo X) escala 1:150



Corte A-A
escala 1:150

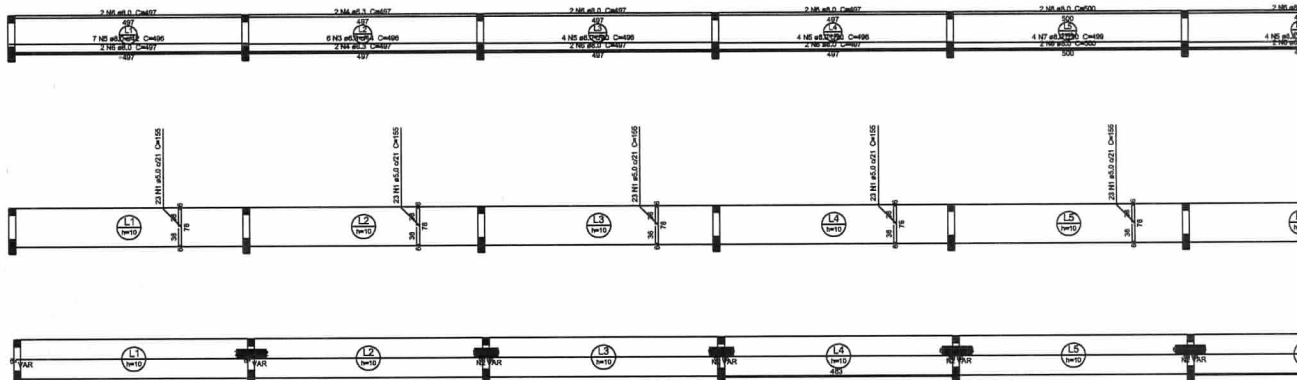
I.S.S. PROJETO		I.S.S. CONSTRUÇÃO	
CAU	APROVOU		
PROPRIETÁRIO	GOVERNO MUNICIPAL DE SÃO LUIS DO CURU - CE		
PROJETO	CLAUDIA VILLAS BOAS		
PROJETO			
CALCULO			
CONSTRUÇÃO			
00	EMISSÃO INICIAL	20/09/2018	CLAUDIA VILLAS BOAS
REVISÃO	ASSUNTO	DATA	RESPONSÁVEL
		Claudia Villas Boas Engª Civil CREA-CE 14365-D Prefeitura Municipal de São Luís do Curu	
PROJETO	ESTÁDIO MUNICIPAL DE SÃO LUÍ DO CURU - CEARÁ	RESPONSÁVEL	CLAUDIA VILLAS BOAS
CONTANTANTE	GOVERNO MUNICIPAL DE SÃO LUIS DO CURU - CEARÁ	DIRETORIA	SAM LIMA
ENFERMO	RUA DO CAMPO	APROVOU	LAJE DEGRAU-ARQ.org
LAJE DEGRAU			
CONTENIDO	LAJE DEGRAU 01 ARQUIBANCADA SETOR A / B LAJE DEGRAU 03 ARQUIBANCADA SETOR A / B CORTE A-A ARQUIBANCADA SETOR A / B	DATA	SET/2018 ESCALA 1/150
			02-07



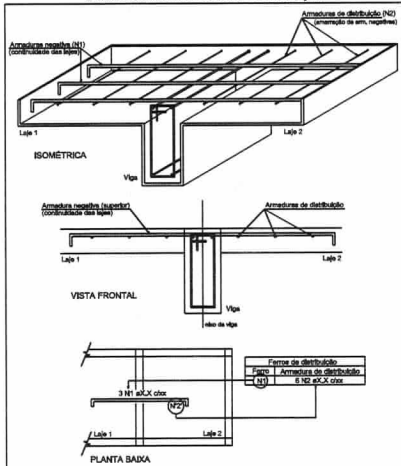
Pilar										Fundação			
Nome	Seção (cm)	X (cm)	Y (cm)	Carga Min. (t)	Carga Máx. (t)	Mx (kgf.m)	My (kgf.m)	Fx (t)	Fy (t)	Lado N (cm)	Lado S (cm)	Nº / h (cm)	df (cm)
P1	14x30	7.00	240.00	3.7	2.2	500	100	0.1	0.3	65	95	25	100
P2	14x30	494.00	240.00	3.5	3.5	300	100	0.1	0.4	55	70	25	100
P3	14x30	981.00	240.00	8.3	5.2	300	100	0.1	0.4	55	70	25	100
P4	14x30	1468.00	240.00	8.5	5.3	300	100	0.1	0.4	55	70	25	100
P5	14x30	1955.00	240.00	8.5	5.3	300	100	0.1	0.4	55	70	25	100
P6	14x30	2445.00	240.00	8.5	5.3	300	100	0.1	0.4	55	70	25	100
P7	14x30	2932.00	240.00	8.5	5.3	300	100	0.1	0.4	55	70	25	100
P8	14x30	3419.00	240.00	8.3	5.2	300	100	0.1	0.4	55	70	25	100
P9	14x30	3906.00	240.00	3.5	5.3	300	100	0.1	0.4	55	70	25	100
P10	14x30	4393.00	240.00	3.7	2.2	500	100	0.1	0.3	65	95	25	100
P11	14x30	7.00	15.00	2.5	1.3	500	100	0.2	0.8	80	95	25	100
P12	14x30	494.00	15.00	8.7	4.3	900	100	0.1	1.1	65	85	25	100
P13	14x30	981.00	15.00	5.9	3.8	900	100	0.1	1.1	65	85	25	100
P14	14x30	1468.00	15.00	6.0	3.9	900	100	0.1	1.1	65	85	25	100
P15	14x30	1955.00	15.00	6.0	3.9	900	100	0.1	1.1	65	85	25	100
P16	14x30	2445.00	15.00	6.0	3.9	900	100	0.1	1.1	65	85	25	100
P17	14x30	2932.00	15.00	6.0	3.9	900	100	0.1	1.1	65	85	25	100
P18	14x30	3419.00	15.00	5.9	3.8	900	100	0.1	1.1	65	85	25	100
P19	14x30	3906.00	15.00	6.7	4.3	900	100	0.1	1.1	65	85	25	100
P20	14x30	4393.00	15.00	2.5	1.3	500	100	0.2	0.8	80	95	25	100
P21	14x28	7.00	402.00	2.4	1.1	600	100	0.2	0.7	80	95	25	100
P22	14x28	494.00	402.00	4.8	2.8	600	100	0.1	1.2	80	95	25	100
P23	14x28	981.00	402.00	4.4	2.8	600	100	0.1	1.2	80	95	25	100
P24	14x28	1468.00	402.00	4.4	2.8	600	100	0.1	1.2	80	95	25	100
P25	14x28	1955.00	402.00	4.4	2.8	600	100	0.1	1.2	80	95	25	100
P26	14x28	2445.00	402.00	4.4	2.8	600	100	0.1	1.2	80	95	25	100
P27	14x28	2932.00	402.00	4.4	2.8	600	100	0.1	1.2	80	95	25	100
P28	14x28	3419.00	402.00	4.4	2.8	600	100	0.1	1.2	80	95	25	100
P29	14x28	3906.00	402.00	4.8	2.8	600	100	0.1	1.2	80	95	25	100
P30	14x28	4393.00	402.00	2.4	1.1	600	100	0.2	0.7	80	95	25	100

Coordenada (cm)	Nome
7.00	P11, P1, P21
494.00	P12, P2, P22
981.00	P13, P3, P23
1468.00	P14, P4, P24
1955.00	P15, P5, P25
2445.00	P16, P6, P26
2932.00	P17, P7, P27
3419.00	P18, P8, P28
3906.00	P19, P9, P29
4393.00	P40, P10, P30

Coordenada (cm)	Nome
402.00	P21, P22, P23, P24, P25, P26, P27, P28, P29, P40
240.00	P1, P2, P3, P4, P5, P6, P7, P8, P9, P10
15.00	P21, P22, P23, P24, P25, P26, P27, P28, P29, P30



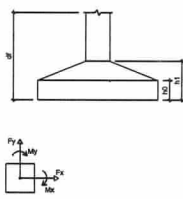
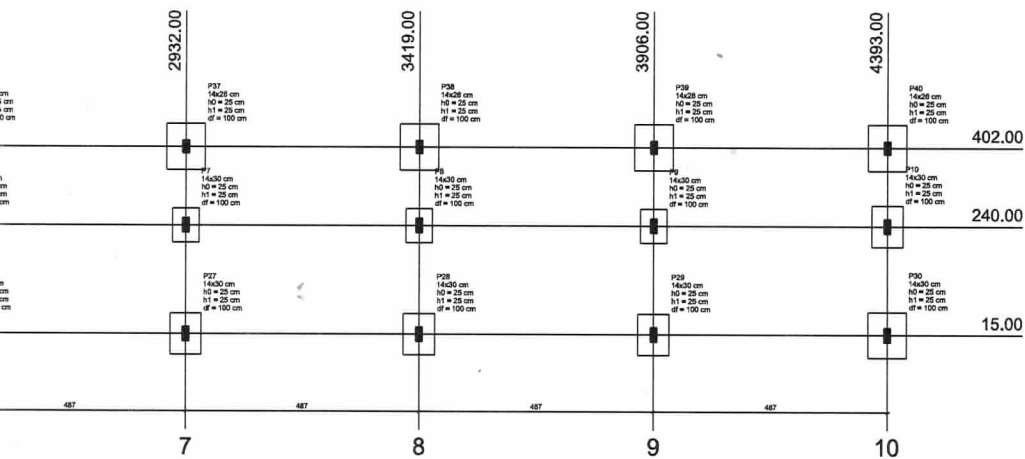
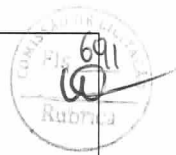
DETALHE DA ARMADURA DE SUPERIOR DE CONTINUIDADE DA LAJE E MONTAGEM DA ARMADURA DE DISTRIBUIÇÃO



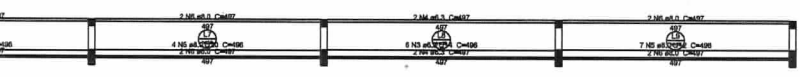
Relação do aço

Posições X					Posições Y				
AGD	N	DIAM	QUANT	UNET	C.TOTAL	AGD	DIAM	C.TOTAL	PEISO = 10 %
CABO	1	5.0	207	155	32030				25.7
	2	5.0	596	VAR	VAR				288.1
	3	6.3	12	496	5952				88.6
	4	6.3	6	497	3876				146.3
	5	8.0	30	486	14680	CABO	5.0	778.4	132.1
	6	8.0	34	497	11028				
	7	8.0	4	496	1996				
	8	8.0	4	500	2000				
	9	8.0	36	VAR	VAR				
	10	10.0	12	VAR	VAR				
	11	12.0	14	VAR	VAR				

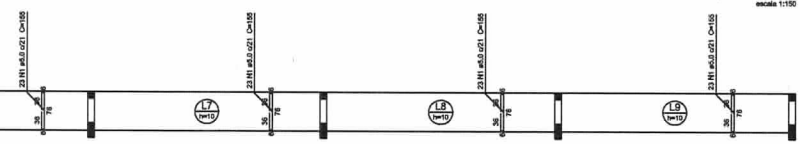
Volume de concreto (C-25) = 3.47 m³
Área de forma = 43.45 m²



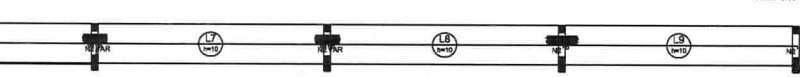
Planta de localização
escala 1:150



Armação positiva das lajes do pavimento DEGRAU 5 (Eixo X)
escala 1:150



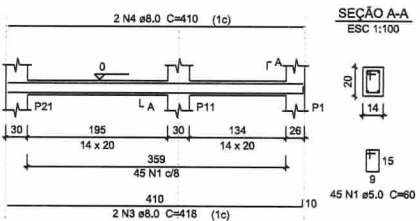
Armação positiva das lajes do pavimento DEGRAU 5 (Eixo Y)
escala 1:150



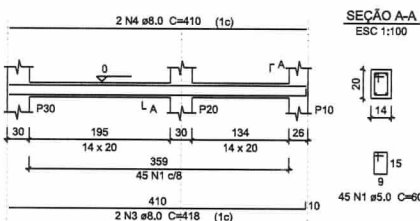
Armação negativa das lajes do pavimento DEGRAU 5 (Eixo X)
escala 1:150

L.S. PROJETO		L.S. CONSTRUÇÃO		
DAU	APROVO			
PROPRIETÁRIO: GOVERNO MUNICIPAL DE SÃO LUÍS DO CURU - CE				
PROJETO: CLAUDIA VILLAS BOAS				
PROJETO:				
CALCULO:				
CONSTRUÇÃO:				
00		EMISSÃO INICIAL	20/09/2018	CLAUDIA VILLAS BOAS
REVISÃO	ASSUNTO	DATA	RESPONSÁVEL	
		Claudia Villas Boas Eng. Civil CREA-CE 14365-D Prefeitura Municipal de São Luís do Curu		
PROJETO	ESTÁDIO MUNICIPAL DE SÃO LUÍ DO CURU - CEARÁ	RESPONSÁVEL	CLAUDIA VILLAS BOAS	
CONTRATANTE	GOVERNO MUNICIPAL DE SÃO LUÍS DO CURU - CEARÁ	DESENHISTA	SAM LIMA	
EMPREGO	RUA DO CAMPO	APROVADO	LAJE DEGRAU-ARG.org	
LAJE DEGRAU				
CONTÉUDO	PLANTA DE LOCAÇÃO ARQUIBANCADA SETOR A / B	DATA	SET/2018	ESCALA 1/150
	FORMA DEGRAU 05 ARQUIBANCADA SETOR A / B			
				03-07

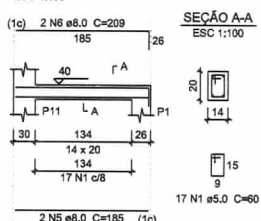
V3
ESC 1:100



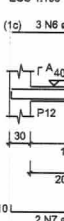
V4
ESC 1:100



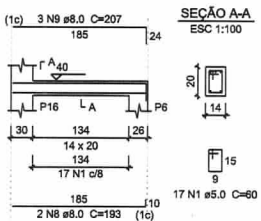
V1
ESC 1:100



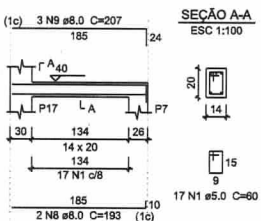
V2
ESC 1:100



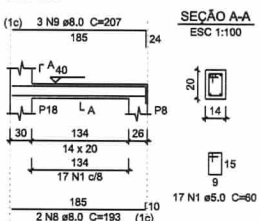
V6
ESC 1:100



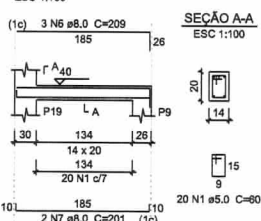
V7
ESC 1:100



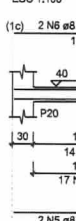
V8
ESC 1:100



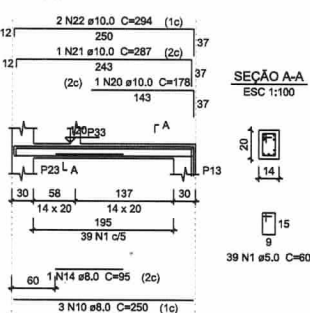
V9
ESC 1:100



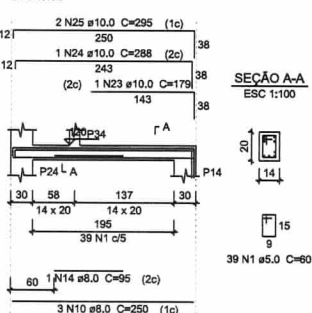
V10
ESC 1:100



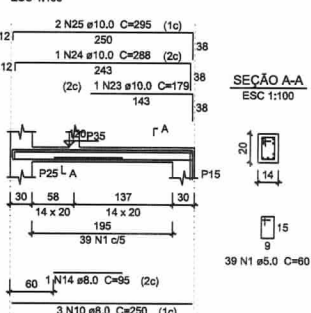
V3
ESC 1:100



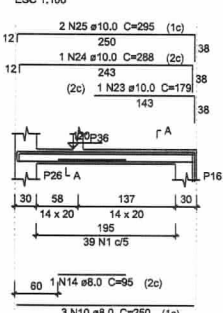
V4
ESC 1:100



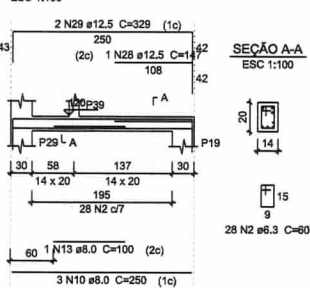
V5
ESC 1:100



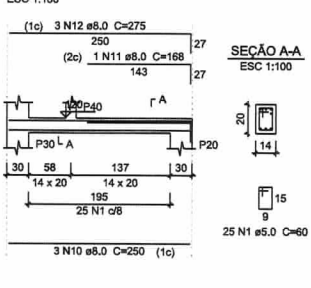
V6
ESC 1:100



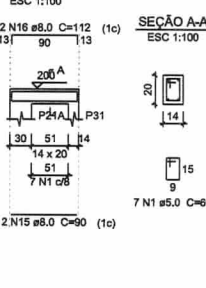
V9
ESC 1:100



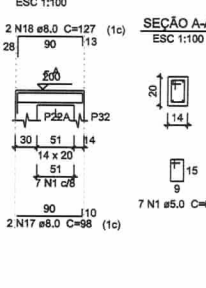
V10
ESC 1:100



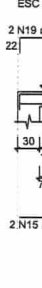
V2
ESC 1:100



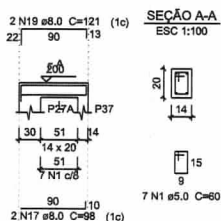
V3
ESC 1:100



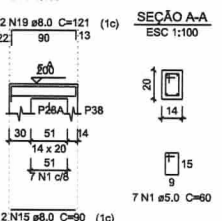
V4
ESC 1:100



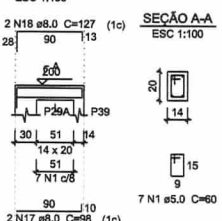
V8
ESC 1:100



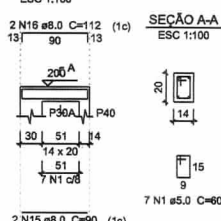
V9
ESC 1:100

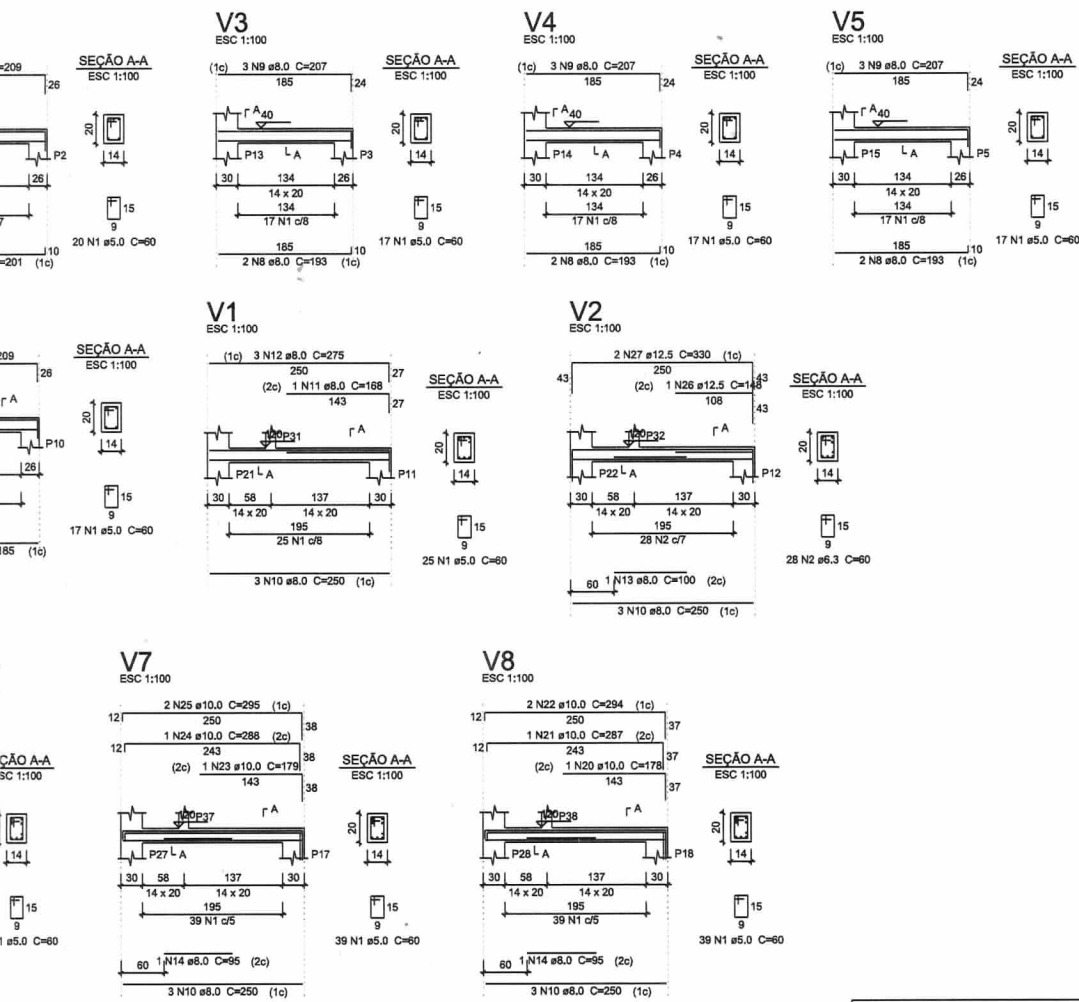


V10
ESC 1:100



V11
ESC 1:100





Relação do aço

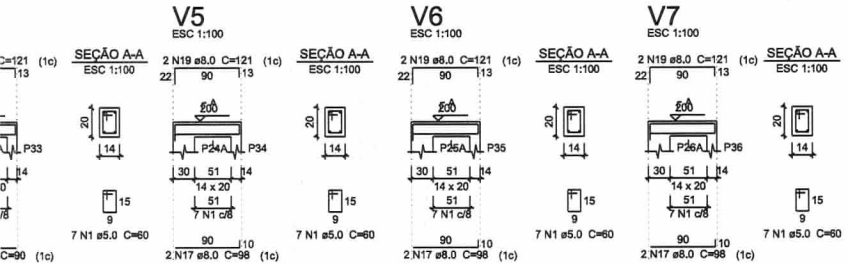
DEGRAU 1:	V1	V2
	V3	V4
	V5	V6
DEGRAU 3:	V7	V8
	V9	V10
DEGRAU 5:	V1	V2
	V3	V4
	V5	V6
	V7	V8
	V9	V10
TERREO:	V1	V2
	V3	V4

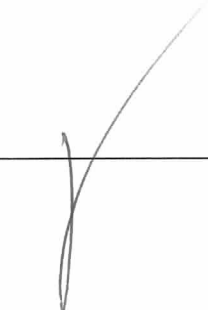

LAÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA80	1	5.0	820	60	37200
CA50	2	6.3	56	60	3360
	3	8.0	4	418	1672
	4	8.0	4	410	1640
	5	8.0	4	185	740
	6	8.0	10	209	2090
	7	8.0	4	201	804
	8	8.0	12	193	2316
	9	8.0	18	207	3726
	10	8.0	30	250	7500
	11	8.0	2	188	336
	12	8.0	6	275	1650
	13	8.0	2	100	200
	14	8.0	6	95	570
	15	8.0	8	90	720
	16	8.0	4	112	448
	17	8.0	12	98	1176
	18	8.0	4	127	508
	19	8.0	12	121	1452
	20	10.0	2	178	356
	21	10.0	2	287	574
	22	10.0	4	294	1176
	23	10.0	4	179	716
	24	10.0	4	288	1152
	25	10.0	8	295	2360
	26	12.5	1	148	148
	27	12.5	2	330	660
	28	12.5	1	147	147
	29	12.5	2	329	658

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	33.8	9
	8.0	275.5	119.6
	10.0	63.4	43
	12.5	16.2	17.1
CA80	5.0	372	63.1
PESO TOTAL (kg)			
CA50		188.7	
CA80		63.1	

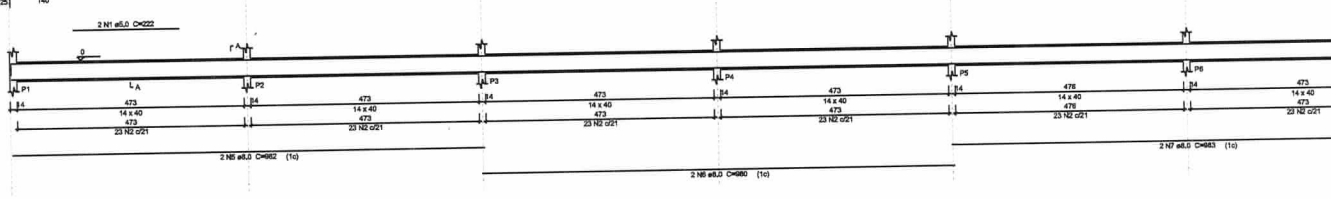
Volume de concreto (C-25) = 1,74 m³
Área de forma = 33,64 m²



L.S.S. PROJETO		L.S.S. CONSTRUÇÃO	
CAU		APROVO	
PROPRIETÁRIO GOVERNO MUNICIPAL DE SÃO LUÍS DO CURU - CE			
PROJETO CLAUDIA VILLAS BOAS			
PROJETO			
CALCULO			
CONSTRUÇÃO			
00	EMISSÃO INICIAL	20/09/2018	CLAUDIA VILLAS BOAS
REVISÃO	ASSUNTO	RESPONSÁVEL	
		Claudia Villas Boas Eng. Civil - CREA-CE 14365-D Prefeitura Municipal de São Luís do Curu	
		PROJETO: ESTÁDIO MUNICIPAL DE SÃO LUÍS DO CURU RESPONSÁVEL: CLAUDIA VILLAS BOAS CONTRATANTE: GOVERNO MUNICIPAL DE SÃO LUÍS DO CURU - CEARÁ DESENHO: SAM LIMA ENDEREÇO: RUA DO CAMPO ARQUIVO: VIGAS 01-ARQ.dwg	
QUANTIDADE: VIGAS ARQUIBANCADA SETOR A / B		DATA: SET/2018 ESCALA: 1/100	
		04-07	

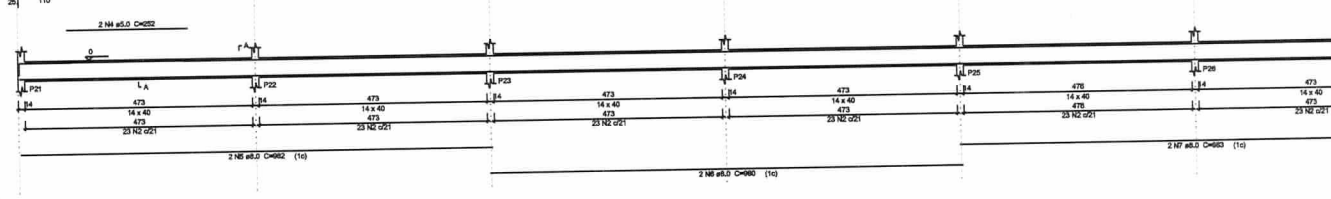
V1

ESC 1:150



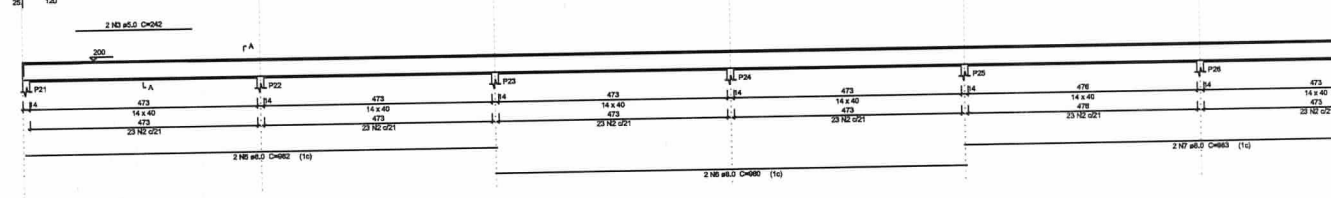
V2

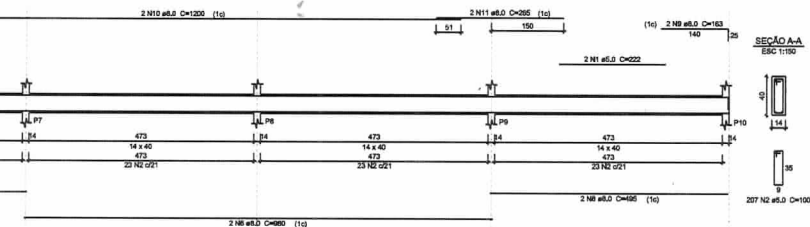
ESC 1:150



V1

ESC 1:150



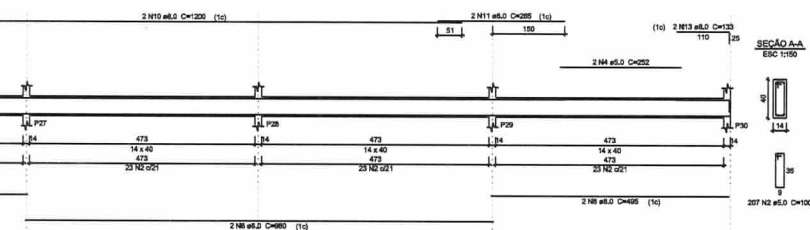


Relação do aço

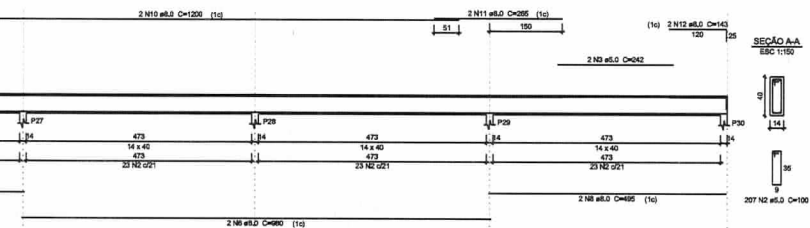
DEGRAU / TERREÇO	V1	V2	ACQ	N	DIAM (mm)	QUANT (Barra)	UNID (m)	C.TOTAL (m)	PESO (kg)
CASO	1	2	2	5.0	821	100	82100	82100	648
			3	5.0	4	242	968		
			4	8.0	4	322	1008		
			5	8.0	5	360	1050		
			6	8.0	12	960	11760		
			7	8.0	5	360	1050		
			8	8.0	5	360	1050		
			9	8.0	4	322	1008		
			10	8.0	18	1200	21600		
			11	8.0	5	360	1050		
			12	8.0	4	322	1008		
			13	8.0	4	322	1008		

ACQ	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CASO	8.0	314.7	223.4
CASO	8.0	649.7	110.1
PESO TOTAL (kg)			
CASO			223.4
CASO			110.1

Volume de concreto (C-20) = 7.39 m³
Área de forma = 124.08 m²




SEÇÃO A-A
EBC 1:100



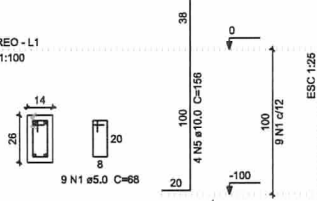
SEÇÃO A-A
EBC 1:100

I.S.S. PROJETO		I.S.S. CONSTRUÇÃO	
CAU	APROVADO		
PROPRIETÁRIO	GOVERNO MUNICIPAL DE SÃO LUIS DO CURU - CE		
PROJETO	CLAUDIA VILLAS BOAS		
PROJETO			
CALCULO			
CONSTRUÇÃO	PAGO		

00	EMISSÃO INICIAL	20/09/2016	CLAUDIA VILLAS BOAS
REVISÃO	ASSUNTO	DATA	RESPONSÁVEL
 Claudia Villas Boas Eng.º Civil CREA-CE 14366 Prefeitura Municipal de São Luís do Curu			
PROJETO	ESTÁDIO MUNICIPAL DE SÃO LUIS DO CURU	RESPONSÁVEL	CLAUDIA VILLAS BOAS
CONTRATANTE	GOVERNO MUNICIPAL DE SÃO LUIS DO CURU - CEARÁ	DESENHO	SAM LIMA
ENGENHEIRO	RUA DO CAMPO	ARGUMENTO	VIGAS02-ARG.dwg
VIGA			
CONTENIDO	VIGAS	DATA	SET/2016 ESCALA 1/150
			05-07

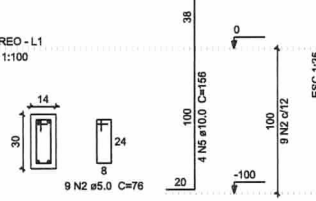
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TERREO - L1
ESC 1:100



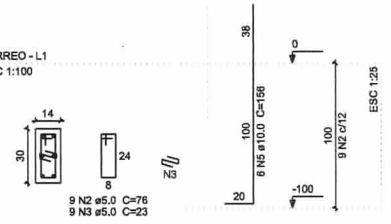
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TERREO - L1
ESC 1:100



P12=P13=P14=P15=P16=P17=P18=P19=P23=P24
=P25=P26=P27=P28

TERREO - L1
ESC 1:100



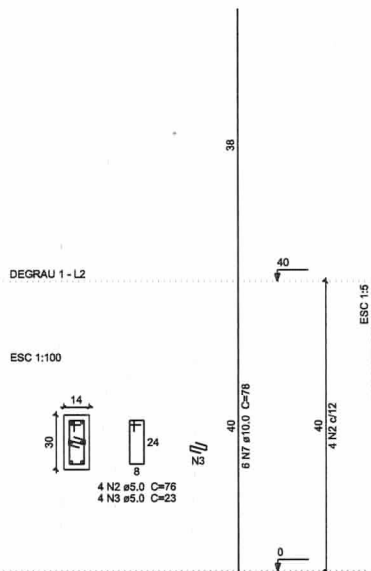
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TERREO - L1
ESC 1:100



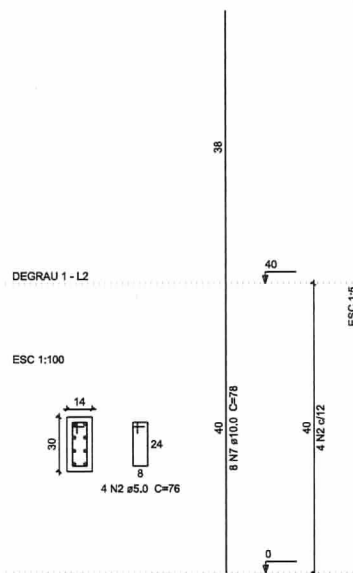
P12=P13=P14=P15=P16=P17=P18=P19=P23=P24
=P25=P26=P27=P28

DEGRAU 1 - L2
ESC 1:100



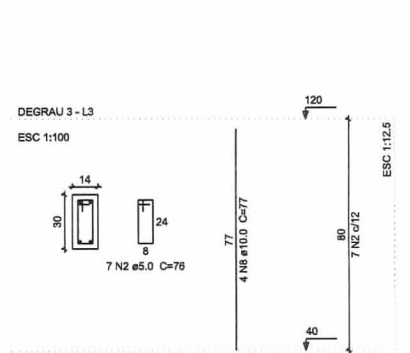
P21=P30

DEGRAU 1 - L2
ESC 1:100



P11=P20

DEGRAU 3 - L3
ESC 1:100



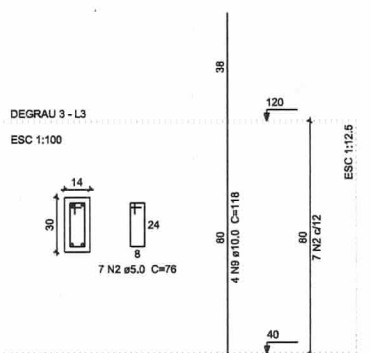
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DEGRAU 3 - L3
ESC 1:100



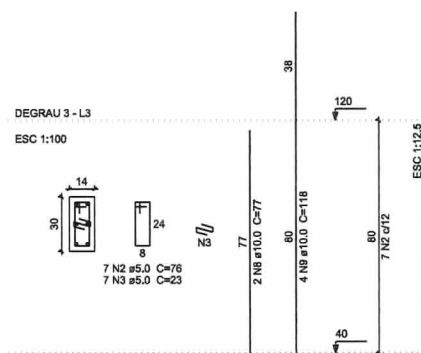
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DEGRAU 3 - L3
ESC 1:100



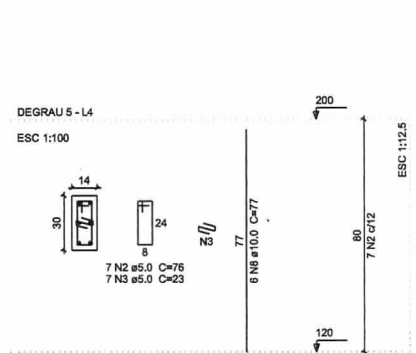
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DEGRAU 3 - L3
ESC 1:100



P21=P30

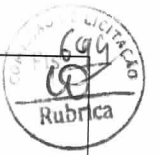
DEGRAU 5 - L4
ESC 1:100



P2

DEGRAU 5 - L4
ESC 1:100





P1=P2=P3=P4=P5=P6=P7=P8=P9=P10

P11=P20=P22=P29

Relação do aço

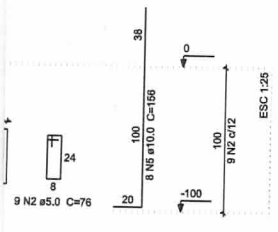
DEGRAU 1:	10xP1	4xP11
	14xP12	2xP21
DEGRAU 3:	2xP11	8xP12
	2xP21	2xP22
	8xP23	
DEGRAU 5:	2xP21	8xP22
	10xP31	
TERREO:	10xP1	4xP11
	14xP12	2xP21

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	130	88	8640
	2	5.0	470	76	35720
	3	5.0	294	23	6762
CA50	4	5.0	70	44	3080
	5	10.0	156	156	24336
	6	10.0	40	37	1480
	7	10.0	116	78	9048
	8	10.0	156	77	12012
	9	10.0	44	118	5192

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	520.7	353.1
CA60	5.0	544.1	92.2
PESO TOTAL (kg)			
CA50		353.1	
CA60		92.2	

Volume de concreto (C-25) = 2,85 m³
Área de forma = 81,44 m²

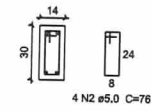
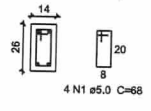


DEGRAU 1 - L2

DEGRAU 1 - L2

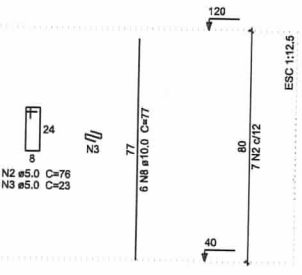
ESC 1:100

ESC 1:100



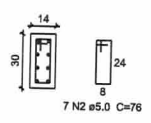
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P21=P30



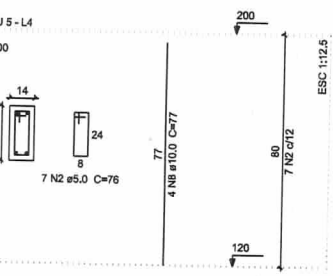
DEGRAU 3 - L3

ESC 1:100



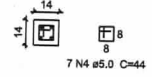
P23=P24=P25=P26=P27=P28=P29

P31=P32=P33=P34=P35=P36=P37=P38=P39=P40



DEGRAU 5 - L4

ESC 1:100

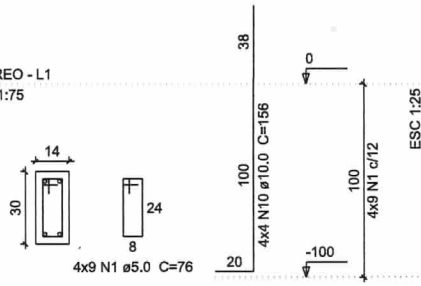


ISS PROJETO	ISS CONSTRUÇÃO
CAU	APROVO
PROPRIETÁRIO	GOVERNO MUNICIPAL DE SÃO LUÍS DO CURU - CE
PROJETO	CLAUDIA VILLAS BOAS
PROJETO	
CALCULO	
CONSTRUÇÃO	
PAGE	

00	EMISSÃO INICIAL	20/09/2018	CLAUDIA VILLAS BOAS
REVISÃO	ASSUNTO	DATA	RESPONSÁVEL
Claudia Villas Boas Engª Civil CREA-CE 14365-1 Prefeitura Municipal de São Luís do Curu			
PROJETO	ESTÁDIO MUNICIPAL DE SÃO LUÍS DO CURU	RESPONSÁVEL	CLAUDIA VILLAS BOAS
CONTRATANTE	GOVERNO MUNICIPAL DE SÃO LUÍS DO CURU - CEARÁ	DESENHO	SAM LIMA
INDICADO	RUA DO CAMPO	ARQUIVO	PLAR-ARG.dwg
PILAR			
CONTEUDO	PLANTA DE PILAR ARQUIBANCADA SETOR A / B	DATA	SET/2018
		ESCALA	1/100
06-07			

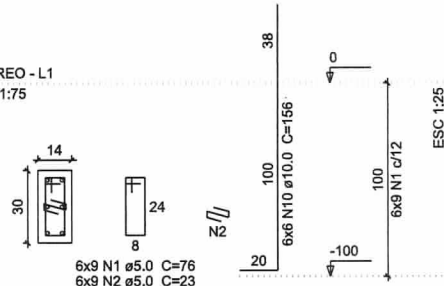
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TERREO - L1
ESC 1:75

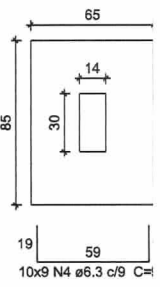


P23=P24=P25=P26=P27=P28

TERREO - L1
ESC 1:75



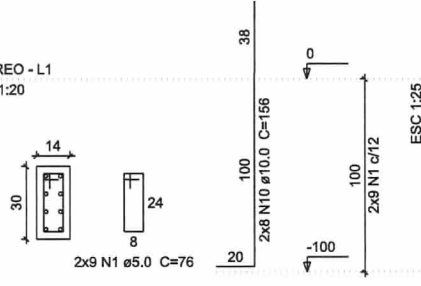
S1=S10=S22
PLANTA
ESC 1:75



Solo com capacidade de s
Solo compactado sobre a
peso específico > 1300.00

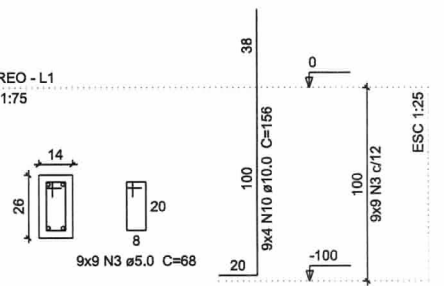
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TERREO - L1
ESC 1:20

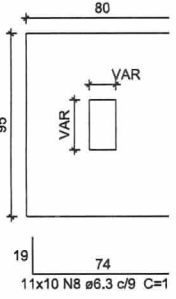


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TERREO - L1
ESC 1:75



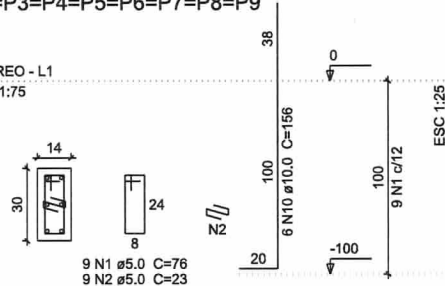
S21=S30=S32=
=S40
PLANTA
ESC 1:75



Solo com capacidade de su
Solo compactado sobre a sap
peso específico > 1300.00 kg

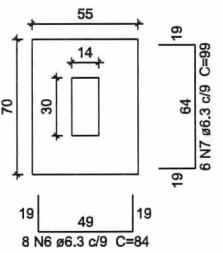
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TERREO - L1
ESC 1:75

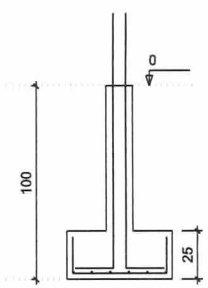


S2=S3=S4=S5=S6=S7=S8=S9

PLANTA
ESC 1:75



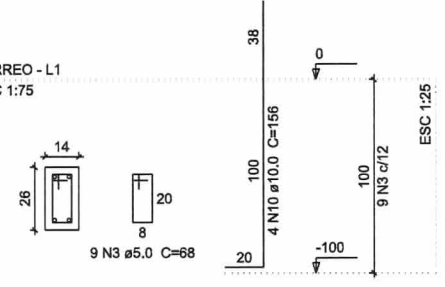
CORTE
ESC 1:75



Solo com capacidade de suporte > 5.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1300.00 kgf/m³

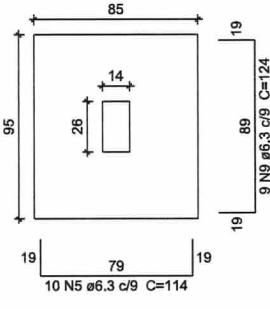
P31

TERREO - L1
ESC 1:75

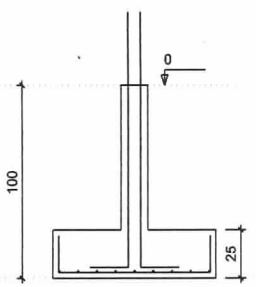


S31

PLANTA
ESC 1:75



CORTE
ESC 1:75

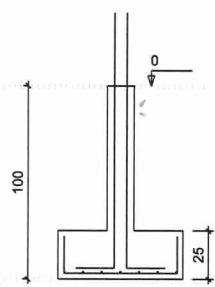


Solo com capacidade de suporte > 5.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1300.00 kgf/m³

S3=S24=S25=S26=S27=S28=S29

CORTE
 ESC 1:75

19
 79
 10x7 N5 ø6.3 c/9 C=114

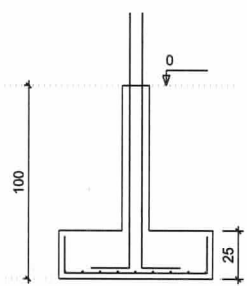


> 5.00 kgf/cm²

S34=S35=S36=S37=S38=S39

CORTE
 ESC 1:75

19
 89
 11x9 N8 ø6.3 c/9 C=124



5.00 kgf/cm²

Relação do aço

S1 8xS2 S31
 S32

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	180	76	13680
	2	5.0	126	23	2898
	3	5.0	90	68	6120
CA50	4	6.3	90	94	8460
	5	6.3	80	114	9120
	6	6.3	64	84	5376
	7	6.3	48	99	4752
	8	6.3	110	109	11990
	9	6.3	108	124	13392
	10	10.0	156	156	24336

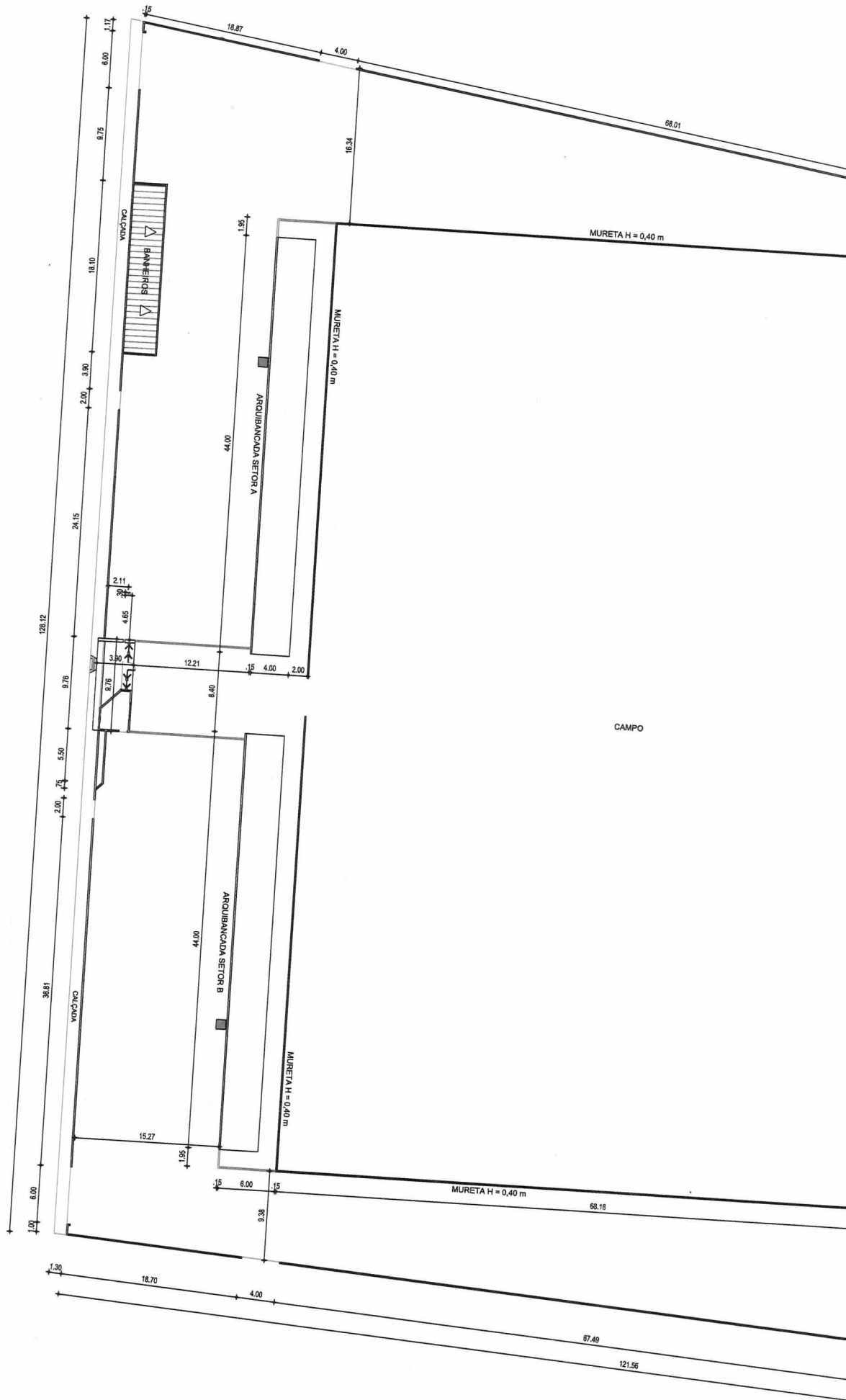
Resumo do aço

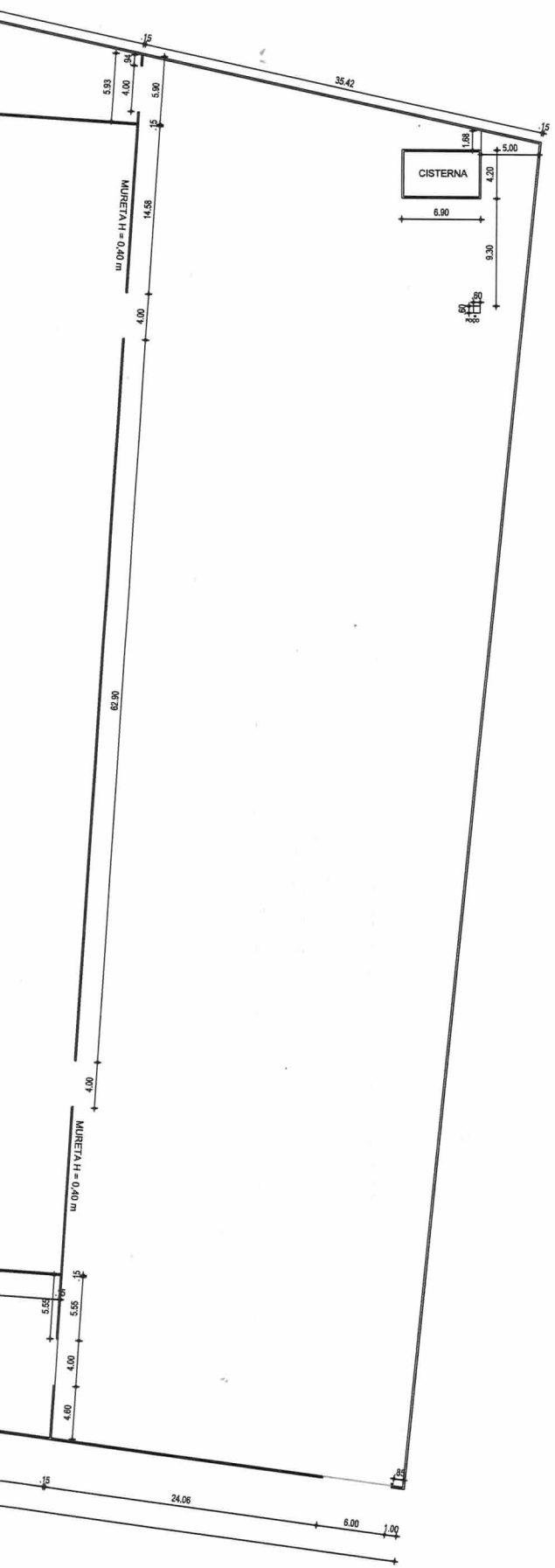
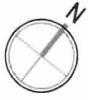
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	530.9	142.9
CA50	10.0	243.4	165
CA60	5.0	227	38.5

PESO TOTAL (kg)	
CA50	307.9
CA60	38.5


Volume de concreto (C-25) = 5.65 m³
 Área de forma = 48.63 m²

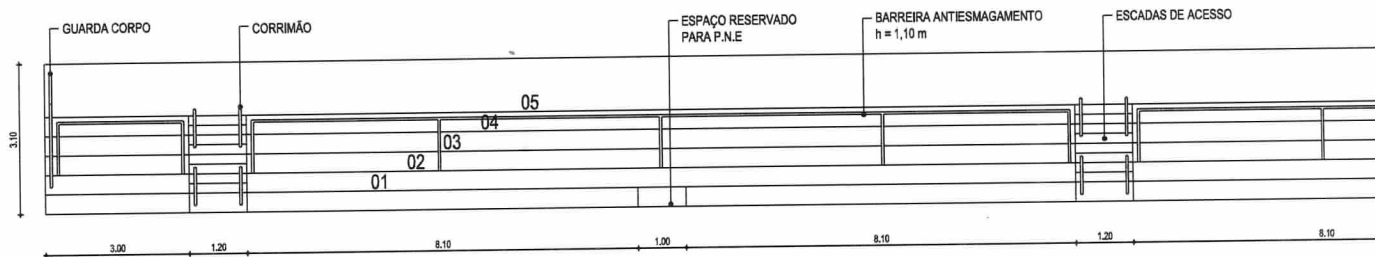
I.S.S. PROJETO	I.S.S. CONSTRUÇÃO
CAU	APROVO
PROPRIETÁRIO GOVERNO MUNICIPAL DE SÃO LUIS DO CURU - CE PROJETO CLAUDIA VILLAS BOAS PROJETO CALCULO CONSTRUÇÃO	
	Claudia Villas Boas Engª Civil CREA-CE 14369-F Prefeitura Municipal de São Luís do Curu
PROJETO ESTÁDIO MUNICIPAL DE SÃO LUIS DO CURU CONTRATANTE GOVERNO MUNICIPAL DE SÃO LUIS DO CURU - CEARÁ ENDEREÇO RUA DO CAMPO	RESPONSÁVEL CLAUDIA VILLAS BOAS DESSEMINO SAM LIMA ARQUIVO FUNDAÇÃO-ARG.org
FUNDAÇÃO	
CONTEÚDO FUNDAÇÃO ARQUIBANCADA SETOR A / B	DATA SET/2018 FOLHAS 1/75
07-07	



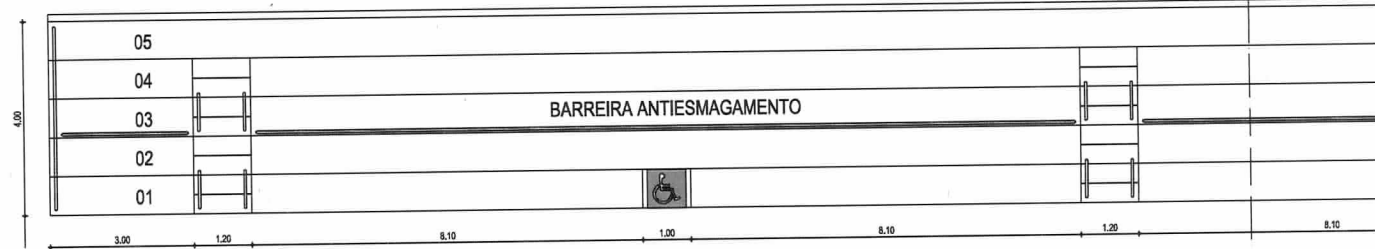


15.8. PROJETO	15.8. CONSTRUÇÃO
CAU	APREND
PROPRIETÁRIO	GOVERNO MUNICIPAL DE SÃO LUÍS DO CURU - CEARÁ
PROJETO	CLAUDIA VILLAS BOAS
PROJETO	
CAI QUEL	
CONSTRUÇÃO	PAGO

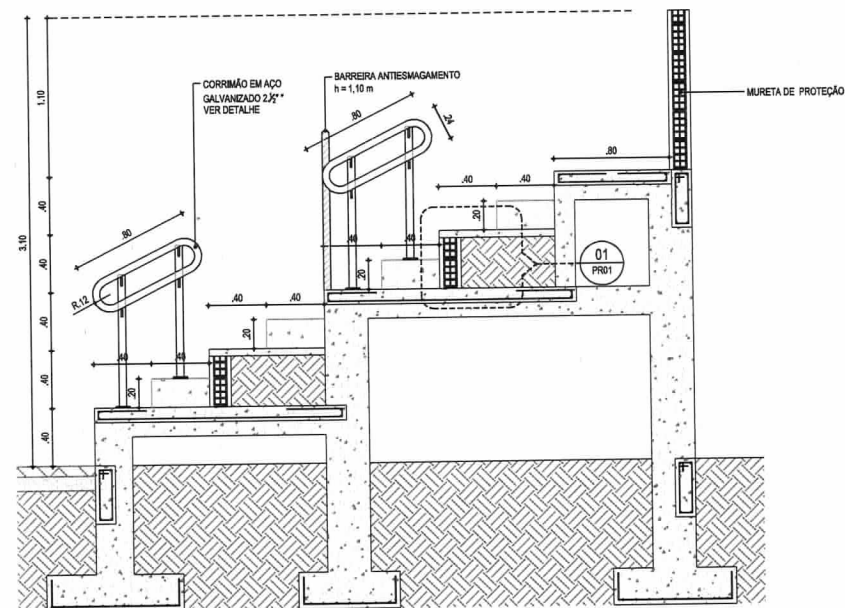
00	EMISSÃO INICIAL	21/09/2018	CLAUDIA VILLAS BOAS
REVISÃO	ASSUNTO	DATA	RESPONSÁVEL
 <p>Claudia Villas Boas Eng.º Civil CREA-CE 14385-D Prefeitura Municipal de São Luís do Curu</p>			
PROJETO	ESTÁDIO MUNICIPAL DE SÃO LUÍS DO CURU	RESPONSÁVEL	CLAUDIA VILLAS BOAS
CONTRATANTE	GOVERNO MUNICIPAL DE SÃO LUÍS DO CURU - CEARÁ	DESENHO	SAM LIMA
ENDEREÇO	RUA DO CAMPO	ARQUIVO	LOCAÇÃO
ARQUITETURA			
CONTÉUDO	LOCAÇÃO ALAMBRADO LOCAÇÃO ARQUIBANCADA	DATA	SET/2018 ESCALA 1/275
			01-02



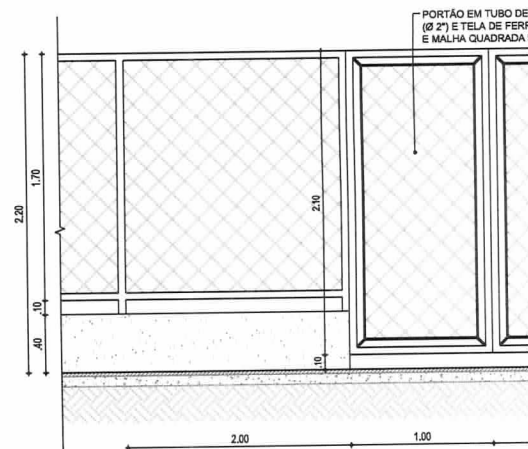
01 VISTAL FRONTAL 01
ESC.: 1/75



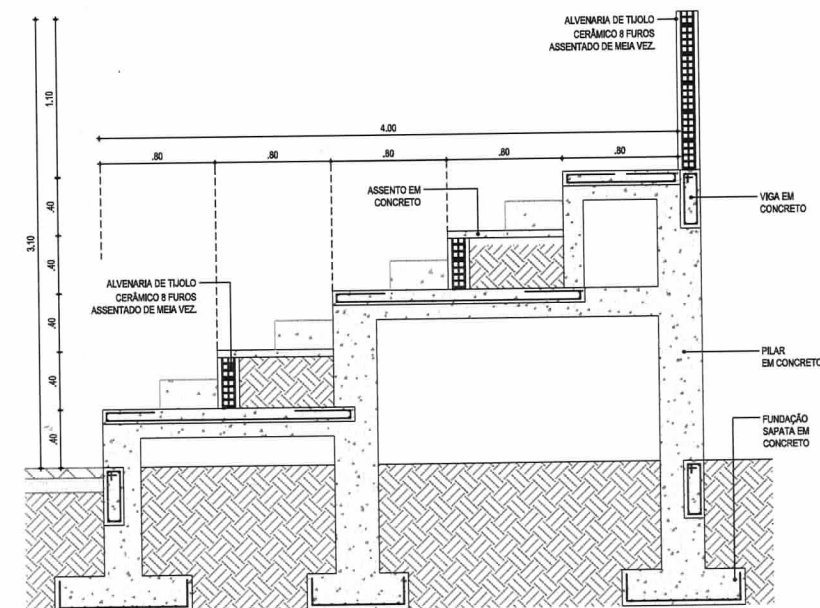
02 PLANTA BAIXA ARQUIBANCADA SETOR A/B
ESC.: 1/75



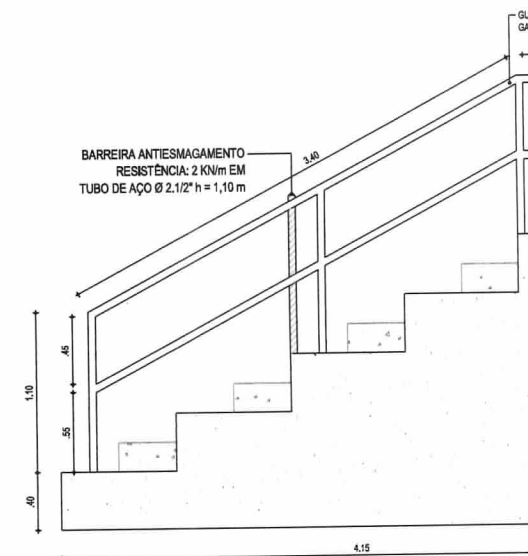
03 CORTE - AA ARQUIBANCADA
ESC.: 1/25



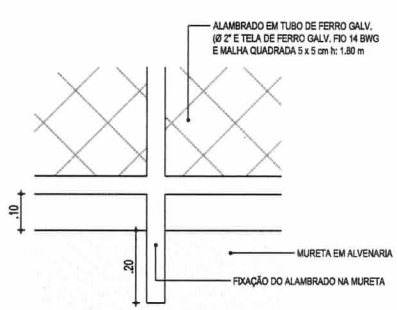
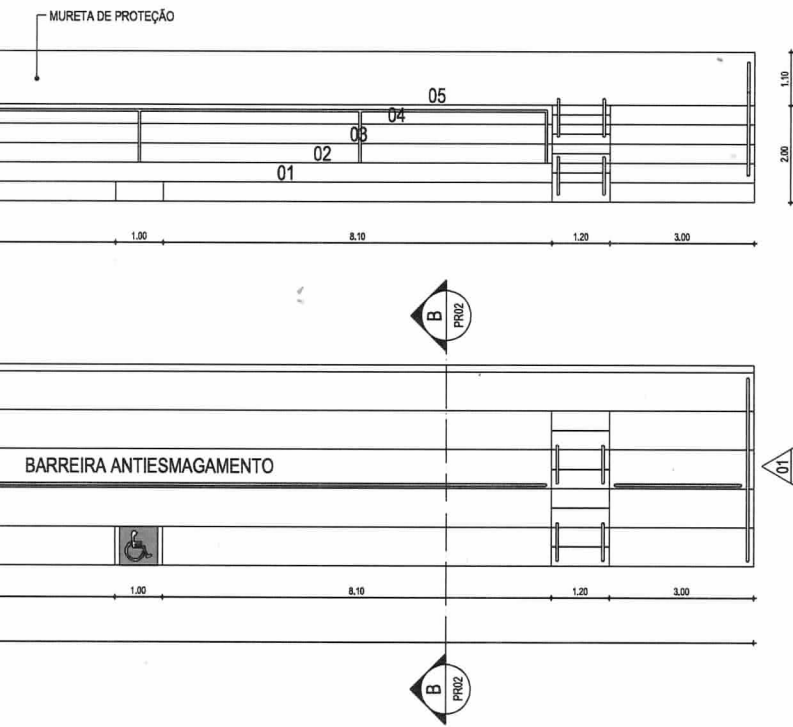
05 DETALHE - PORTÃO 04 DO ALAMBRADO
ESC.: 1/25



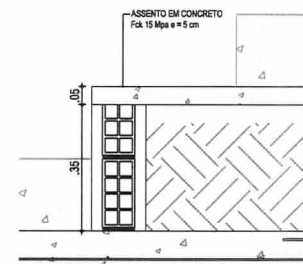
04 CORTE - BB ARQUIBANCADA
ESC.: 1/25



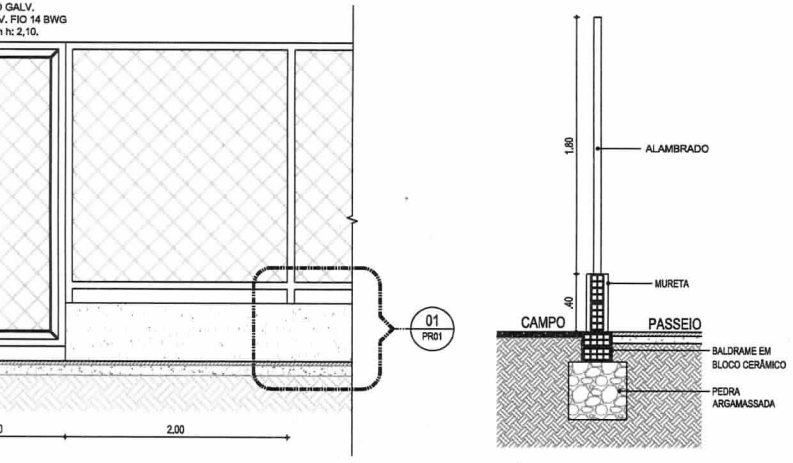
06 VISTA LATERAL ARQUIBANCADA
ESC.: 1/25



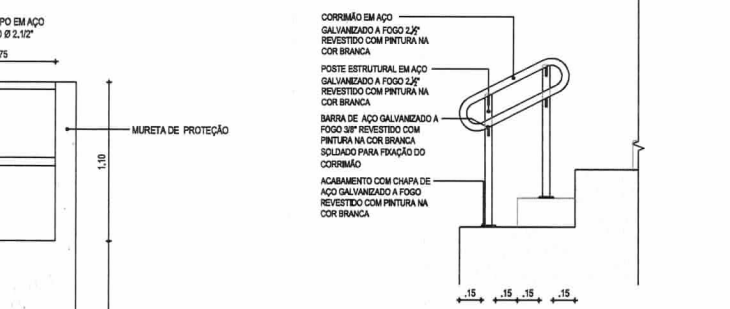
10 | DETALHE DO ALAMBRADO
ESC.: 1/10



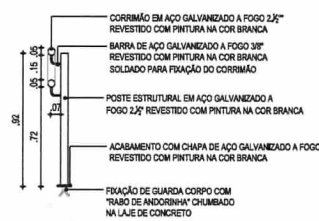
11 | DETALHE ASSENTO ARQUIVANCADA
ESC.: 1/10




07 | DETALHE - ALAMBRADO
ESC.: 1/25




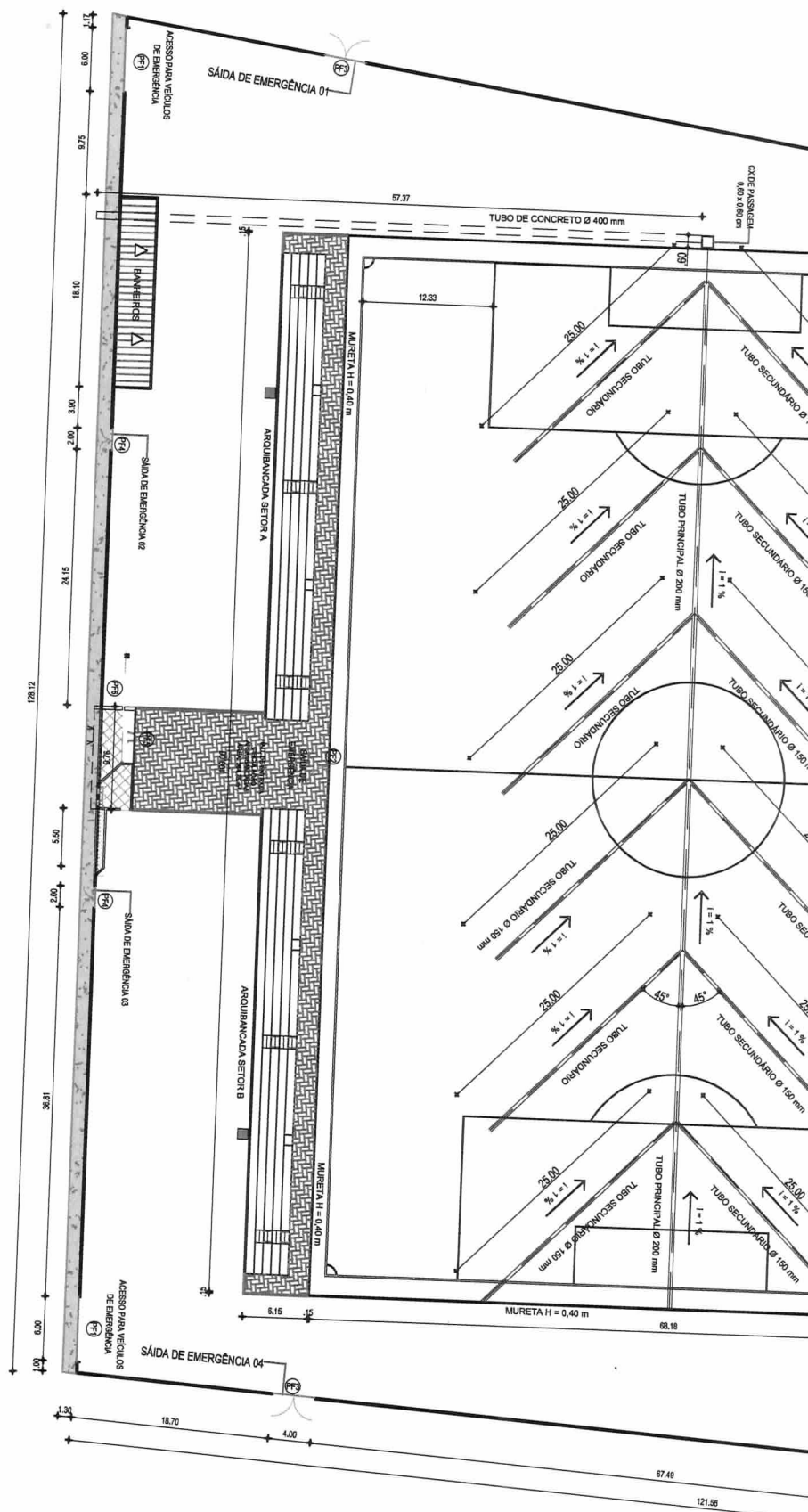
08 | DETALHE CORRIMÃO
ESC.: 1/25

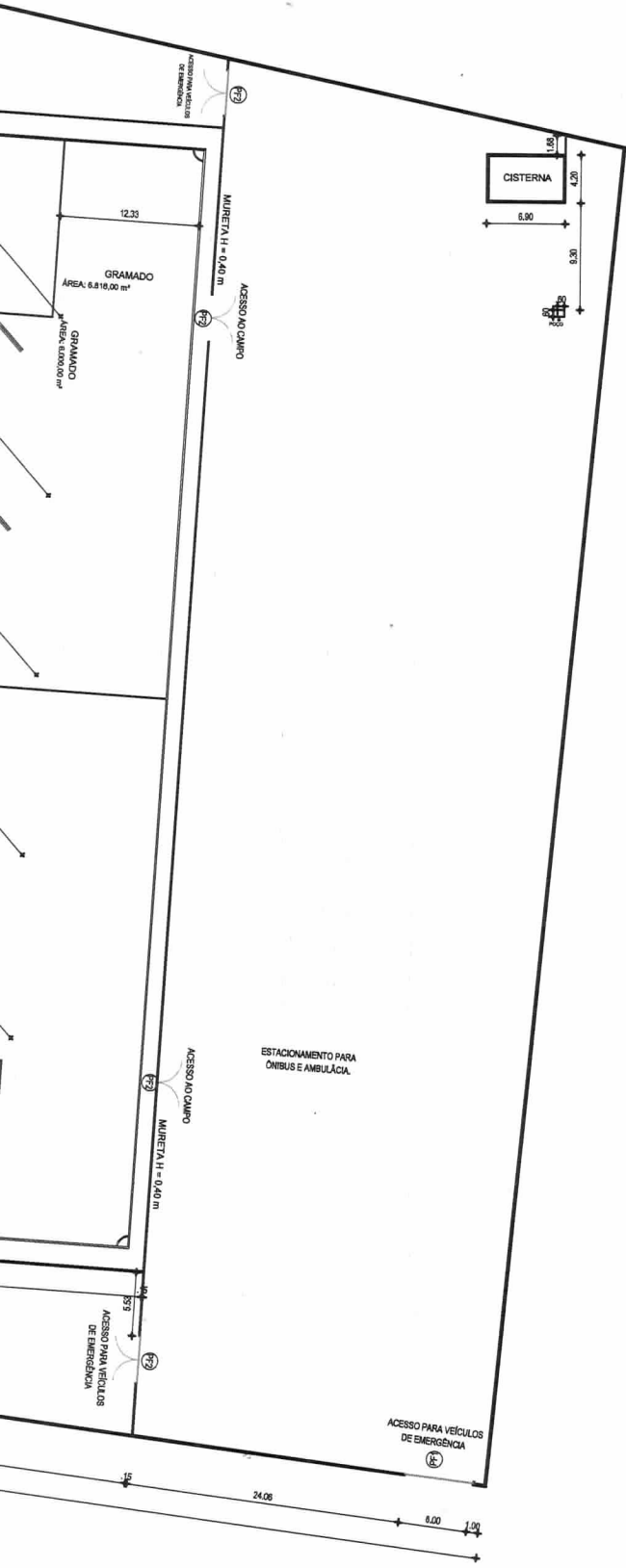


09 | CORRIMÃO - VISTA FRONTAL
ESC.: 1/25

I.B.B. PROJETO		I.B.B. CONSTRUÇÃO	
CALI		APROVADO	
PROPRIETÁRIO: GOVERNO MUNICIPAL DE SÃO LUÍS DO CURU - CEARÁ			
PROJETO: CLAUDIA VILLAS BOAS			
CALI CALI D			
CONSTRUÇÃO			
PÁGINO		PÁGINO	

00	EMISSÃO INICIAL	21/09/2018	CLAUDIA VILLAS BOAS
REVISÃO	ASSUNTO	DATA	RESPONSÁVEL
			
PROJETO	ESTÁDIO MUNICIPAL DE SÃO LUÍS DO CURU	RESPONSÁVEL	CLAUDIA VILLAS BOAS
CONTRATANTE	GOVERNO MUNICIPAL DE SÃO LUÍS DO CURU - CEARÁ	DESENHO	SAM LIMA
ENDEREÇO	RUA DO CAMPO	ARGUMENTO	DETALHES
ARQUITETURA			
CONTEÚDO	PLANTA BAIXA ARQUIVANCADA	VISTA LATERAL ARQUIVANCADA	DATA
	VISTA FRONTAL ARQUIVANCADA	DETALHES CONTRUTIVOS ARQIL.	SET/2018
	CORTE AA ARQUIVANCADA	DETALHES CONTRUTIVOS ALAMB.	INDIC.
	CORTE BB ARQUIVANCADA		
			02-02





PROJETO DE ARQUITETURA

PROJETO	CONSTRUÇÃO DO ESTÁDIO MUNICIPAL	RESPONSÁVEL	CLAUDIA VILLAS BOAS	DATA	03/04/19	ESCALA	1/600
CLIENTE	GOVERNO MUNICIPAL DE SÃO LUIS CURU - CE	DESENHO	SAM LIMA	<h1>01-02</h1>			
ENDEREÇO	RUA DO CAMPO						
CONTEÚDO	PLANTA BAIXA - DRENAGEM DO CAMPO						



Claudia Villas Boas
 Engª Civil CREA-CE 14369-7
 Prefeitura Municipal de
 São Luís do Curu