



PREFEITURA DE
PACATUBA



DETALHES SERRALHERIA

PREFEITURA MUNICIPAL DE PACATUBA

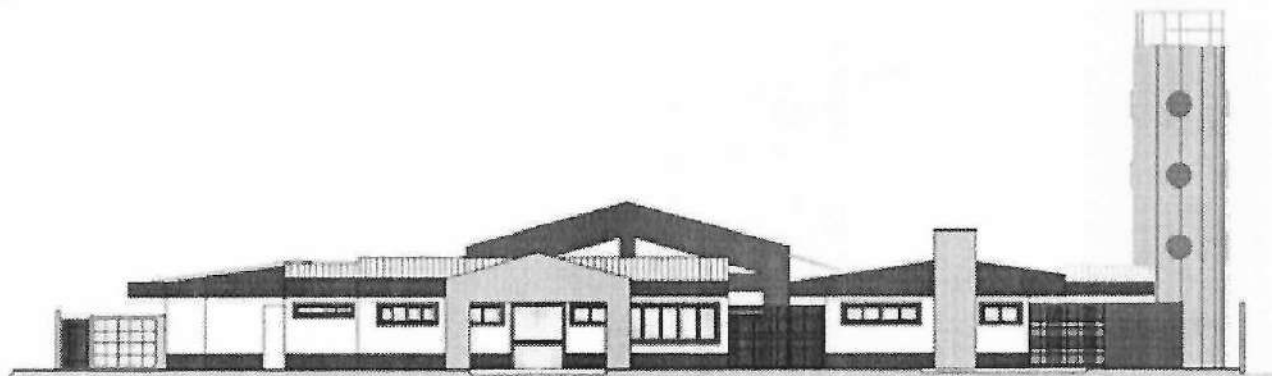
R. Cel. João Carlos, Nº 345 – Centro

CEP. 61.801-215 - Pacatuba-CE



DETALHES SERRALHERIA

CRECHE TIPO B



CASALTA
CONSTRUÇÕES

DETALHAMENTO DE SERRALHERIA
PORTÕES, GRADIS E BARRAS

REV. 05

01/17



CRECHE TIPO B
CONTROLE DE ALTERAÇÃO DE
DETALHES DE SERRALHERIA

02/17

ÍNDICE DE DETALHES DE SERRALHERIA



CÓD.	DIMENSÕES (cm) (COMP x LARG)	MATERIAL	TIPO	LOCAL	QTD.
PORTÕES, GRADIS E BARRAS DE APOIO					
GR1	220 x 220cm	FERRO E ARAME GALVANIZADO	GRADIL C/ PORTÃO - PINTURA COR AZUL FRANÇA	ENTRE BLOCO SERVIÇO E BLOCO PEDAGÓGICO 1	01
GR2	160 x 180cm	FERRO E ARAME GALVANIZADO	GRADIL C/ PORTÃO - PINTURA COR AMARELO OURO	ÁREA DE SERVIÇO	01
GR3	321 x 220cm	FERRO E ARAME GALVANIZADO	GRADIL FIXO - PINTURA COR AZUL FRANÇA	ENTRE BLOCO SERVIÇO E BLOCO ADMINISTRATIVO	01
	150 x 220cm	FERRO E ARAME GALVANIZADO	GRADIL C/ PORTÃO - PINTURA COR AZUL FRANÇA	ENTRE BLOCO SERVIÇO E BLOCO ADMINISTRATIVO	01
GR4	226 x 220cm	FERRO E ARAME GALVANIZADO	GRADIL C/ PORTÃO - PINTURA COR AZUL FRANÇA	ENTRE BLOCO ADMINISTRATIVO E BLOCO MULTIUSO	01
GR5	498 x 180cm	FERRO E ARAME GALVANIZADO	GRADIL C/ PORTÃO - PINTURA COR AMARELO	SOLARIUM PRÉ-ESCOLA	01
GR6	520 x 180cm	FERRO E ARAME GALVANIZADO	GRADIL C/ PORTÃO - PINTURA COR AMARELO	SOLARIUM CRECHE I	01
GR7	498 x 100cm	FERRO E ARAME GALVANIZADO	GRADIL C/ PORTÃO - PINTURA COR AMARELO	SOLARIUM CRECHE III	02
GR8	520 x 100cm	FERRO E ARAME GALVANIZADO	GRADIL C/ PORTÃO - PINTURA COR AMARELO	SOLARIUM CRECHE II	02
GR9	308 x 180cm	FERRO E ARAME GALVANIZADO	GRADIL - PINTURA VERMELHO	ÁREA DE SERVIÇO	01
GR10	1469 x 140cm	FERRO GALVANIZADO	FIXA - PINTURA CONFORME DETALHE	MURO FRONTAL	01
GR11	60 x 140cm	FERRO GALVANIZADO	FIXA - PINTURA CONFORME DETALHE	MURO FRONTAL	03
GR12	8,57 x 140cm	FERRO GALVANIZADO	FIXA - PINTURA CONFORME DETALHE	MURO FRONTAL	01
GR13	6,34 x 140cm	FERRO GALVANIZADO	FIXA - PINTURA CONFORME DETALHE	MURO FRONTAL	01
BR1	307 cm	METÁLICO RESIST. A CORROSÃO	C/ ADERÊNCIA E PINTURA AZUL FRANÇA	CRECHES I, II, III E PRÉ ESCOLA	08
BR2	367cm	METÁLICO RESIST. A CORROSÃO	C/ ADERÊNCIA E PINTURA AZUL FRANÇA	SALA MULTIUSO	01
PT1	160 x 215cm	FERRO GALVANIZADO	2 FOL. DE GIRO - PINTURA CONFORME DETALHE	ACESSO PEDESTRES	02
PT2	330 x 215cm	FERRO GALVANIZADO	1 FOLHA DE CORRER - PINTURA CONFORME DETALHE	ACESSO VEÍCULOS	01

OBSERVAÇÕES

* CONFIRMAR DIMENSÕES NA OBRA.

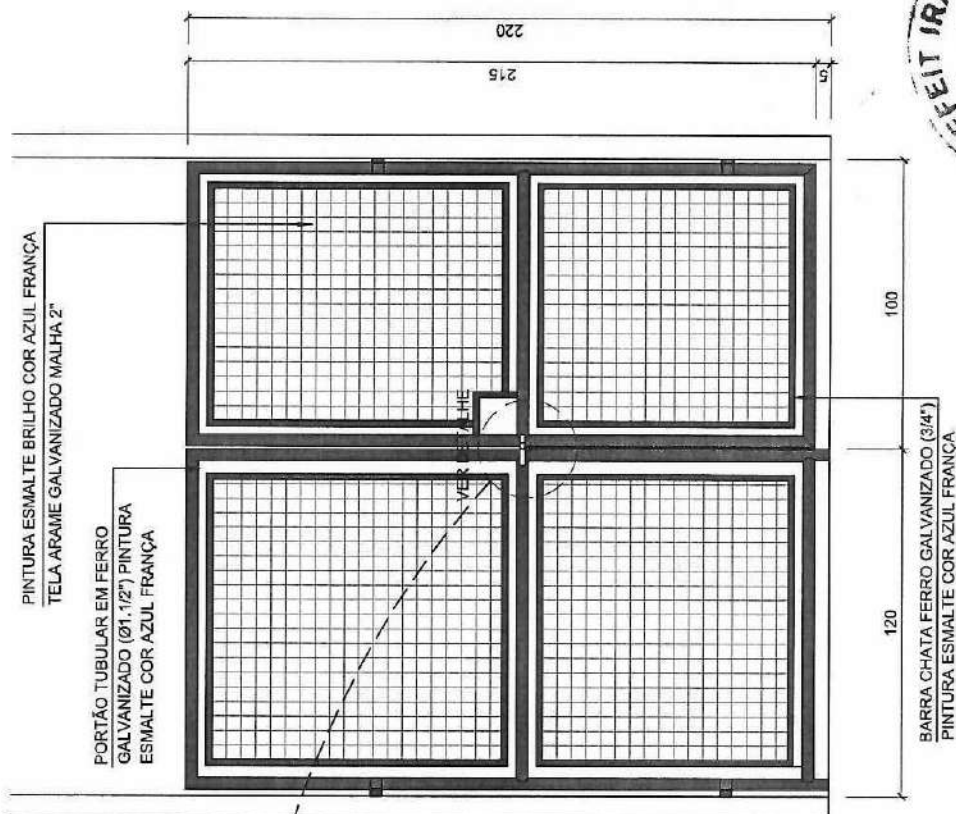
* TODOS OS DETALHES FORAM REPRESENTADOS NA ESCALA 1/25, EXCETO QUANDO INDICADA.

CASALTA
CONSTRUÇÕES

CRECHE TIPO B
CONTROLE DE ALTERAÇÃO DE
DETALHES DE SERRALHERIA

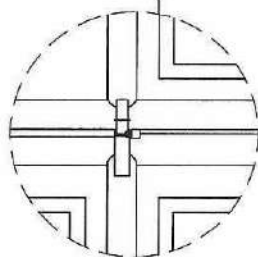
REV. 05

03/17



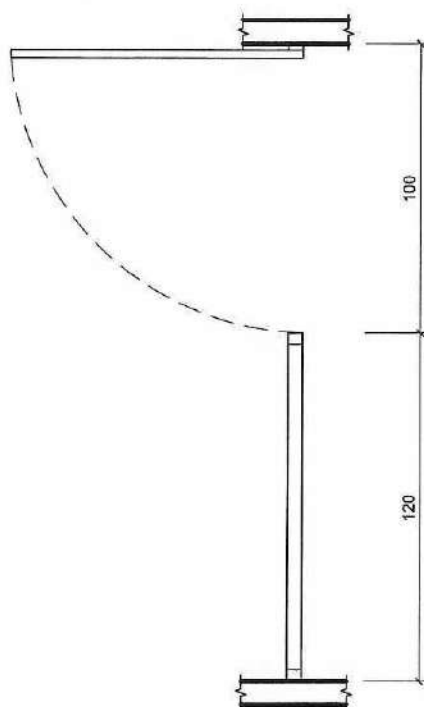
ELEVACÃO
ESCALA 1:25

03



DETALHE TRAVA
COM PORTA CADEADO
ESCALA 1:10

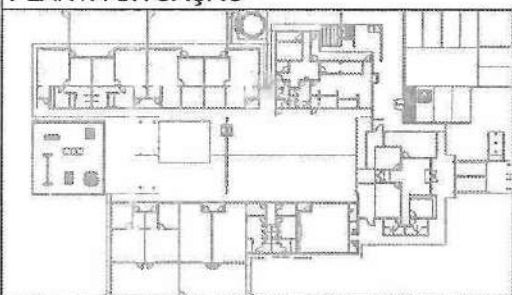
01



PLANTA
ESCALA 1:25

02

PLANTA SITUAÇÃO

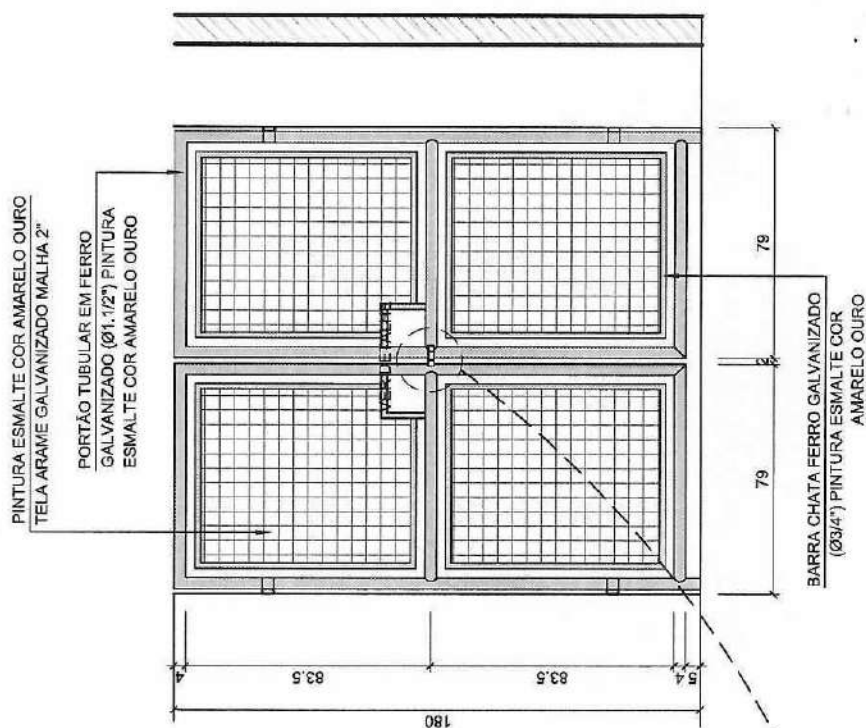


CRECHE TIPO B
DETALHE GRADIL GR1 - ENTRE
BL. SERVIÇO E PEDAGÓGICO 1

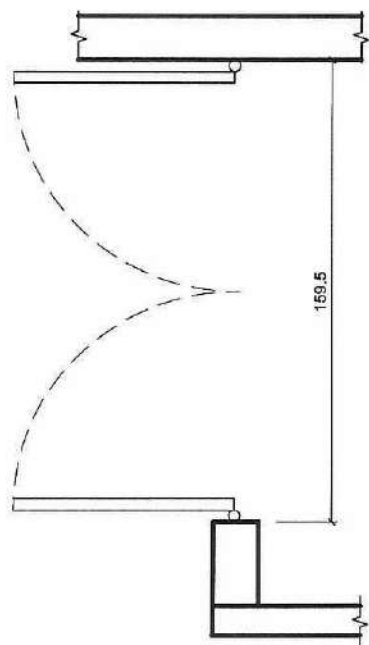
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04/17

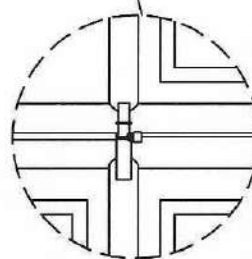




ELEVÇÃO
ESCALA 1:25
03

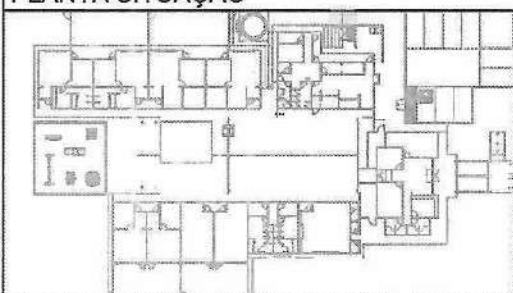


PLANTA
ESCALA 1:25
01



DETALHE TRAVA
COM PORTA CADEADO
ESCALA 1:10
02

PLANTA SITUAÇÃO



CRECHE TIPO B
DETALHE GRADIL GR2
ÁREA DE SERVIÇO

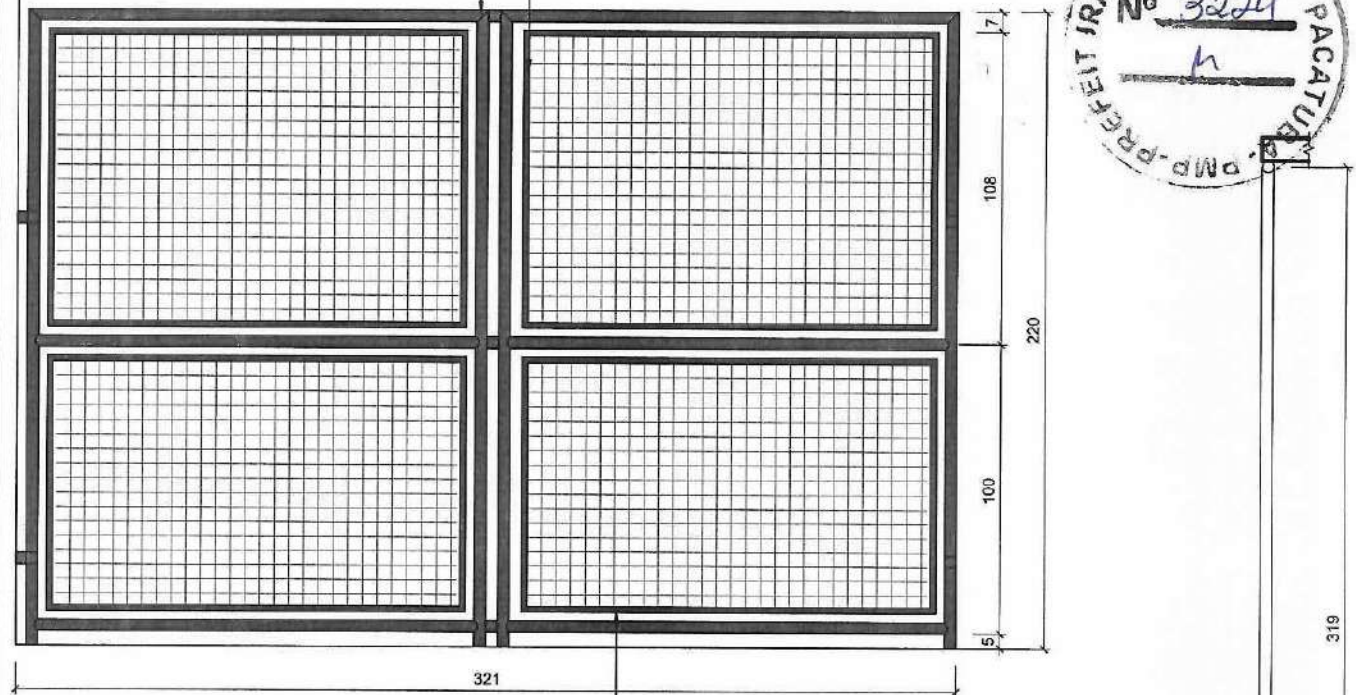
REV. 05

05/17



BARRA CHATA FERRO GALVANIZADO
(Ø1.1/2") PINTURA ESMALTE AZUL FRANÇA

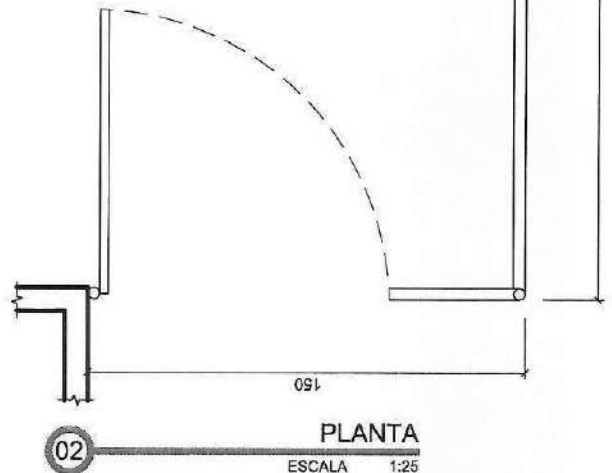
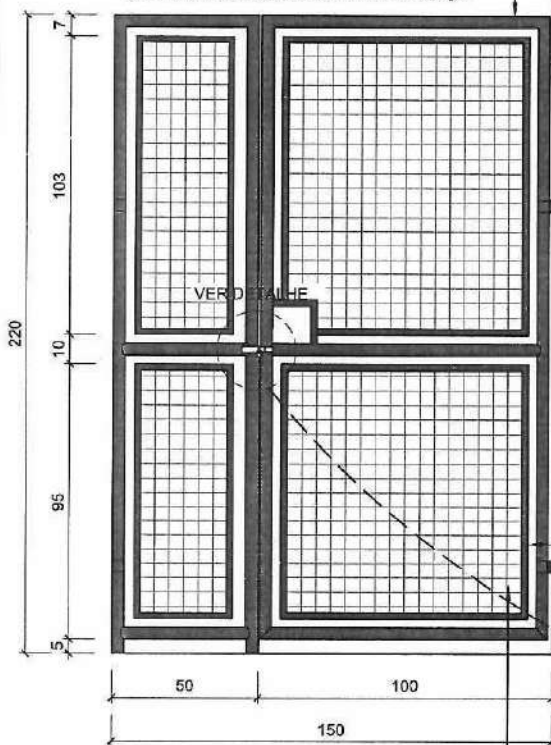
PINTURA ESMALTE BRILHO COR AZUL FRANÇA
TELA ARAME GALVANIZADO MALHA 2"



BARRA CHATA FERRO GALVANIZADO (Ø3/4")

PINTURA ESMALTE COR AZUL FRANÇA

BARRA CHATA FERRO GALVANIZADO
(Ø1.1/2") PINTURA ESMALTE AZUL FRANÇA



PLANTA

ESCALA 1:25

BARRA CHATA FERRO GALVANIZADO
(Ø3/4") PINTURA ESMALTE AZUL FRANÇA

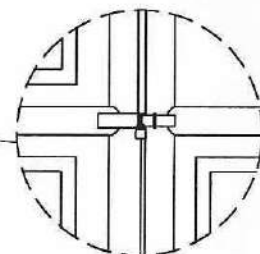
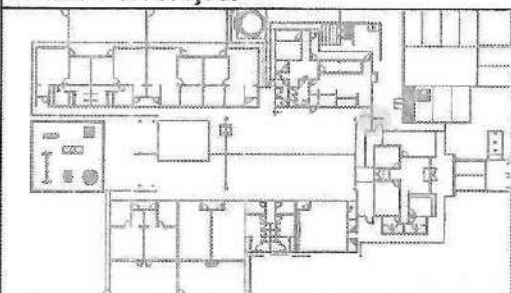
TELA ARAME GALVANIZADO
MALHA 2", PINTURA ESMALTE
COR AZUL FRANÇA

ELEVAÇÕES

ESCALA 1:25

01

PLANTA SITUAÇÃO



DETALHE TRAVA
COM PORTA CADEADO

ESCALA 1:10

03

CRECHE TIPO B

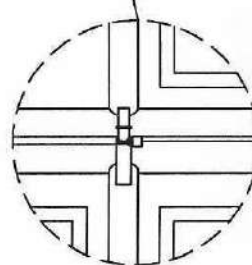
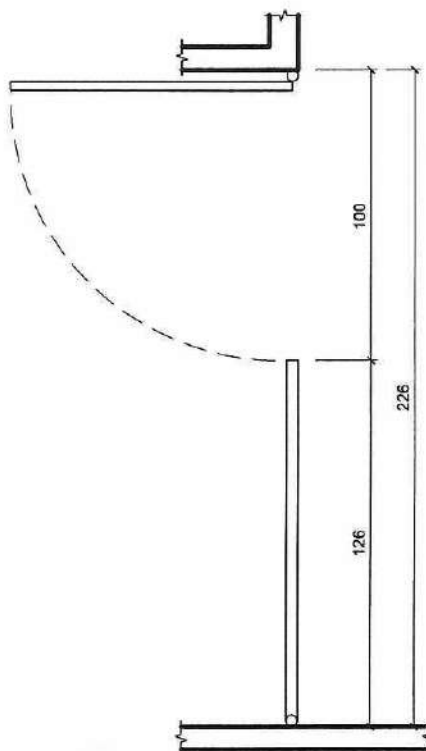
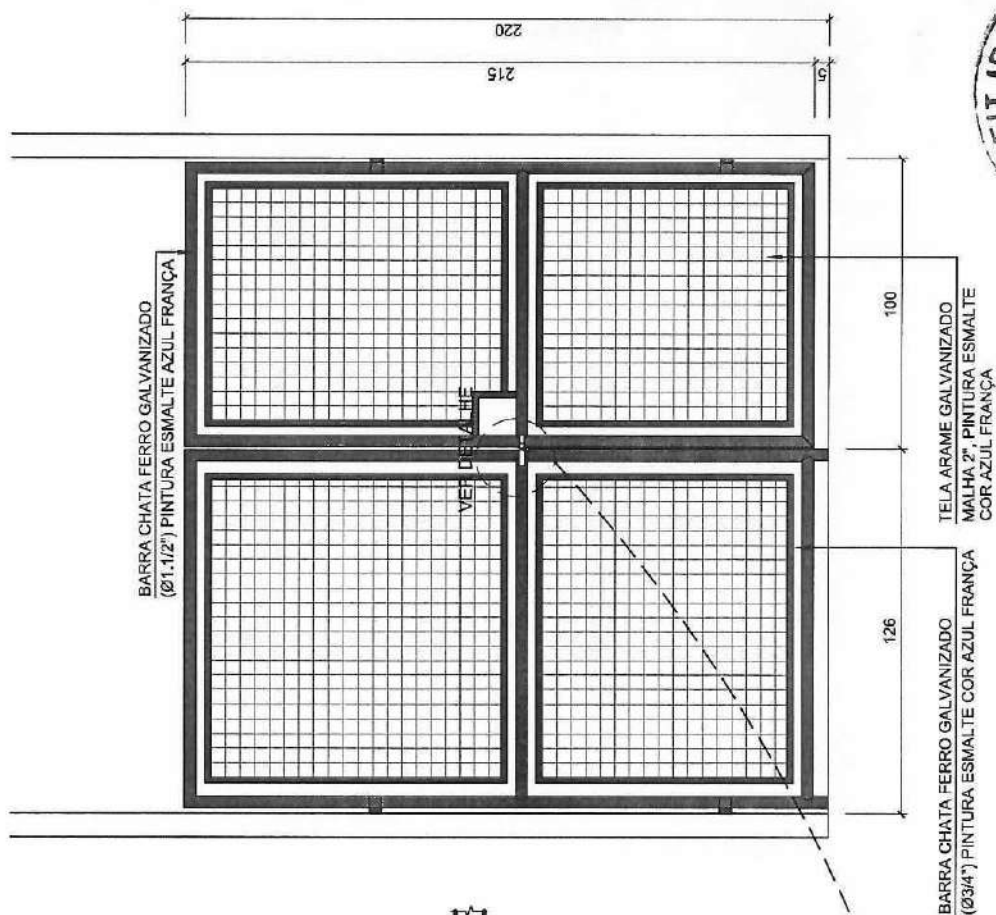
DETALHE GRADIL GR3

ENTRE BL. SERVIÇO E ADMINSTR.

REV. 05

06/17



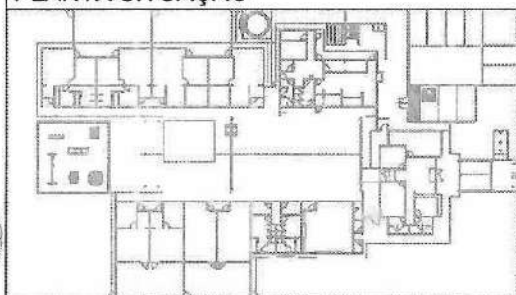


02

DETALHE TRAVA
COM PORTA CADEADO

ESCALA 1:10

PLANTA SITUAÇÃO

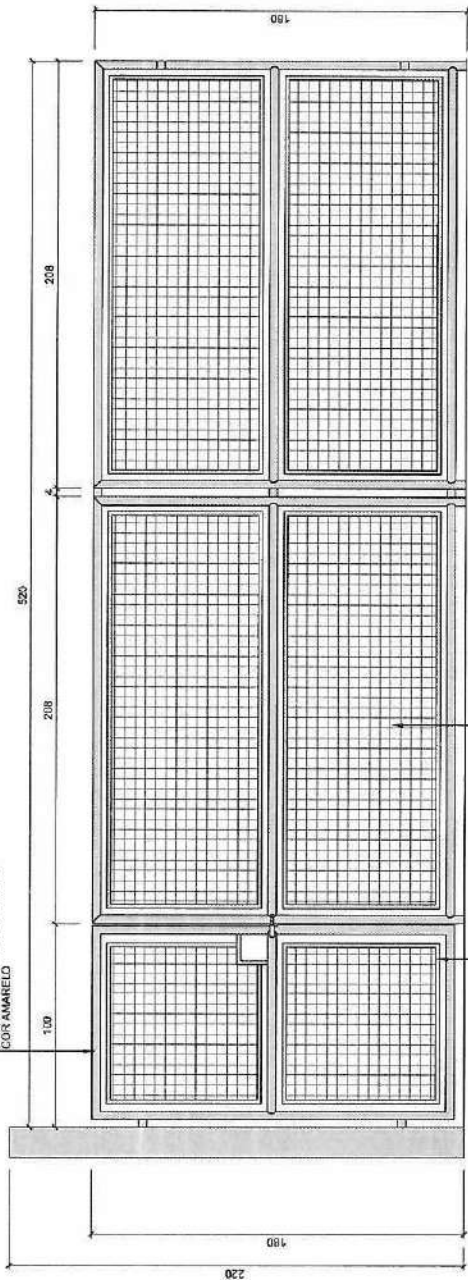


CRECHE TIPO B
DETALHE GRADIL GR4
ENTRE BL. ADM. E MULTIUSO

REV. 05

07/17

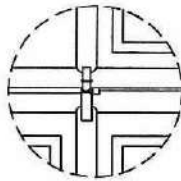
TUBO EM FERRO GALVANIZADO (Ø1 1/2"),
COM PINTURA ESMALTE BRILHO,
COR AMARELO



TELA DE ARAME GALVANIZADO,
EM MALHA QUADRANGULAR 2",
COM PINTURA ESMALTE BRILHO,
COR AMARELO

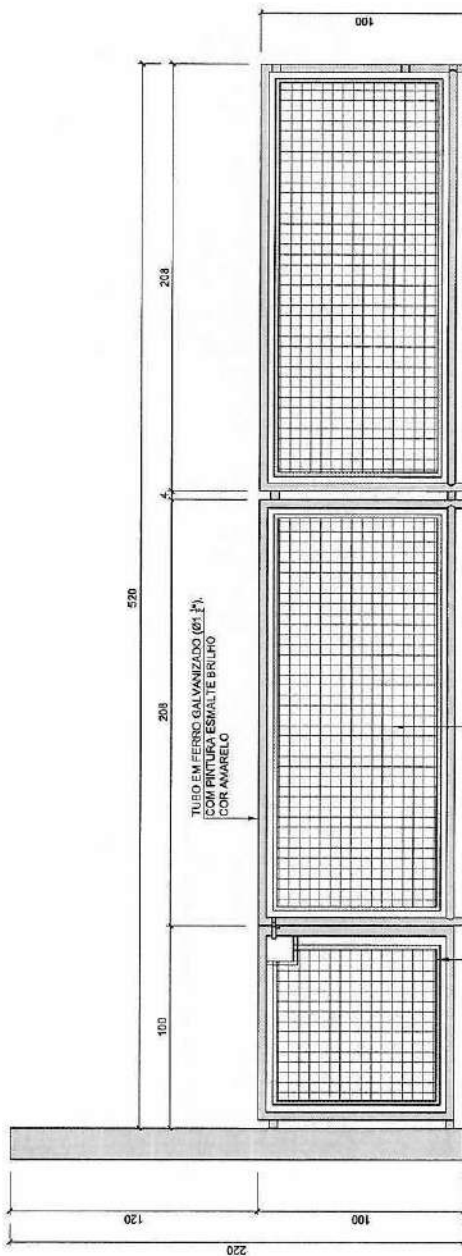
BARRA CHATA EM FERRO GALVANIZADO (1"),
COM PINTURA ESMALTE BRILHO,
COR AMARELO

01 ELEVÇÃO GR6
ESCALA 1:25



03 DETALHE TRAVA
COM PORTA CADEADO
ESCALA 1:10

TUBO EM FERRO GALVANIZADO (Ø1 1/2"),
COM PINTURA ESMALTE BRILHO,
COR AMARELO

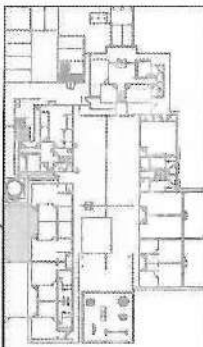


TELA DE ARAME GALVANIZADO,
EM MALHA QUADRANGULAR 2",
COM PINTURA ESMALTE BRILHO,
COR AMARELO

BARRA CHATA EM FERRO GALVANIZADO (1"),
COM PINTURA ESMALTE BRILHO,
COR AMARELO

02 ELEVÇÃO GR8
ESCALA 1:25

PLANTA SITUAÇÃO



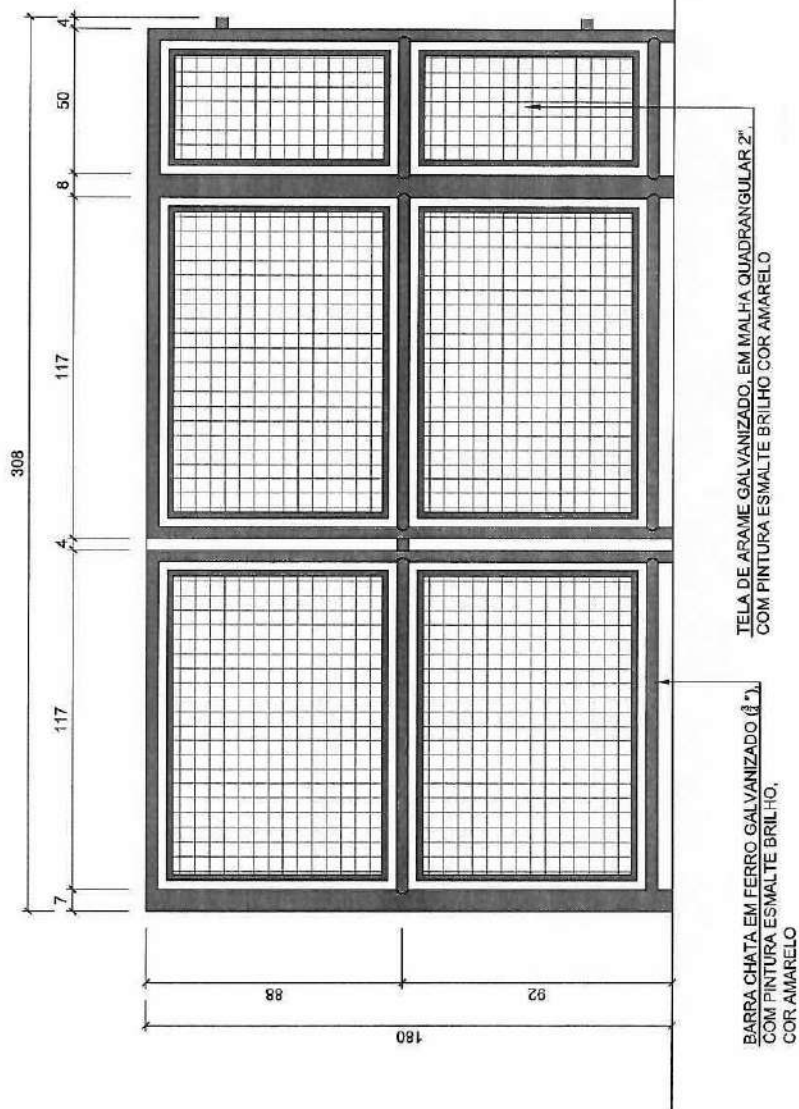
CASALTA
CONSTRUÇÕES

REV. 05

09/17

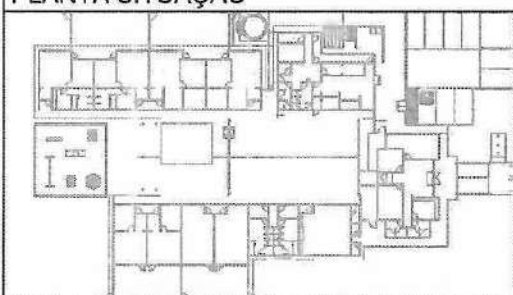
CRECHE TIPO B
DETALHE GRADIS GR6 E GR8
SOLARIUM CRECHE I E CRECHE II

301CRB-DET-PE-003-SER-GER-R05.dwg



ELEVACÃO
ESCALA 1/25
01

PLANTA SITUAÇÃO

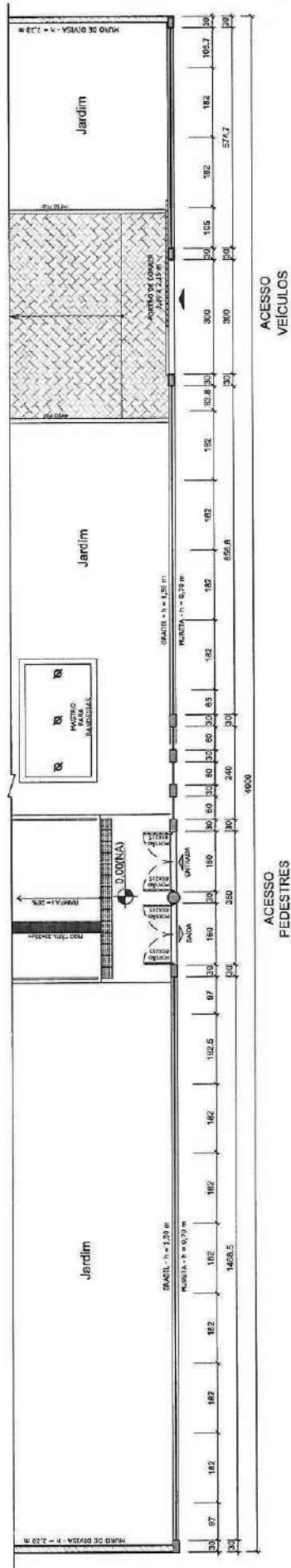


CRECHE TIPO B
DETALHE GRADIL GR9
BLOCO SERVIÇO

REV. 05

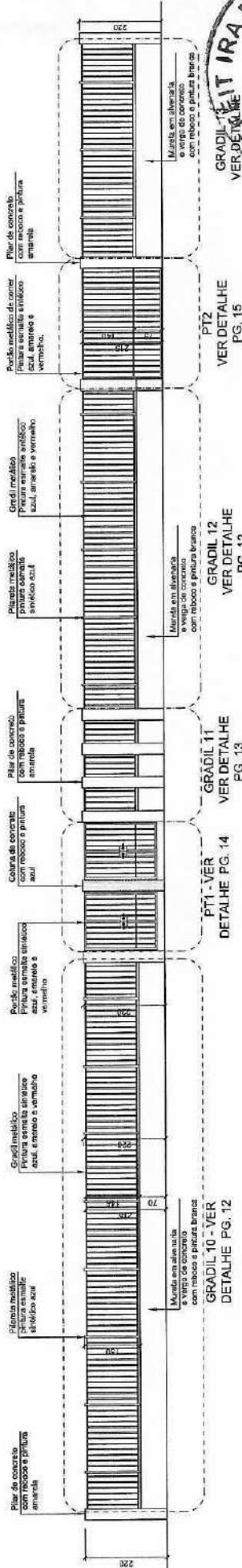
10/17





ACESSO VEICULOS

ACESSO PEDESTRES



01 MARCAÇÃO DOS GRADIS
ESCALA 1:100

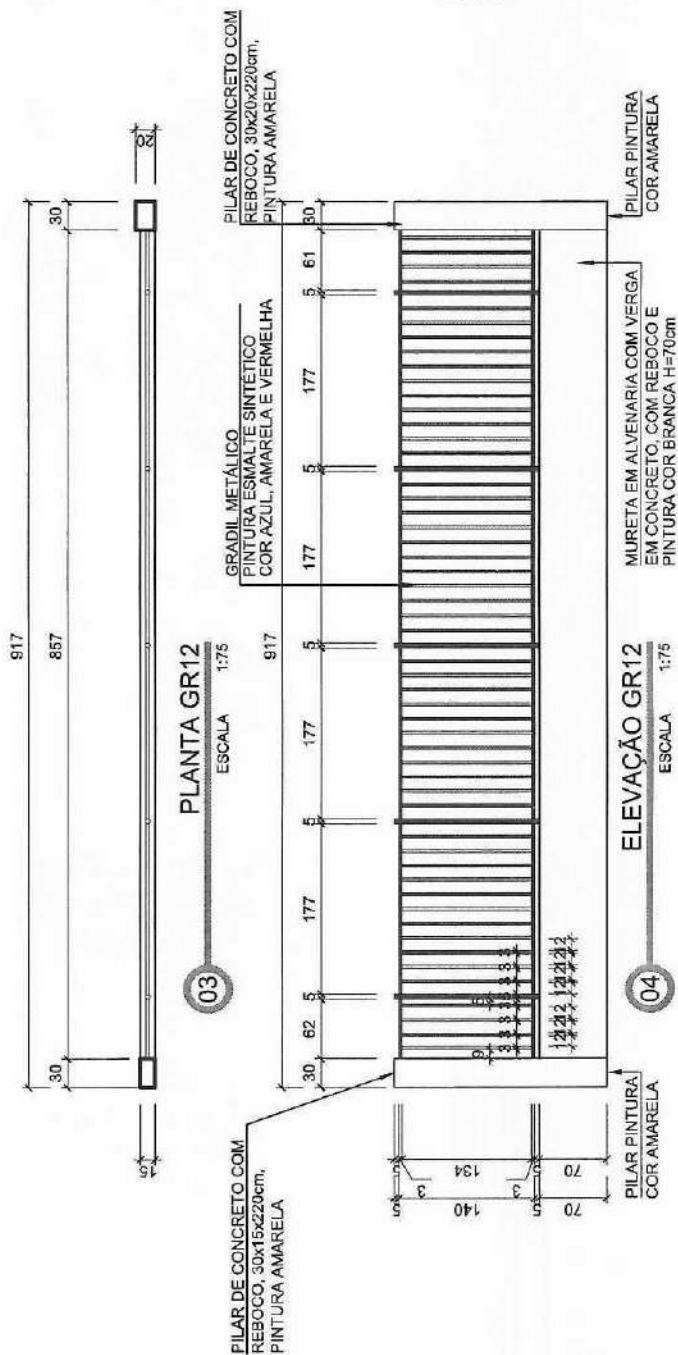
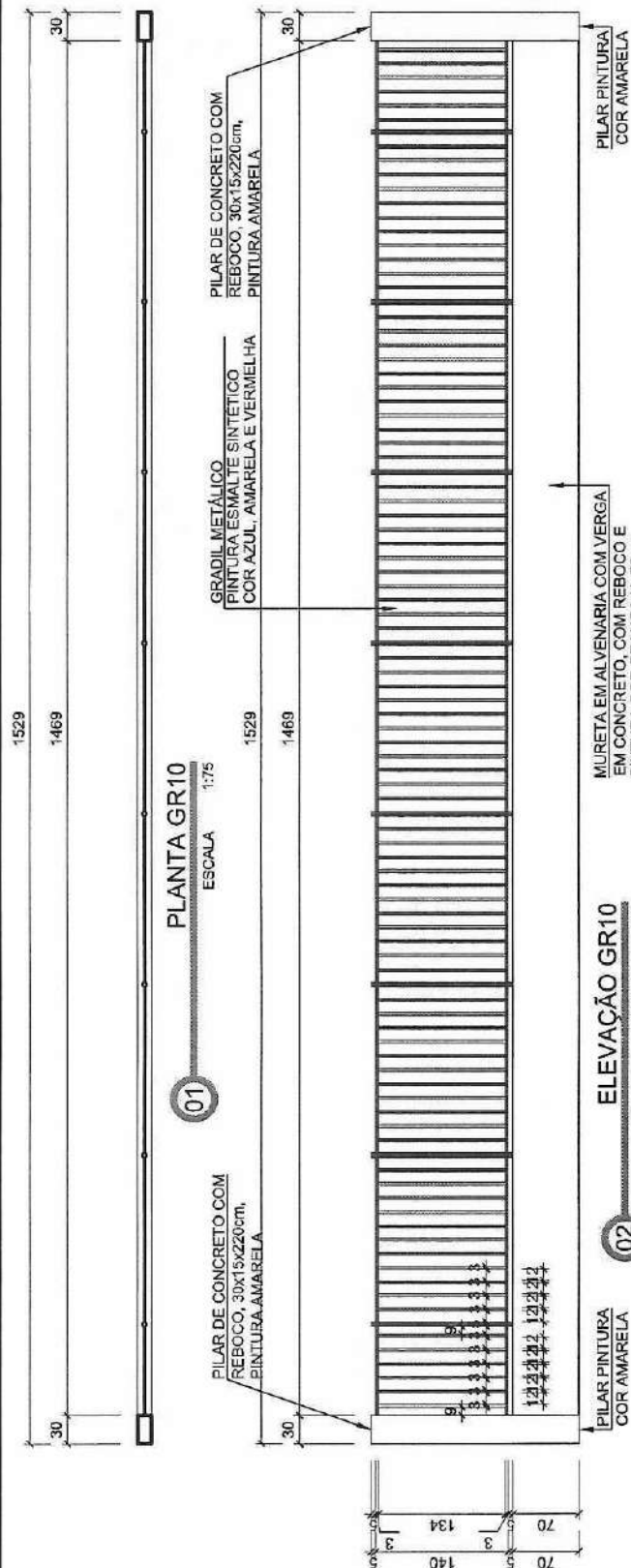


PLANTA SITUAÇÃO

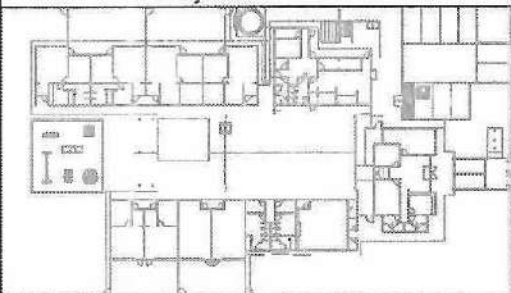
CASALTA
CONSTRUÇÕES

REV. 05
11/17

CRECHE TIPO B
DETALHE GRADIS MURO



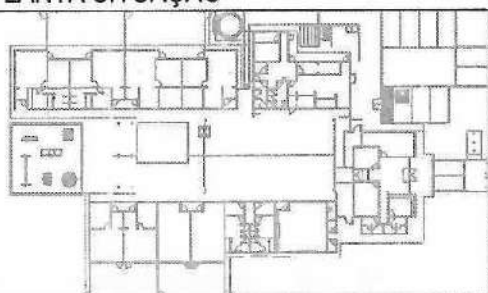
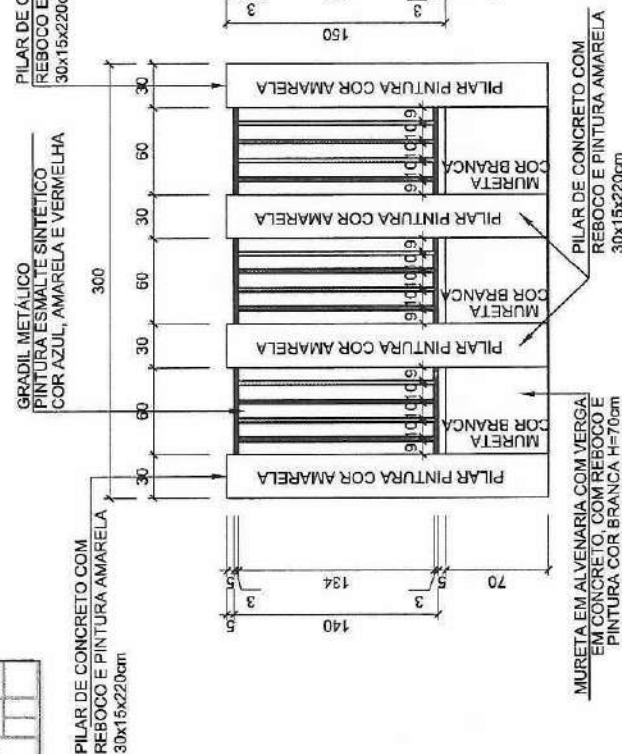
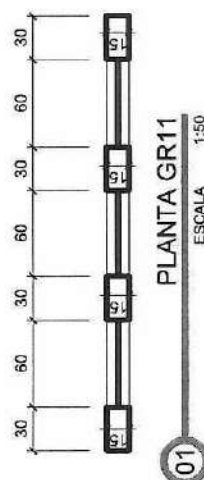
PLANTA SITUAÇÃO



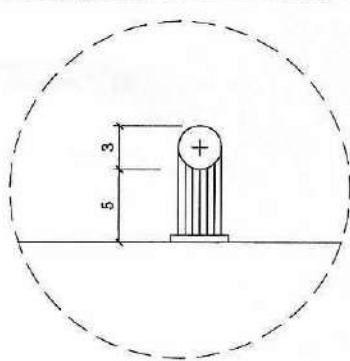
CRECHE TIPO B
DETALHE GRADIS GR10 E GR12
MURO FRONTAL

REV. 05

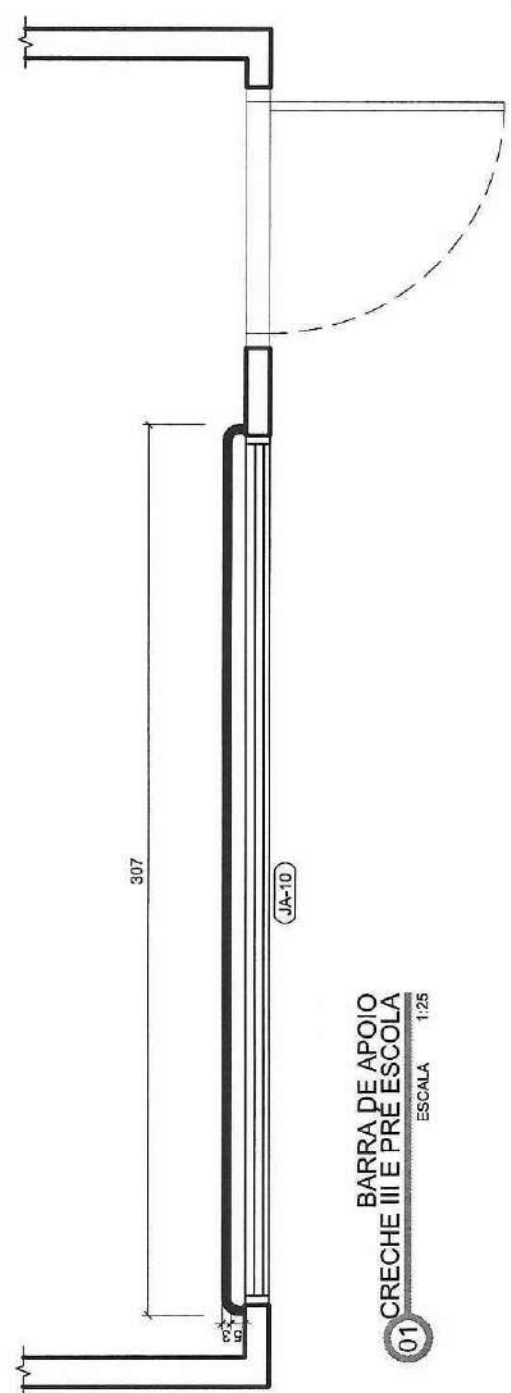
12/17



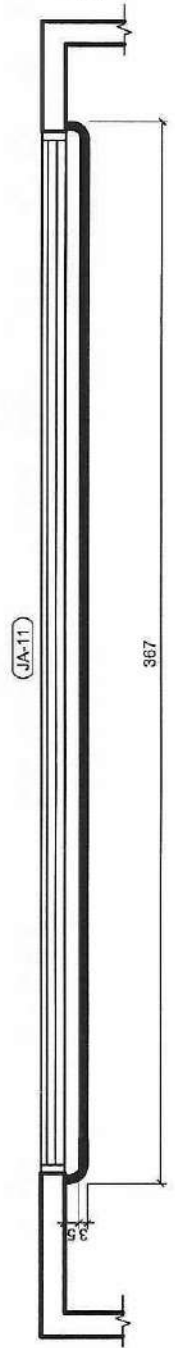
13/17



DET. BARRA DE APOIO
ESCALA 1:3
03

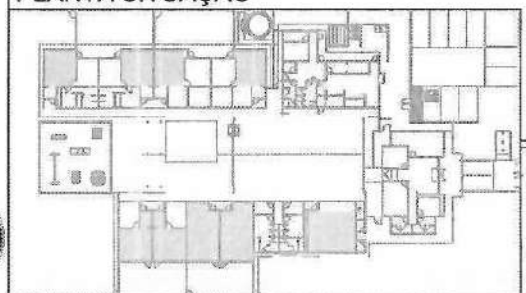


01 BARRA DE APOIO
CRECHE III E PRÉ ESCOLA
ESCALA 1:25



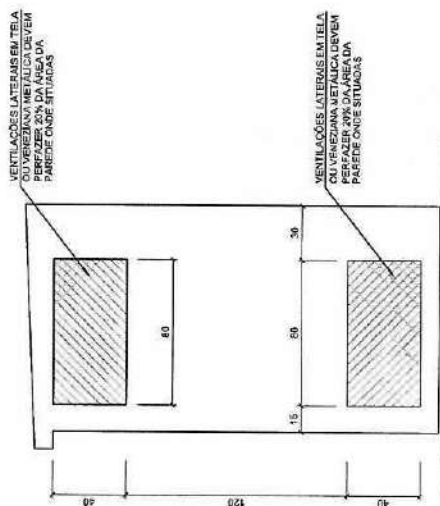
02 BARRA DE APOIO
CRECHES I, II E MULTIUSO
ESCALA 1:25

PLANTA SITUAÇÃO

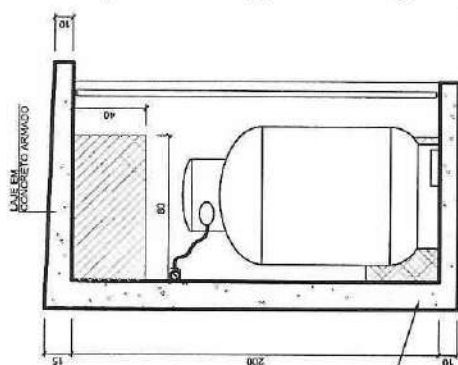


CRECHE TIPO B
DETALHE BARRAS DE APOIO
BL. PEDAGÓGICO 1, 2 E MULTIUSO

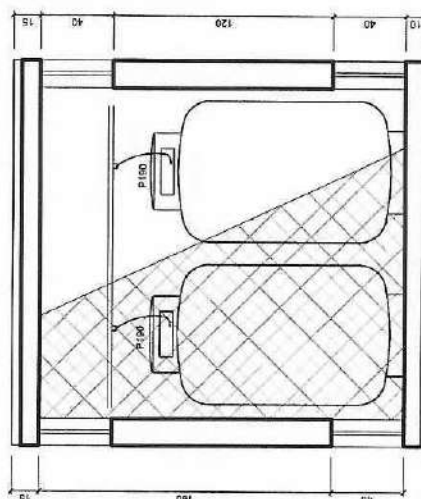
REV. 05
16/17



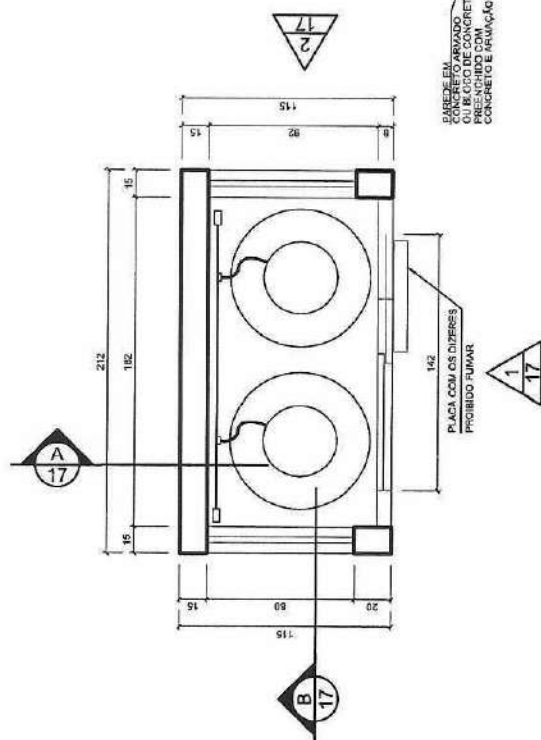
ELEVAÇÃO LATERAL
01 ESCALA



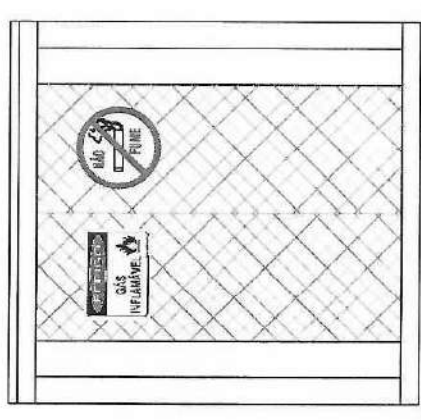
CORTE A
01 ESCALA



CORTE B
01 ESCALA

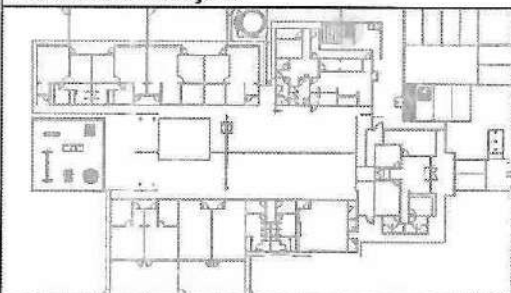


PLANTA
01 ESCALA



ELEVAÇÃO FRONTAL
01 ESCALA

PLANTA SITUAÇÃO



CRECHE TIPO B
DET. PORTÕES E GRADIL DE
VENTILAÇÃO - CENTRAL DE GÁS

REV. 05

17/17



QUANTITATIVOS DO MURO
PARA UM TRECHO DE 2,55 metros

ACO	FDS	BIT	QUANT	COMPRIMENTO	UNIT	TOTAL
(cm)				(m)	(m)	(m)
50A	1	3	18	52		935
50A	2	4	18	40		720
50A	3	8	1	-CORR-		270
50A	4	10	2	-CORR-		540
60B	5	5	10	25		250

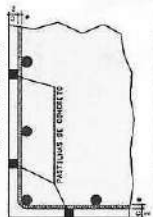
RESUMO AÇO CA 50-50

ACO	BIT	COMPR	PESO
(cm)	(m)	(m)	(kg)
50A	5	11	2
50A	8	19	7
50A	10	5	3
Peso Total		35A =	2 kg
		50A =	10 kg

VOLUME DE CONCRETO

PARA UMA ESTACA	0,935 m³
PARA UM PILARETE	0,935 m³
CANALETAS	0,935 m³
TRECHO DE 2,55m	0,935 m³
TOTAL	0,935 m³

DETALHE GERAL PARA GARANTIR O COBRIMENTO DAS ARMADURAS



NOTAS:
1- O COBRIMENTO DEBEM SER DE 20 MPa.
2- AS BARRAS DE ARMADURA DEBEM SER DE 50A E 60B.
3- A DISTÂNCIA ENTRE AS BARRAS DEBEM SER DE 10 CM.
4- O COBRIMENTO DEBEM SER DE 20 MPa.
5- O COBRIMENTO DEBEM SER DE 20 MPa.
6- O COBRIMENTO DEBEM SER DE 20 MPa.
7- O COBRIMENTO DEBEM SER DE 20 MPa.
8- O COBRIMENTO DEBEM SER DE 20 MPa.
9- O COBRIMENTO DEBEM SER DE 20 MPa.
10- O COBRIMENTO DEBEM SER DE 20 MPa.

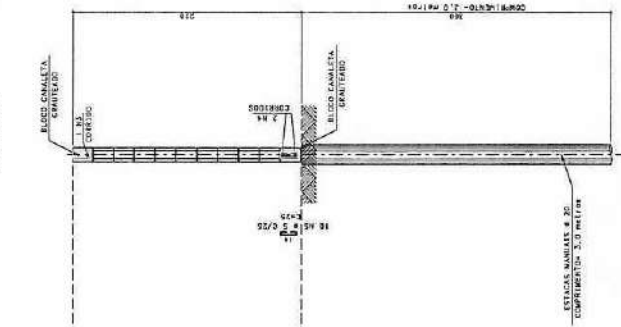
NOTAS:
1- O COBRIMENTO DEBEM SER DE 20 MPa.
2- AS BARRAS DE ARMADURA DEBEM SER DE 50A E 60B.
3- A DISTÂNCIA ENTRE AS BARRAS DEBEM SER DE 10 CM.
4- O COBRIMENTO DEBEM SER DE 20 MPa.
5- O COBRIMENTO DEBEM SER DE 20 MPa.
6- O COBRIMENTO DEBEM SER DE 20 MPa.
7- O COBRIMENTO DEBEM SER DE 20 MPa.
8- O COBRIMENTO DEBEM SER DE 20 MPa.
9- O COBRIMENTO DEBEM SER DE 20 MPa.
10- O COBRIMENTO DEBEM SER DE 20 MPa.

0	EMISSÃO	INICIAL	DATA
			30/10/2014

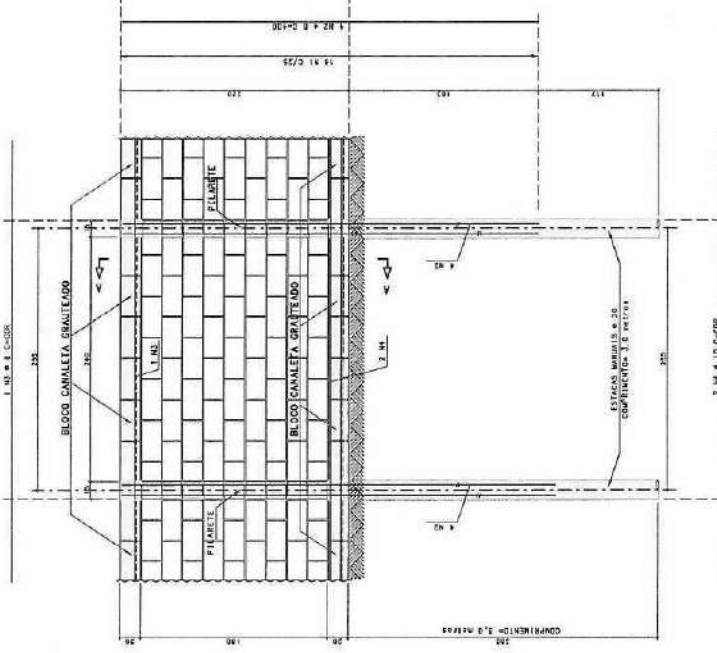
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CONSTRUTORA E PROJETOS
RUA...
FONE: 350413354-350 - FAX: 350413353-357
E-MAIL: iramtecnica@uol.com.br
www.iramtecnica.com.br

PROJETO: PROJETO DE TRANSPORTAÇÃO
PROPRIETÁRIO: FUNDO NACIONAL DE DESENVOLVIMENTO DA EDUCAÇÃO - FUNDE
AUTORIZAÇÃO: 012/2013
PROJETO: PROJETO DE TRANSPORTAÇÃO
PROPRIETÁRIO: FUNDO NACIONAL DE DESENVOLVIMENTO DA EDUCAÇÃO - FUNDE
AUTORIZAÇÃO: 012/2013
PROJETO: PROJETO DE TRANSPORTAÇÃO
PROPRIETÁRIO: FUNDO NACIONAL DE DESENVOLVIMENTO DA EDUCAÇÃO - FUNDE
AUTORIZAÇÃO: 012/2013

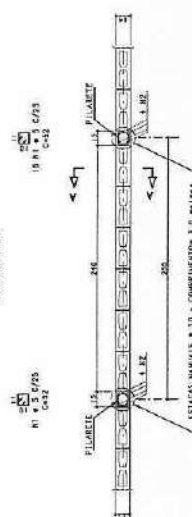
SEÇÃO A-A
ESCALA 1:25



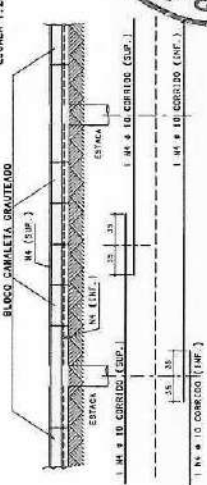
ELEVACÃO
ESCALA 1:25



DETALHE EM PLANTA
ESCALA 1:25



DETALHE DE EMENDA DAS BARRAS QUANDO NECESSÁRIO
ESCALA 1:25





PREFEITURA DE
PACATUBA



PROJETO ESTRUTURAL

PREFEITURA MUNICIPAL DE PACATUBA

R. Cel. João Carlos, Nº 345 – Centro

CEP. 61.801-215 - Pacatuba-CE



PREFEITURA DE
PACATUBA

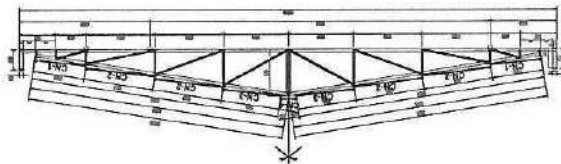


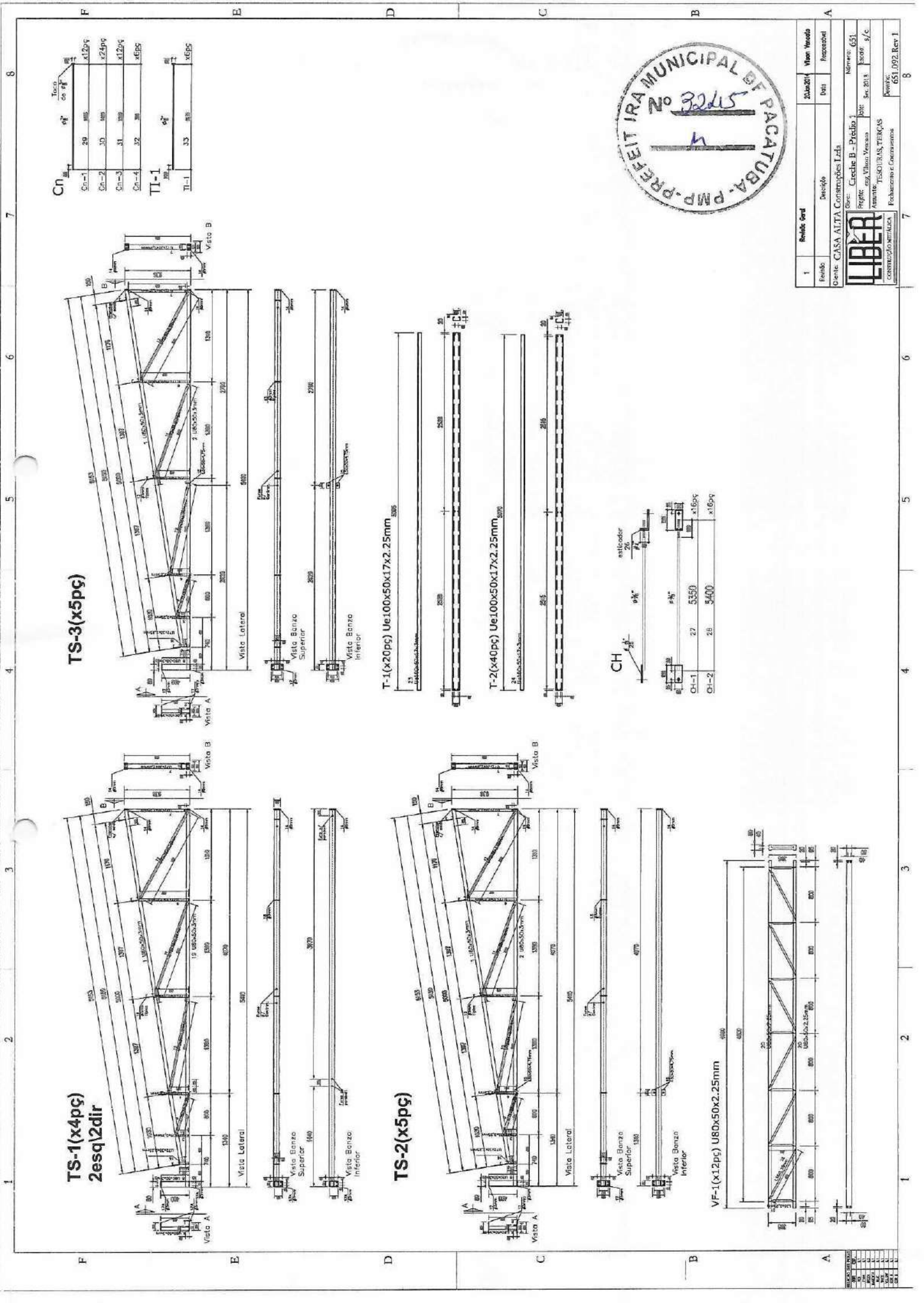
ESTRUTURA METÁLICA

PREFEITURA MUNICIPAL DE PACATUBA

R. Cel. João Carlos, Nº 345 – Centro

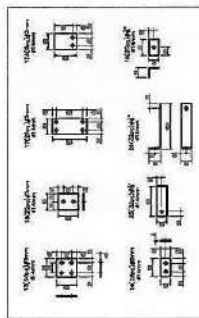
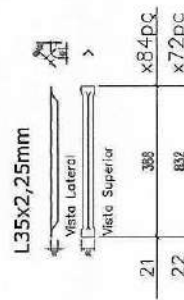
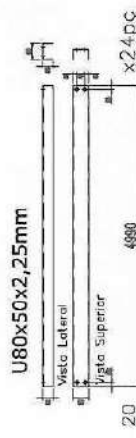
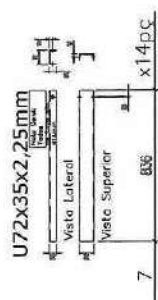
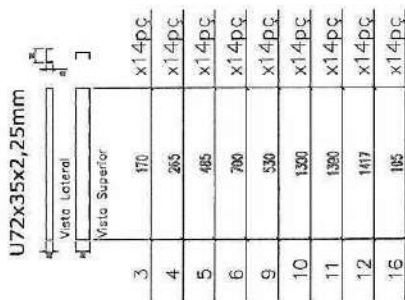
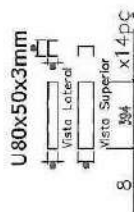
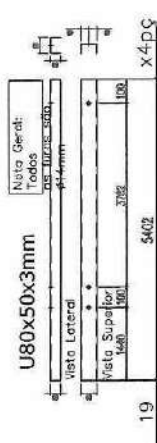
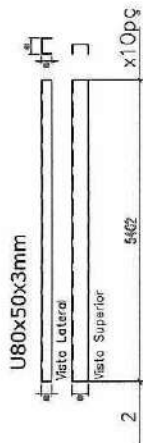
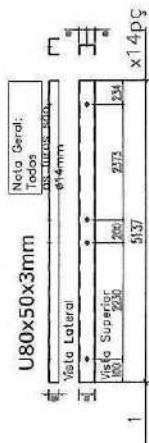
CEP. 61.801-215 - Pacatuba-CE

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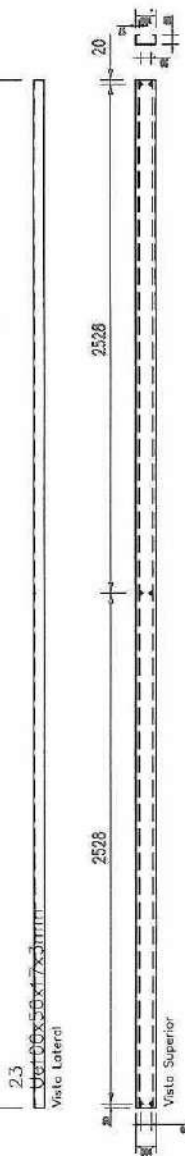


Revisão	Quando	Verificado	Responsável
1	Revisão	20/06/2014	20/06/2014

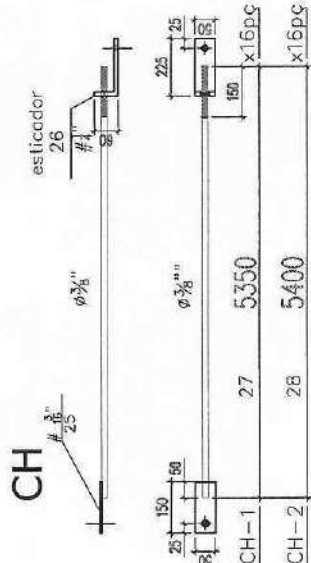
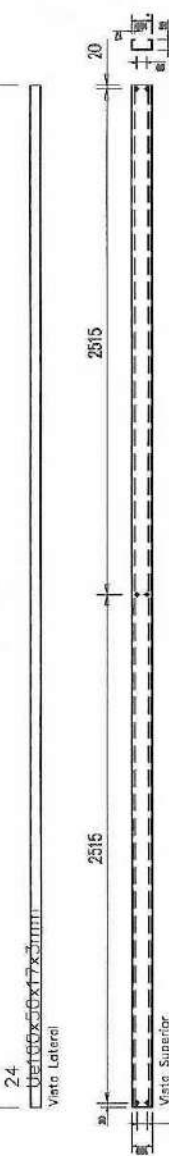
Projeto:	Cadea B - Prédio 1	Número:	651
Projeto:	Eng. Wilson Vencato	Projeto:	651
Projeto:	Eng. TOSOTRAS, TOSOTRAS	Projeto:	651
Projeto:	651.092 Rev 1	Projeto:	651



28(20pç) Ue100x50x17x2.25mm



29(x40pç) Ue100x50x17x2.25mm



Cn

Cn-1	29	1065	x12pç
Cn-2	30	1425	x24pç
Cn-3	31	1200	x12pç
Cn-4	32	350	x6pç

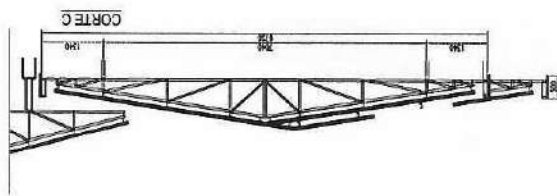
TI-1

TI-1	33	5130	x6pç
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Revista Geral	Revisão	Descrição	Data	Responsável

Empresa:	CASA ALTA Construções Ltda
Projeto:	Crescer B - Dúctil 1
Assunto:	CROQUIS DE FABRICAÇÃO
Revista:	651.03 Rev 1



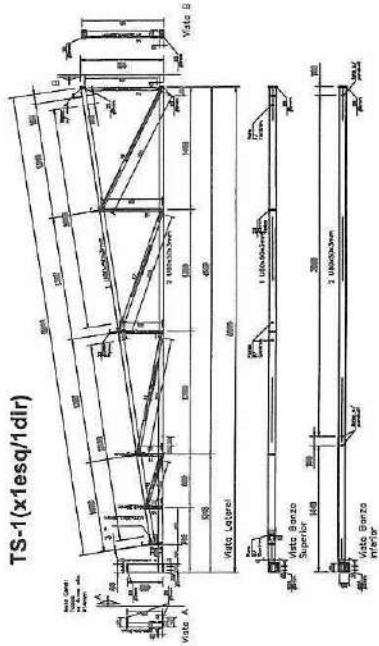
**Prédios 3 e 4
Conjunto de Montagem**

Prédios 3 e 4

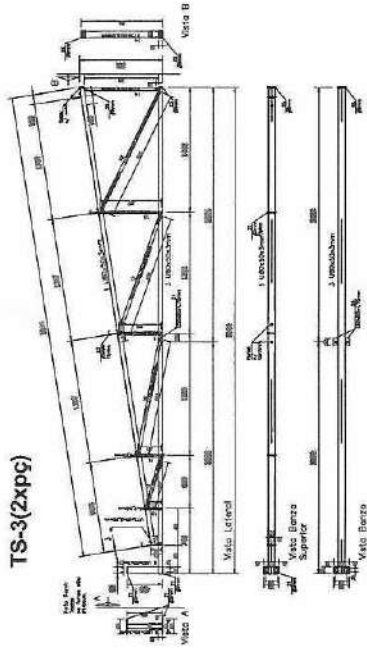
1	REVENIO GERAL				
Pedido	Descrição	Data	Vizão Versado	Respostas	
cliente: CASA ALTA Construções Ltda					
Liberar		Nº da ordem:			
Orcem:		Credito B Federação 3 de 4			
Projeto:		Eng. Vilmar Venturoso		09/08	s/c
Autorizado:		set. 2017/3			
Assunto: CONJUNTO DE MONTAGEM					
Lancamento das pagas					
CONSTRUÇÃO METALICA				Prestação	651,04 Rev. 1
					8
					7

LIBER
CONSTRUÇÃO METÁLICA

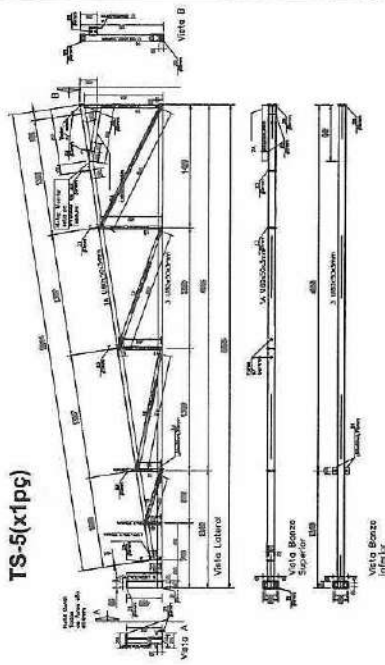
TS-1(x1esq/1dlr)



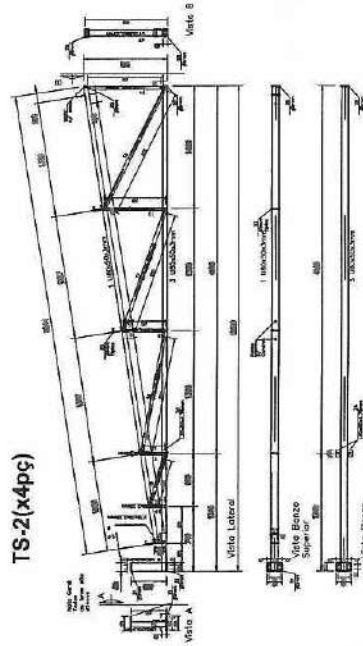
TS-3(2xpg)



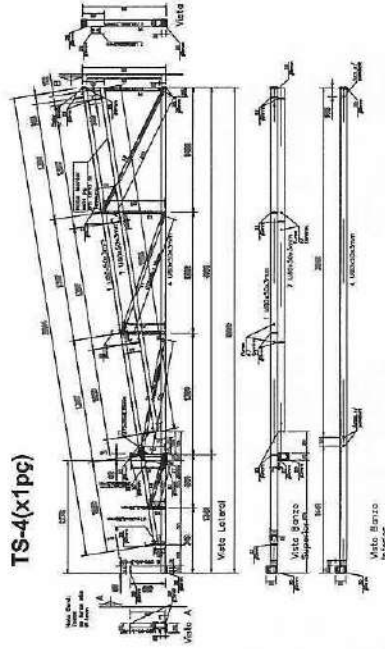
TS-5(x1pg)



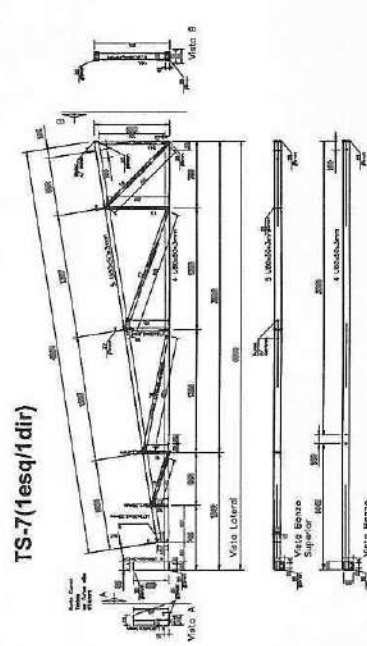
TS-2(x4pç)



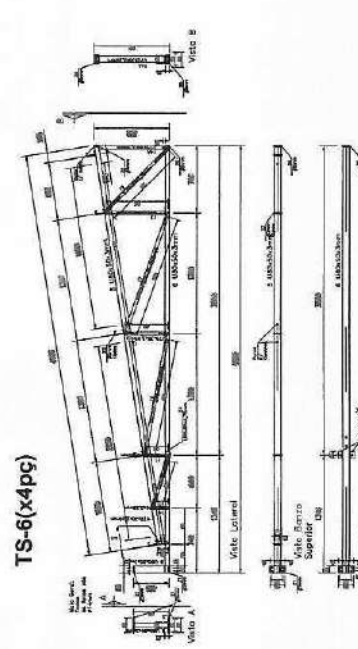
TS-4(x1pg)



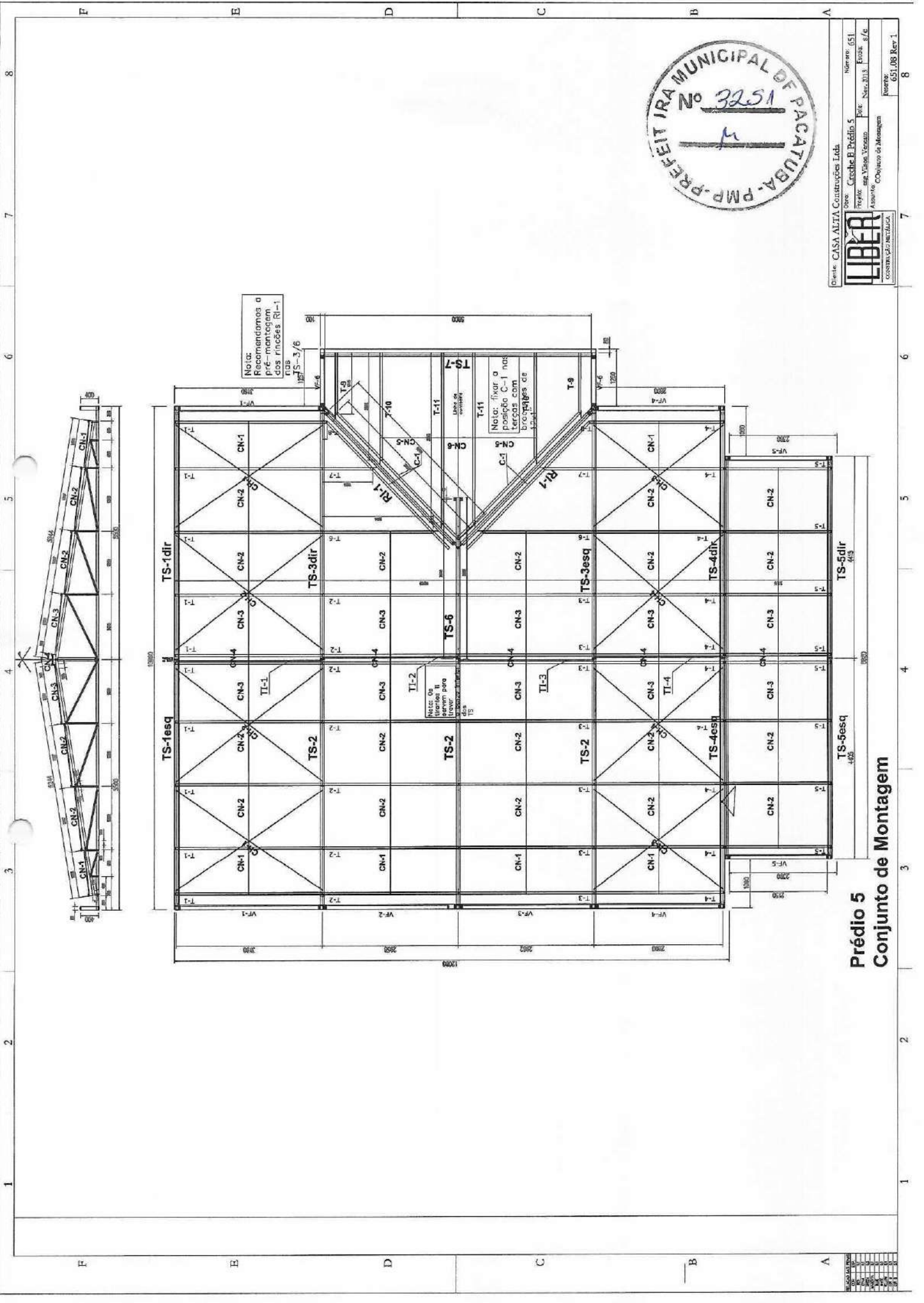
TS-7(1esq/1dir)



TS-6(x4pc)

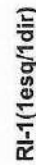
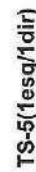
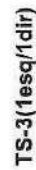
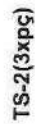
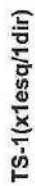
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LIBER CONSTRUÇÃO METÁLICA		7 8	
Cliente: CASA ALTA Construções Ltda		Nº da obra: 651	
Obra: Cachaça B Pedidos 3 e 4		Data: 04/03/2013	
Projeto: eng. Wilson Vescovo		Escala: s/c	
ARQUITETO:		Descrição: 651.07 Rev. 1	
Cópia de Fabricação			



Empresa: CASA ALTA Construções Ltda.			
Obras: Casa B Prédio 5	Número: 651	Assinatura: Eng. Vitor Veras	Assinatura: Eng. Vitor Veras
Projeto: Eng. Vitor Veras	Plano: 2113	Escala: 1/6	Assinatura: Eng. Vitor Veras
Assinatura: Eng. Vitor Veras	Assinatura: Eng. Vitor Veras	Assinatura: Eng. Vitor Veras	Assinatura: Eng. Vitor Veras
CONSTRUÇÃO METÁLICA			
Prédio 5			
Conjunto de Montagem			
Número: 651.08 Rev 1			

Prédio 5
Conjunto de Montagem



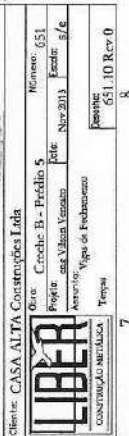
Cn	T _{max}					
	Q ₁ -1	Q ₁	Q ₂ -1	Q ₂	Q ₃ -1	Q ₃
Q ₁ -1	95	mm	4695			
Q ₂ -2	300	mm	5619			
Q ₃ -3	101	mm	4565			
Q ₄ -4	102	mm	4794			
Q ₅ -5	103	mm	4795			
Q ₆ -6	104	mm	4815			

T ₁	T ₂			
	T ₁ -1	T ₁ -2	T ₁ -3	T ₁ -4
T ₁ -1	105	mm	5815	
T ₂ -2	106	mm	4715	
T ₃ -3	107	mm	4815	
T ₄ -4	108	mm	4815	

II^g II-1 II-2 II-3 II-4

C-1 (x4pc)L50x3mm

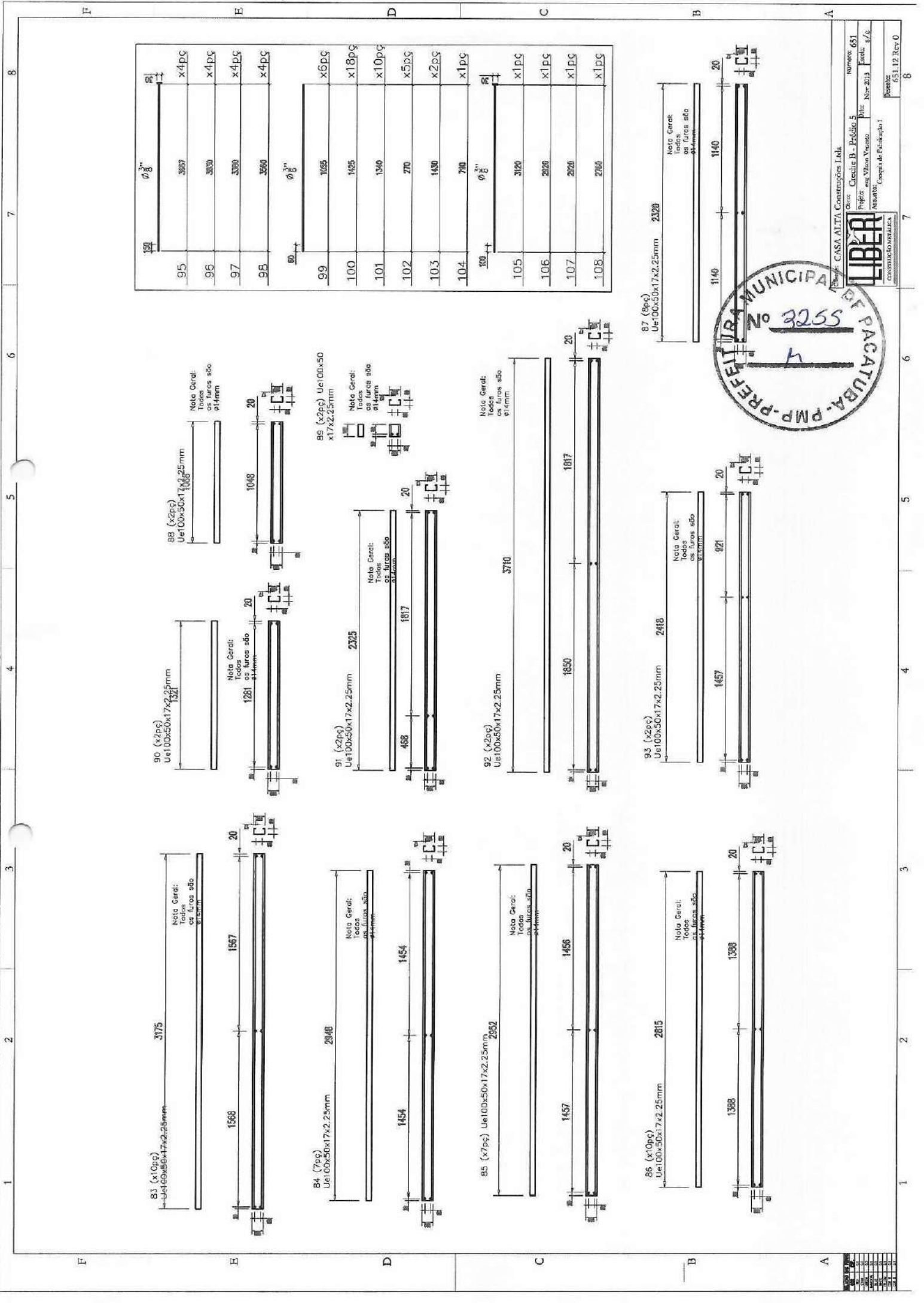


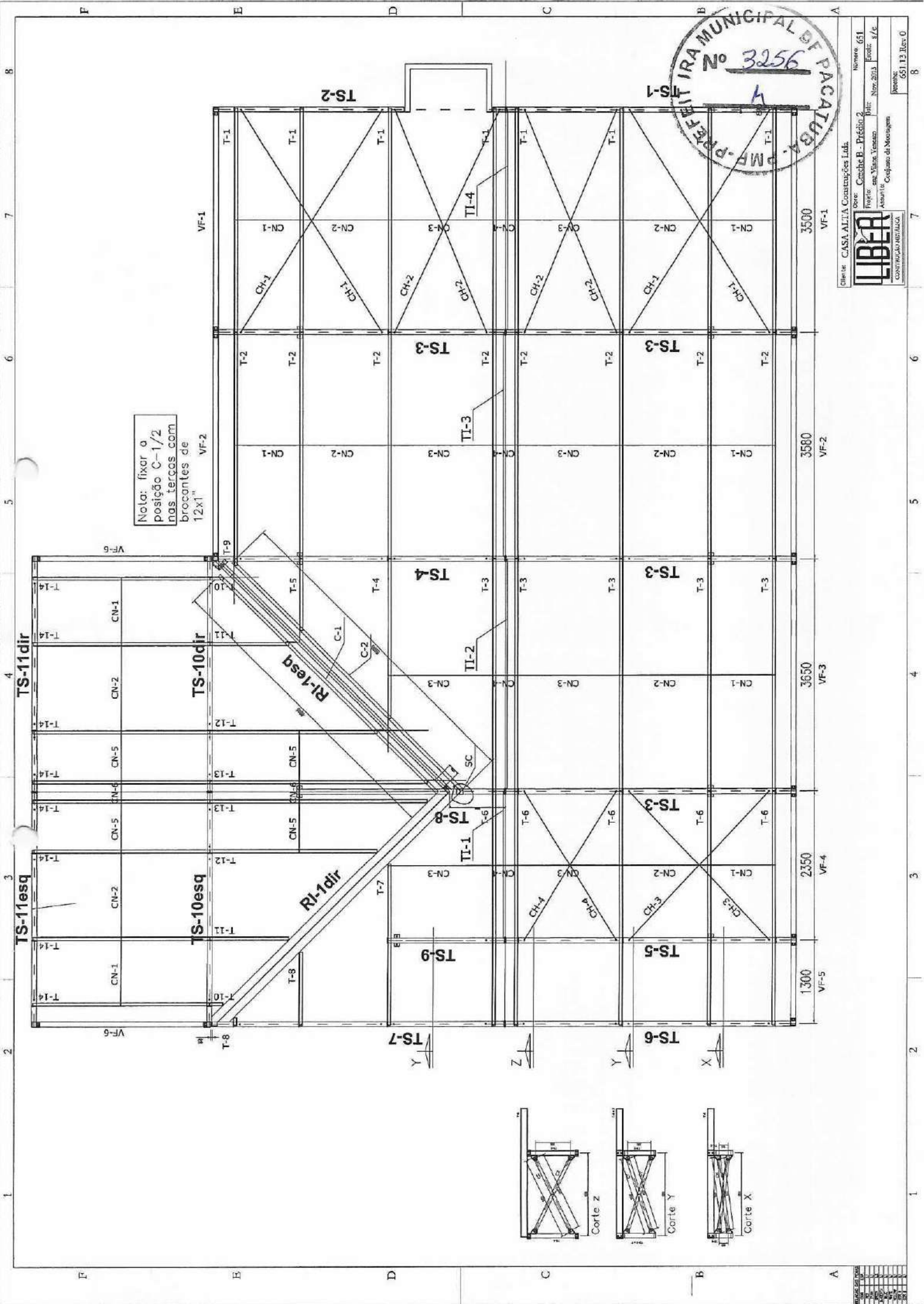


		1	2	3	4	5	6	7	8
F	U80x50x3mm	Nota Geral: Todos os furos são Ø4mm		Vista Lateral		Vista Superior		x9pç	
		1	100	230	200	2508	192	5228	
B	U80x50x3mm	Nota Geral: Todos os furos são Ø4mm		Vista Lateral		Vista Superior		x9pç	
		2	140	100	980	100	2780	92	5492
D	U80x50x3mm	Vista Lateral		Vista Superior		x10pç			
		10	396	x15pç	16	850			
		110	245	x2pç					
C	U80x50x3mm	Vista Lateral		Vista Superior		x2pç			
		3	4200	x1pç					
		6	3543	x1pç					
		7	3507	x1pç					
		4	4200	x2pç					
		8	2707	x2pç					
		9	6000	x2pç					
		36	3792	x2pç					
B	U80x50x3mm	Nota Geral: Todos os furos são Ø4mm		Vista Lateral		Vista Superior		x2pç	
		5	1725	100	2480	92		4397	
A	U80x50x3mm	Nota Geral: Todos os furos são Ø4mm		Vista Lateral		Vista Superior		x2pç	
		5	1725	100	2480	92		4397	
C	U80x40x2,25mm	Vista Lateral		Vista Superior		x4pç			
		71	3070	x4pç					
		72	2889	x2pç					
		73	2872	x2pç					
		74	2710	x4pç					
		75	2190	x4pç					
		76	1075	x4pç					
B	U80x50x3mm	Nota Geral: Todos os furos são Ø4mm		Vista Lateral		Vista Superior		x2pç	
		37	4000	x2pç					
A	U80x50x3mm	Nota Geral: Todos os furos são Ø4mm		Vista Lateral		Vista Superior		x2pç	
		37	4000	x2pç					
C	L35x2,25mm	Vista Lateral		Vista Superior		x46pç			
		77	388	x46pç					
		78	700	x4pç					
		79	830	x16pç					
		80	840	x2pç					
		81	630	x2pç					
		82	570	x4pç					
B	U72x35x2,25mm	Vista Lateral		Vista Superior		x2pç			
		26	90	x2pç					
		27	180	x2pç					
		28	310	x2pç					
		29	530	x2pç					
		30	680	x2pç					
		31	685	x2pç					
		32	1250	x2pç					
		33	1390	x2pç					
		66	265	x2pç					
		67	480	x2pç					
		68	540	x1pç					
		69	1220	x2pç					
		70	555	x2pç					
A	U72x35x2,25mm	Vista Lateral		Vista Superior		x2pç			
		43	530	x2pç					
		42	480	x2pç					
		41	405	x2pç					
		40	335	x2pç					
		39	260	x2pç					
		38	185	x2pç					
		48	630	x2pç					
		47	720	x2pç					
		46	675	x2pç					
		45	590	x2pç					
		44	580	x2pç					
F	U72x35x2,25mm	Vista Lateral		Vista Superior		x2pç			
		43	530	x2pç					
		42	480	x2pç					
		41	405	x2pç					
		40	335	x2pç					
		39	260	x2pç					
		38	185	x2pç					
		48	630	x2pç					
		47	720	x2pç					
		46	675	x2pç					
		45	590	x2pç					
		44	580	x2pç					



Projeto: 651
 Data: 05/11/2013
 Autor: [Nome]
 Revisor: [Nome]
 Aprovado: [Assinatura]
 Escala: 1:1

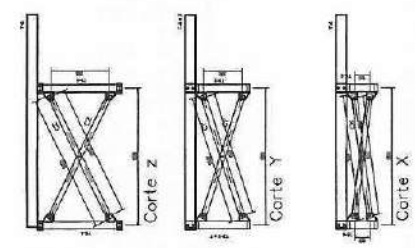


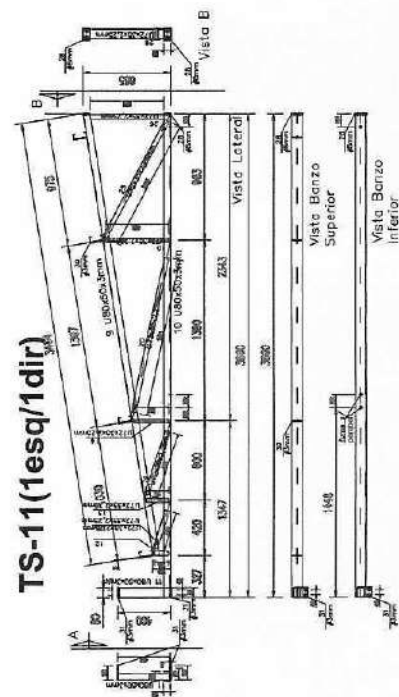
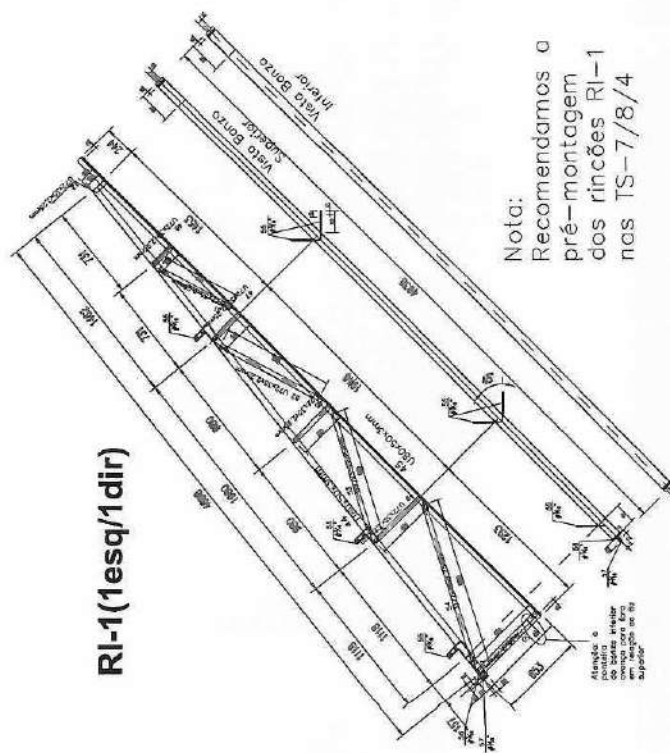
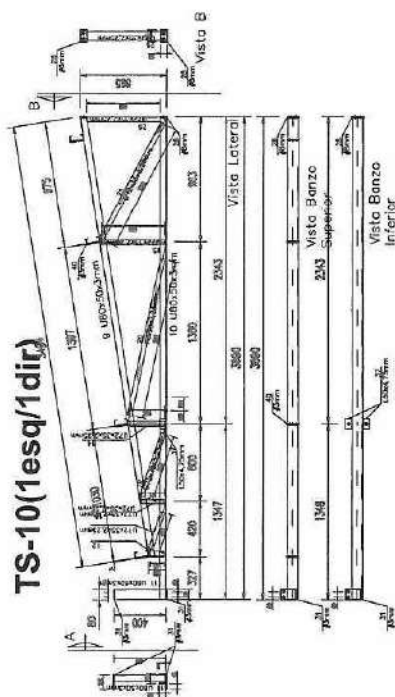
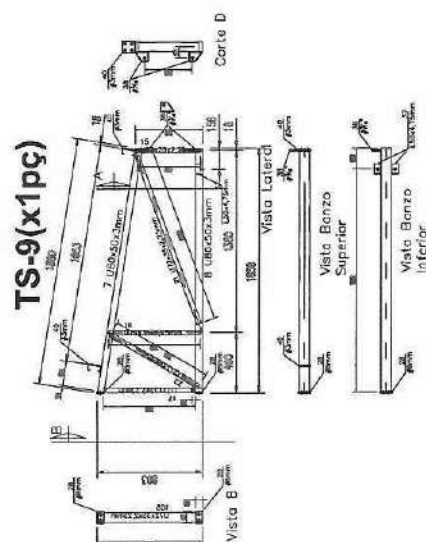
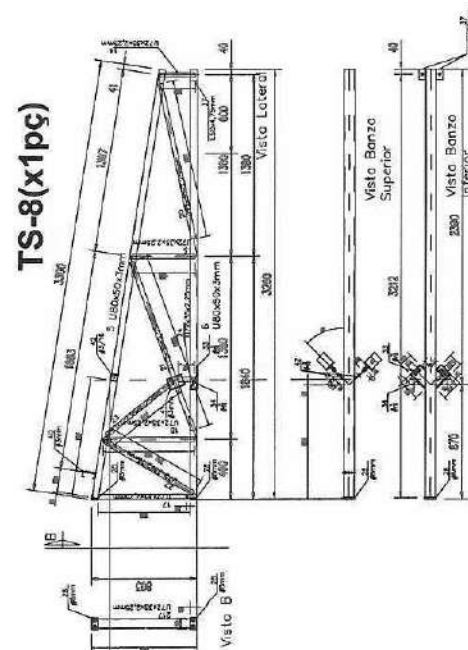


Cliente: CASA ALTA Construções Ltda.
Projeto: Creche B - Prédio 2
Assunto: Construção de Montagem

Numero	651
Data	10/07/2013
Revizor	S/C
Revisor	651.13 Rev-0

LIBERAR
CONSTRUÇÃO MECÂNICA

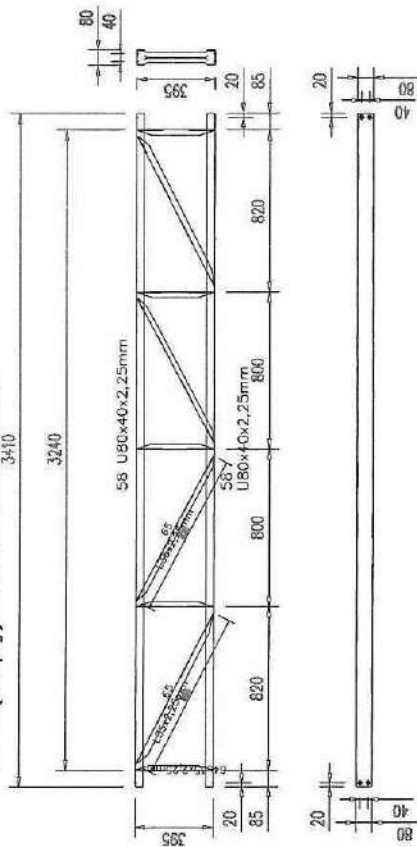




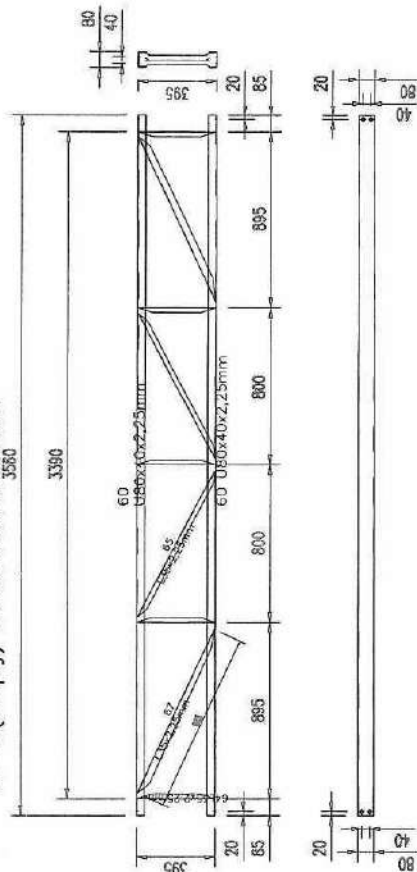
Nota:
Recomendamos a
pré-montagem
dos rincões RI-1
nas TS-7/8/4



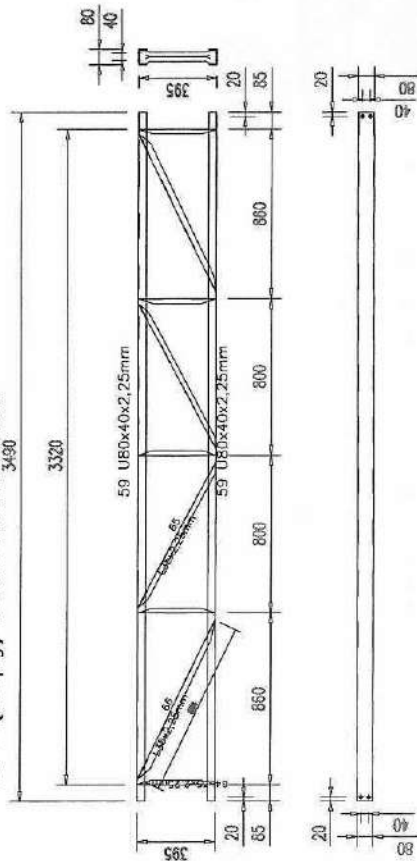
VF-1(x2pc) U80x40x2.25mm
3410



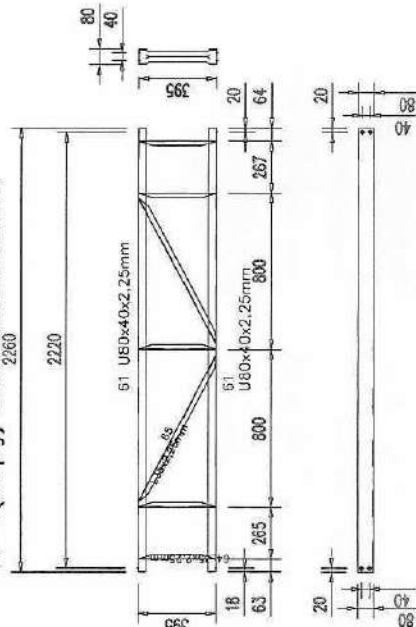
VF-3(x1pc) U80x40x2.25mm
3580



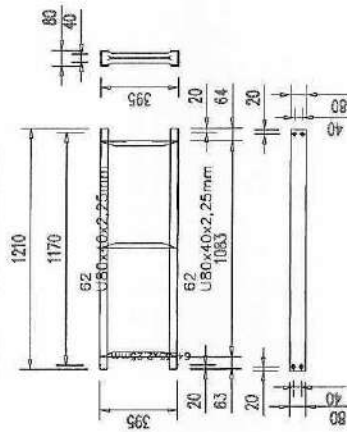
VF-2(x2pc) U80x40x2.25mm
3490



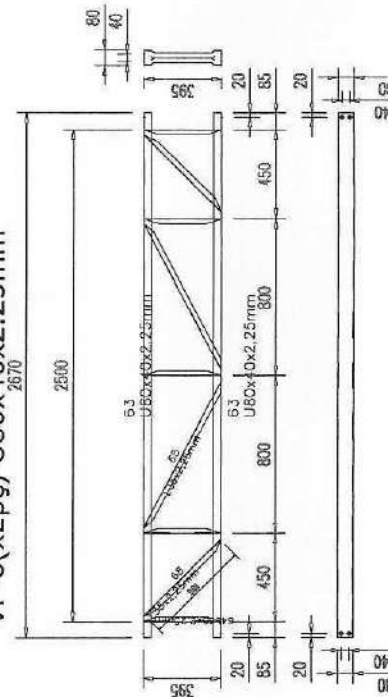
VF-4(x1pc) U80x40x2.25mm
2260



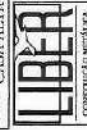
VF-5(x1pc)
U80x40x2.25mm

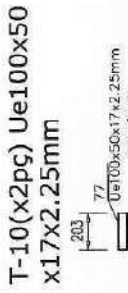
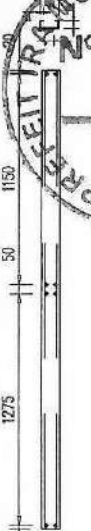
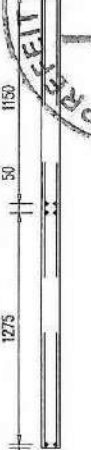
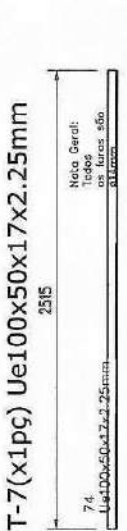
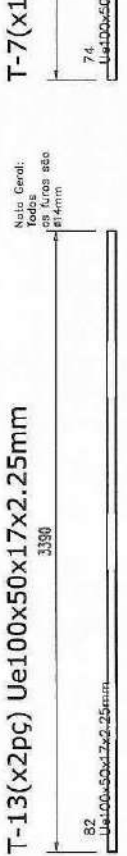
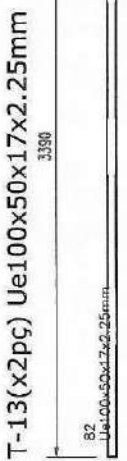
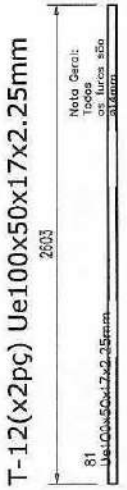
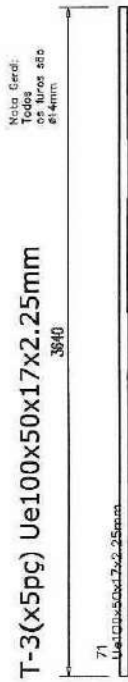
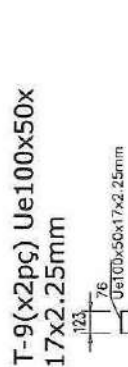
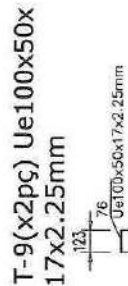
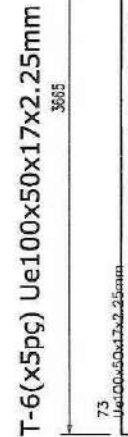
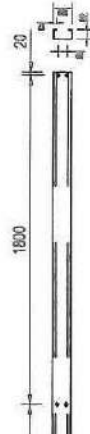
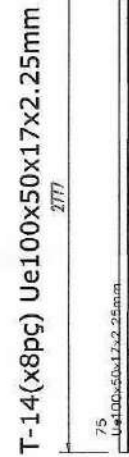


VF-6(x2pc) U80x40x2.25mm
2670



Cliente: CASA ALTA Construções Ltda
 Data: 06/06/2013
 Projeto: 3259
 Assunto: Projeto de Fundamento
 Nome: 651
 Data: 06/06/2013
 Assunto: 9/c
 Folha: 651/16 Rev 0
 8

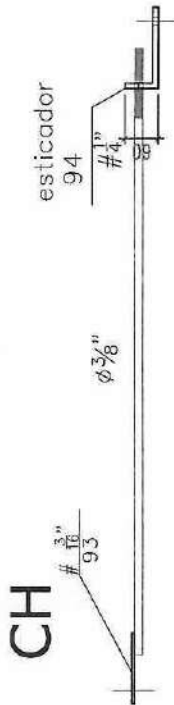




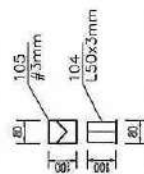
Cn

Cn	60	$\phi \frac{3}{8}$	Toco de $\phi \frac{3}{8}$	
Cn-1	83	1065	x8pç	
Cn-2	84	1430	x8pç	
Cn-3	85	1700	x8pç	
Cn-4	86	455	x4pç	
Cn-5	87	830	x4pç	
Cn-6	88	410	x2pç	

CH



SC(x1pç)



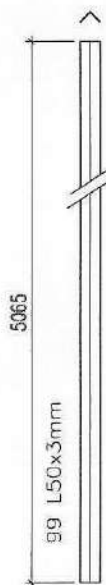
Patilha de apoio dos C-2 sobre a TS-8

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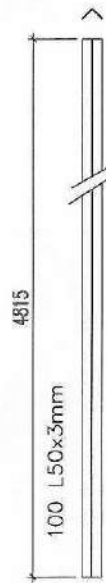
TI

	100	$\phi \frac{3}{8}$	
TI-1	89	2310	x1pç
TI-2	90	3610	x1pç
TI-3	91	3540	x1pç
TI-4	92	3460	x1pç

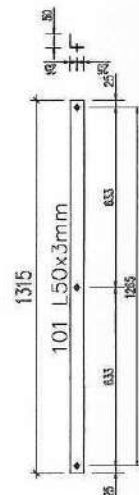
C-1 (x2pç)L50x3mm



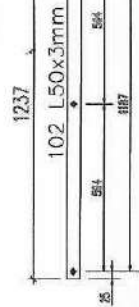
C-2 (x2pç)L50x3mm



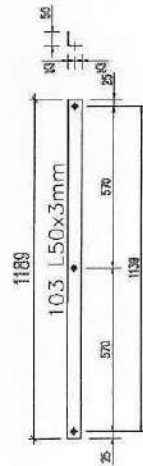
CZ (x2pç)L50x3mm



CY (x4pç)L50x3mm

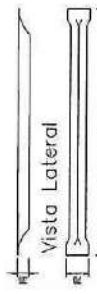


CX (x2pç)L50x3mm





L35x2,25mm



100	$\varnothing \frac{3}{8}$	
80	2310	x1 pc
90	3610	x1 pc
91	3540	x1 pc
92	3460	x1 pc

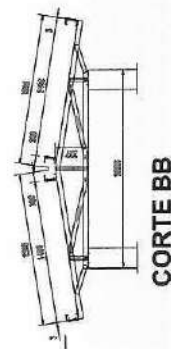
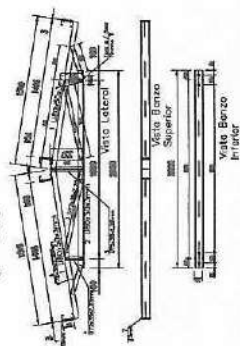
	$\phi \frac{3}{8}$ "		
95	3940	150	x4pç
96	3600		x4pç
97	3030		x2pç
98	2570		x2pç



Cliente: CASA ALTA Construções Ltda

Quot: Creche B - Prédio 2	Número: 651
Projeto: com Wilson Vercato	Projeto: s/c
Assunto: Croqui de Estruturação 3	Desenho: 651.21 Rev 0
	8

Croquis de fabricação e montagem

[illegible]

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