

Sistema

EcoLine 2.5<sup>®</sup>

# MANUAL TÉCNICO

Esquadrias Convencionais



Construção Civil - 1ª Edição  
Maio - 2018



**PERFIL**

O ALUMÍNIO DO BRASIL

EXTRUSÃO - ANODIZAÇÃO - PINTURA





## ATENÇÃO

Observe as Instruções e Recomendações do Manual Técnico

Este Manual é parte integrante do Sistema Construtivo em Alumínio EcoLine 2.5 desenvolvido pela Perfil Alumínio do Brasil S.A. e contém as informações para o correto procedimento de fabricação e montagem das peças de Esquadrias.



A fabricação e instalação de Esquadrias em alumínio devem ser conduzidas por profissionais com reconhecida experiência no mercado.



A composição das peças de Esquadrias e ou Fachadas devem obedecer rigorosamente as orientações e recomendações constantes neste Manual Técnico. Eventuais dúvidas ou necessidade de informações adicionais devem ser solicitadas por escrito ao corpo técnico da Perfil Alumínio do Brasil S.A.



A Legislação Brasileira estabelece que elementos aplicados à Construção Civil requer ciência, acompanhamento e responsabilidade técnica de Engenheiro Civil Pleno, devidamente graduado.



A Perfil Alumínio do Brasil S.A. não se responsabiliza pelos desdobramentos do uso indevido dos perfis, montagem, instalação e ou quaisquer outras formas de aplicação das peças, que não obedeçam rigorosamente as recomendações deste Manual Técnico.





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# COMPLEXO INDUSTRIAL VIANA - ES

Mais de 20 mil m<sup>2</sup> de área construída

Criada em 1995, a **Perfil Alumínio** tem conquistado ao longo dos anos, destaque reconhecido entre as **melhores empresas** do setor.

Em **perfeita sintonia** com um mercado extremamente exigente, a Perfil Alumínio do Brasil S.A. desafia o óbvio e estabelece um novo paradigma de atendimento, com operações centralizadas na capital do estado do Espírito Santo.

Com unidades instaladas em **Vila Velha** e **Viana**, ambas na região metropolitana de Vitória (ES) a empresa emplaca a estratégia de ocupar espaços fora do eixo Rio-São Paulo, estabelecendo assim uma **excelente opção de abastecimento de perfis extrudados de alumínio** para os principais mercados emergentes do país.



Viana  
2013



Vila Velha  
1995



Vila Velha  
2017

## VALORES ESTRATÉGICOS

ATENDER AS NECESSIDADES DOS CLIENTES ATRAVÉS DE SOLUÇÕES EM ALUMÍNIO E PRODUTOS PARA CONSTRUÇÃO CIVIL, INDÚSTRIAS, ENERGIA SOLAR, SETORES DE TRANSPORTES E MOVELEIRO, DESENVOLVENDO PARCERIAS DURADOURAS.



SER A MELHOR EMPRESA DO BRASIL NO SEGMENTO DE EXTRUDADOS DE ALUMÍNIO E TRATAMENTO DE SUPERFÍCIE.

CONCEITOS QUE CREMOS E DEFENDEMOS

<b>CLIENTES</b>
COMPROMISSO NO ATENDIMENTO E NA SATISFAÇÃO DOS CLIENTES
<b>PAIXÃO</b>
PAIXÃO PELO QUE FAZEMOS
<b>ÉTICA</b>
DESENVOLVER RELAÇÕES DE CONFIANÇA, PAUTADAS NA RESPONSABILIDADE E TRANSPARÊNCIA DAS ATITUDES
<b>VALORIZAÇÃO DAS PESSOAS</b>
RESPEITO ÀS PESSOAS; TRABALHO EM EQUIPE RECONHECIMENTO DO TRABALHO
<b>PARCERIAS DURADOURAS</b>
PARCERIAS COM CLIENTES, FORNECEDORES E COLABORADORES
<b>PONTUALIDADE</b>
CUMPRIMENTO DOS PRAZOS ESTABELECIDOS AOS CLIENTES PONTUALIDADE COM OS FORNECEDORES
<b>SUSTENTABILIDADE</b>
RESPONSABILIDADE SOCIAL, ECONÔMICA E AMBIENTAL
<b>EMPREDEDORISMO</b>
CRESCER COM CORAGEM PARA FAZER, INOVAR E INVESTIR



# EXTRUSÃO

Linha Automática Completa

SISTEMA EFICIENTE E EQUIPE  
ALTAMENTE PREPARADA

## TOTALMENTE PLANEJADA - P20 DE 7"

- 2.000 TON. DE FORÇA, BILLETS 178 MM
- PRINCIPAIS LIGAS DE TÊMPERAS
- MESA DE SAÍDA, HANDLING DE 50 METROS DE COMPRIMENTO
- ESTICADEIRA COM CORREÇÃO ELETRÔNICA (TRACK LOS)
- PERFIS COMPLEXOS E COM MEDIDAS ESPECIAIS
- FORNO DE 16 METROS
- DEPARTAMENTO DE PROJETOS E DESENVOLVIMENTO DE FERRAMENTAS
- PERFIS DE GRANDES DIMENSÕES
- SUPERFÍCIES CONSTANTES E PRECISÃO DIMENSIONAL

PERFIS DESTINADOS A TODAS  
AS APLICAÇÕES:

- CONSTRUÇÃO CIVIL
- INDÚSTRIA E PEÇAS
- LINHA MOVELEIRA
- SETOR DE TRANSPORTES
- ENERGIA SOLAR

FERRAMENTARIA  
DE CORREÇÃO E  
NITRETAÇÃO PRÓPRIA



# ANODIZAÇÃO

Tratamento de Superfície



## PROCESSOS TECNOLÓGICOS E PADRÃO MUNDIAL

- TRATAMENTO ANÓDICO POR IMERSÃO (FLASH ANODIZING)
- CAPACIDADE PARA 600 TON./MÊS
- PERFIS COM ATÉ 6,8 METROS
- GARANTIA ASSEGURADA DE 5 ANOS
- PROCESSO HOMOLOGADO POR INSTITUTOS OFICIAIS
- 28 TANQUES SEQUENCIAIS
- TONALIDADES FIRMES COM SELAGEM INSTANTÂNEA
- OPÇÃO DE ACABAMENTO ACETINADO
- ALTA FIDELIDADE AOS PADRÕES DAS TEXTURAS

### CARACTERÍSTICAS

CAMADA ANÓDICA

SOLIDEZ E LUZ (UV)

SELAGEM

CORROSÃO ATMOSFÉRICA

### MÉTODO DE ENSAIO

NBR 12610, ASTM-B 244 (Eddy Current)

NBR 12612, ISO 6581, ASTM-G 26/77

NBR 9423, ISO 3210 (Pedra de massa)  
NBR 12613, ISO 2143, ASTM-B 136

NBR 8094, ASTM-B 117 (Salt Spray)

LABORATÓRIO PRÓPRIO  
CONTROLE DE PROCESSOS,  
QUALIDADE E SERVIÇO



# PINTURA

Cabine de Pintura Eletrostática

SISTEMA POWDER COAT

## CABINE LINEAR CONTÍNUA

- CAPACIDADE PARA 600 TON./MÊS
- PERFIS DE ATÉ 7 METROS
- PADRÃO DE CORES RAL
- PROCEDIMENTO QUALICOAT
- BRITISH STANDART 6496
- ABNT 14125 E NORMAS COMPLEMENTARES
- RIGOROSA GESTÃO DA QUALIDADE - PERFIL
- SECAGEM INFRA-RED
- MAIOR E MELHOR ADERÊNCIA DE LAVAGEM
- PROCESSO NORMATIZADO E CERTIFICADO
- AMPLA GAMA DE CORES E TEXTURAS
- ACABAMENTO PERFEITO

A DISTRIBUIÇÃO PELO EFEITO CORONA E A SECAGEM INFRAVERMELHO POR MICRO-ONDAS PERMITEM MELHOR ADERÊNCIA EM UM ASPECTO ESTÉTICO MAIS SOFISTICADO.

NOVA CABINE DE  
PINTURA VERTICAL  
EM 2018



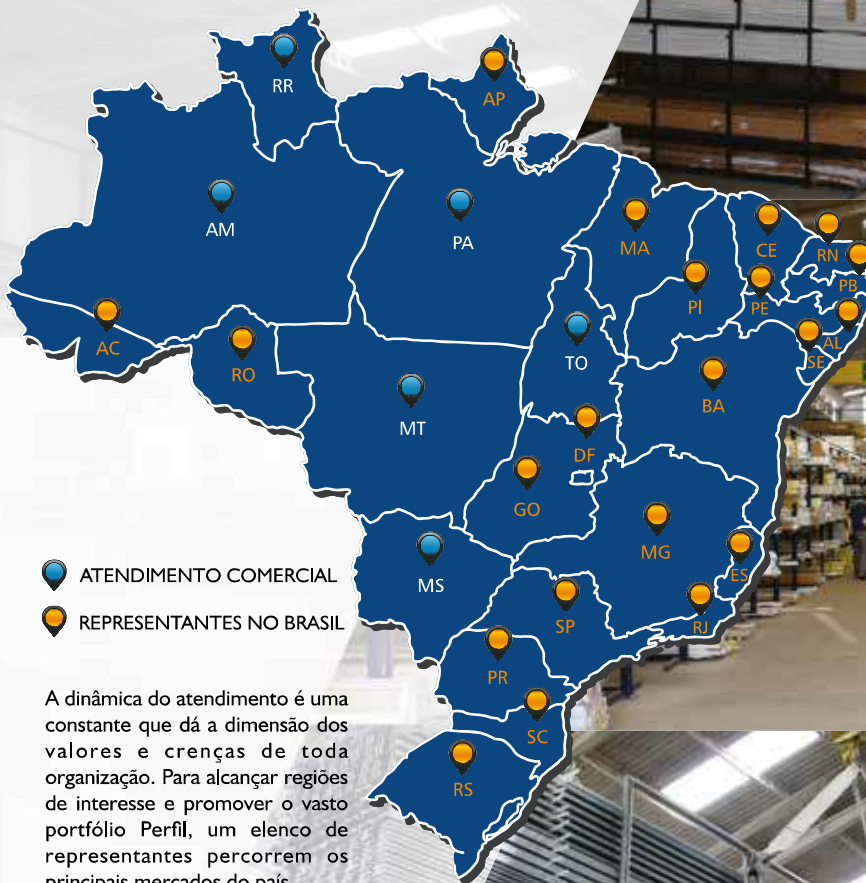


# DISTRIBUIÇÃO

Estoque à Pronta Entrega

PLANEJAMENTO E LOGÍSTICA  
PARA UM COMPLETO ATENDIMENTO

ATENDIMENTO PARA  
TODO O BRASIL



- ATENDIMENTO COMERCIAL
- REPRESENTANTES NO BRASIL

A dinâmica do atendimento é uma constante que dá a dimensão dos valores e crenças de toda organização. Para alcançar regiões de interesse e promover o vasto portfólio Perfil, um elenco de representantes percorrem os principais mercados do país.

- Perfis de Alumínio e materiais construtivos
- 6 mil m<sup>2</sup> de armazenagem
- Mais de 4 mil itens em estoque
- Opção de perfis in natura, pintados ou anodizados
- Todas as linhas abertas e convencionais
- Acessórios e componentes





# CTP - CENTRO DE TREINAMENTO

Na unidade de Vila Velha, fica o showroom com os principais sistemas e também a nova câmara de teste de estanqueidade à água.



Além de cuidar da inteligência conceitual, a Perfil adotou uma postura de interação presencial em relação aos fabricantes de esquadrias e serralheiros. O tratamento com esse público é de incrível estima. O Centro de Distribuição em Vila Velha, passou por uma remodelação total e o ambiente foi redecorado para oferecer mais conforto aos clientes. Em outra esfera, o CTP é a base para que novas tecnologias, produtos e serviços tomem forma em caráter oficial. A formação profissional, a cooperação das parcerias, são formalizadas em eventos de atualização e cursos técnicos regulares.

## DEPARTAMENTO TÉCNICO

O ponto forte da Perfil Alumínio é seu departamento de suporte, com toda uma estrutura de engenheiros, arquitetos, projetistas e orçamentistas, disponíveis para oferecer respostas rápidas aos clientes.

Um corpo técnico capaz de dialogar em nível de igualdade com grandes construtoras e empreiteiras do país, com amplo conhecimento e total domínio de sistemas construtivos destinados a fechamento de vãos e coberturas.

Tudo funciona como uma consultoria, a equipe técnica faz projetos de esquadrias, dimensiona a aplicação de componentes, ministra treinamentos e orienta especificadores de obras.

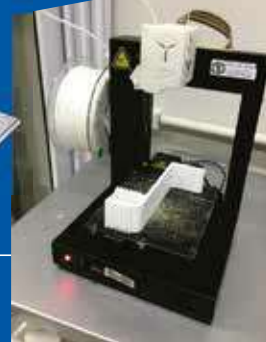


## SUORTE TÉCNICO

Detalhamentos em 3D



Impressora 3D



# SISTEMAS CONSTRUTIVOS EXCLUSIVOS



Atendem as normas ABNT  
NBR 10.821, NBR 15.575 e NBR 14.718

Sistemas para: Caixilhos, Fachadas, Guarda-Corpos,  
Energia Solar, Setor de Transportes e Moveleiro

DESEMPENHO  
ACÚSTICO



DESEMPENHO DE  
ESTANQUEIDADE  
À AGUA



DESEMPENHO DE  
PERMEABILIDADE  
AO AR



DESEMPENHO  
ESTRUTURAL



Testados em:



**EcoLine 1.6**<sup>®</sup>

O produto da habitação social

**EcoLine 2.5**<sup>®</sup>

Esquadrias convencionais

**UNION**<sup>®</sup>

Esquadrias convencionais

**chroma**<sup>®</sup>

Esquadrias de alto padrão

**EuroSHOW**<sup>®</sup>

Câmara Européia  
Alçante

**CUST·K**

Janela Acústica para todos

**GradLine**<sup>®</sup>

Gradis, Guarda-corpos e Portões

**ECOGRID**<sup>®</sup>

Fachada Grid

**EcoStick**<sup>®</sup>

Fachada Stick

**WALLFrame**<sup>®</sup>

Fachada Unitizada

**PERFIL Bond**<sup>®</sup>

Painel de Alumínio Composto

**PERFIL SOLAR** 

Sistemas de Estruturas de alumínio  
para fixação de painel fotovoltaico

**MOVELEIRA**

Perfis de alumínio para móveis

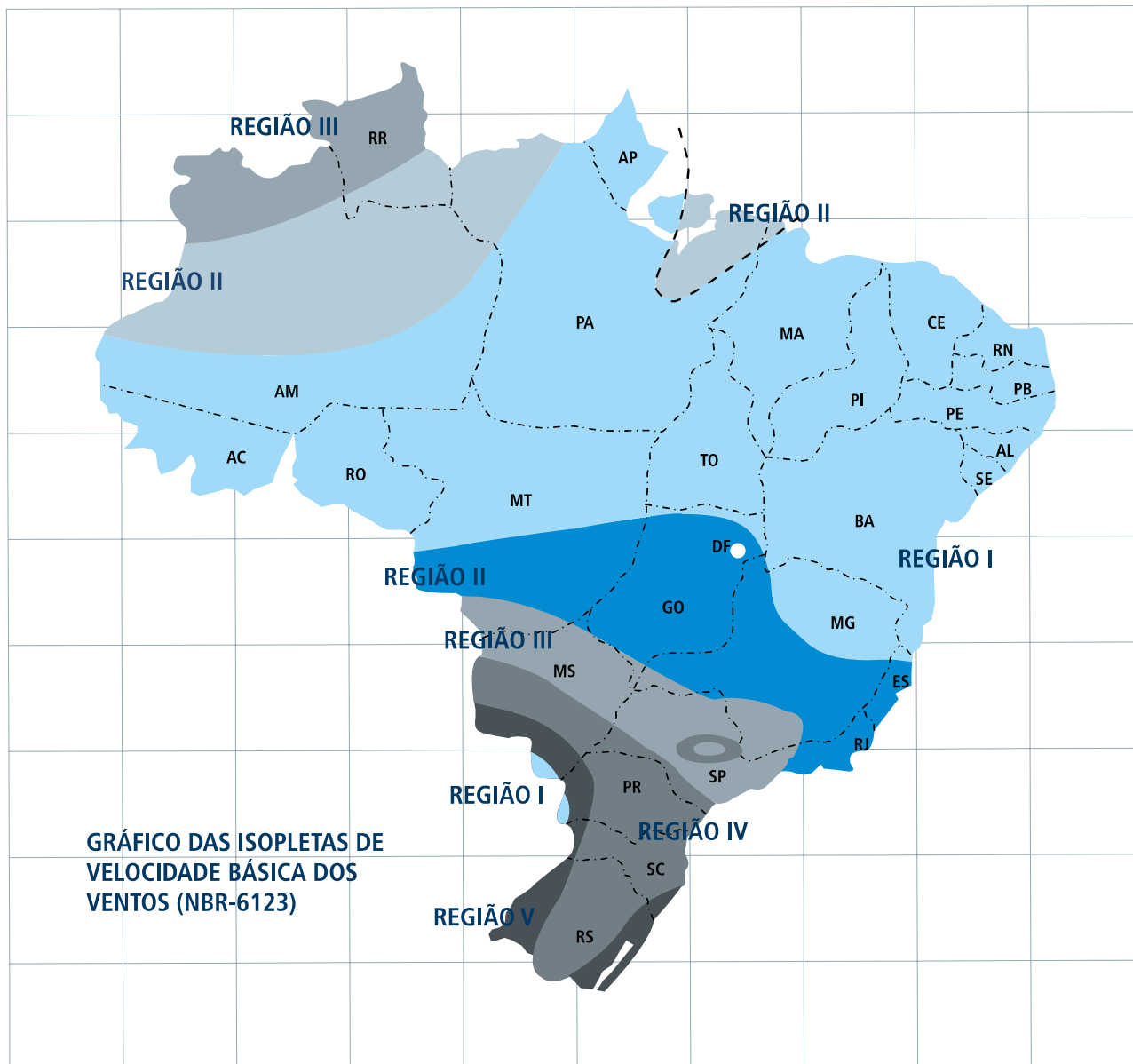
**IMPLEMENTOS  
RODOVIÁRIOS**

Perfis de alumínio para transportes



Determinação da pressão de ventos que deve ser aplicada na esquadria conforme o local da edificação

1. Identifique no Mapa das Isopletas, a velocidade dos ventos característica da região da edificação.



Região		velocidade		pressão	
		m/s	km/h	kg/m <sup>2</sup>	PA
	I	30	108	77	756
	II	35	126	105	1030
	III	40	144	137	1345
	IV	45	162	173	1698
	V	50	180	214	2100

Nota: adotado para cálculo escala internacional de **BEAUFORT**

2. Com a Região encontrada no gráfico das isopletras, verifique na tabela abaixo a Pressão de Ensaio compatível com a Altura ou Quantidade de pavimentos de sua edificação (Atenção: ver nota "A" abaixo);

Tabela de pressão de ensaio para cargas uniformemente distribuídas					
Quantidade de pavimentos	Altura máxima	Região do País	Pressão de ensaio $P_e$ , em (Pa) Positiva e negativa $P_e = P_p \times 1,2$	Pressão de segurança $P_s$ , em (Pa) Positiva e negativa $P_s = P_e \times 1,5$	Pressão de água $P_a$ , em (Pa) $P_a = P_p \times 0,20$
02	6 m	I	350	520	60
		II	470	700	80
		III	610	920	100
		IV	770	1160	130
		V	950	1430	160
05	15 m	I	420	640	70
		II	580	860	100
		III	750	1130	130
		IV	950	1430	160
		V	1180	1760	200
10	30 m	I	500	750	80
		II	680	1030	110
		III	890	1340	150
		IV	1130	1700	190
		V	1400	2090	230
20	60 m	I	600	900	100
		II	815	1220	140
		III	1060	1600	180
		IV	1350	2020	220
		V	1660	2500	280
30	90 m	I	660	980	110
		II	890	1340	150
		III	1170	1750	200
		IV	1480	2210	250
		V	1820	2730	300

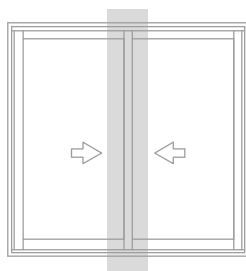
3. Com a "Pressão de Ensaio" encontrada, é possível verificar nas páginas dos "Gráficos de Desempenho", as medidas máximas de largura e altura para as tipologias existentes em sua edificação. Para isso, ligue o eixo de largura ou de altura na curva referente à pressão de ensaio requerida e verifique a dimensão máxima correspondente (Atenção: ver nota "B" abaixo).

#### NOTAS:

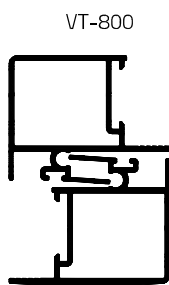
- a) Para os edifícios com especificações, localização, necessidades e exigências especiais de utilização, deve ser consultada a norma **ABNT NBR-6123** para a determinação da "Pressão de Ensaio" ( $P_e$ ) a ser adotada, prevalecendo como mínimos os valores da tabela acima. Fachadas cortinas e coberturas também devem ser projetadas e especificadas, quanto às pressões de vento, conforme a **ABNT NBR-6123**. Os projetos e cálculos estruturais pertinentes a estas tipologias devem ser assumidos por profissional técnico habilitado;
- b) Nos gráficos de desempenho a seguir, foram considerados os valores de "Pressão de Ensaio" e "Pressão de Segurança", de acordo com a norma **ABNT NBR-10821**, para fachadas entre vãos;
- c) A espessura mínima do vidro deve ser calculada utilizando-se o valor da "Pressão de Segurança" requerida para a esquadria (para maiores informações consultar a **ABNT NBR-10821 - Partes 2 e 3**).



## JANELA DE CORRER 2 FOLHAS



SEM ESCALA



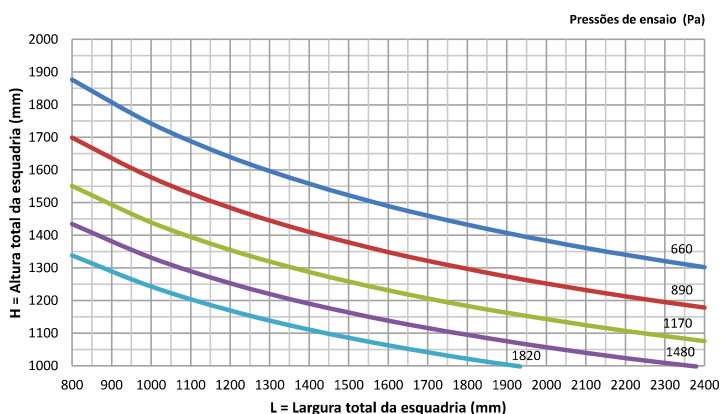
VT-799

### VT-800

JX:	2,4615 cm <sup>4</sup>
WX:	1,3965 cm <sup>3</sup>

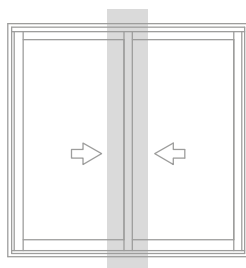
### VT-799

JX:	3,3329 cm <sup>4</sup>
WX:	1,6765 cm <sup>3</sup>

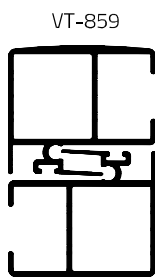


Momento de Inércia - Jx total = 5,7944 cm<sup>4</sup>  
Módulo de Resistência - Wx total = 3,0730 cm<sup>3</sup>

## JANELA DE CORRER 2 FOLHAS



SEM ESCALA



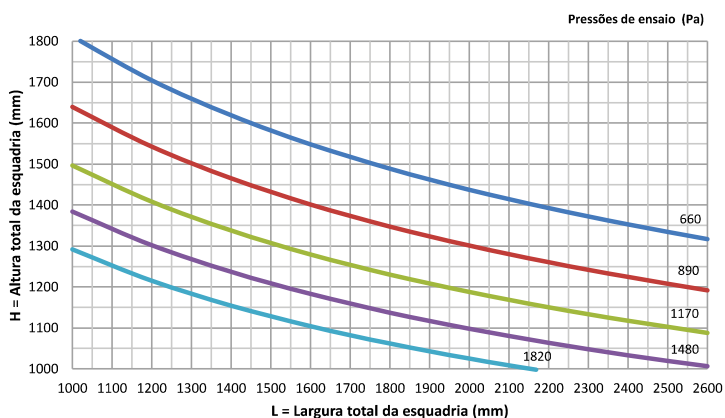
VT-859

### VT-859

JX:	3,2530 cm <sup>4</sup>
WX:	1,7226 cm <sup>3</sup>

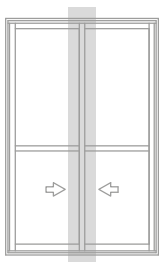
### VT-859

JX:	3,2530 cm <sup>4</sup>
WX:	1,7226 cm <sup>3</sup>



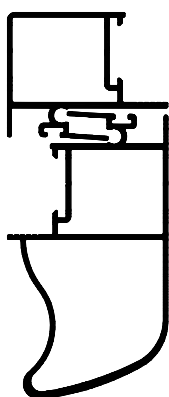
Momento de Inércia - Jx total = 6,5060 cm<sup>4</sup>  
Módulo de Resistência - Wx total = 3,4452 cm<sup>3</sup>

## PORTA DE CORRER 2 FOLHAS



SEM ESCALA

VT-800



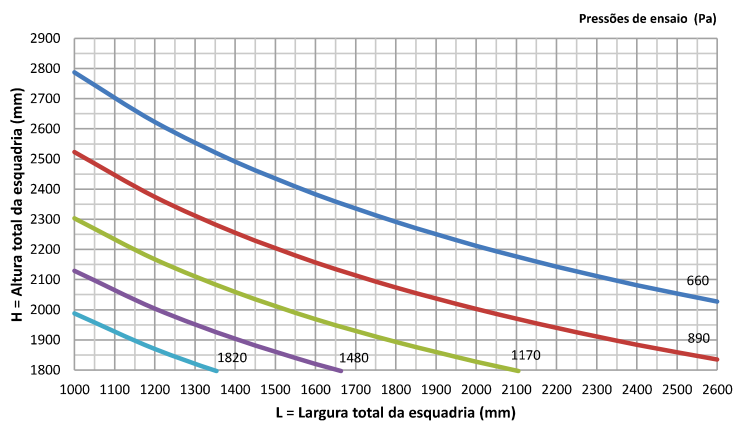
VT-797

### VT-800

JX:	2,4615 cm <sup>4</sup>
WX:	1,3965 cm <sup>3</sup>

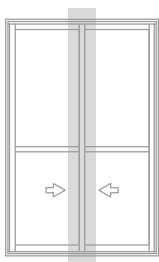
### VT-797

JX:	21,2549 cm <sup>4</sup>
WX:	5,4441 cm <sup>3</sup>



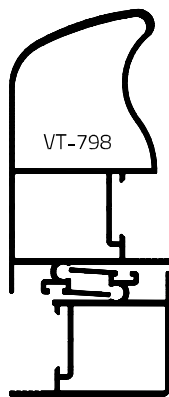
Momento de Inércia - Jx total = 23,7164 cm<sup>4</sup>  
Módulo de Resistência - Wx total = 6,8406 cm<sup>3</sup>

## PORTA DE CORRER 2 FOLHAS



SEM ESCALA

VT-798



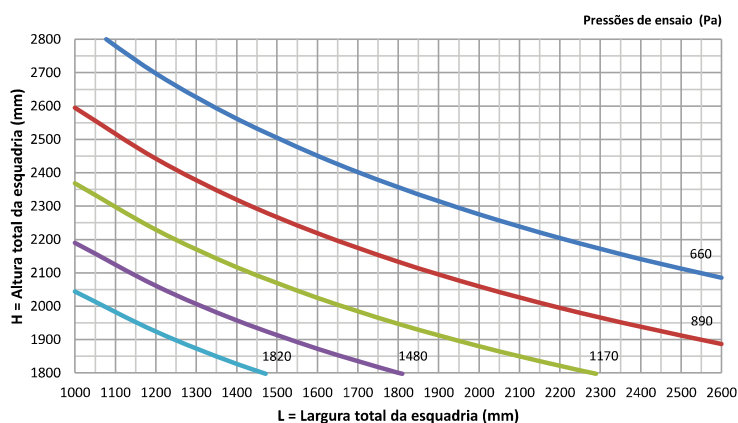
VT-799

### VT-798

JX:	22,4764 cm <sup>4</sup>
WX:	5,5844 cm <sup>3</sup>

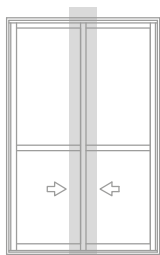
### VT-799

JX:	3,3329 cm <sup>4</sup>
WX:	1,6765 cm <sup>3</sup>



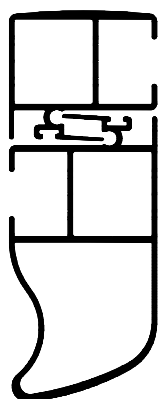
Momento de Inércia - Jx total = 25,8093 cm<sup>4</sup>  
Módulo de Resistência - Wx total = 7,2609 cm<sup>3</sup>

## PORTA DE CORRER 2 FOLHAS



SEM ESQUADRIA

VT-859



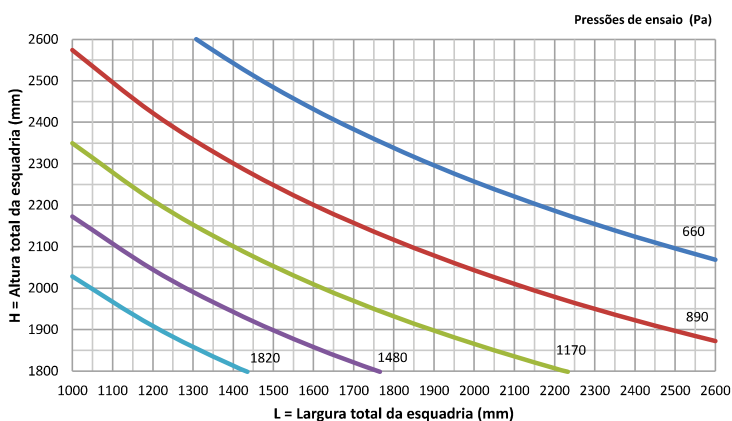
VT-861

### VT-859

JX:	3,2530 cm <sup>4</sup>
WX:	1,7226 cm <sup>3</sup>

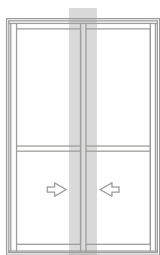
### VT-861

JX:	21,9407 cm <sup>4</sup>
WX:	5,5065 cm <sup>3</sup>



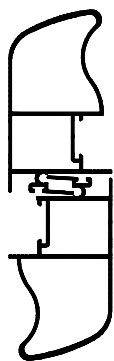
Momento de Inércia - Jx total = 25,1937 cm<sup>4</sup>  
Módulo de Resistência - Wx total = 7,2291 cm<sup>3</sup>

## PORTA DE CORRER 2 FOLHAS



SEM ESQUADRIA

VT-798



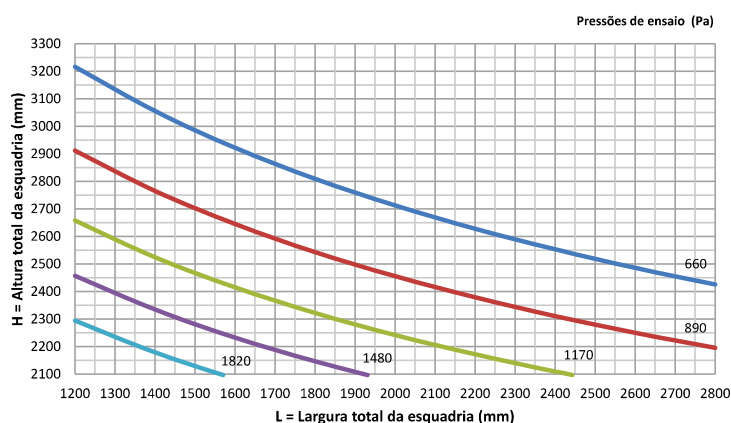
VT-797

### VT-798

JX:	22,4764 cm <sup>4</sup>
WX:	5,5844 cm <sup>3</sup>

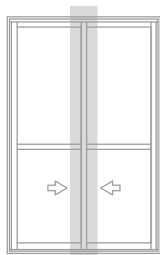
### VT-797

JX:	21,2549 cm <sup>4</sup>
WX:	5,4441 cm <sup>3</sup>

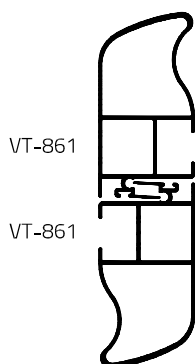


Momento de Inércia - Jx total = 43,7313 cm<sup>4</sup>  
Módulo de Resistência - Wx total = 11,0285 cm<sup>3</sup>

## PORTA DE CORRER 2 FOLHAS



SEM ESCALA

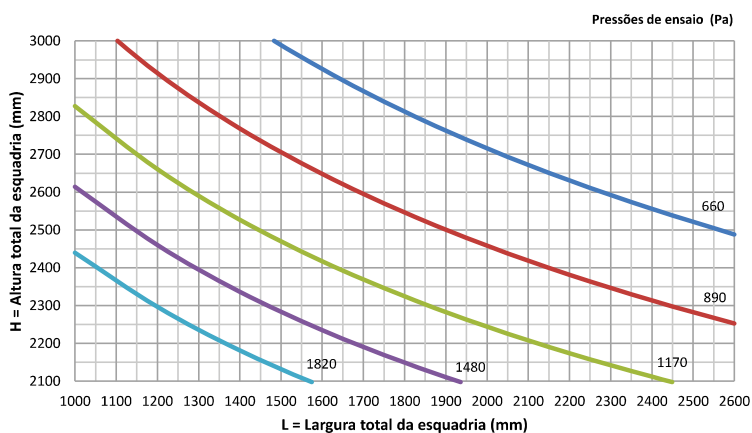


### VT-861

JX:	21,9407 cm <sup>4</sup>
WX:	5,5065 cm <sup>3</sup>

### VT-861

JX:	21,9407 cm <sup>4</sup>
WX:	5,5065 cm <sup>3</sup>

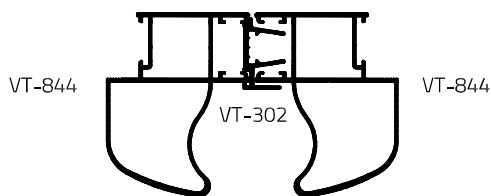


Momento de Inércia - Jx total = 43,8814 cm<sup>4</sup>  
Módulo de Resistência - Wx total = 11,0130 cm<sup>3</sup>

## PORTA DE CORRER 4 FOLHAS



SEM ESCALA

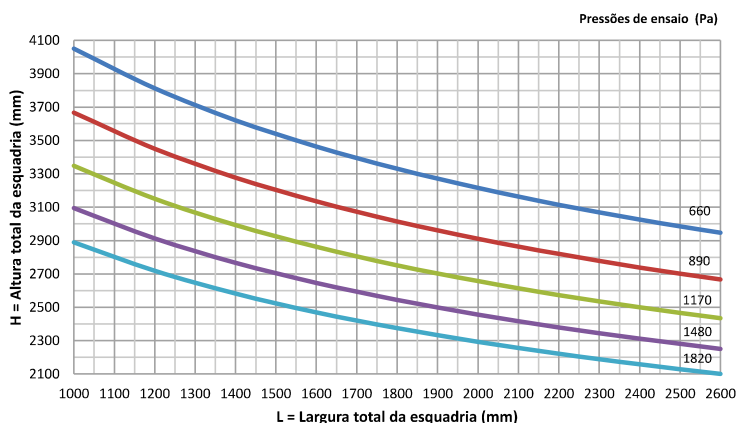


### VT-844

JX:	18,2052 cm <sup>4</sup>
WX:	4,8712 cm <sup>3</sup>

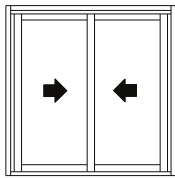
### VT-302

JX:	0,6652 cm <sup>4</sup>
WX:	0,4678 cm <sup>3</sup>

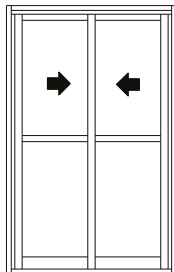


Momento de Inércia - Jx total = 36,4104 cm<sup>4</sup>  
Módulo de Resistência - Wx total = 9,7424 cm<sup>3</sup>

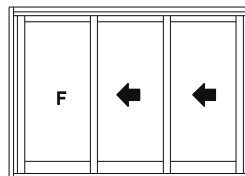
**JANELA DE CORRER**  
2 FOLHAS



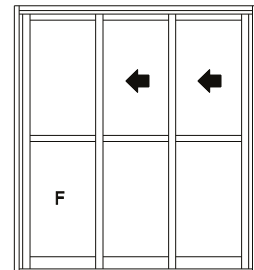
**PORTA DE CORRER**  
2 FOLHAS



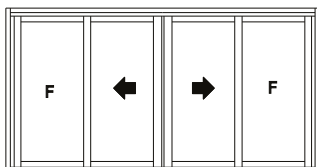
**JANELA DE CORRER**  
3 FOLHAS



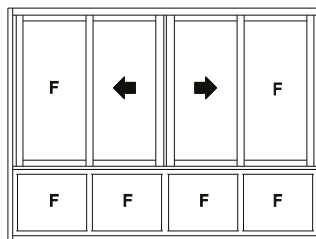
**PORTA DE CORRER**  
3 FOLHAS



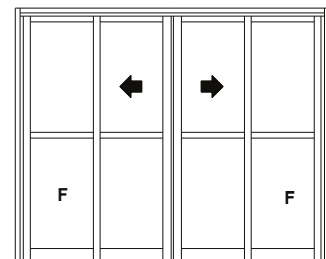
**JANELA DE CORRER**  
4 FOLHAS



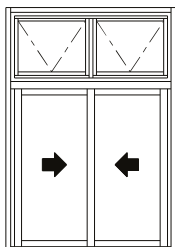
**JANELA DE CORRER**  
4 FOLHAS COM PEITORIL FIXO



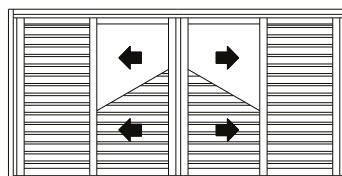
**PORTA DE CORRER**  
4 FOLHAS



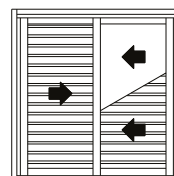
**JANELA DE CORRER**  
2 FOLHAS COM  
BANDEIRA MÓVEL



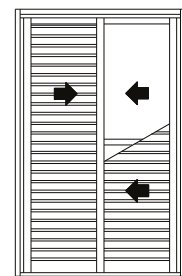
**JANELA DE CORRER**  
6 FOLHAS VENEZIANA



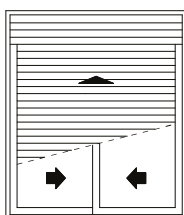
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3 FOLHAS VENEZIANA



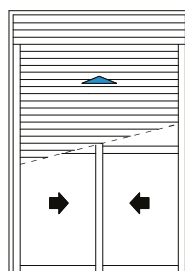
**PORTA DE CORRER**  
3 FOLHAS VENEZIANA



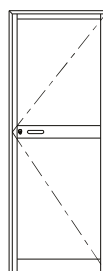
**JANELA DE CORRER**  
2 FOLHAS COM PERSIANA



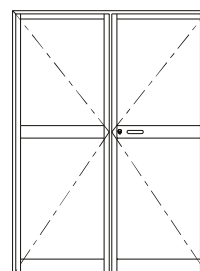
**PORTA DE CORRER**  
2 FOLHAS COM PERSIANA



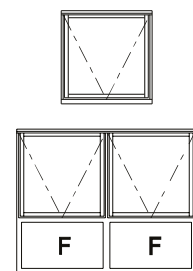
**PORTA DE GIRO**  
1 FOLHA



**PORTA DE GIRO**  
2 FOLHAS



**JANELAS MAXIM-ARES**







Código perfil	Descrição	Peso (Kg/m)	Página
25-548	Mata Junta	0.290	5.023
CL-006	Conexão	1.100	5.001
CL-011	Cunha	0.333	5.001
CM-060	Contramarco	0.283	5.001
CM-174	Contramarco	0.417	5.002
CM-175	Chumbador	0.620	5.002
CM-200	Contramarco	0.200	5.001
CM-210	Contramarco	0.246	5.001
CM-211	Contramarco	0.475	5.002
ECO-347	Arremate	0.140	5.023
ECO-708	Eixo Octogonal - 40mm	0.537	5.011
ECO-776	Terminal da Persiana	0.273	5.011
ME-014	Arremate para Piso	0.235	5.002
MP-347	Arremate	0.200	5.002
PV-001	Marco Superior 2 Planos	0.706	5.005
PV-002	Marco Inferior 2 Planos	0.615	5.005
PV-003	Marco Lateral 2 Planos	0.487	5.006
PV-004	Marco Inferior 2 Planos	0.665	5.005
VT-001	Marco Superior 2 Planos	0.767	5.003
VT-002	Marco Inferior 2 Planos	0.717	5.003
VT-003	Marco Lateral 2 Planos	0.533	5.006
VT-004	Marco Superior (Band.) e Inferior (Peit.)	0.500	5.004
VT-005	Travessa Intermediária (Band.) 2 Planos	1.117	5.004
VT-006	Travessa Intermediária (Peit.) 2 Planos	1.100	5.005
VT-007	Marco Lateral 2 Planos	0.383	5.006
VT-009	Coluna	0.917	5.005
VT-010	Marco Superior 3 Planos	1.033	5.006
VT-011	Marco Inferior 3 Planos	1.000	5.007
VT-012	Marco Lateral 3 Planos	0.550	5.008
VT-013	Marco Lateral 3 Planos	0.783	5.008
VT-014	Marco Lateral 3 Planos	0.683	5.008
VT-017	Trilho Individual	0.233	5.007
VT-018	Marco Superior (Band.) e Inferior (Peit.)	0.667	5.007
VT-019	Travessa Intermediária (Band.) 3 Planos	1.783	5.007
VT-021	Marco Inferior 2 Planos	0.700	5.003
VT-036	Marco Macho e Fêmea	0.467	5.006
VT-039	Montante Lateral / Central	0.533	5.012
VT-040	Montante Central com Engate	0.483	5.013
VT-041	Montante Central com Engate	0.517	5.013
VT-042	Montante Central com Engate Duplo	0.567	5.015
VT-044	Montante Lateral / Central com Reforço	0.978	5.012
VT-047	Montante Central com Engate e Reforço	1.043	5.013
VT-049	Montante Central com Engate e Reforço	1.050	5.013
VT-053	Travessa Superior / Inferior	0.517	5.012
VT-055	Montante Lateral / Central	0.550	5.016
VT-056	Montante Central com Engate	0.532	5.017
VT-057	Montante Central com Engate Duplo	0.633	5.017

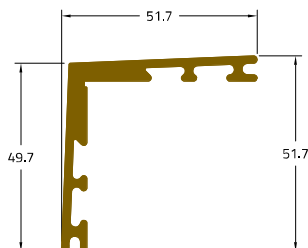
Código perfil	Descrição	Peso (Kg/m)	Página
VT-060	Montante Lateral / Central com Reforço	0.983	5.016
VT-061	Montante Central com Engate e Reforço	1.067	5.017
VT-068	Montante Lateral / Central	0.550	5.018
VT-069	Montante Central com Engate Duplo	0.583	5.018
VT-070	Montante Central com Engate	0.533	5.019
VT-079	Marco Maxim-Ar	0.350	5.020
VT-080	Travessa Superior da Folha	0.367	5.020
VT-081	Montante e Travessa Inferior da Folha	0.417	5.021
VT-083	Pingadeira	0.150	5.019
VT-084	Pingadeira	0.133	5.021
VT-085	Travessa	0.500	5.020
VT-086	Coluna com Olhal	0.600	5.019
VT-088	Marco Fixo	0.317	5.020
VT-090	Montante e Travessa Inferior da Folha	0.487	5.021
VT-091	Travessa Superior da Folha	0.400	5.021
VT-102	Baguete	0.117	5.022
VT-1028	Baguete	0.108	5.022
VT-103	Baguete	0.162	5.022
VT-107	Vedação Montante	0.283	5.019
VT-1070	Veda Montante	0.240	5.019
VT-108	Complemento Veneziana	0.150	5.019
VT-110	Travessa da Folha	0.549	5.023
VT-111	Montante e Travessa da Folha	0.659	5.023
VT-186	Travessa Superior / Inferior	0.517	5.016
VT-187	Travessa Superior / Inferior	0.517	5.018
VT-188	Travessa Intermediária	0.600	5.016
VT-200	Montante e Travessa Inferior da Folha	0.450	5.021
VT-225	Travessa Inferior da Porta	1.000	5.012
VT-225A	Travessa Inferior da Porta	0.662	5.012
VT-226	Travessa Inferior da Porta	1.017	5.016
VT-227	Travessa Intermediária	0.550	5.012
VT-228	Marco Inferior 2 Planos	0.700	5.003
VT-230	Marco Inferior 3 Planos	1.000	5.006
VT-242	Montante Central com Engate	0.743	5.015
VT-243	Montante Central com Engate	0.833	5.015
VT-245	Montante Lateral / Central	0.688	5.015
VT-250	Montante Lateral / Central com Reforço	0.736	5.013
VT-260	Marco Inferior 2 Planos	0.708	5.003
VT-260A	Marco Inferior 2 Planos	0.633	5.004
VT-279	Marco Porta de Giro	0.567	5.022
VT-280	Montante Lateral / Central	1.008	5.015
VT-292	Inversor para Baguete	0.206	5.020
VT-293	Travessa da Folha	0.383	5.021
VT-302	Mata Junta	0.283	5.008
VT-379	Marco Maxim-Ar	0.360	5.020
VT-479	Marco Porta de Giro	0.620	5.022
VT-792	Marco Inferior 2 Planos	0.716	5.004

Código perfil	Descrição	Peso (Kg/m)	Página
VT-793	Travessa Intermediária (Peit.) 2 Planos	1.166	5.005
VT-794	Marco Inferior 3 Planos	0.985	5.007
VT-795	Marco Inferior 3 Planos	1.056	5.007
VT-796	Marco Inferior 2 Planos	0.798	5.004
VT-797	Montante Central com Engate e Reforço	0.996	5.014
VT-798	Montante Central com Engate e Reforço	1.030	5.014
VT-799	Montante Central com Engate	0.620	5.014
VT-800	Montante Central com Engate	0.553	5.014
VT-801	Marco Superior 4 Planos	1.416	5.008
VT-802	Marco Inferior 4 Planos	1.318	5.008
VT-803	Marco Lateral 4 Planos	0.721	5.009
VT-804	Tampa Interna da Persiana	0.918	5.010
VT-805	Marco Inferior Persiana	0.986	5.009
VT-842	Montante Lateral para Guiagem da Persiana	0.590	5.011
VT-843	Travessa Intermediária (Peit.) 2 Planos	1.030	5.004
VT-844	Montante Lateral / Central com Reforço	1.032	5.013
VT-845	Montante Lateral / Central com Reforço	0.721	5.016
VT-846	Montante Lateral / Central com Reforço	1.091	5.018
VT-847	Montante Central com Engate e Reforço	1.035	5.014
VT-848	Montante Central para Guiagem da Persiana	1.008	5.011
VT-849	Montante Central com Engate e Reforço	1.028	5.014
VT-850	Montante com Mata Junta	1.100	5.018
VT-851	Marco Lateral da Persiana	0.461	5.011
VT-852	Arremate Lateral do Recolhedor	0.976	5.011
VT-853	Travessa Intermediária Persiana	1.091	5.009
VT-854	Tampa Interna da Persiana	1.685	5.010
VT-856	Tampa Externa da Persiana	0.930	5.010
VT-857	Tampa Externa da Persiana	0.510	5.010
VT-858	Marco Superior Persiana	0.961	5.009
VT-859	Montante Central com Engate	0.631	5.017
VT-860	Marco Inferior Persiana	0.653	5.009
VT-861	Montante Central com Engate e Reforço	1.038	5.017
VT-862	Travessa Intermediária Persiana	1.372	5.009
VT-863	Marco Inferior Persiana	0.985	5.009
VT-897	Montante Lateral / Central com Reforço	1.087	5.017
VT-898	Marco Inferior 2 Planos	0.780	5.003
VT-899	Montante Lateral / Central com Reforço	0.857	5.018
VT-900	Montante e Travessa Inferior da Folha	0.494	5.022
Y-721	Contramarco	0.217	5.001



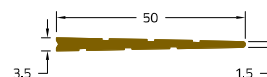
<b>CL-006</b>	<b>Conexão</b>
1.100 Kg/m	Encaixe: CL-011

ESCALA 1:2



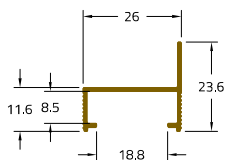
<b>CL-011</b>	<b>Cunha</b>
0.333 Kg/m	Encaixe: CL-006

ESCALA 1:2



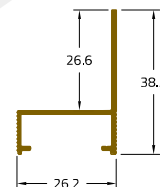
<b>CM-200</b>	<b>Contramarco</b>
0.200 Kg/m	-

ESCALA 1:2



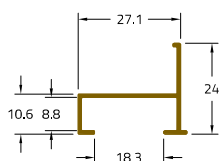
<b>CM-210</b>	<b>Contramarco</b>
0.246 Kg/m	-

ESCALA 1:2



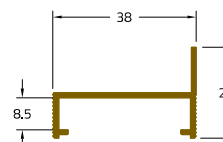
<b>Y-721</b>	<b>Contramarco</b>
0.217 Kg/m	-

ESCALA 1:2



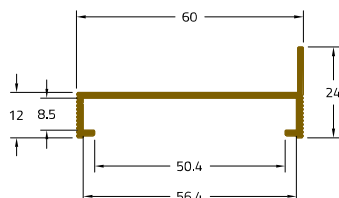
<b>CM-060</b>	<b>Contramarco</b>
0.283 Kg/m	-

ESCALA 1:2



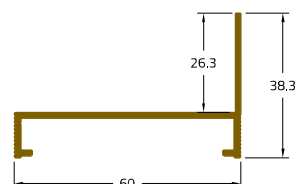
<b>CM-174</b>	<b>Contramarco</b>
0,417 Kg/m	-

ESCALA 1:2



<b>CM-211</b>	<b>Contramarco</b>
0,475 Kg/m	-

ESCALA 1:2



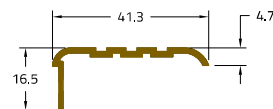
<b>MP-347</b>	<b>Arremate</b>
0,200 Kg/m	-

ESCALA 1:2



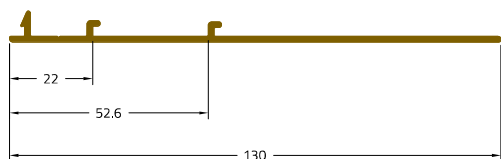
<b>ME-014</b>	<b>Arremate para Piso</b>
0,235 Kg/m	-

ESCALA 1:2



<b>CM-175</b>	<b>Chumbador</b>
0,620 Kg/m	Fornecido em barra

ESCALA 1:2

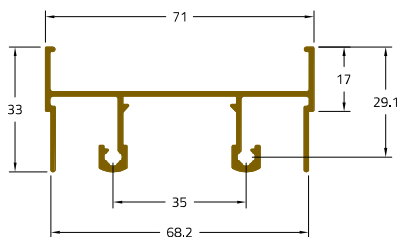




**VT-001 Marco Superior 2 Planos**

0.767 Kg/m Encaixe: VT-003/VT-007/VT-036

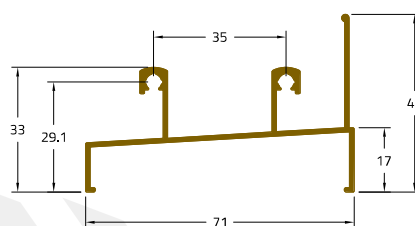
ESCALA 1:2



**VT-002 Marco Inferior 2 Planos**

0.717 Kg/m Encaixe: VT-003/VT-007/VT-036

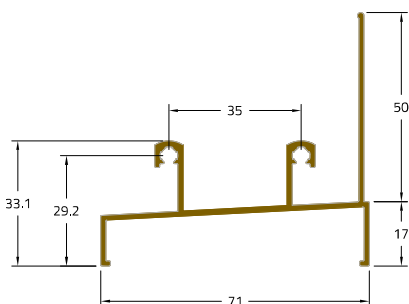
ESCALA 1:2



**VT-898 Marco Inferior 2 Planos**

0.780 Kg/m Encaixe: VT-003/VT-007/VT-036

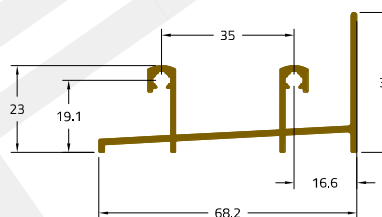
ESCALA 1:2



**VT-228 Marco Inferior 2 Planos**

0.700 Kg/m Encaixe: VT-003/VT-007/VT-036

ESCALA 1:2

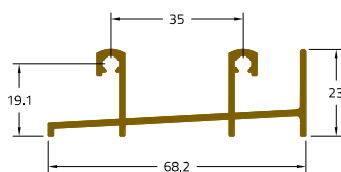


FERRAMENTA  
SOB CONSULTA

**VT-260 Marco Inferior 2 Planos**

0.708 Kg/m Encaixe: VT-003/VT-007/VT-036

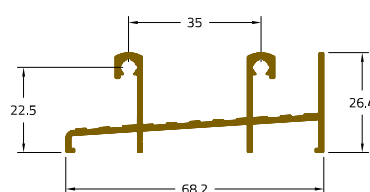
ESCALA 1:2



**VT-021 Marco Inferior 2 Planos**

0.700 Kg/m Encaixe: VT-003/VT-007/VT-036

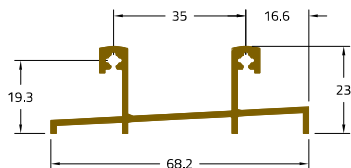
ESCALA 1:2



FERRAMENTA  
SOB CONSULTA

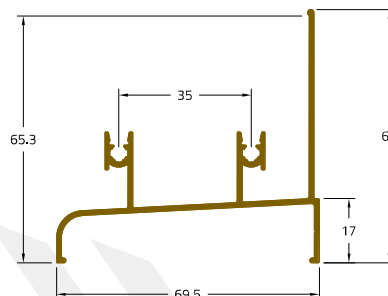
<b>VT-260A</b>	<b>Marco Inferior 2 Planos</b>
0.633 Kg/m	Encaixe: VT-003/VT-007/VT-036

ESCALA 1:2



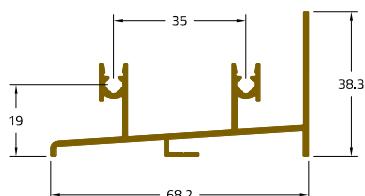
<b>VT-796</b>	<b>Marco Inferior 2 Planos</b>
0.798 Kg/m	Encaixe: VT-003/VT-007/VT-036

ESCALA 1:2



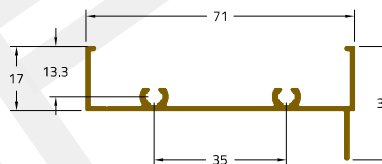
<b>VT-792</b>	<b>Marco Inferior 2 Planos</b>
0.716 Kg/m	Encaixe: VT-003/VT-007/VT-036

ESCALA 1:2



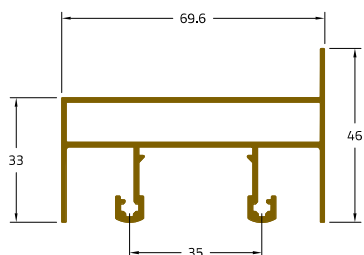
<b>VT-004</b>	<b>Marco Superior (Band.) e Inferior (Peit.)</b>
0.500 Kg/m	Encaixe: VT-007

ESCALA 1:2



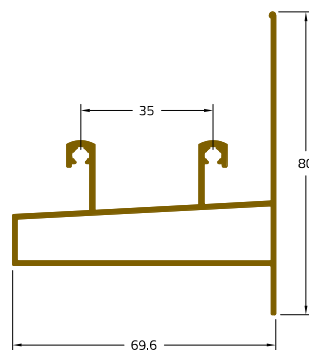
<b>VT-005</b>	<b>Travessa Intermediária (Band.) 2 Planos</b>
1.117 Kg/m	Encaixe: VT-007

ESCALA 1:2



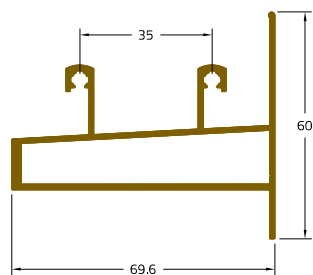
<b>VT-843</b>	<b>Travessa Intermediária (Peit.) 2 Planos</b>
1.030 Kg/m	Encaixe: VT-007

ESCALA 1:2



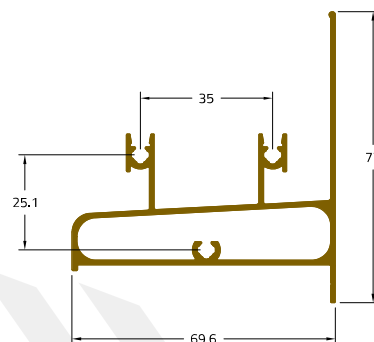
<b>VT-006</b>	<b>Travessa Intermediária (Peit.) 2 Planos</b>
1.100 Kg/m	Encaixe: VT-007

ESCALA 1:2



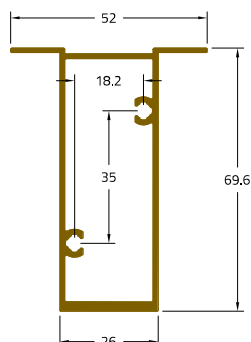
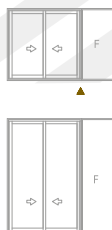
<b>VT-793</b>	<b>Travessa Intermediária (Peit.) 2 Planos</b>
1.166 Kg/m	Encaixe: VT-007

ESCALA 1:2



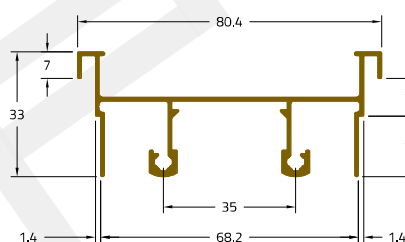
<b>VT-009</b>	<b>Coluna</b>
0.917 Kg/m	Encaixe: VT-004/VT-007/VT-036

ESCALA 1:2



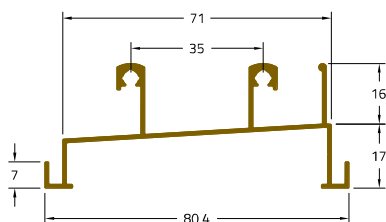
<b>PV-001</b>	<b>Marco Superior 2 Planos</b>
0.706 Kg/m	Encaixe: PV-003

ESCALA 1:2



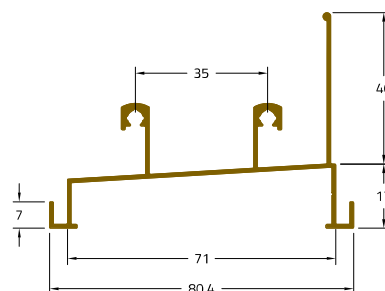
<b>PV-002</b>	<b>Marco Inferior 2 Planos</b>
0.615 Kg/m	Encaixe: PV-003

ESCALA 1:2



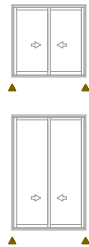
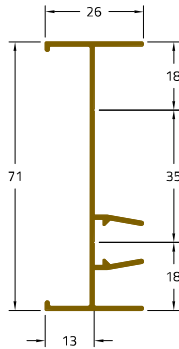
<b>PV-004</b>	<b>Marco Inferior 2 Planos</b>
0.665 Kg/m	Encaixe: PV-003

ESCALA 1:2



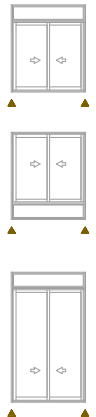
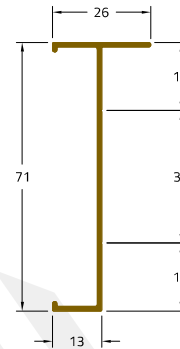
<b>VT-003</b>	<b>Marco Lateral 2 Planos</b>
0,533 Kg/m	Encaixe: VT-001/VT-002/VT-898/VT-228/ VT-260/VT-021/VT-260A/VT-796/VT-792

ESCALA 1:2



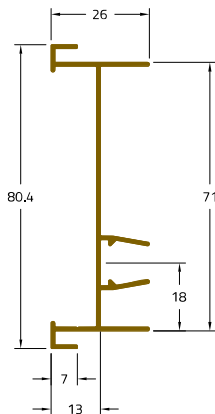
<b>VT-007</b>	<b>Marco Lateral 2 Planos</b>
0,383 Kg/m	Encaixe: VT-001/VT-002/VT-898/VT-228/ VT-260/VT-021/VT-260A/VT-796/VT-792

ESCALA 1:2



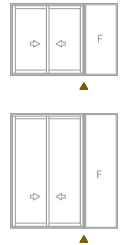
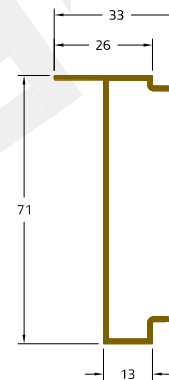
<b>PV-003</b>	<b>Marco Lateral 2 Planos</b>
0,487 Kg/m	Encaixe: PV-001/PV002

ESCALA 1:2



<b>VT-036</b>	<b>Marco Macho e Fêmea</b>
0,467 Kg/m	Encaixe: VT-001/VT-002/VT-898/VT-228/ VT-260/VT-021/VT-260A/VT-796/VT-792

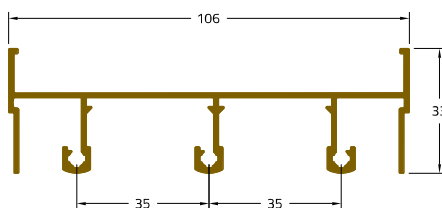
ESCALA 1:2



FERRAMENTA  
SOB CONSULTA

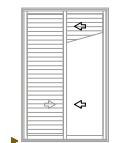
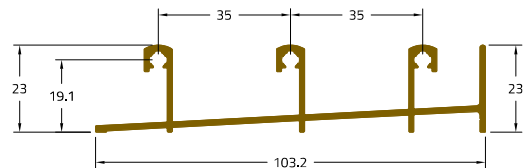
<b>VT-010</b>	<b>Marco Superior 3 Planos</b>
1,033 Kg/m	Encaixe: VT-013/VT-014/VT-012

ESCALA 1:2



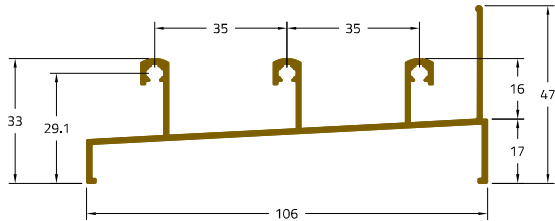
<b>VT-230</b>	<b>Marco Inferior 3 Planos</b>
1,000 Kg/m	Encaixe: VT-013/VT-014/VT-012

ESCALA 1:2



<b>VT-011</b>	<b>Marco Inferior 3 Planos</b>
1.000 Kg/m	Encaixe: VT-013/VT-014/VT-012

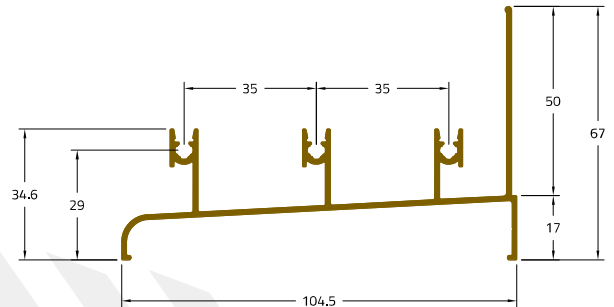
ESCALA 1:2



FERRAMENTA  
SOB CONSULTA

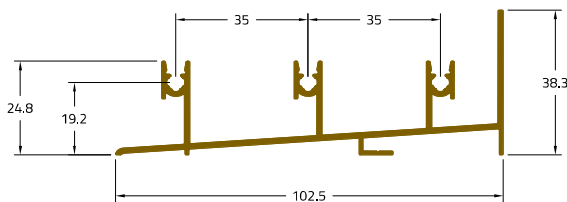
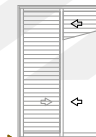
<b>VT-795</b>	<b>Marco Inferior 3 Planos</b>
1.056 Kg/m	Encaixe: VT-013/VT-014/VT-012

ESCALA 1:2



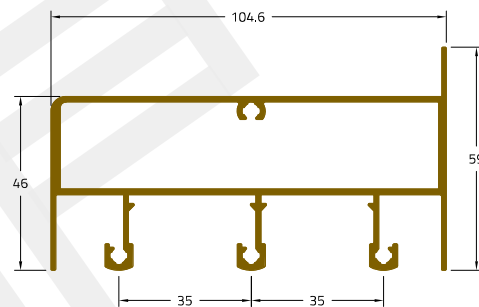
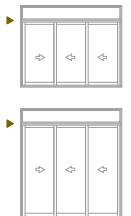
<b>VT-794</b>	<b>Marco Inferior 3 Planos</b>
0.985 Kg/m	Encaixe: VT-013/VT-014/VT-012

ESCALA 1:2



<b>VT-019</b>	<b>Travessa Intermediária (Band.) 3 Planos</b>
1.783 Kg/m	Encaixe: VT-012

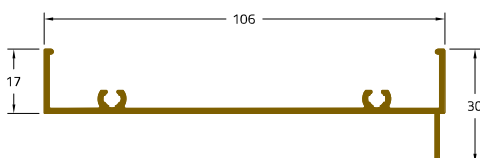
ESCALA 1:2



FERRAMENTA  
SOB CONSULTA

<b>VT-018</b>	<b>Marco Superior (Band.) e Inferior (Peit.)</b>
0.667 Kg/m	Encaixe: VT-012

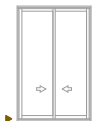
ESCALA 1:2



FERRAMENTA  
SOB CONSULTA

<b>VT-017</b>	<b>Trilho Individual</b>
0.233 Kg/m	Encaixe: VT-003/VT-007/VT-012/VT-013/ VT-014

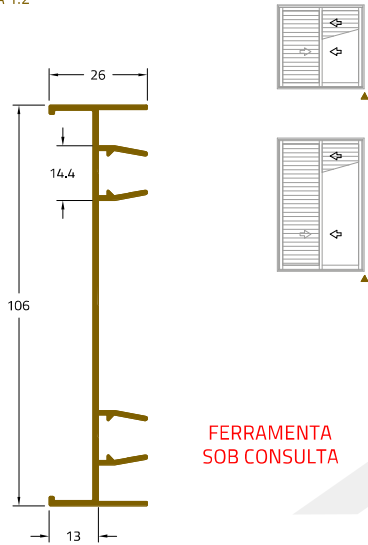
ESCALA 1:2



FERRAMENTA  
SOB CONSULTA

VT-013	Marco Lateral 3 Planos
0.783 Kg/m	Encaixe: VT-010/VT-230/VT-011/ VT-795/VT-794

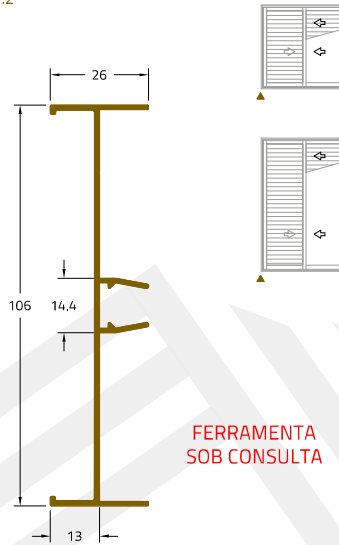
ESCALA 1:2



FERRAMENTA  
SOB CONSULTA

VT-014	Marco Lateral 3 Planos
0.683 Kg/m	Encaixe: VT-010/VT-230/VT-011/ VT-795/VT-794

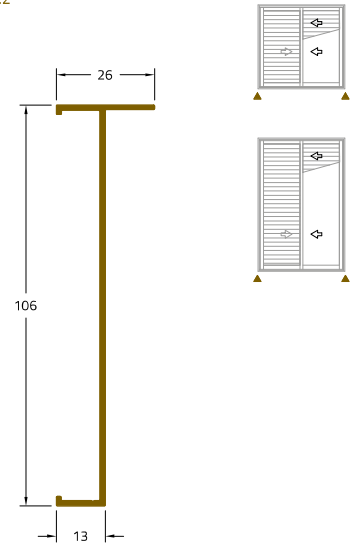
ESCALA 1:2



FERRAMENTA  
SOB CONSULTA

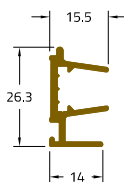
VT-012	Marco Lateral 3 Planos
0.550 Kg/m	Encaixe: VT-010/VT-230/VT-011/ VT-795/VT-794/VT-019/VT-018

ESCALA 1:2



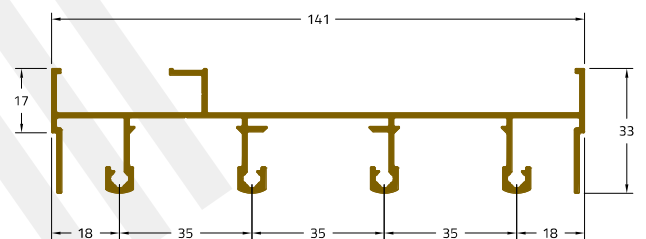
VT-302	Mata Junta
0.283 Kg/m	Encaixe: VT-007/VT-036/VT-012

ESCALA 1:2



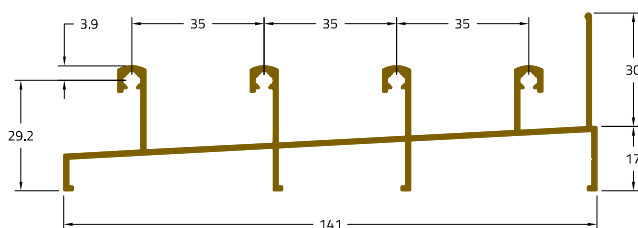
VT-801	Marco Superior 4 Planos
1.416 Kg/m	Encaixe: VT-803

ESCALA 1:2



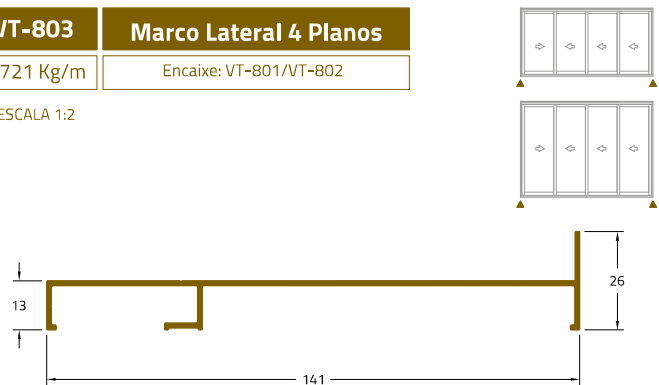
VT-802	Marco Inferior 4 Planos
1.318 Kg/m	Encaixe: VT-803

ESCALA 1:2



VT-803	Marco Lateral 4 Planos
0.721 Kg/m	Encaixe: VT-801/VT-802

ESCALA 1:2

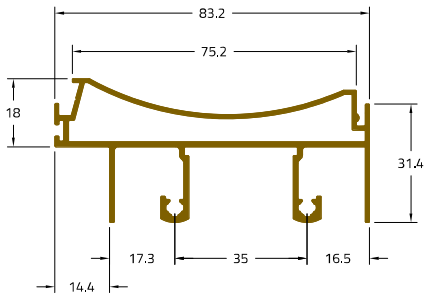




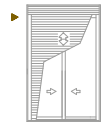
<b>VT-853</b>	<b>Travessa Intermediária Persiana</b>
1.091 Kg/m	Encaixe: VT-851



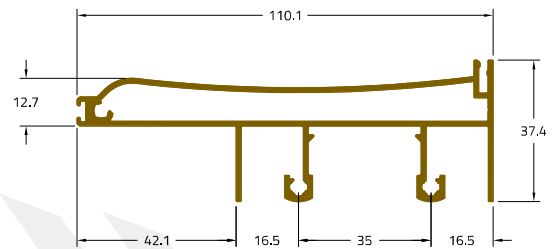
ESCALA 1:2



<b>VT-862</b>	<b>Travessa Intermediária Persiana</b>
1.372 Kg/m	Encaixe: Perfis Unnion*



ESCALA 1:2



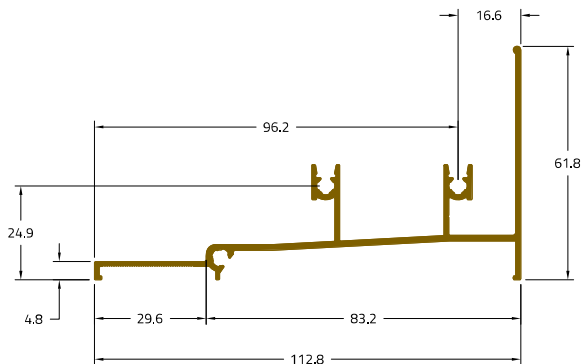
\*Encaixe - Perfis Unnion:

Marco Superior: ECO-786 / Marco Lateral: ECO-788 / Tampa Interna: ECO-791 / Tampa Externa: ECO-749

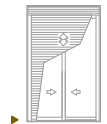
<b>VT-805</b>	<b>Marco Inferior Persiana</b>
0.986 Kg/m	Encaixe: VT-851



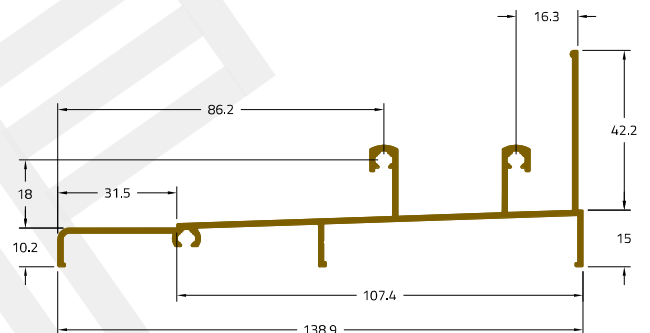
ESCALA 1:2



<b>VT-863</b>	<b>Marco Inferior Persiana</b>
0.985 Kg/m	Encaixe: Perfis Unnion*



ESCALA 1:2



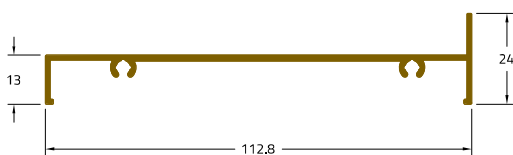
\*Encaixe - Perfis Unnion:

Marco Superior: ECO-786 / Marco Lateral: ECO-788 / Tampa Interna: ECO-791 / Tampa Externa: ECO-749

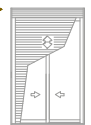
<b>VT-860</b>	<b>Marco Inferior Persiana</b>
0.653 Kg/m	Encaixe: VT-851



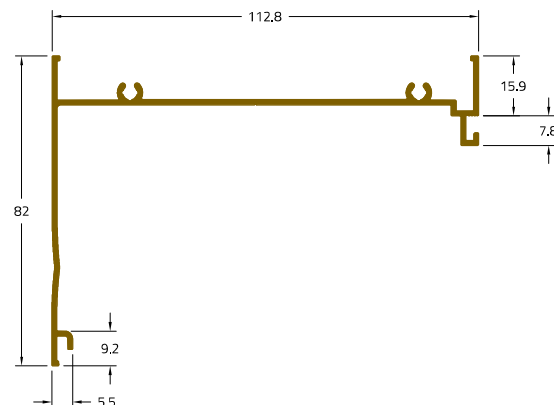
ESCALA 1:2



<b>VT-858</b>	<b>Marco Superior Persiana</b>
0.961 Kg/m	Encaixe: VT-851



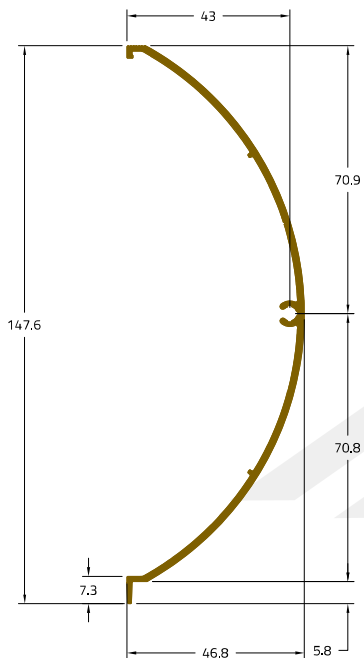
ESCALA 1:2



<b>VT-804</b>	<b>Tampa Interna da Persiana</b>
0,918 Kg/m	Encaixe: VT-851/VT-858/VT-853



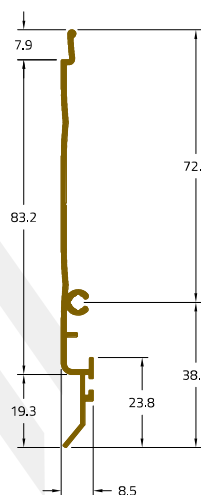
ESCALA 1:2



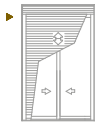
<b>VT-857</b>	<b>Tampa Externa da Persiana</b>
0,510 Kg/m	Encaixe: VT-851/VT-858/VT-853



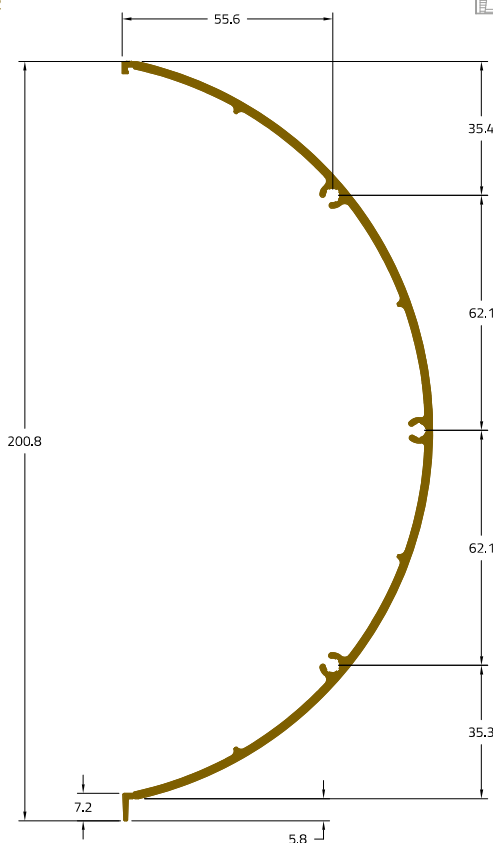
ESCALA 1:2



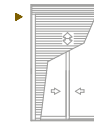
<b>VT-854</b>	<b>Tampa Interna da Persiana</b>
1,685Kg/m	Encaixe: VT-851/VT-858/VT-853



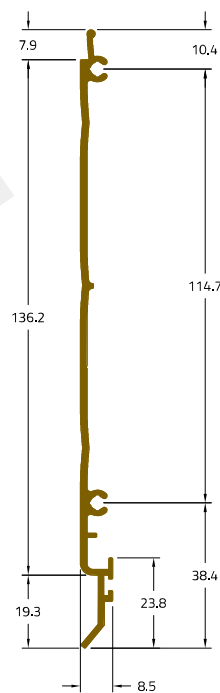
ESCALA 1:2





<b>VT-856</b>	<b>Tampa Externa da Persiana</b>
0,930 Kg/m	Encaixe: VT-851/VT-858



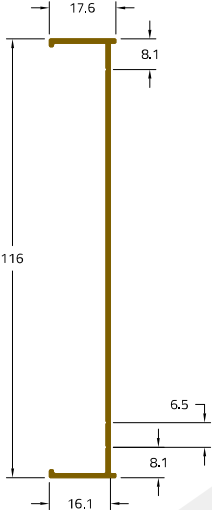
ESCALA 1:2





PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

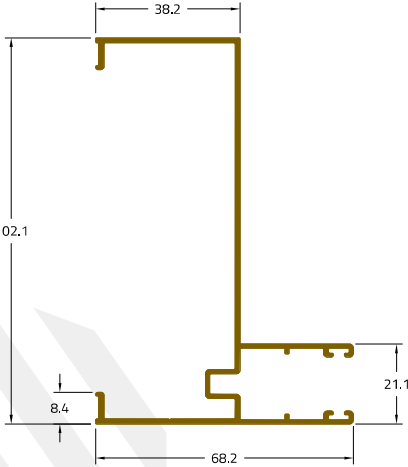
<b>VT-851</b>	<b>Marco Lateral da Persiana</b>		
0,461 Kg/m	Encaixe: VT-853/VT-805/VT-858		



ESCALA 1:2



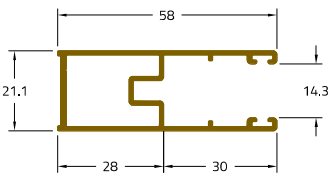
<b>VT-852</b>	<b>Arremate Lateral do Recolhedor</b>		
0,976 Kg/m	Encaixe: VT-851		



ESCALA 1:2



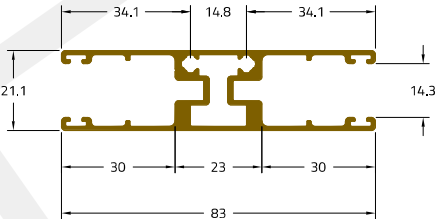
<b>VT-842</b>	<b>Montante Lateral para Guiagem da Persiana</b>		
0,590 Kg/m	Encaixe: VT-851		

ESCALA 1:2



<b>VT-848</b>	<b>Montante Central para Guiagem da Persiana</b>		
1,008 Kg/m	Encaixe: VT-805/VT-863		



ESCALA 1:2



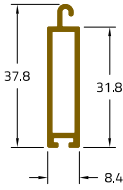
<b>ECO-708</b>	<b>Eixo Octogonal - 40mm</b>		
0,537 Kg/m	Encaixe: VT-851		

ESCALA 1:2



<b>ECO-776</b>	<b>Terminal da Persiana</b>		
0,273 Kg/m	Encaixe: Persiana		

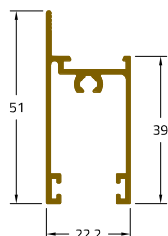
ESCALA 1:2



PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

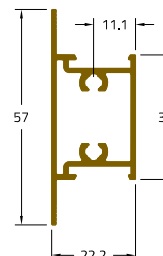
<b>VT-053</b>	<b>Travessa Superior / Inferior</b>
0,517 Kg/m	Encaixe: Montantes Laterais e Centrais

ESCALA 1:2



<b>VT-227</b>	<b>Travessa Intermediária</b>
0,550 Kg/m	Encaixe: Montantes Laterais e Centrais

ESCALA 1:2

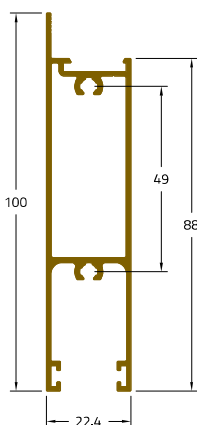


Com Baguete

Com Baguete

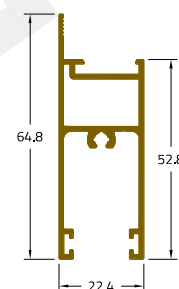
<b>VT-225</b>	<b>Travessa Inferior da Porta</b>
1,000 Kg/m	Encaixe: Montantes Laterais e Centrais

ESCALA 1:2



<b>VT-225A</b>	<b>Travessa Inferior da Porta</b>
0,662 Kg/m	Encaixe: Montantes Laterais e Centrais

ESCALA 1:2

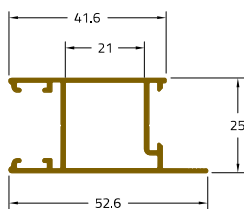


Com Baguete

Com Baguete

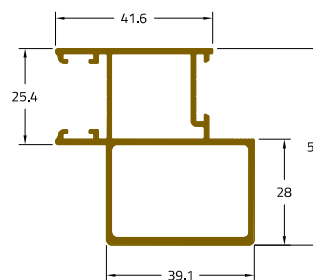
<b>VT-039</b>	<b>Montante Lateral / Central</b>
0,533 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2



<b>VT-044</b>	<b>Montante Lateral / Central com Reforço</b>
0,978 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2

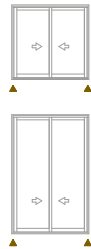
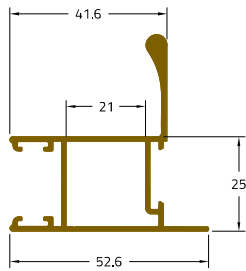


Com Baguete

Com Baguete

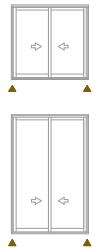
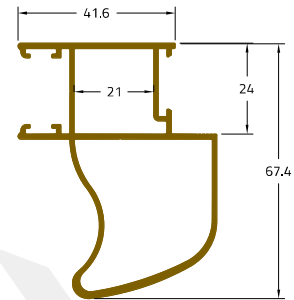
<b>VT-250</b>	<b>Montante Lateral / Central com Reforço</b>
0.736 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2



<b>VT-844</b>	<b>Montante Lateral / Central com Reforço</b>
1.032 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2

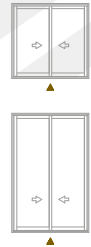
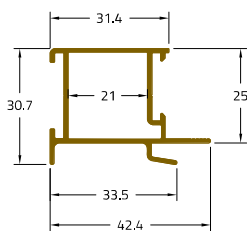


Com Baguete

Com Baguete

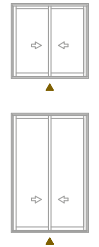
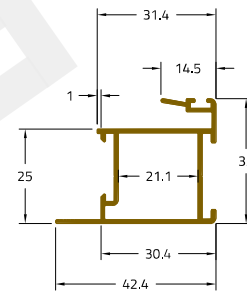
<b>VT-040</b>	<b>Montante Central com Engate</b>
0.483 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2



<b>VT-041</b>	<b>Montante Central com Engate</b>
0.517 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2

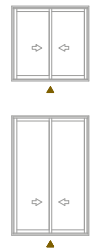
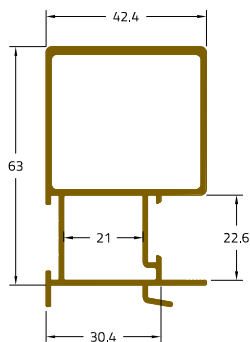


Com Baguete

Com Baguete

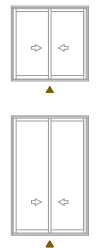
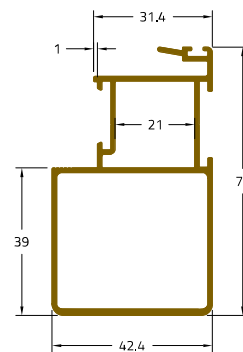
<b>VT-047</b>	<b>Montante Central com Engate e Reforço</b>
1.043 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2



<b>VT-049</b>	<b>Montante Central com Engate e Reforço</b>
1.050 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2



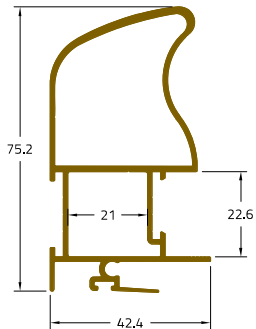
Com Baguete

Com Baguete



<b>VT-847</b>	<b>Montante Central com Engate e Reforço</b>
1.035 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2

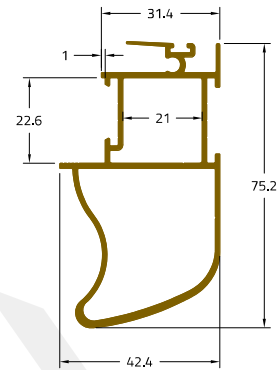


Com Baguete

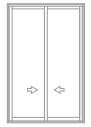


<b>VT-849</b>	<b>Montante Central com Engate e Reforço</b>
1.028 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2

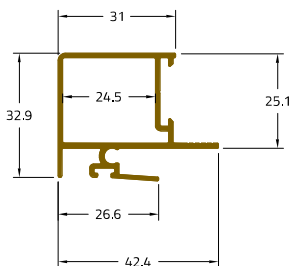


Com Baguete



<b>VT-800</b>	<b>Montante Central com Engate</b>
0.553 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2

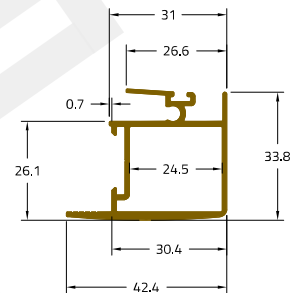


Com Baguete

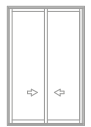


<b>VT-799</b>	<b>Montante Central com Engate</b>
0.620 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2

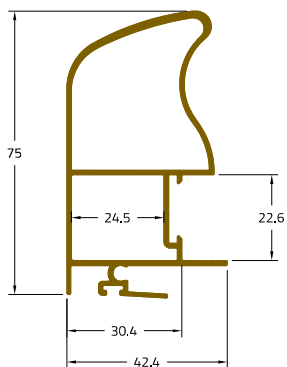


Com Baguete



<b>VT-798</b>	<b>Montante Central com Engate e Reforço</b>
1.030 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2

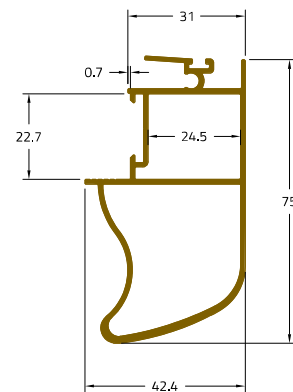


Com Baguete

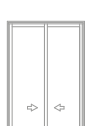


<b>VT-797</b>	<b>Montante Central com Engate e Reforço</b>
0.996 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2



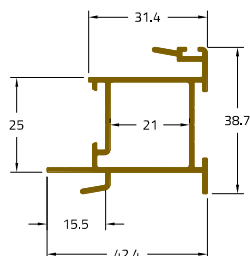
Com Baguete



**VT-042** Montante Central com Engate Duplo

0.567 Kg/m Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2



FERRAMENTA SOB CONSULTA

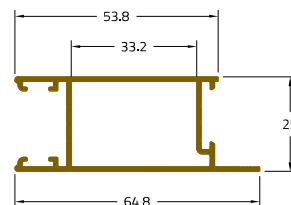
Com Baguete



**VT-245** Montante Lateral / Central

0.688 Kg/m Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2



FERRAMENTA SOB CONSULTA

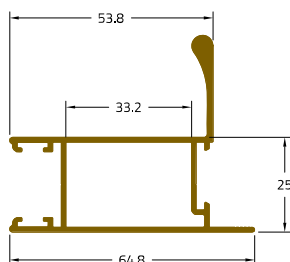
Com Baguete



**VT-280** Montante Lateral / Central

1.008 Kg/m Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2



FERRAMENTA SOB CONSULTA

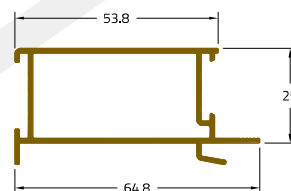
Com Baguete



**VT-243** Montante Central com Engate

0.833 Kg/m Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2



FERRAMENTA SOB CONSULTA

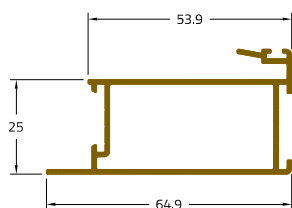
Com Baguete



**VT-242** Montante Central com Engate

0.743 Kg/m Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2



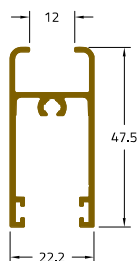
FERRAMENTA SOB CONSULTA

Com Baguete



<b>VT-186</b>	<b>Travessa Superior / Inferior</b>
0,517 Kg/m	Encaixe: Montantes Laterais e Centrais

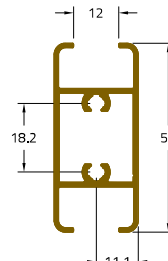
ESCALA 1:2



Sem Baguete

<b>VT-188</b>	<b>Travessa Intermediária</b>
0,600 Kg/m	Encaixe: Montantes Laterais e Centrais

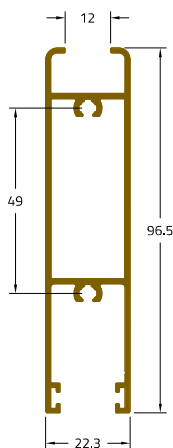
ESCALA 1:2



Sem Baguete

<b>VT-226</b>	<b>Travessa Inferior da Porta</b>
1,017 Kg/m	Encaixe: Montantes Laterais e Centrais

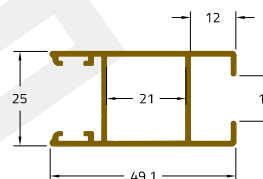
ESCALA 1:2



Sem Baguete

<b>VT-055</b>	<b>Montante Lateral / Central</b>
0,550 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

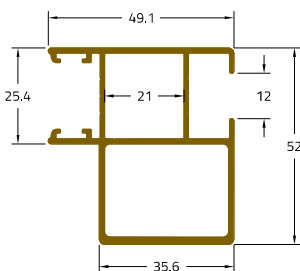
ESCALA 1:2



Sem Baguete

<b>VT-060</b>	<b>Montante Lateral / Central com Reforço</b>
0,983 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

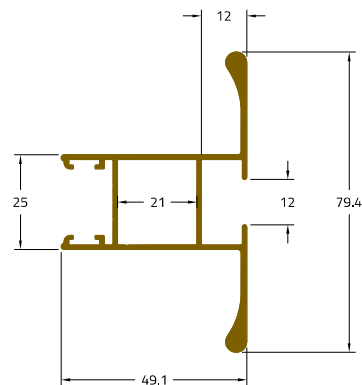
ESCALA 1:2



Sem Baguete

<b>VT-845</b>	<b>Montante Lateral / Central com Reforço</b>
0,721 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

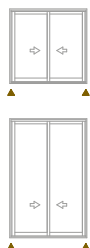
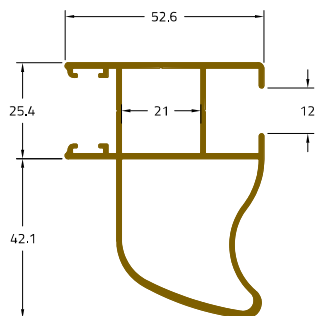
ESCALA 1:2



Sem Baguete

<b>VT-897</b>	<b>Montante Lateral / Central com Reforço</b>
1.087 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

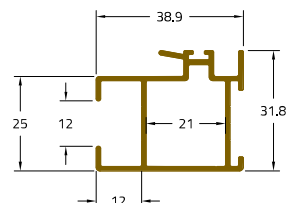
ESCALA 1:2



Sem Baguete

<b>VT-056</b>	<b>Montante Central com Engate</b>
0.532 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

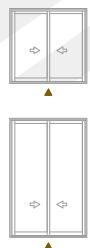
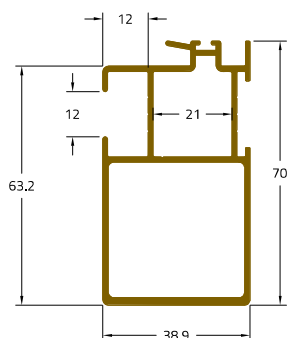
ESCALA 1:2



Sem Baguete

<b>VT-061</b>	<b>Montante Central com Engate e Reforço</b>
1.067 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

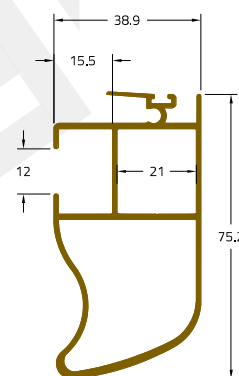
ESCALA 1:2



Sem Baguete

<b>VT-861</b>	<b>Montante Central com Engate e Reforço</b>
1.038 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

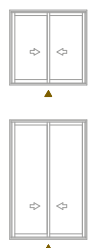
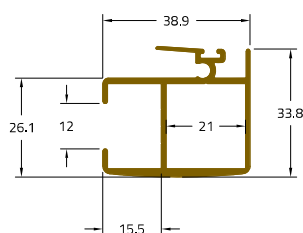
ESCALA 1:2



Sem Baguete

<b>VT-859</b>	<b>Montante Central com Engate</b>
0.631 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

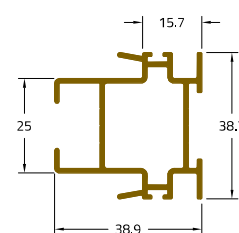
ESCALA 1:2



Sem Baguete

<b>VT-057</b>	<b>Montante Central com Engate Duplo</b>
0.633 Kg/m	Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2



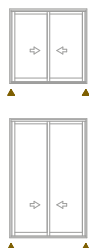
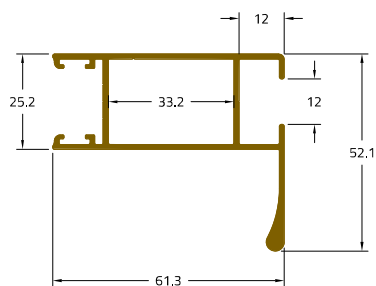
Sem Baguete

FERRAMENTA  
SOB CONSULTA

**VT-899** Montante Lateral / Central com Reforço

0,857 Kg/m Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2

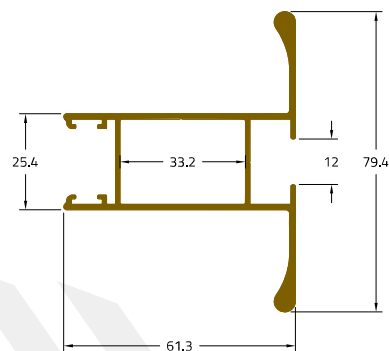


Sem Baguete

**VT-846** Montante Lateral / Central com Reforço

1,091 Kg/m Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2

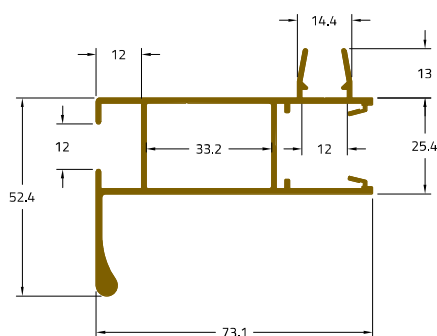


Sem Baguete

**VT-850** Montante com Mata Junta

1,100 Kg/m Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2

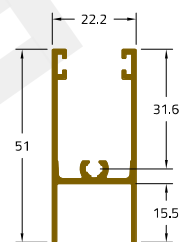


Sem Baguete

**VT-187** Travessa Superior / Inferior

0,517 Kg/m Encaixe: Montantes Laterais e Centrais

ESCALA 1:2

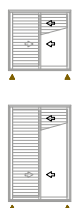
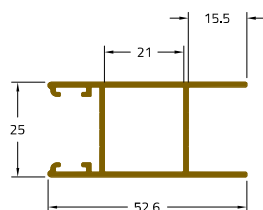


FERRAMENTA SOB CONSULTA

**VT-068** Montante Lateral / Central

0,550 Kg/m Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2

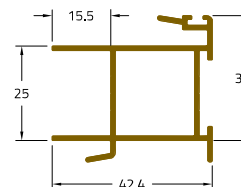


FERRAMENTA SOB CONSULTA

**VT-069** Montante Central com Engate Duplo

0,583 Kg/m Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2

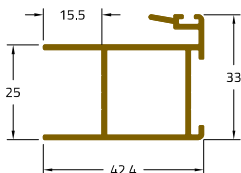


FERRAMENTA SOB CONSULTA

**VT-070** Montante Central com Engate

0,533 Kg/m Encaixe: Travessas Superior, Interm. e Inferior

ESCALA 1:2

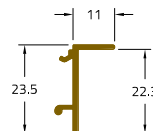


FERRAMENTA  
SOB CONSULTA

**VT-108** Complemento Veneziana

0,150 Kg/m Encaixe: Montantes e Travessas com baguele

ESCALA 1:2

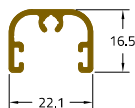


FERRAMENTA  
SOB CONSULTA

**VT-1070** Veda Montante

0,240 Kg/m Encaixe: VT-800/VT-799/VT-798/VT-797/  
VT-861/VT-859

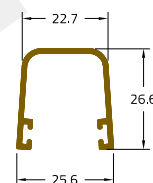
ESCALA 1:2



**VT-107** Vedação Montante

0,283 Kg/m Encaixe: VT-039/VT-044/VT-250/VT-844/VT-040/  
VT-041/VT-047/VT-049/VT-847/VT-849

ESCALA 1:2

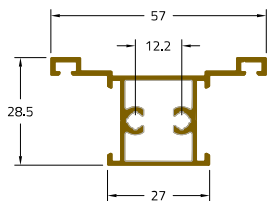
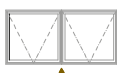


FERRAMENTA  
SOB CONSULTA

**VT-086** Coluna com Olhal

0,600 Kg/m Encaixe: VT-079/VT-379

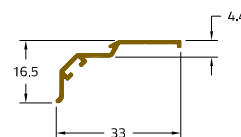
ESCALA 1:2



**VT-083** Pingadeira

0,150 Kg/m Encaixe: VT-079/VT-379

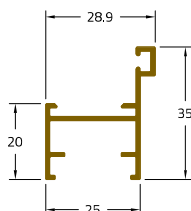
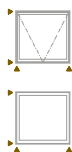
ESCALA 1:2





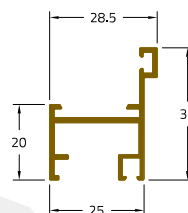
<b>VT-079</b>	<b>Marco Maxim-Ar</b>
0.350 Kg/m	Montagem 45°

ESCALA 1:2



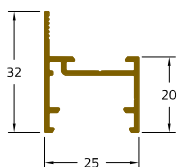
<b>VT-379</b>	<b>Marco Maxim-Ar</b>
0.360 Kg/m	Montagem 45°

ESCALA 1:2



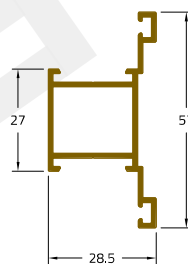
<b>VT-088</b>	<b>Marco Fixo</b>
0.317 Kg/m	Montagem 45°

ESCALA 1:2



<b>VT-085</b>	<b>Travessa</b>
0.500 Kg/m	Encaixe: VT-079/VT-379

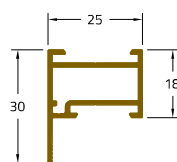
ESCALA 1:2



FERRAMENTA  
SOB CONSULTA

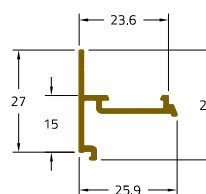
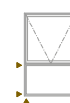
<b>VT-080</b>	<b>Travessa Superior da Folha</b>
0.367 Kg/m	Encaixe: VT-081/VT-200

ESCALA 1:2



<b>VT-292</b>	<b>Inversor para Bague</b>
0.206 Kg/m	Encaixe: VT-079/VT-379

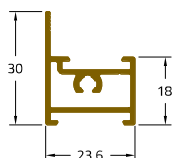
ESCALA 1:2



FERRAMENTA  
SOB CONSULTA

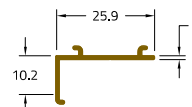
<b>VT-082</b>	<b>Travessa da Folha</b>
0,383 Kg/m	Encaixe: VT-081/VT-200

ESCALA 1:2



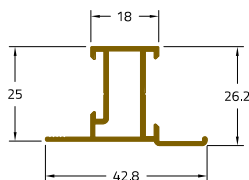
<b>VT-084</b>	<b>Pingadeira</b>
0,133 Kg/m	Encaixe: VT-080/VT-082

ESCALA 1:2



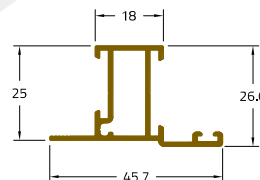
<b>VT-081</b>	<b>Montante e Travessa Inferior da Folha</b>
0,417 Kg/m	Encaixe: VT-080/VT-082

ESCALA 1:2



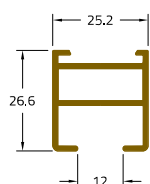
<b>VT-200</b>	<b>Montante e Travessa Inferior da Folha</b>
0,450 Kg/m	Encaixe: VT-080/VT-082

ESCALA 1:2



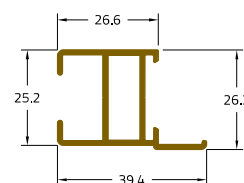
<b>VT-091</b>	<b>Travessa Superior da Folha</b>
0,400 Kg/m	Encaixe: VT-090/VT-900

ESCALA 1:2



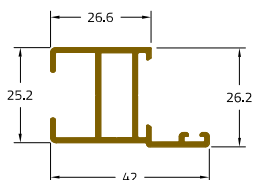
<b>VT-090</b>	<b>Montante e Travessa Inferior da Folha</b>
0,487 Kg/m	Encaixe: VT-091

ESCALA 1:2



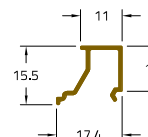
<b>VT-900</b>	<b>Montante e Travessa Inferior da Folha</b>
0,494 Kg/m	Encaixe: VT-091

ESCALA 1:2



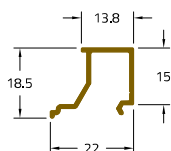
<b>VT-102</b>	<b>Baguete</b>
0,117 Kg/m	-

ESCALA 1:2



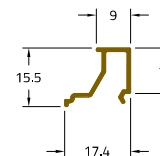
<b>VT-103</b>	<b>Baguete</b>
0,162 Kg/m	-

ESCALA 1:2



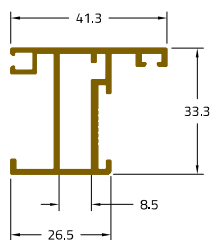
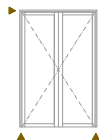
<b>VT-1028</b>	<b>Baguete</b>
0,108 Kg/m	-

ESCALA 1:2



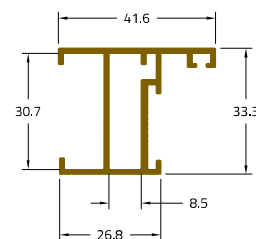
<b>VT-479</b>	<b>Marco Porta de Giro</b>
0,620 Kg/m	Montagem 45°

ESCALA 1:2



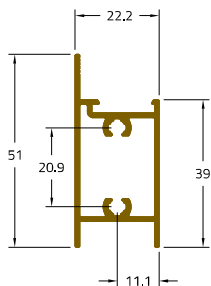
<b>VT-279</b>	<b>Marco Porta de Giro</b>
0,567 Kg/m	Montagem 45°

ESCALA 1:2



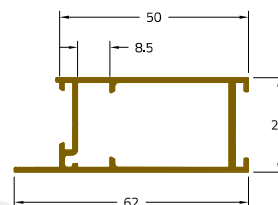
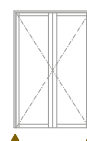
<b>VT-110</b>	<b>Travessa da Folha</b>
0.549 Kg/m	Encaixe: VT-111

ESCALA 1:2



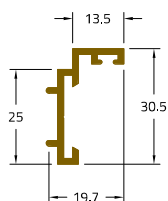
<b>VT-111</b>	<b>Montante e Travessa da Folha</b>
0.659 Kg/m	Encaixe: VT-110

ESCALA 1:2



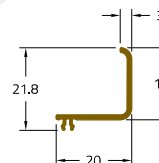
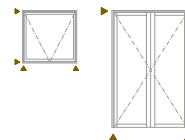
<b>25-548</b>	<b>Mata-Junta</b>
0.290 Kg/m	Encaixe: VT-110

ESCALA 1:2

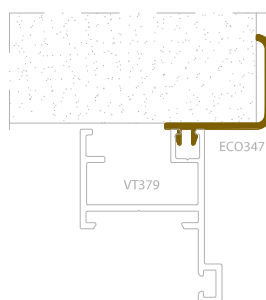


<b>ECO-347</b>	<b>Arremate</b>
0.140 Kg/m	Encaixe: VT-110/VT-479

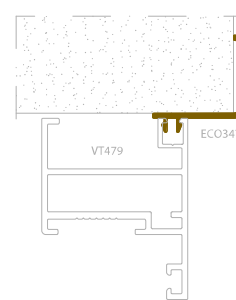
ESCALA 1:2



VT-379 - APLICAÇÃO COM ECO347

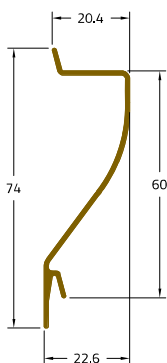


VT-479 - APLICAÇÃO COM ECO347



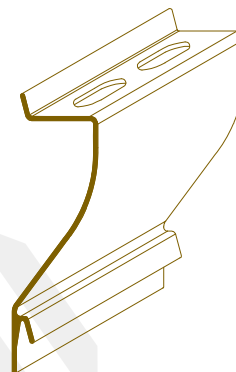
VZ-001	Veneziana
0,338 Kg/m	-

ESCALA 1:2



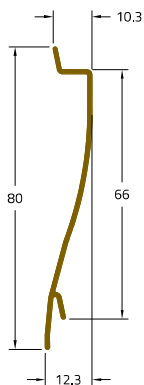
US-001	Veneziana Ventilada
0,338 Kg/m	-

ESCALA 1:2



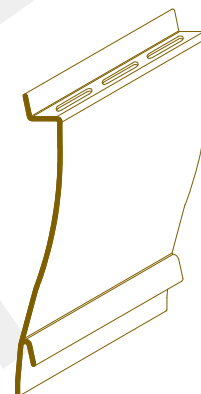
VZ-050	Veneziana
0,295 Kg/m	-

ESCALA 1:2



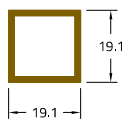
US-050	Veneziana Ventilada
0,295 Kg/m	-

ESCALA 1:2



TQ-055	Tubo Quadrado
0,300Kg/m	-

ESCALA 1:2



FERRAMENTA  
SOB CONSULTA

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CHU-864	Chumbador para Contramarco	7.013
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FIT-246	Escova de Vedação com Barreira Plástica 7,6 x 6 mm	7.014
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FRA-822	Fechadura para Porta de Giro	7.009
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GUA-053	Guarnição em EPDM	7.015
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GUA-171	Guarnição adesiva esponjosa 11 x 3 mm	7.015
GUA-172	Guarnição adesiva esponjosa 11 x 1,8 mm	7.015
GUA-239	Guarnição em EPDM	7.015
GUA-256	Guarnição em EPDM	7.016

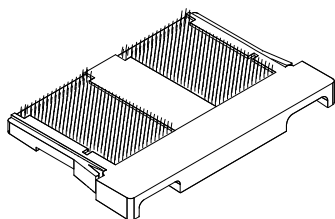


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GUA-259	Guarnição em EPDM	7.016
GUA-282	Guarnição adesiva esponjosa 22 x 2 mm	7.015
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**NYL-329**

Caixa de Dreno

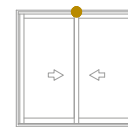
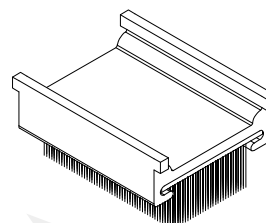
Aplicável nos Perfis:  
Marcos Inferiores



**NYL-335**

Vedação Superior

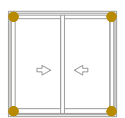
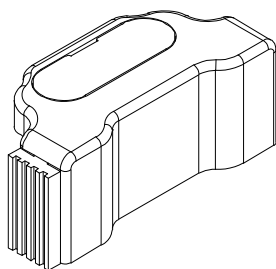
Aplicável nos Perfis:  
Marcos Superiores



**NYL-414**

Batedeira

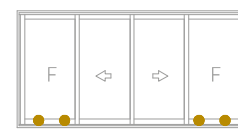
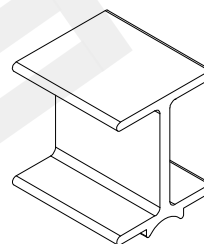
Aplicável nos Perfis:  
Marcos Inferiores e  
Superiores



**CAL-948**

Calço da Folha Fixa

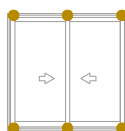
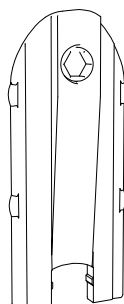
Aplicável nos Perfis:  
Travessas inferiores de  
janela e porta



**NYL-332**

Guia Deslizante

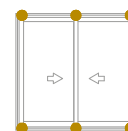
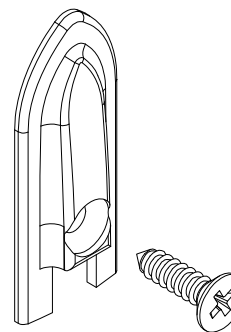
Aplicável nos Perfis:  
VT-039/VT-044/VT-250/VT-844/VT-040/VT-041  
VT-047/VT-049/VT-847/VT-849/VT-042/VT-245  
VT-280/VT-243/VT-242/VT-055/VT-060/VT-845  
VT-897/VT-056/VT-061/VT-057/VT-899/VT-846  
VT-850/VT-068/VT-069/VT-070



**GUI-005**

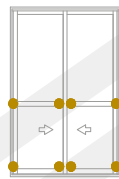
Guia Deslizante

Aplicável nos Perfis:  
VT-800/VT-799/VT-798  
VT-797/VT-861/VT-859



**NYL-042**

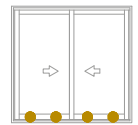
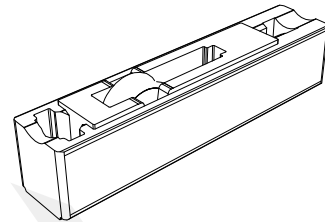
Tampa Furo 3/8"



**ROL-426**

Roldana com Regulagem e sem Rolamento para Janela (10 kg por folha)

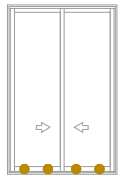
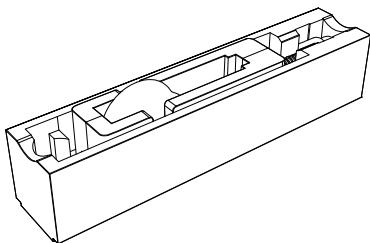
Aplicável nos Perfis: Travessas inferiores de janela



**ROL-440**

Roldana com Regulagem e Rolamento para Porta (40 kg por folha)

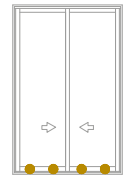
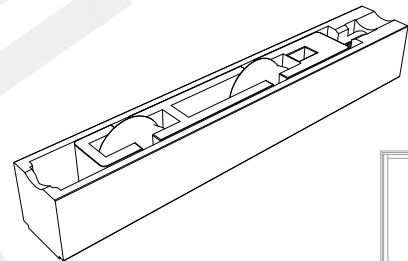
Aplicável nos Perfis: Travessas inferiores de porta



**ROL-439**

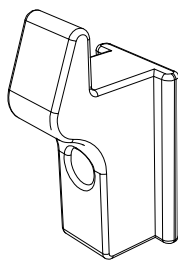
Roldana dupla com Regulagem e Rolamento para Porta (80 kg por folha)

Aplicável nos Perfis: Travessas inferiores de porta



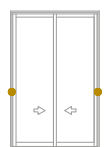
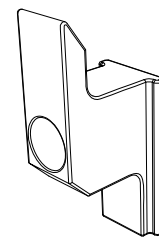
**CON-370**

Contra Fecho



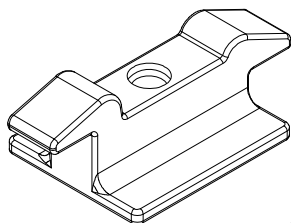
**CON-409**

Contra Fecho para Fechadura



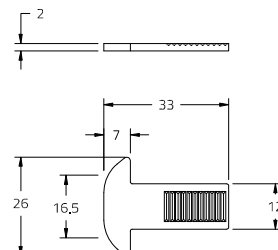
### FEC-055

Contra Fecho para Folha Fixa



### TRA-009

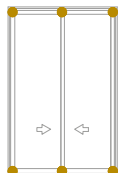
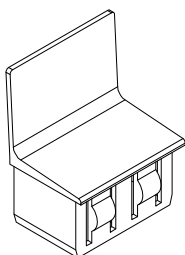
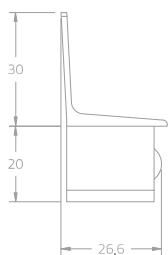
Lingueta para Fecho Concha



### NYL-356

Tampa Superior e Inferior para Montantes

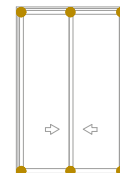
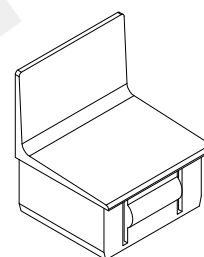
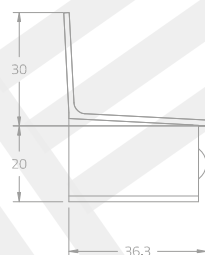
Aplicável nos Perfis:  
VT-044 / VT-060



### NYL-357

Tampa Superior e Inferior para Montantes

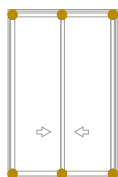
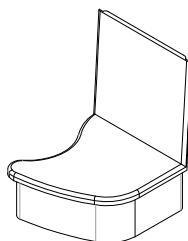
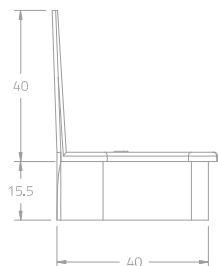
Aplicável nos Perfis:  
VT-047 / VT-049 / VT-061



### TAM-796

Tampa Superior e Inferior para Montantes

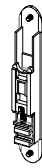
Aplicável nos Perfis:  
VT-844/VT-847/VT-849  
VT-798/VT-797/VT-897  
VT-861



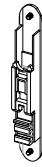
### FEC-7411

Fecho Concha para Janela

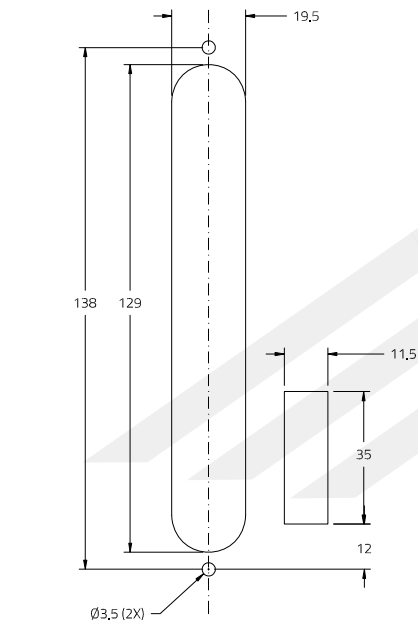
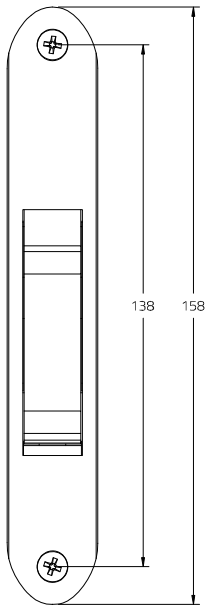
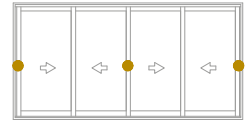
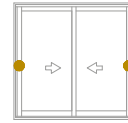
Aplicável nos Perfis:  
Montantes Laterais e Centrais  
sem engate



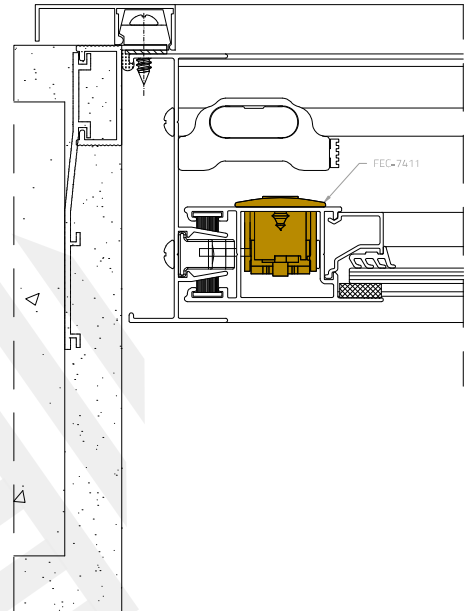
OPÇÃO  
COM MOLLA



OPÇÃO  
SEM MOLLA



VISTAS  
ESCALA 1:2

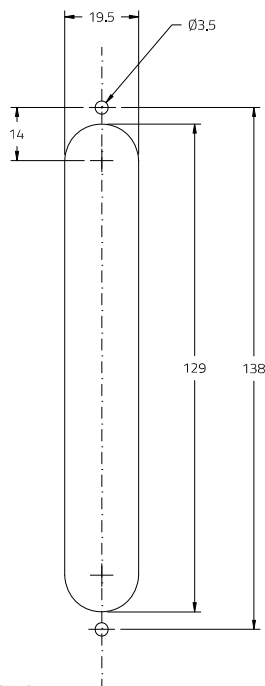
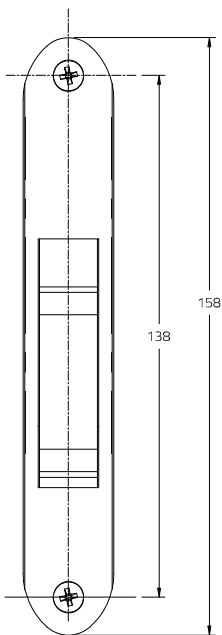
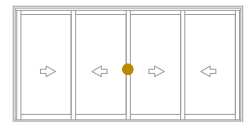


APLICAÇÃO  
ESCALA 1:2

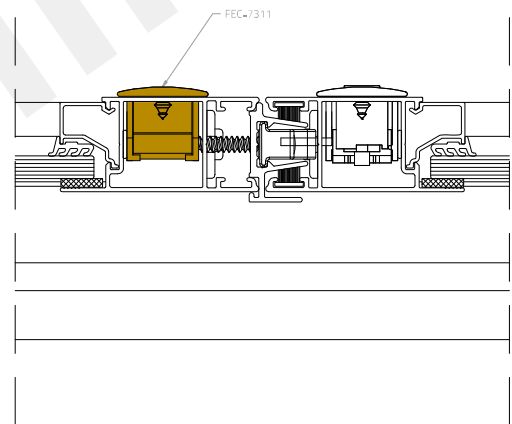
### CON-7311

Concha Cega para Janela

Aplicável nos Perfis:  
Montantes Centrais  
sem engate



VISTAS  
ESCALA 1:2

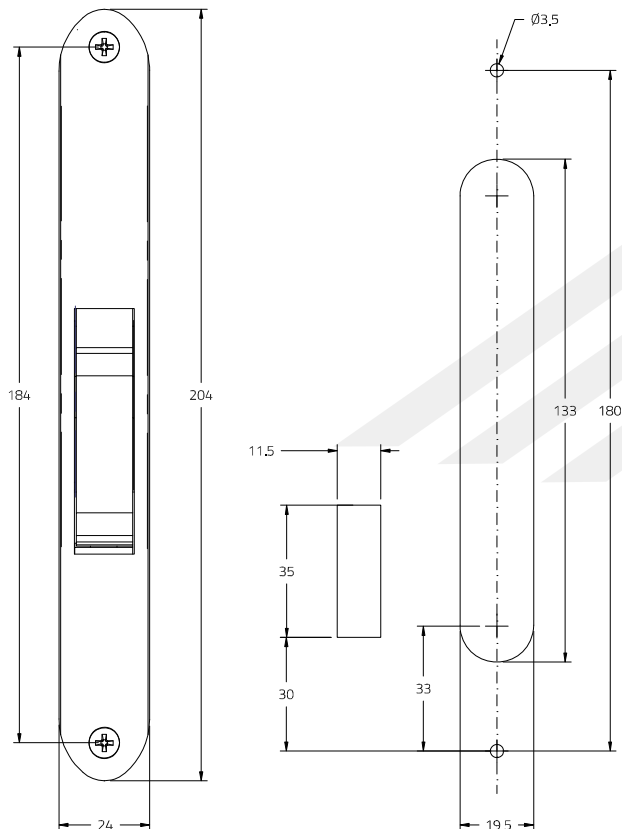
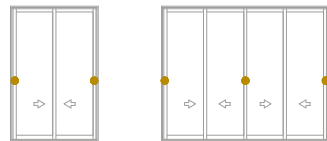


APLICAÇÃO  
ESCALA 1:2

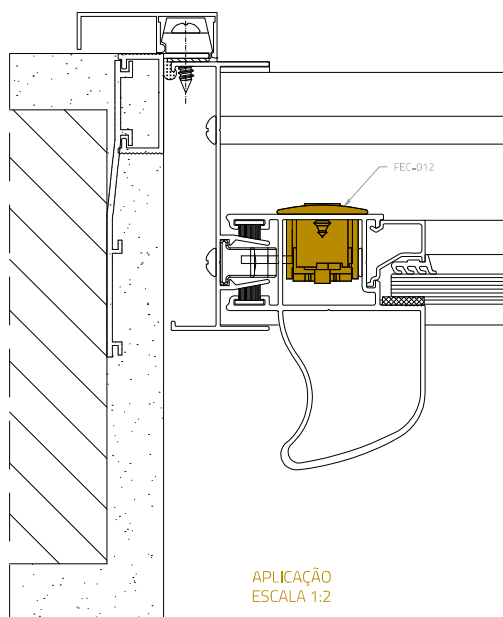
PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

### FEC-012

Fecho Concha para Porta



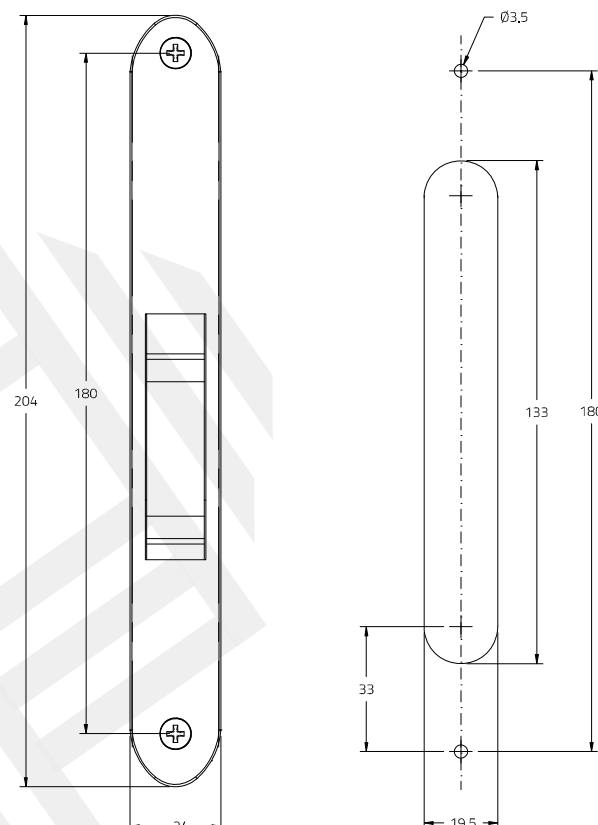
VISTAS  
ESCALA 1:2



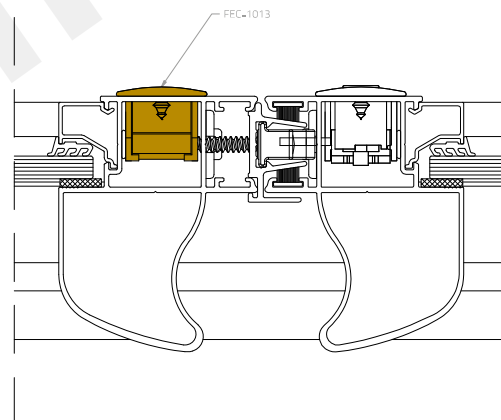
APLICAÇÃO  
ESCALA 1:2

### CON-1013

Concha Cega para Porta



VISTAS  
ESCALA 1:2



APLICAÇÃO  
ESCALA 1:2



# COMPONENTES

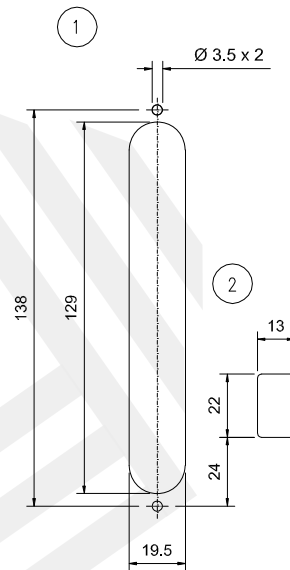
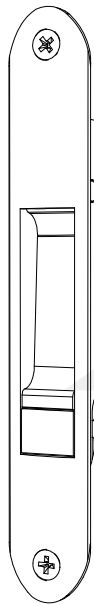
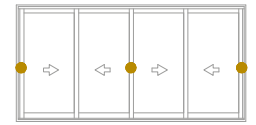
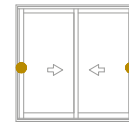
JANELAS E PORTAS DE CORRER

Sistema  
**EcoLine 2.5<sup>®</sup>**

**CON-7611**

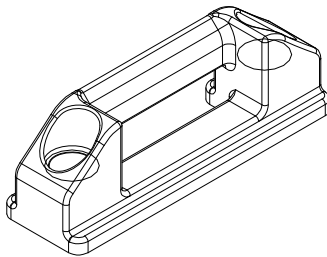
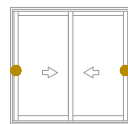
Fecho Concha para Janela (Gatilho)

Aplicável nos Perfis:  
Montantes Laterais e Centrais  
sem engate



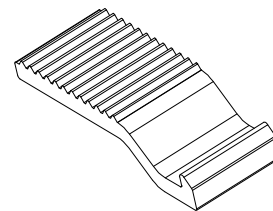
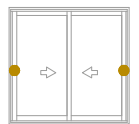
**CTF-7611**

Contra Fecho para CON-7611



**LIN-7611**

Lingueta para CON-7611

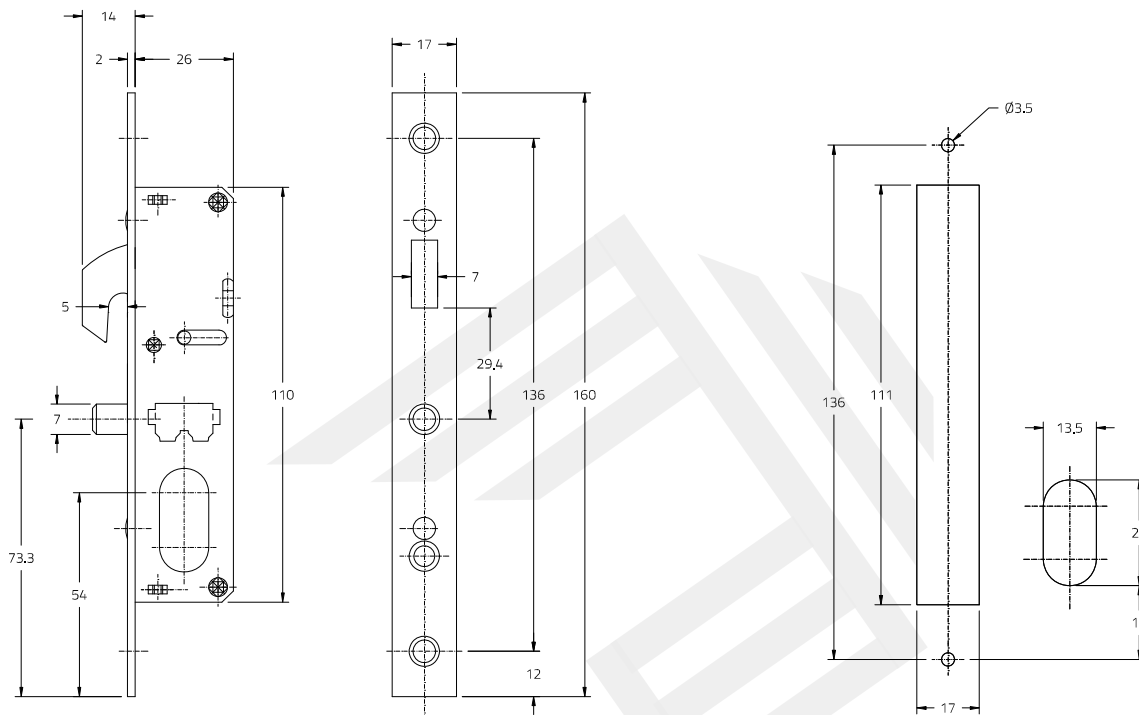
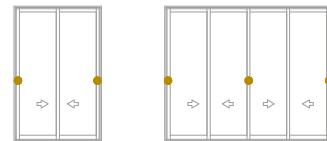


PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

**FRA-815**

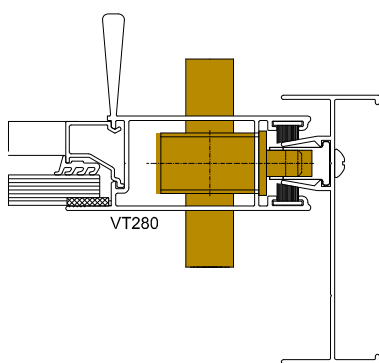
Fechadura para Porta de Correr

Aplicável nos Perfis:  
Montantes Laterais e Centrais  
sem engate



VISTAS  
ESCALA 1:2

DETALHE DE USINAGEM  
ESCALA 1:2

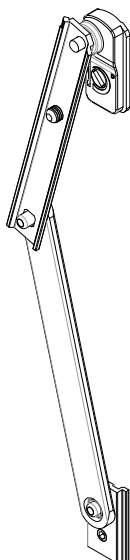
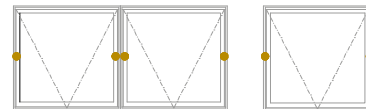


APLICAÇÃO  
ESCALA 1:2

### BRA-(VER TABELA)

Braço para folha maxim-ar

Aplicável nos Perfis:  
VT-081 / VT-200  
VT-090 / VT-900

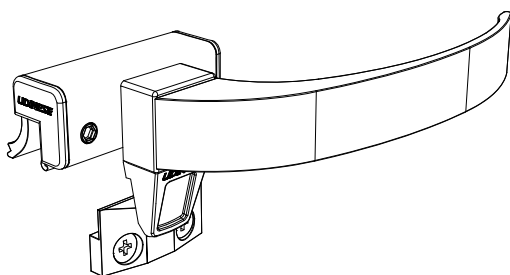


CÓDIGO	DIMENSÃO	LARGURA	ALTURA DA FOLHA		CARGA MÁXIMA
			MÍN. (MM)	MÁX. (MM)	
BRA-705	250	750	270	500	6 KG
BRA-704	400	750	400	650	8 KG
BRA-702	500	750	520	810	10 KG
BRA-703	750	750	810	900	11 KG
BRA-725	810	750	900	1200	15 KG

### FEC-009

Fecho para Maxim-ar

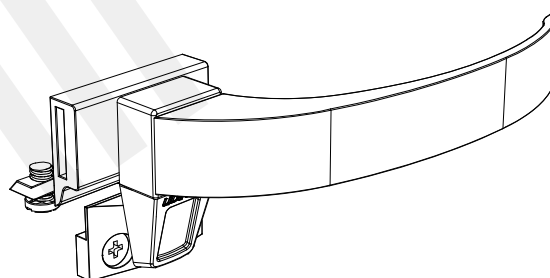
Aplicável nos Perfis:  
VT-082/VT-081/VT-200



### FEC-010

Fecho para Maxim-ar

Aplicável nos Perfis:  
VT-900/VT-090



# COMPONENTES

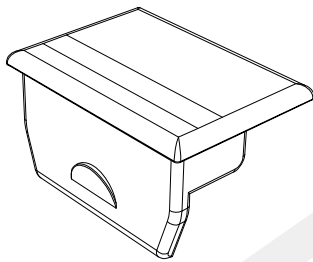
JANELAS E PORTAS DE CORRER

Sistema  
**EcoLine 2.5<sup>®</sup>**

**NYL-355**

Tampa para Folha Maxim-ar

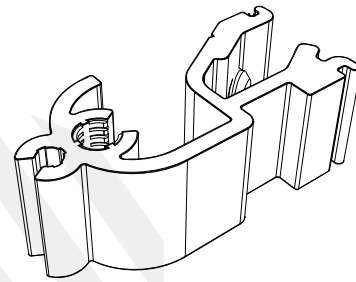
Aplicável nos Perfis:  
VT-081/VT-200



**CON-376**

Fixador de Travessa para Maxim-ar

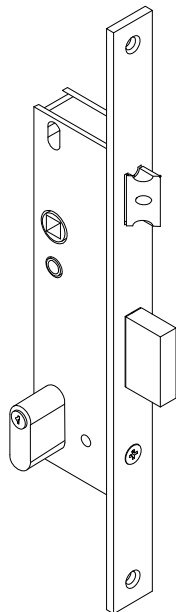
Aplicável no Perfil:  
VT-085



**FRA-822**

Fechadura para Porta de Giro

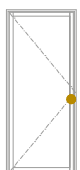
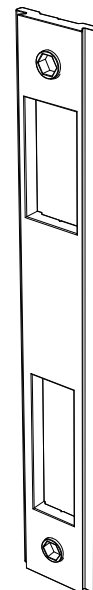
Aplicável no Perfil:  
VT-111



**CON-295**

Contra Testa para Porta de Giro

Aplicável nos Perfis:  
VT-279/VT-479

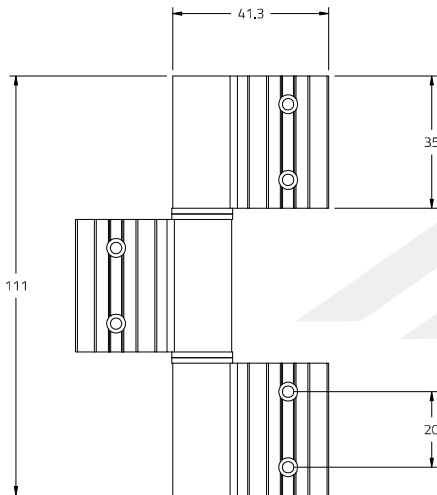
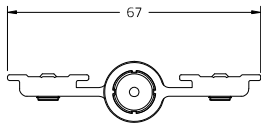


PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

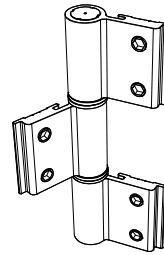
### DOB-840

Dobradiça para Porta de Giro

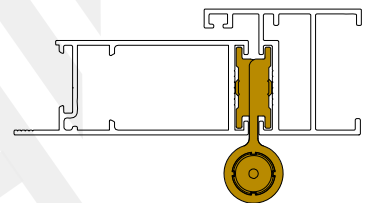
Aplicável nos Perfis:  
VT-279/VT-479/VT-111



VISTAS  
ESCALA 1:2



PERSPECTIVA  
SEM ESCALA

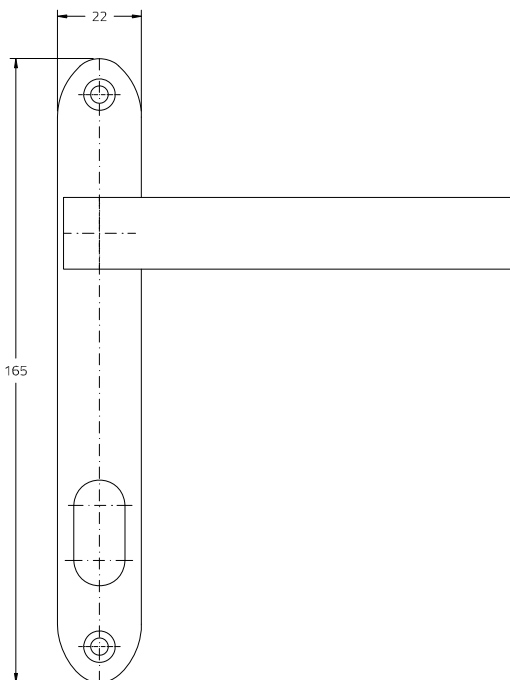


APLICAÇÃO  
ESCALA 1:2

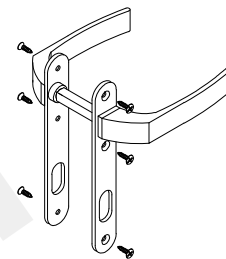
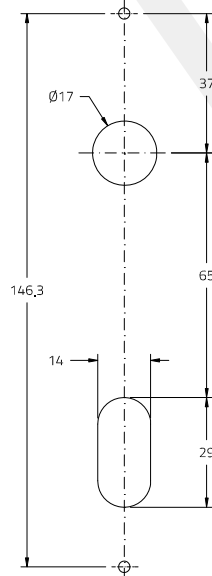
### MAC-927

Maçaneta para Porta de Giro

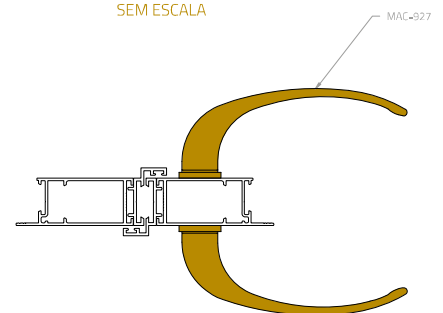
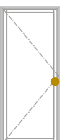
Aplicável no Perfil:  
VT-111



VISTAS  
ESCALA 1:2



PERSPECTIVA  
SEM ESCALA

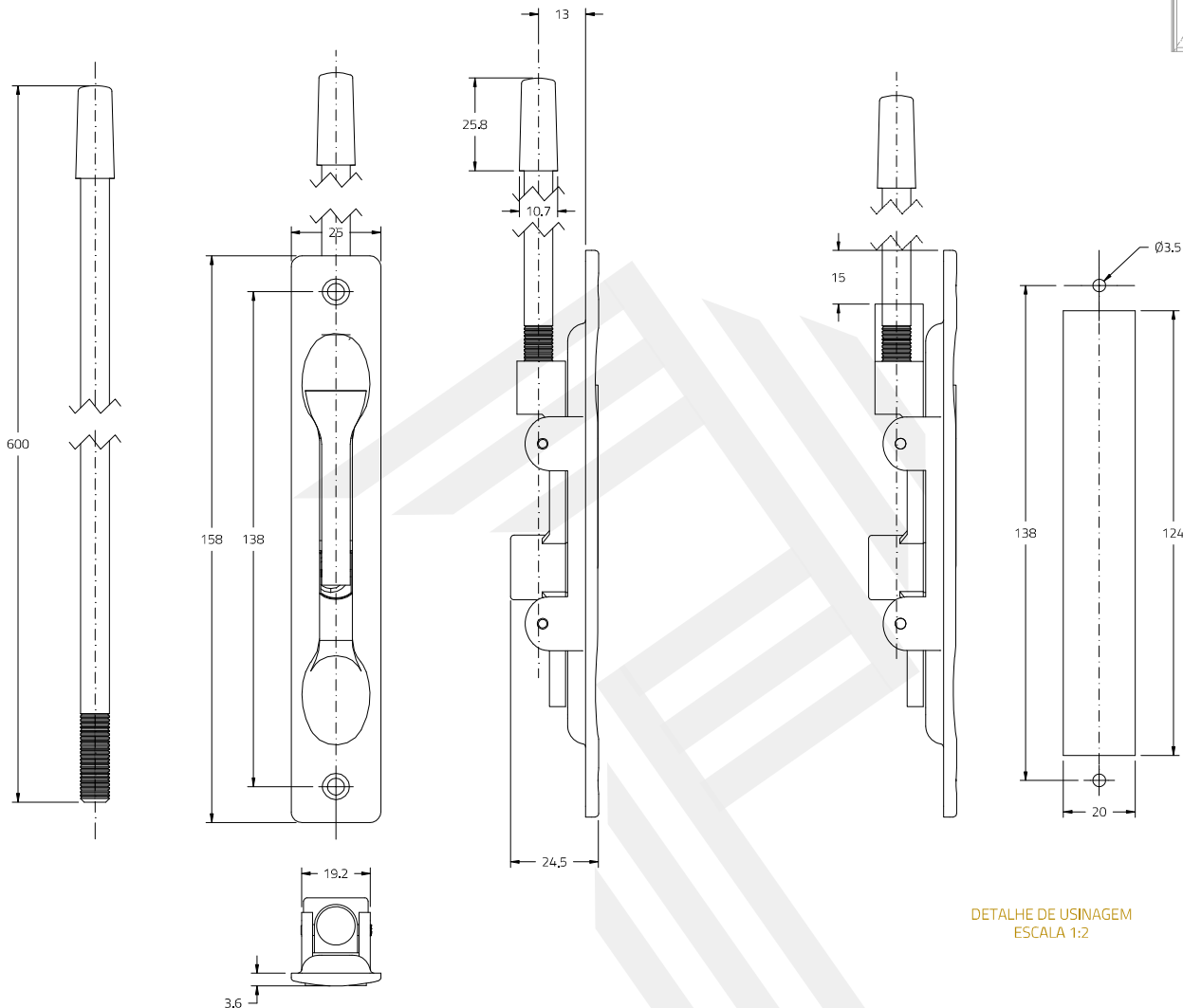
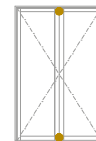


APLICAÇÃO  
ESCALA 1:4

**FEC-1900**

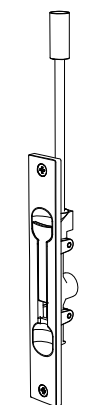
Fecho Unha para Porta de Giro

Aplicável no Perfil:  
VT-111

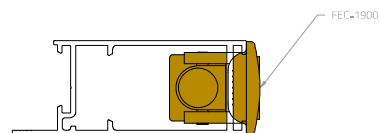


VISTAS  
ESCALA 1:2

DETALHE DE USINAGEM  
ESCALA 1:2



PERSPECTIVA  
SEM ESCALA



APLICAÇÃO  
ESCALA 1:2

PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

# COMPONENTES

JANELAS E PORTAS DE CORRER

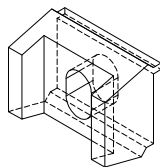
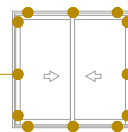
Sistema  
**EcoLine 2.5<sup>®</sup>**

**NYL-190**

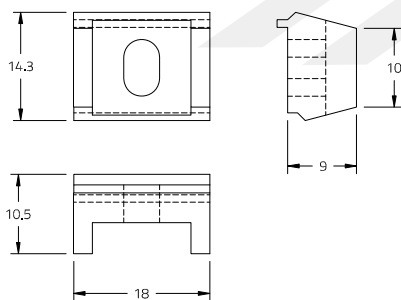
Presilha do Arremate

Aplicável em todas as tipologias

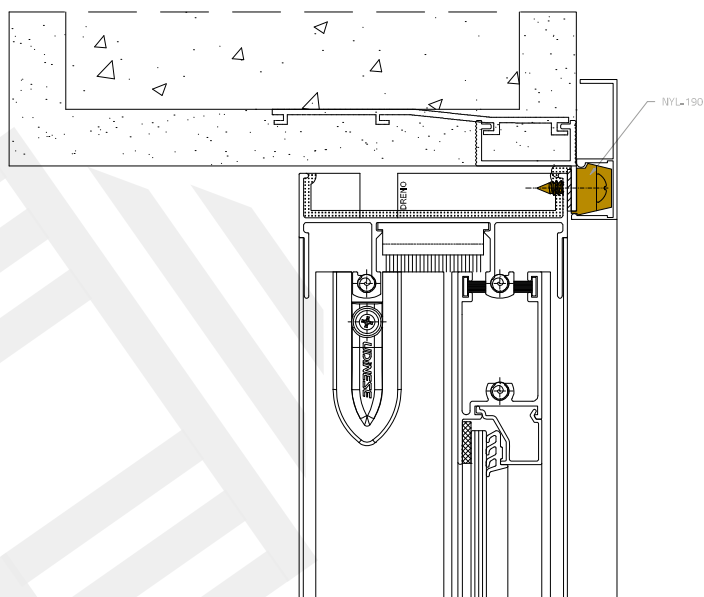
Recomendamos a utilização de 01 peça a cada 500 mm



PERSPECTIVA SEM ESCALA



VISTAS ESCALA 1:2



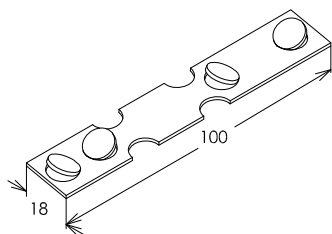
APLICAÇÃO ESCALA 1:2

**CHU-PER01**

Chumbador para Contramarco

Aço Galvanizado

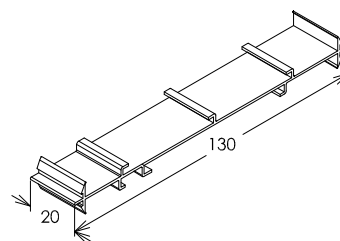
Aplicável nos Perfis:  
CM-200/CM-ECO



**CHU-838**

Chumbador para Contramarco

Aplicável no Perfil:  
CM-200

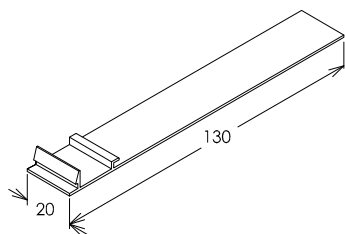




### CHU-840

Chumbador para Contramarco

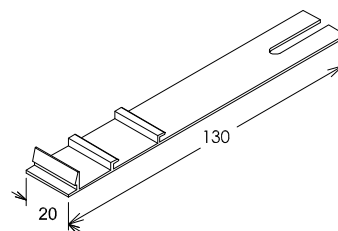
Aplicável no Perfil:  
CM-200



### CHU-864

Chumbador para Contramarco

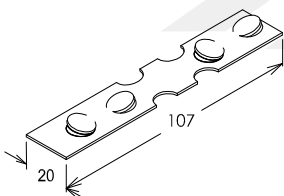
Aplicável nos Perfis:  
CM-200/CM-174



### CHU-787

Chumbador para Contramarco

Aplicável nos Perfis:  
CM-200/CM-060



### PAR-437PH

Parafuso Auto Atarraxante  
Ø 3,5 x 9,5 mm

- Cabeça Painela
- Fenda Philips
- Inox



### PAR-936PH

Parafuso Auto Atarraxante  
Ø 4,2 x 16 mm

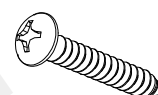
- Cabeça Painela
- Fenda Philips
- Inox



### PAR-693PH

Parafuso Auto Atarraxante  
Ø 4,2 x 25 mm

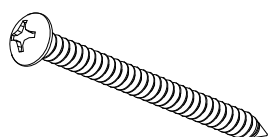
- Cabeça Painela
- Fenda Philips
- Inox



### PAR-694PH

Parafuso Auto Atarraxante  
Ø 4,2 x 32 mm

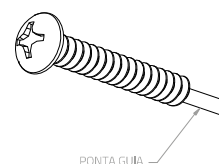
- Cabeça Painela
- Fenda Philips
- Inox



### PAR-428PH

Parafuso Auto Atarraxante  
Ø 4,8 x 38 mm

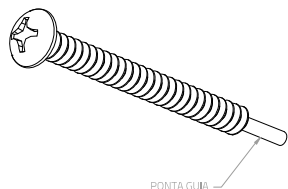
- Cabeça Painela
- Fenda Philips
- Inox



### PAR-431PH

Parafuso Auto Atarraxante  
Ø 4,8 x 50 mm

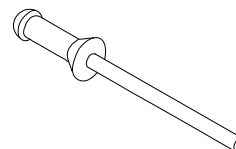
- Cabeça Panela
- Fenda Philips
- Inox



### REB-115

Rebite de Repuxo  
Ø 4 x 10,2 mm

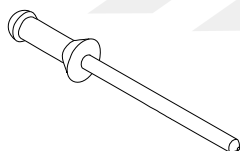
Equivalência: REB-540



### REB-117

Rebite de Repuxo  
Ø 3,2 x 10,2 mm

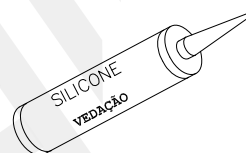
Equivalência: REB-440



### SIL-706

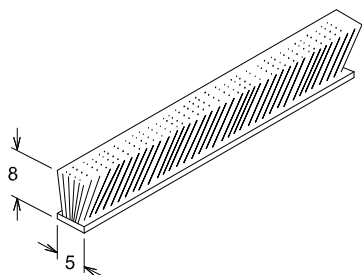
Silicone cura neutra para vedação

Cores:  
Branco / Preto / Incolor / Cinza



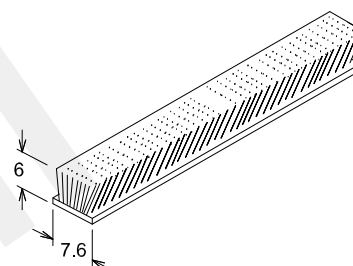
### FIT-212

Escova de Vedação com  
Barreira Plástica - 5 x 8 mm



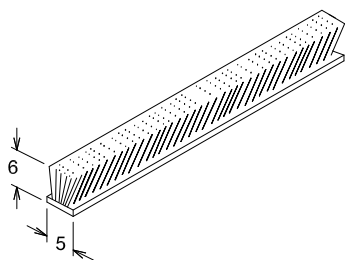
### FIT-246

Escova de Vedação com  
Barreira Plástica - 7,6 x 6 mm



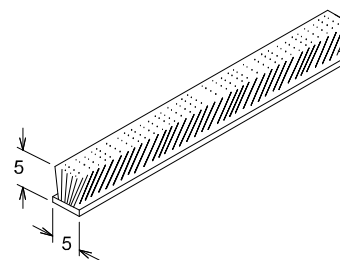
### FIT-206

Escova de Vedação com  
Barreira Plástica - 5 x 6 mm



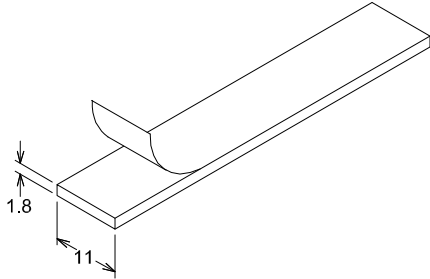
### FIT-200

Escova de Vedação com  
Barreira Plástica - 5 x 5 mm



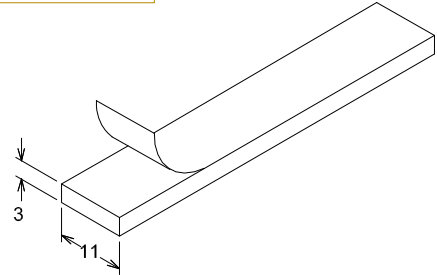
### GUA-172

Guarnição adesiva  
esponjosa - 11 x 1,8 mm



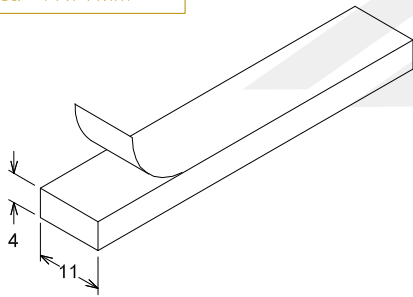
### GUA-171

Guarnição adesiva  
esponjosa - 11 x 3 mm



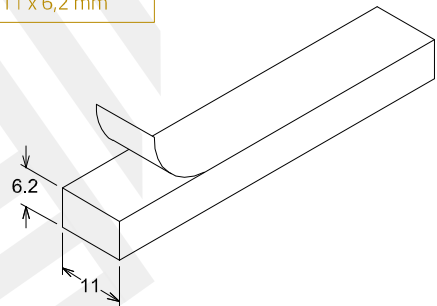
### GUA-258

Guarnição adesiva  
esponjosa - 11 x 4 mm



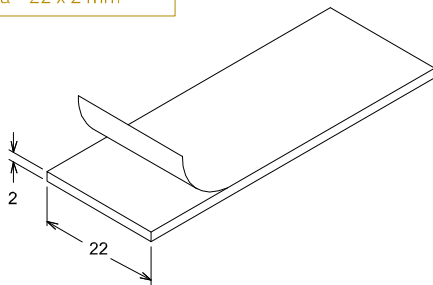
### GUA-157

Guarnição adesiva  
esponjosa - 11 x 6,2 mm



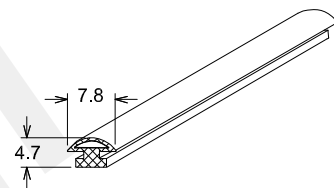
### GUA-282

Guarnição adesiva  
esponjosa - 22 x 2 mm



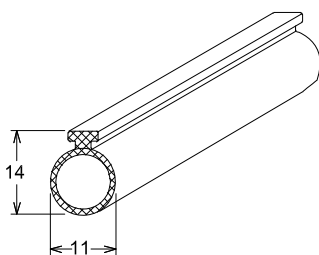
### GUA-053

Guarnição em EPDM



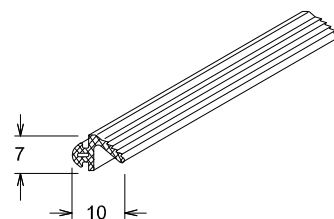
### GUA-007

Guarnição em EPDM



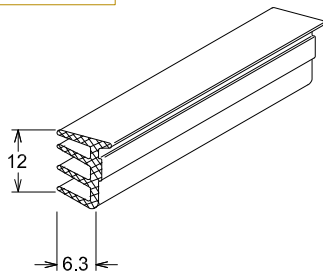
### GUA-239

Guarnição em EPDM



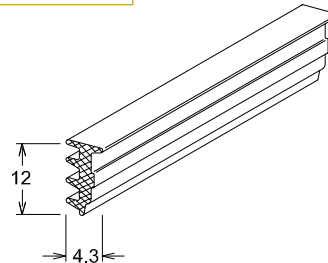
### GUA-256

Guarnição em EPDM



### GUA-259

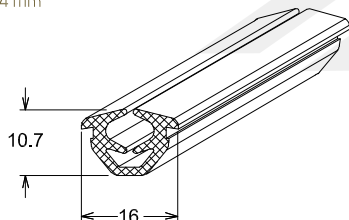
Guarnição em EPDM



### GUA-284

Guarnição em EPDM

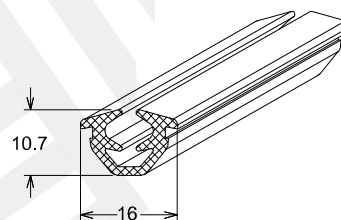
Para vidro de 4 mm



### GUA-283

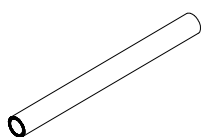
Guarnição em EPDM

Para vidros de 5 e 6 mm



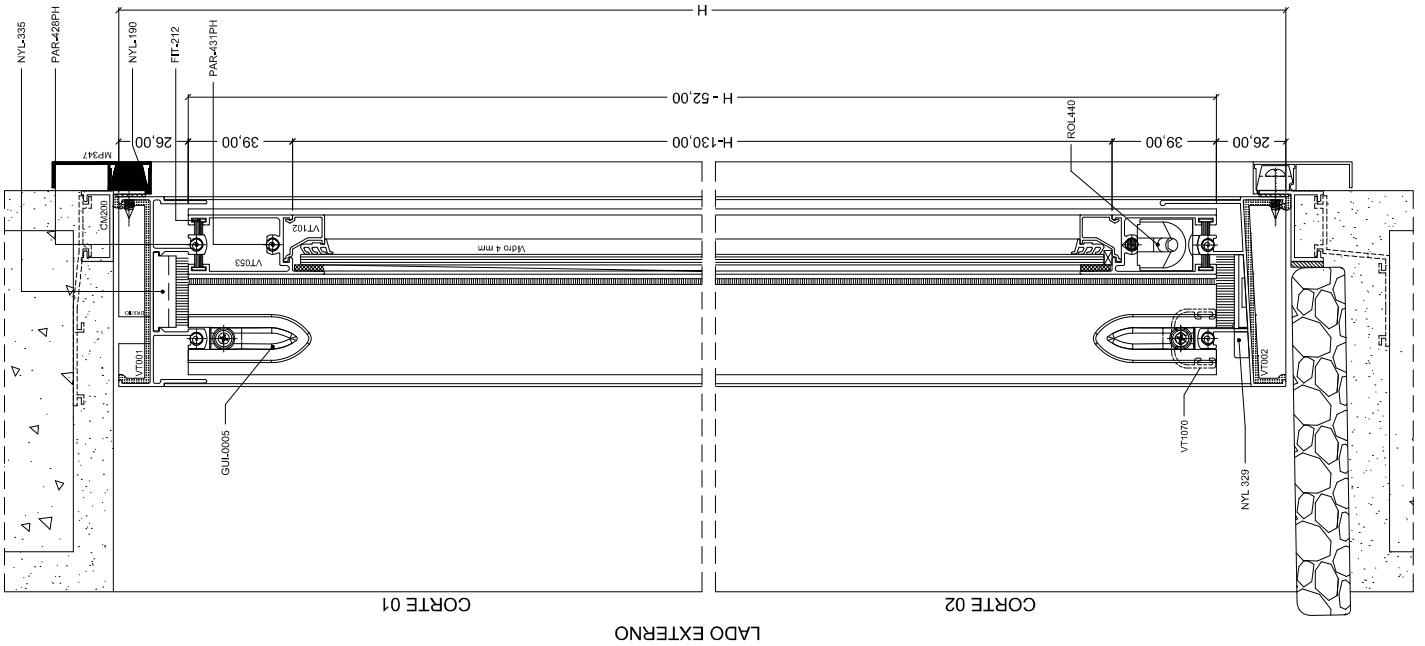
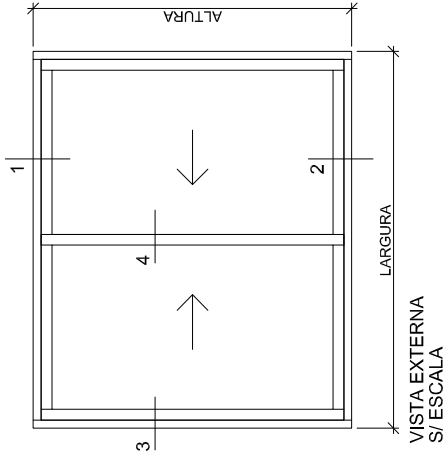
### GUA-006

Guarnição em EPDM



## JANELA DE CORRER 2 FOLHAS

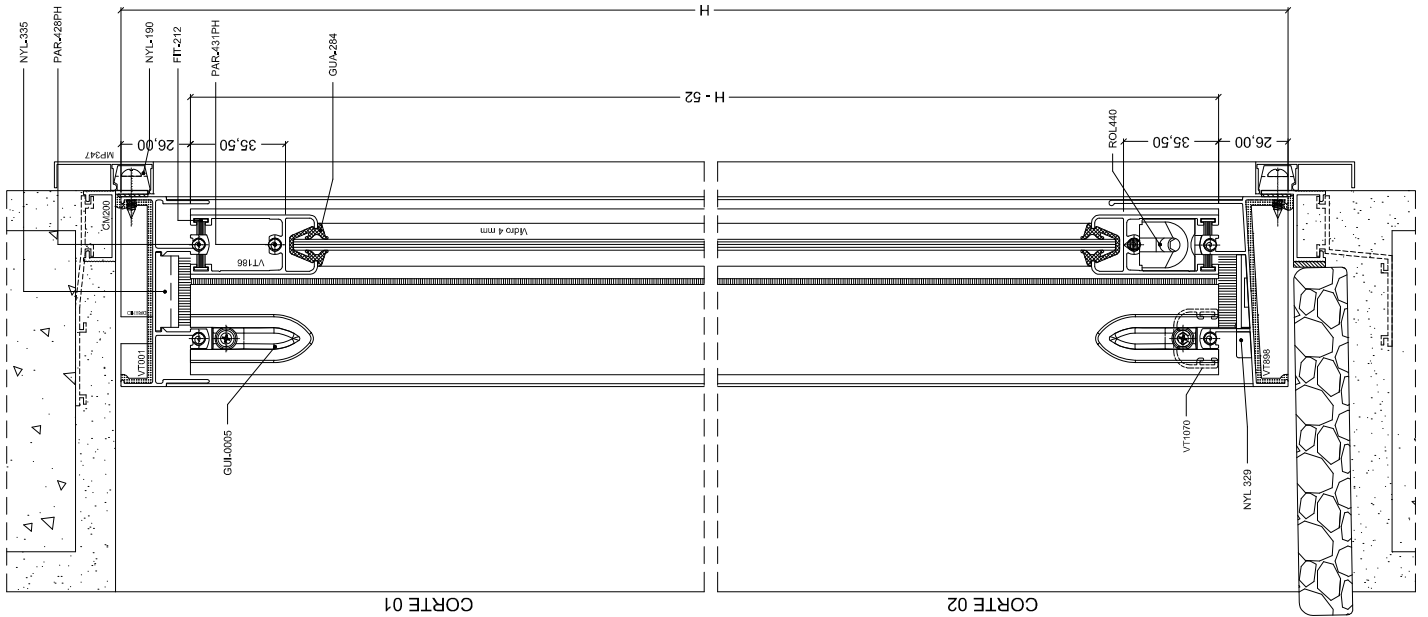
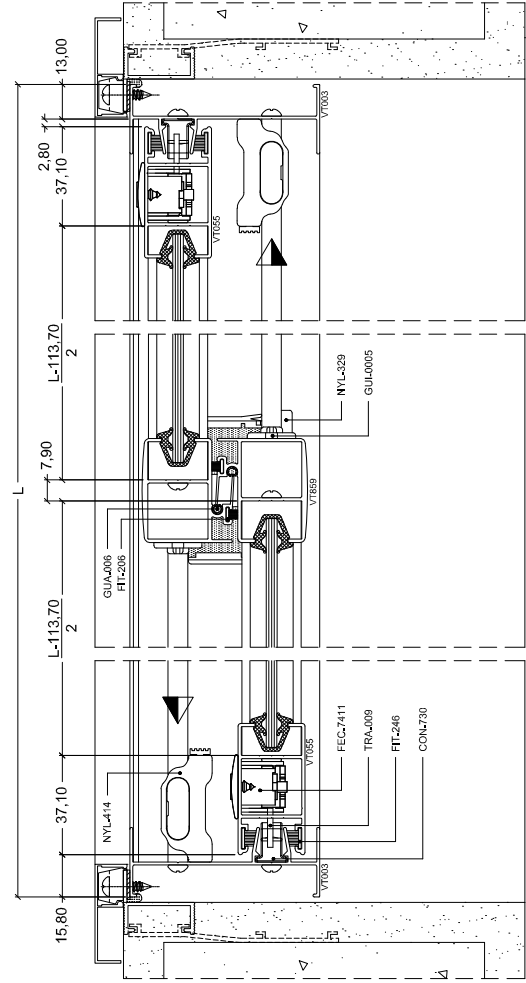
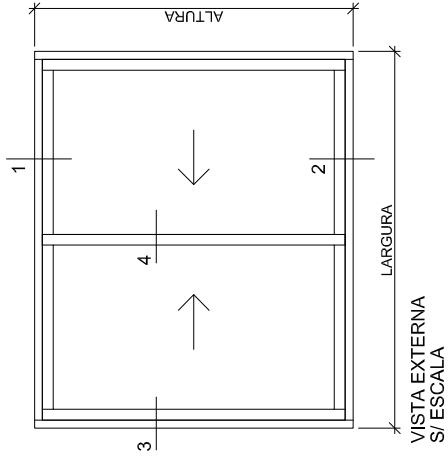
OPÇÃO COM BAGUETE



PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

## JANELA DE CORRER 2 FOLHAS

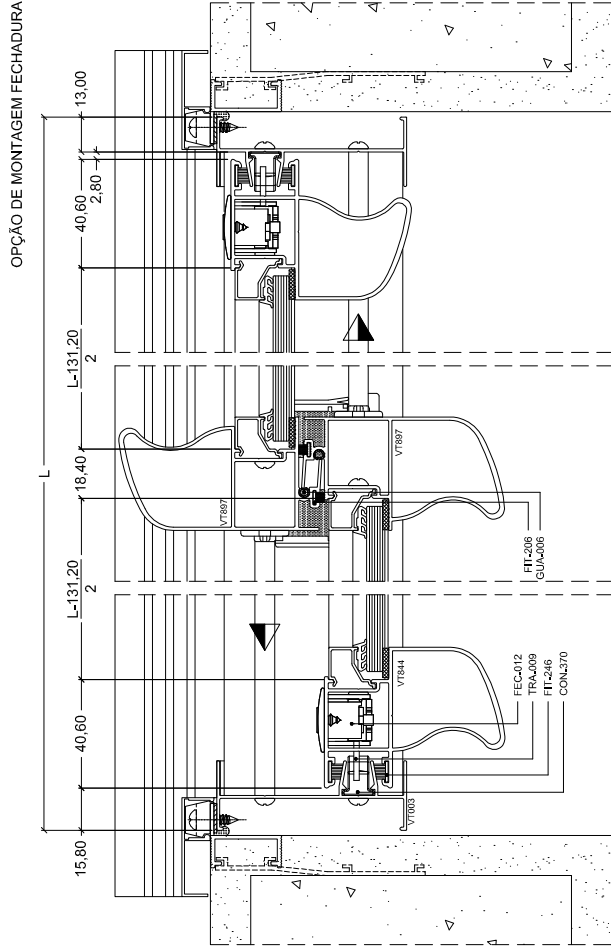
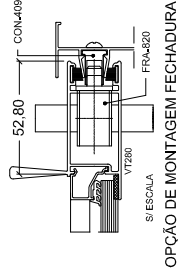
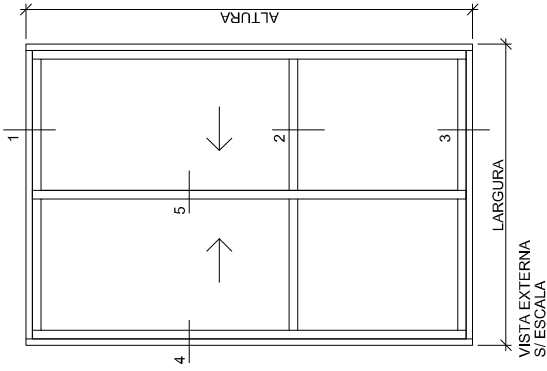
OPÇÃO SEM BAGUETE



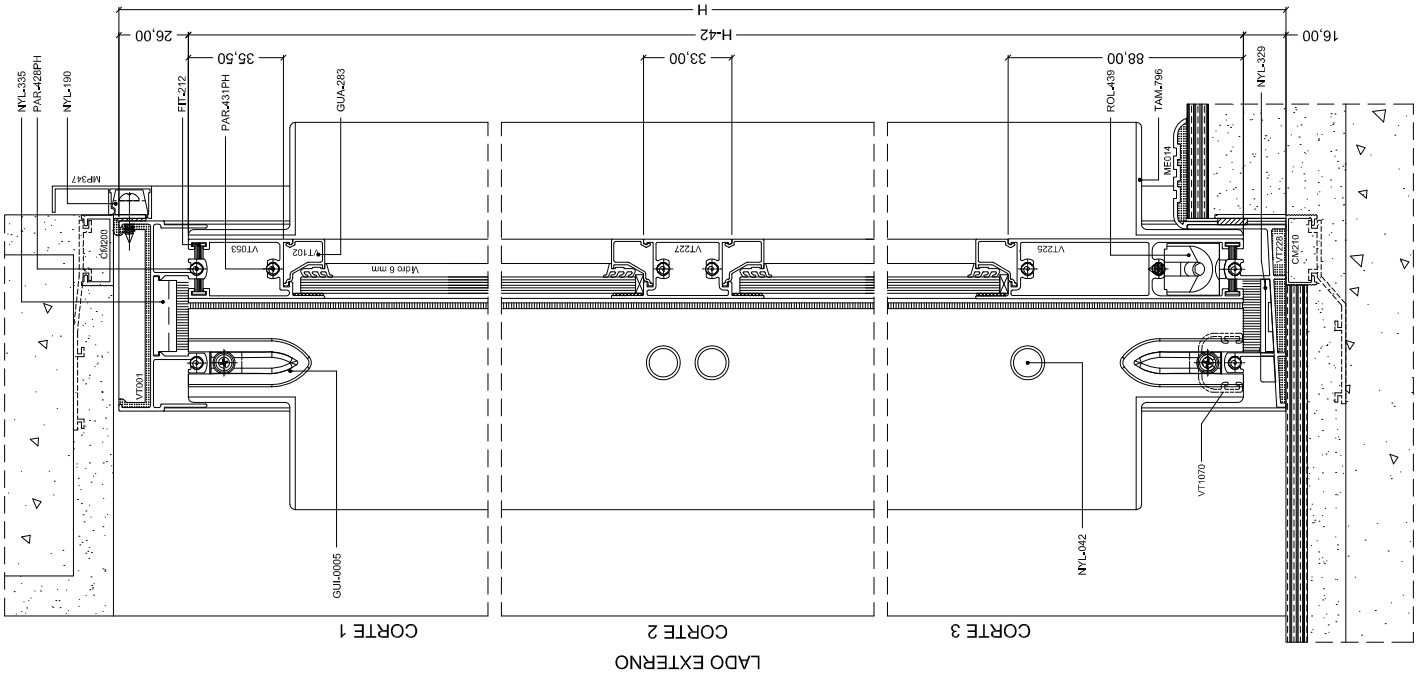
PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

PORTA DE CORRER 2 FOLHAS

OPÇÃO COM BAGUETE



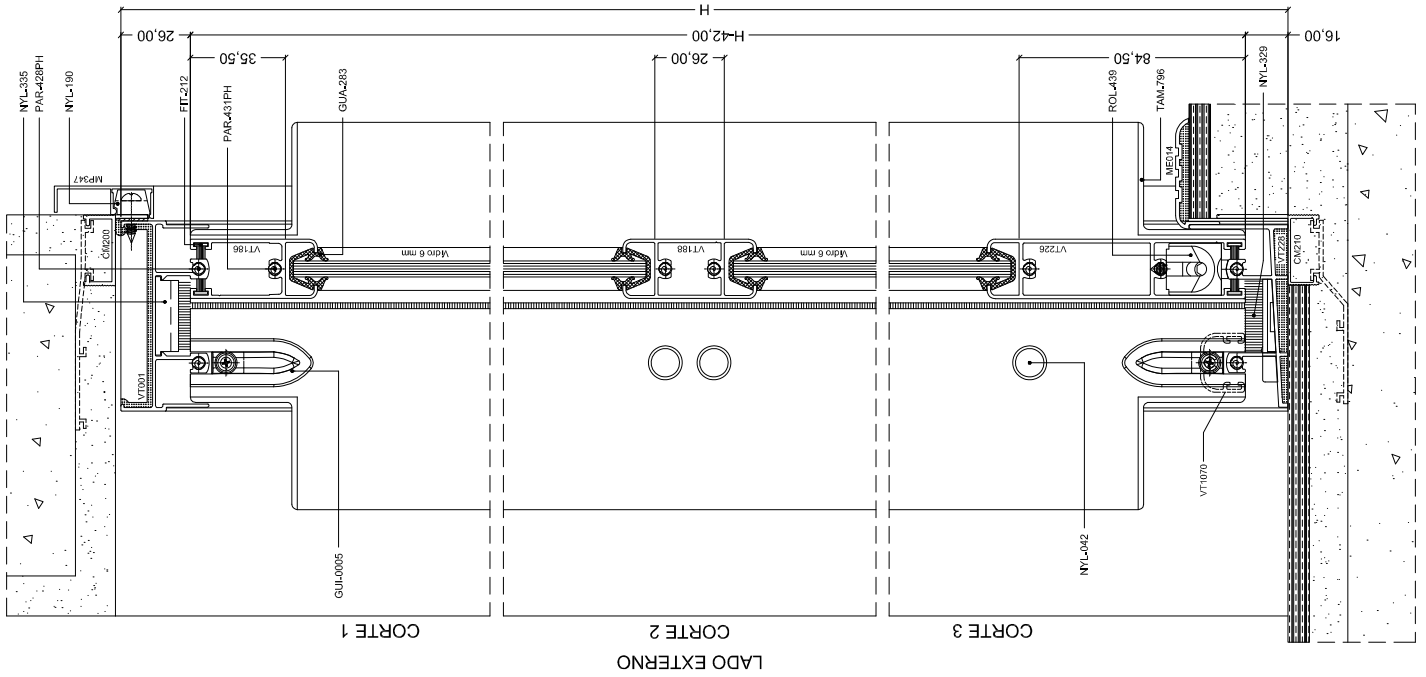
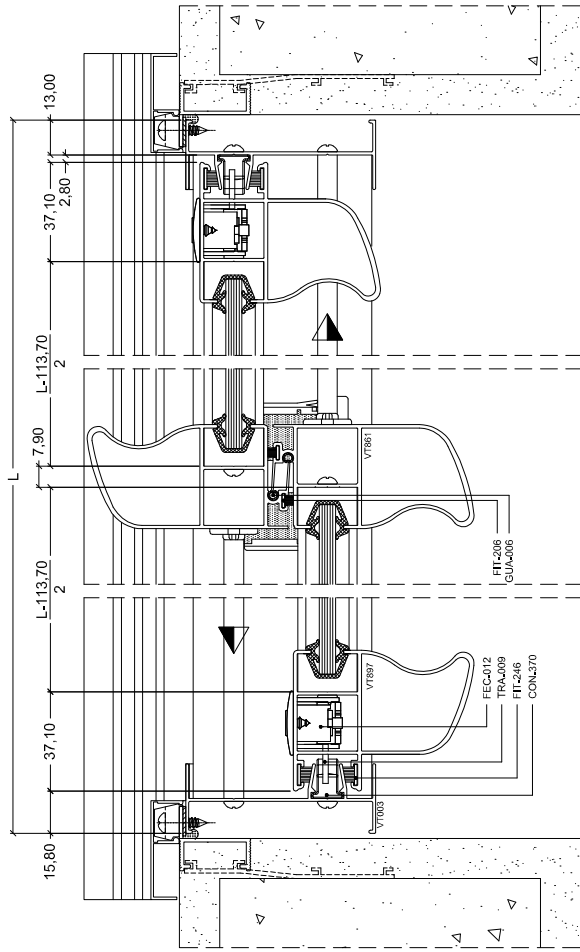
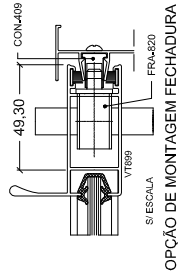
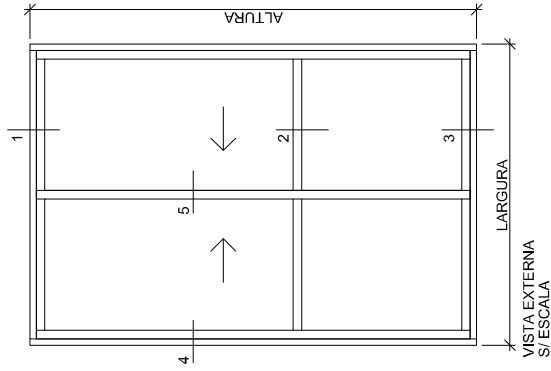
LADO EXTERNO



PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

## PORTA DE CORRER 2 FOLHAS

OPÇÃO SEM BAGUETE

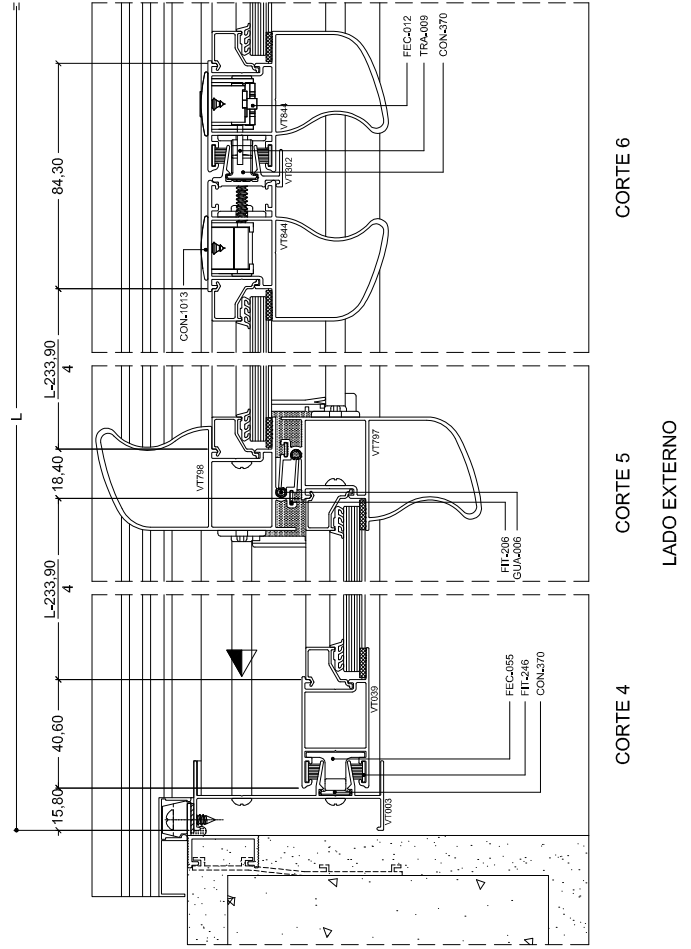
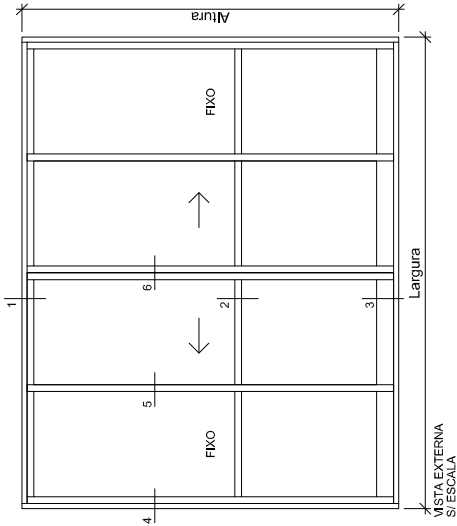
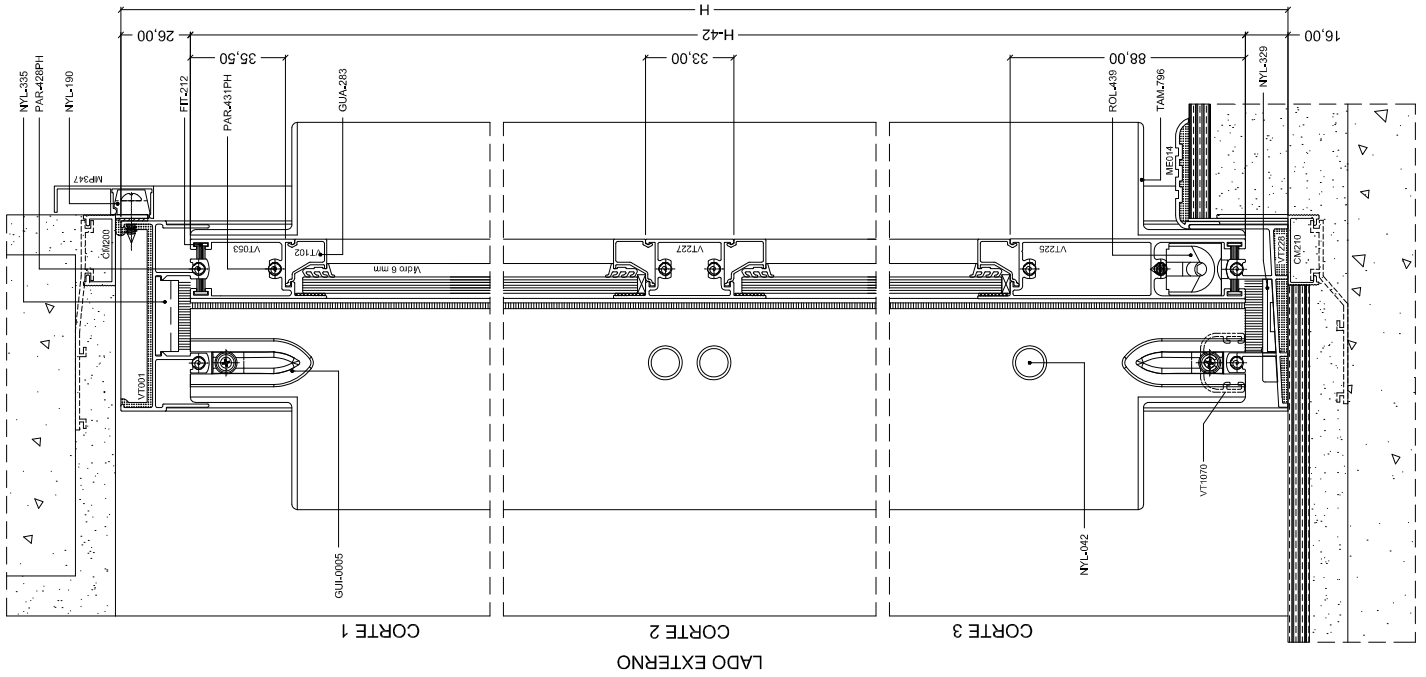


PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.



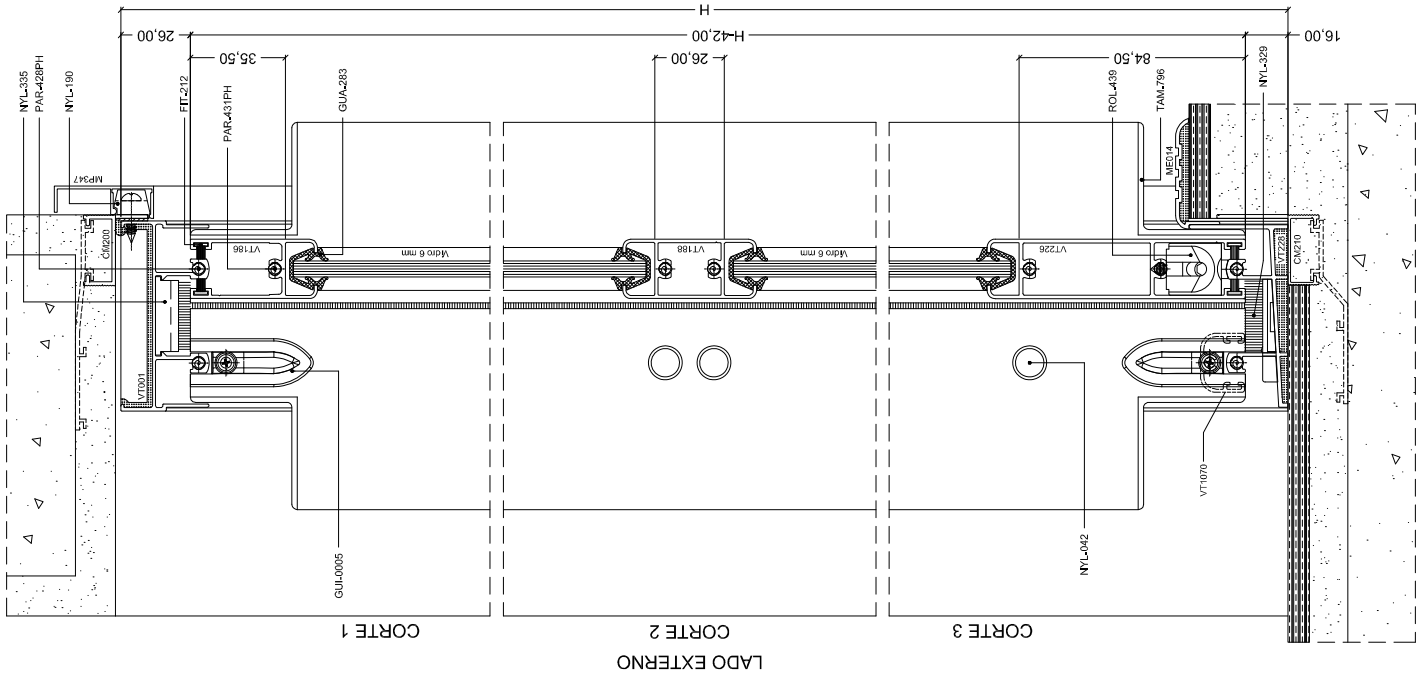
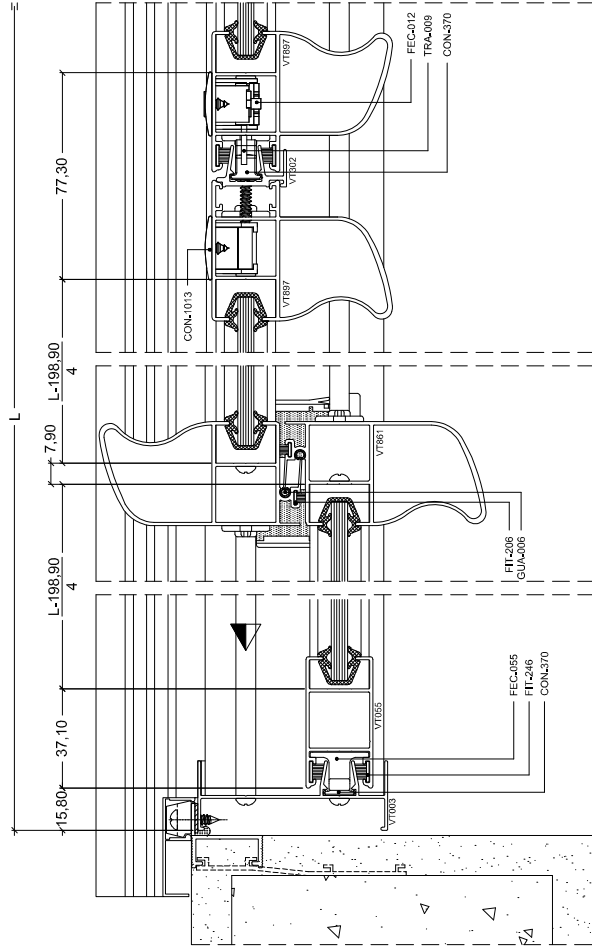
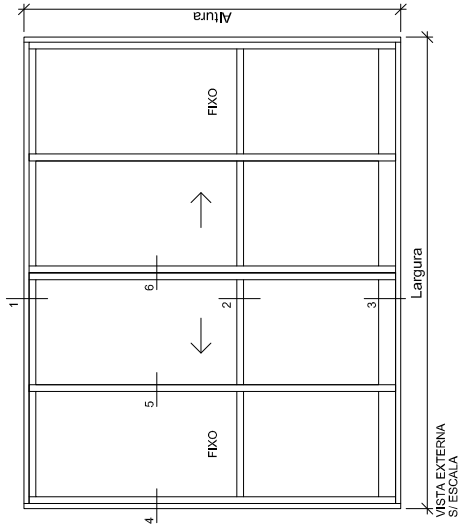
## PORTA DE CORRER 4 FOLHAS

OPÇÃO COM BAGUETE



PORTA DE CORRER 4 FOLHAS

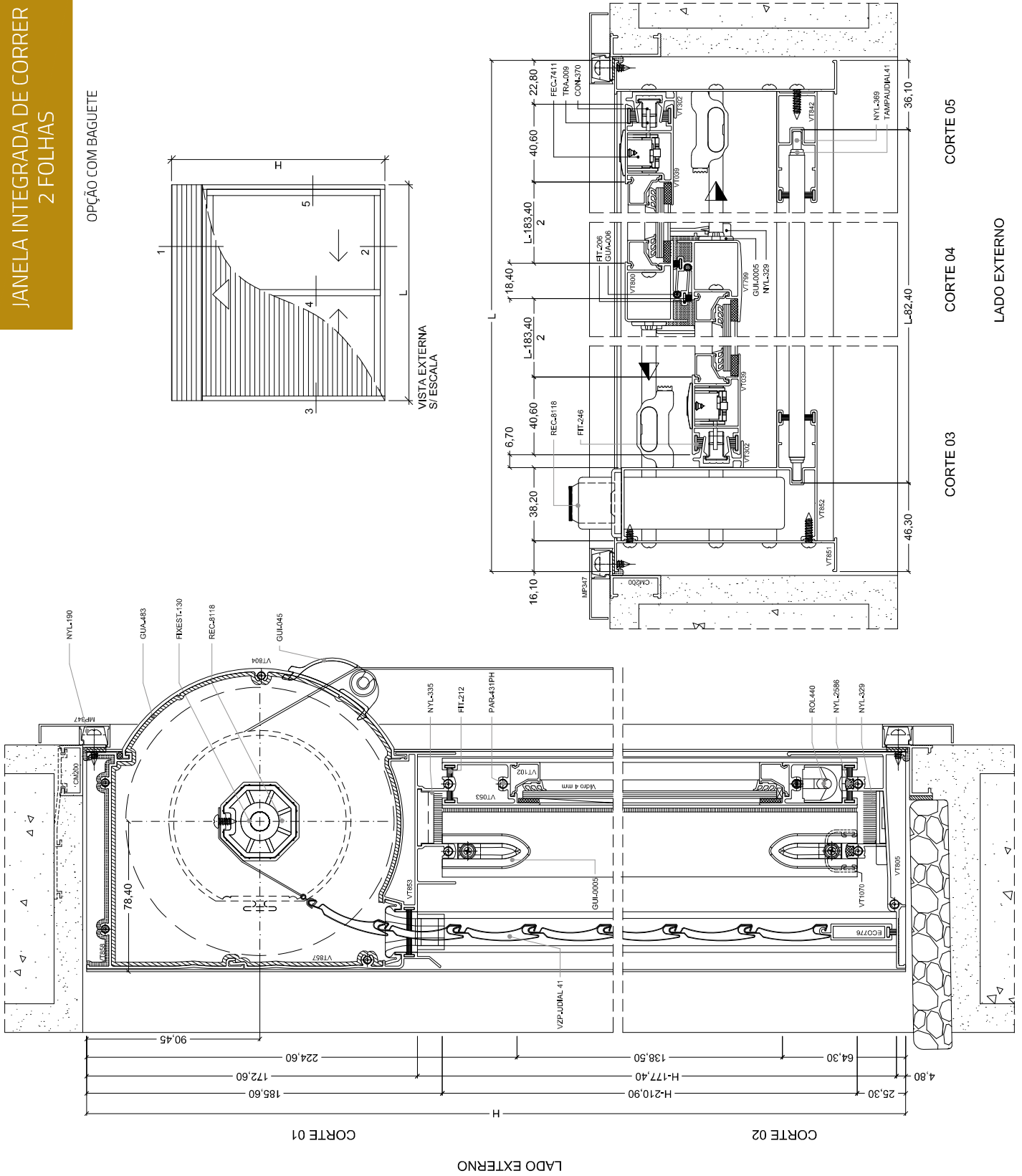
OPÇÃO SEM BAGUETE



PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

JANELA INTEGRADA DE CORRER  
2 FOLHAS

OPÇÃO COM BAGUETE

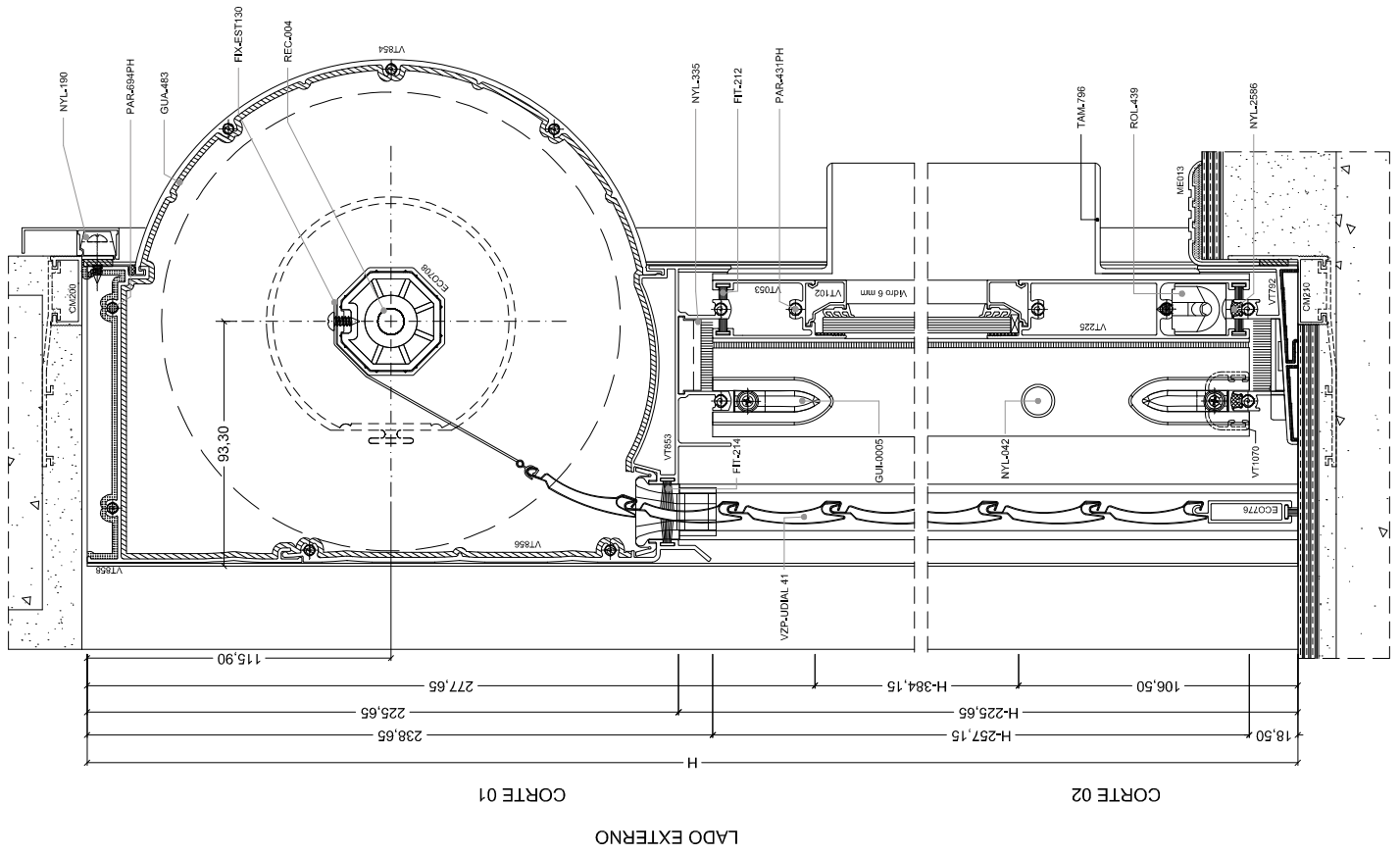
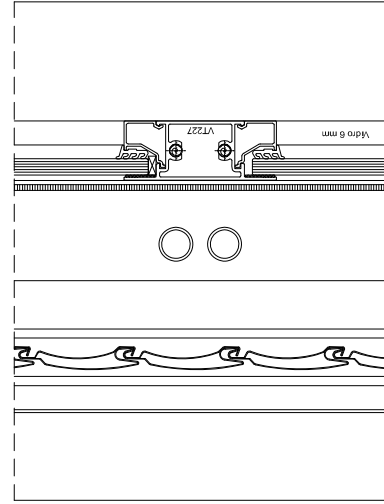
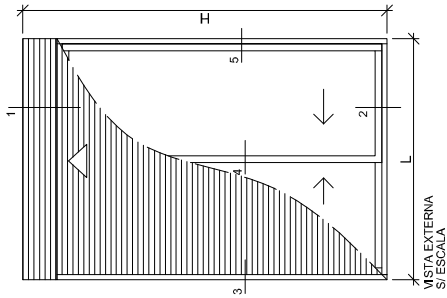


PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.



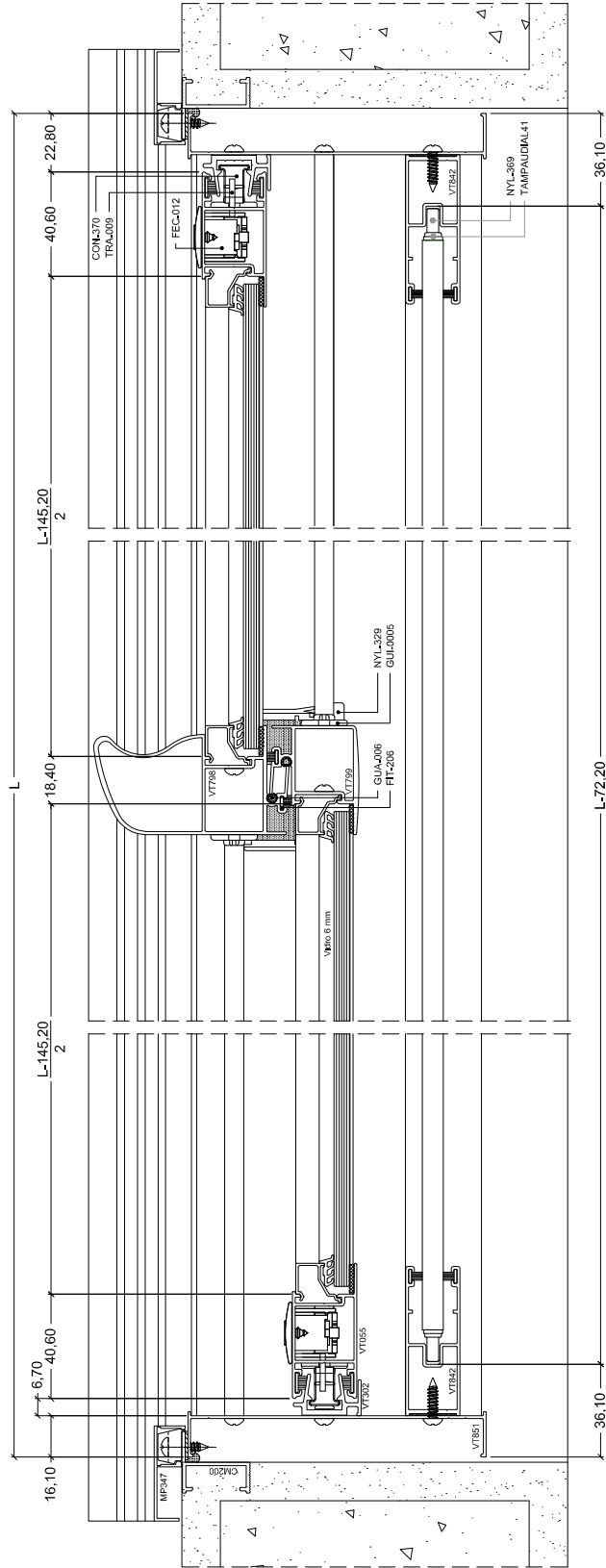
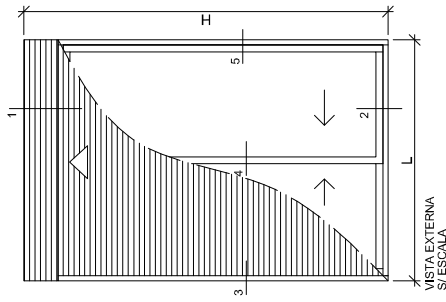
**PORTA INTEGRADA DE CORRER  
2 FOLHAS**

**OPÇÃO COM BAGUETE**



**PORTA INTEGRADA DE CORRER  
2 FOLHAS**

OPÇÃO COM BAGUETE



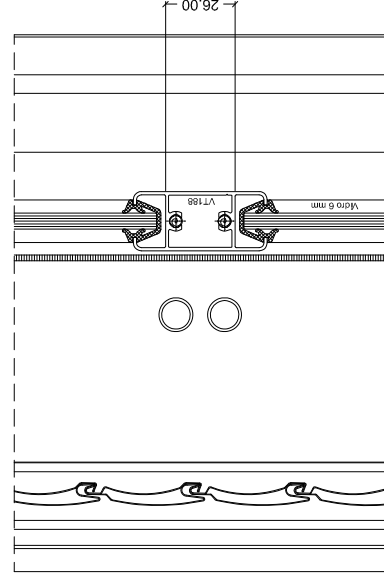
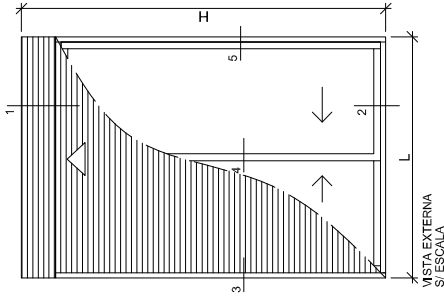
CORTE 03

CORTE 04  
LADO EXTERNO

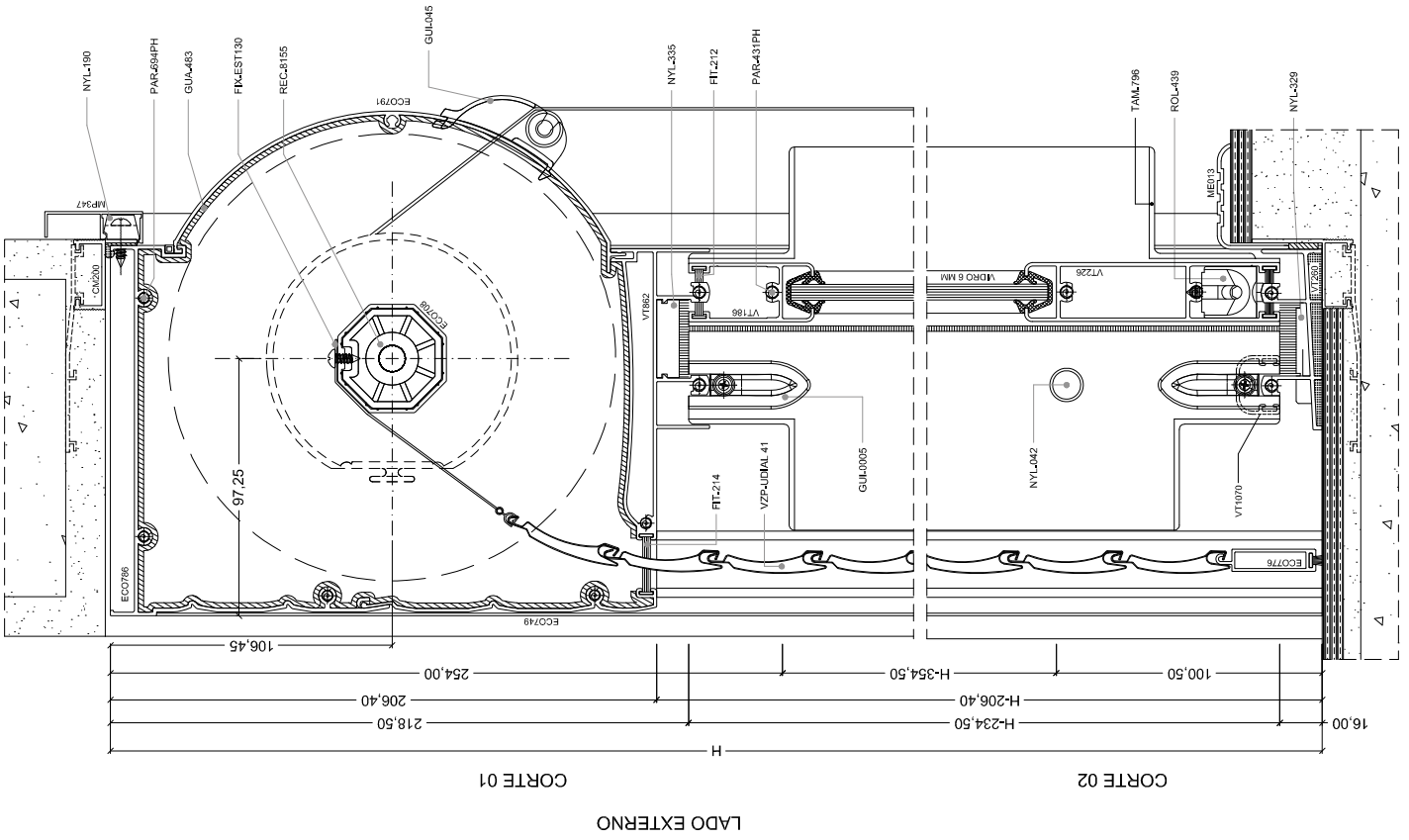
CORTE 05

PORTA INTEGRADA DE CORRER  
2 FOLHAS

OPÇÃO SEM BAGUETE



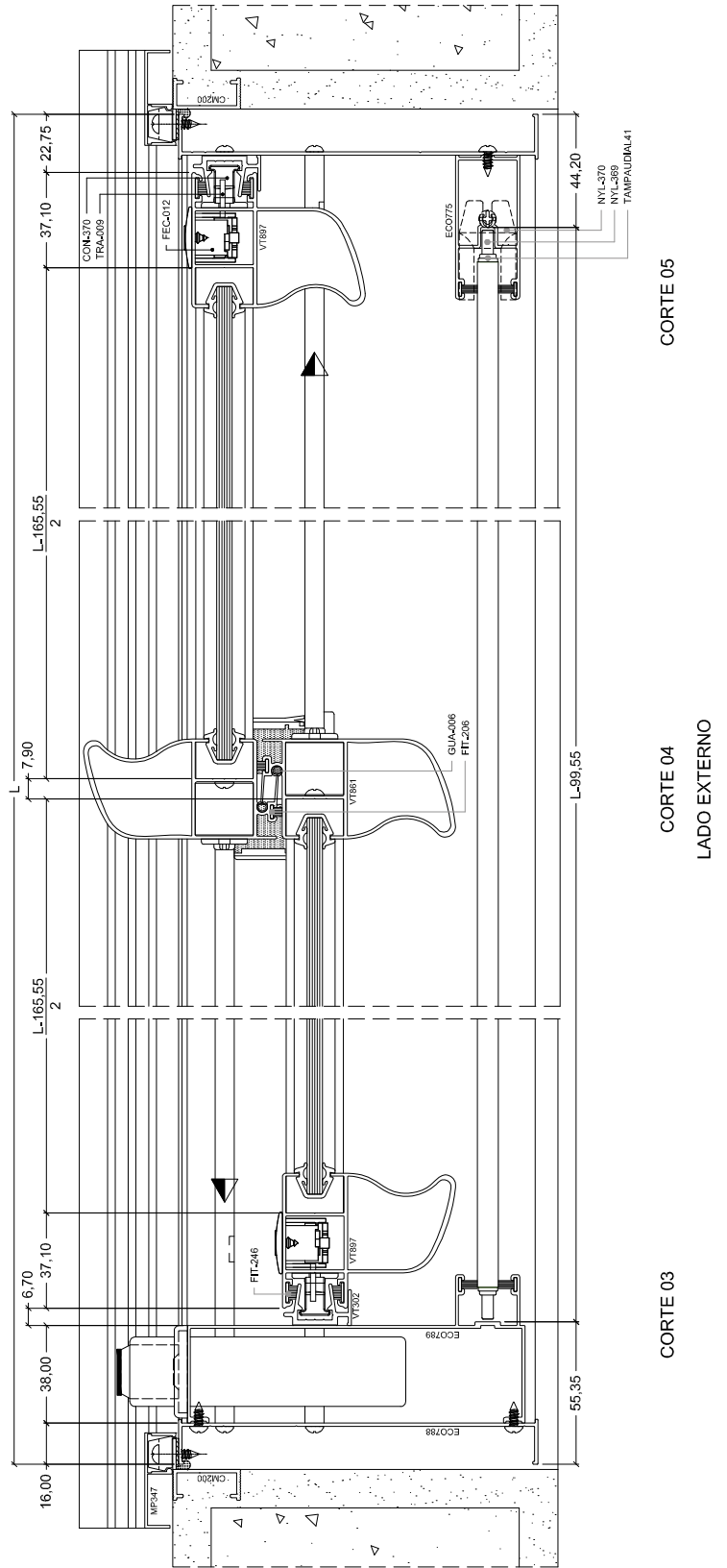
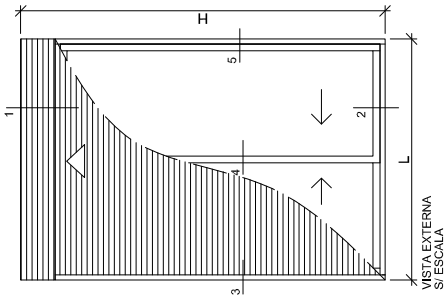
CORTE OPÇÃO C/ TRAVESSA



PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

**PORTA INTEGRADA DE CORRER  
2 FOLHAS**

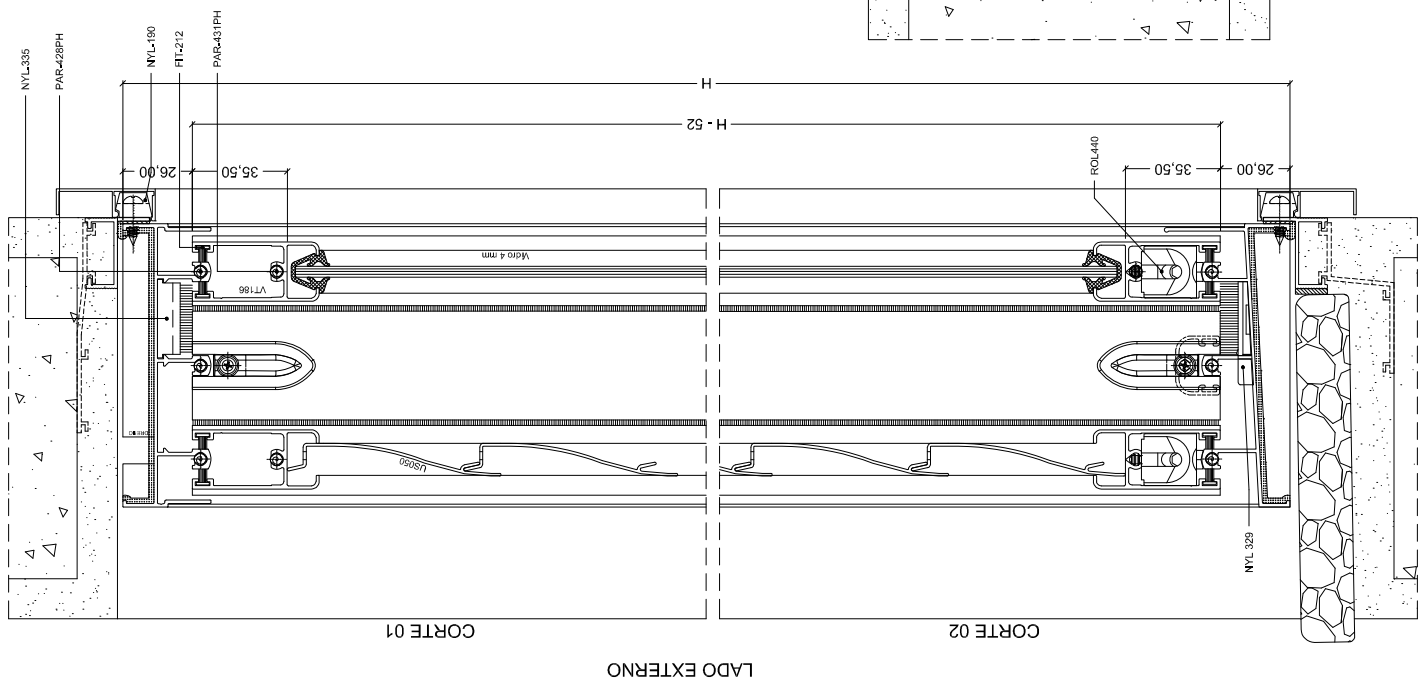
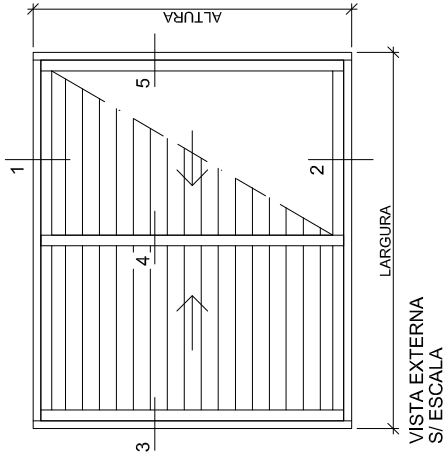
OPÇÃO SEM BAGUETE





PORTA INTEGRADA DE CORRER  
2 FOLHAS

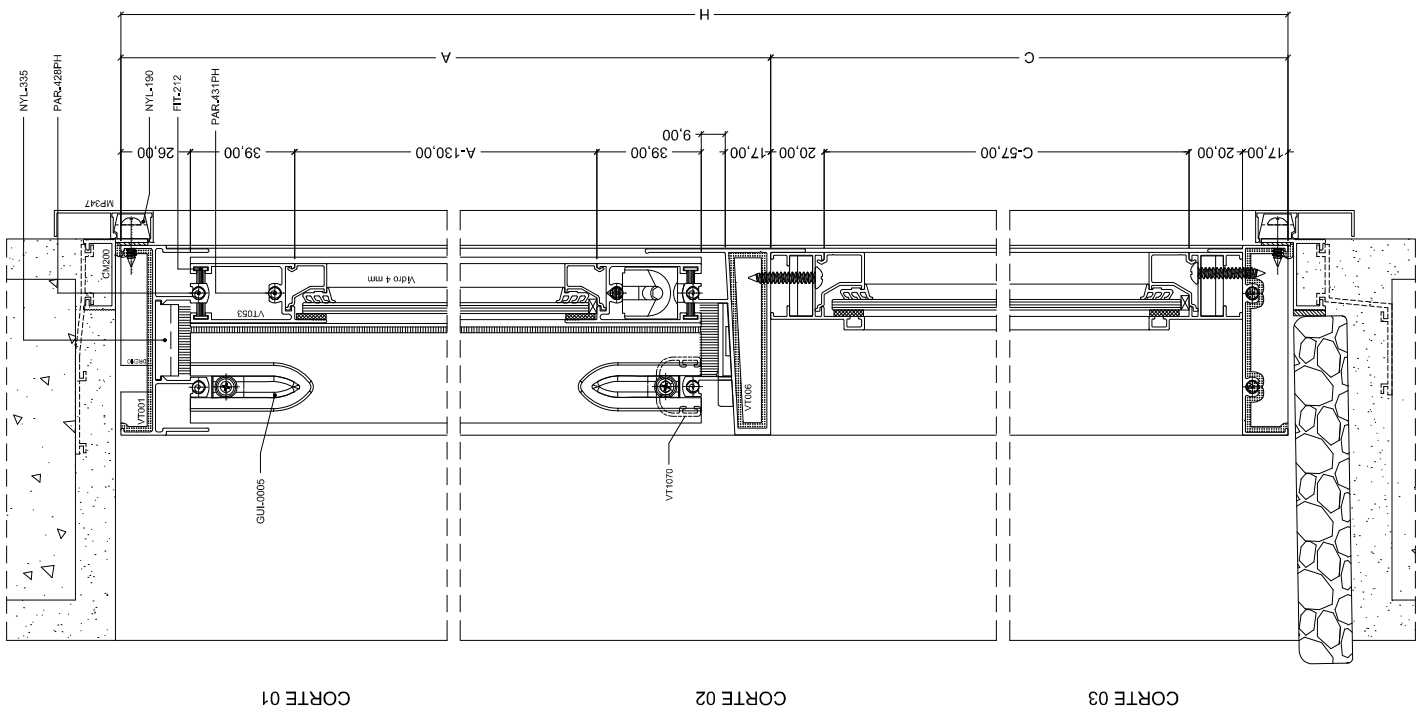
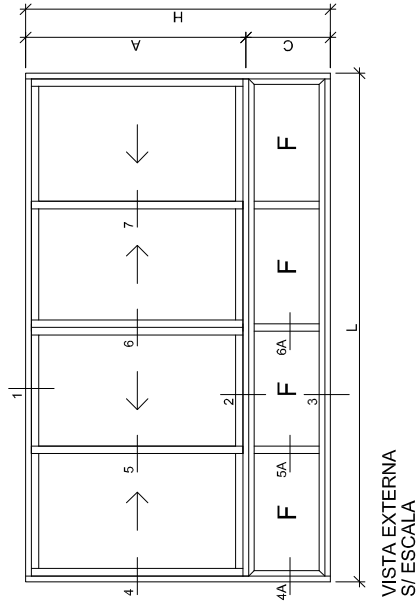
OPÇÃO SEM BAGUETE



PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

JANELA DE CORRER 4 FOLHAS  
COM PEITORIL FIXO

OPÇÃO COM BAGUETE

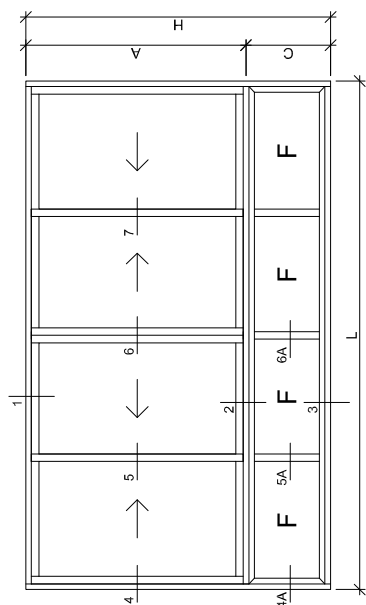


LADO EXTERNO

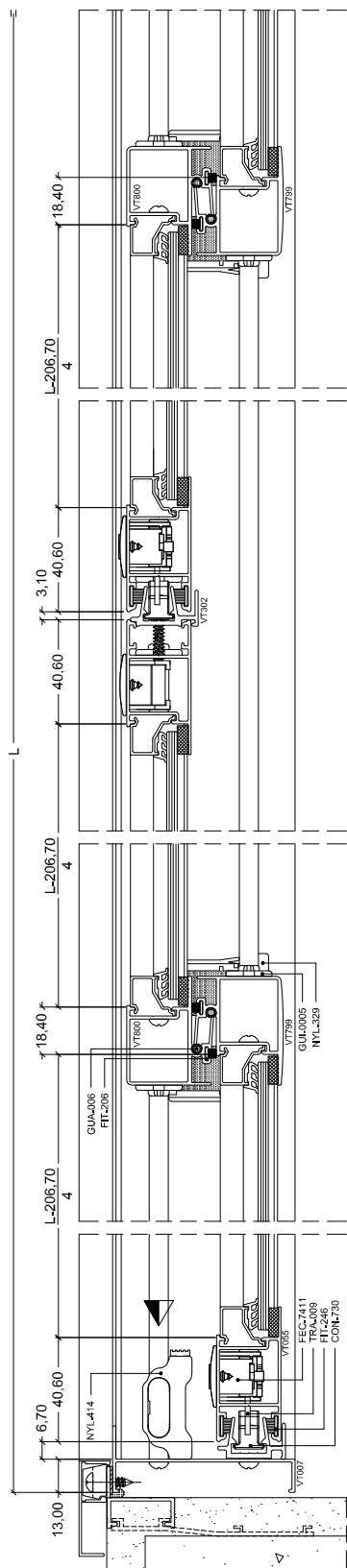
PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

JANELA DE CORRER 4 FOLHAS  
COM PEITORIL FIXO

OPÇÃO COM BAGUETE



VISTA EXTERNA  
S/ ESCALA

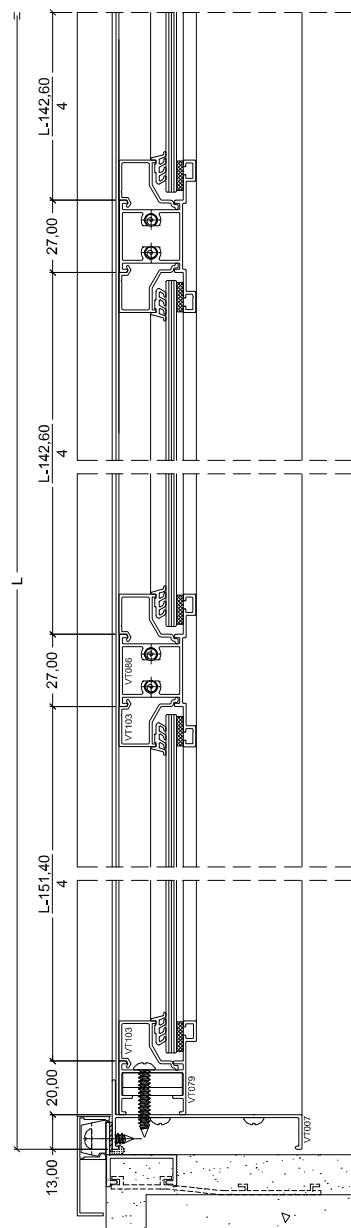


CORTE 04

CORTE 05

CORTE 06

CORTE 07



CORTE 4A

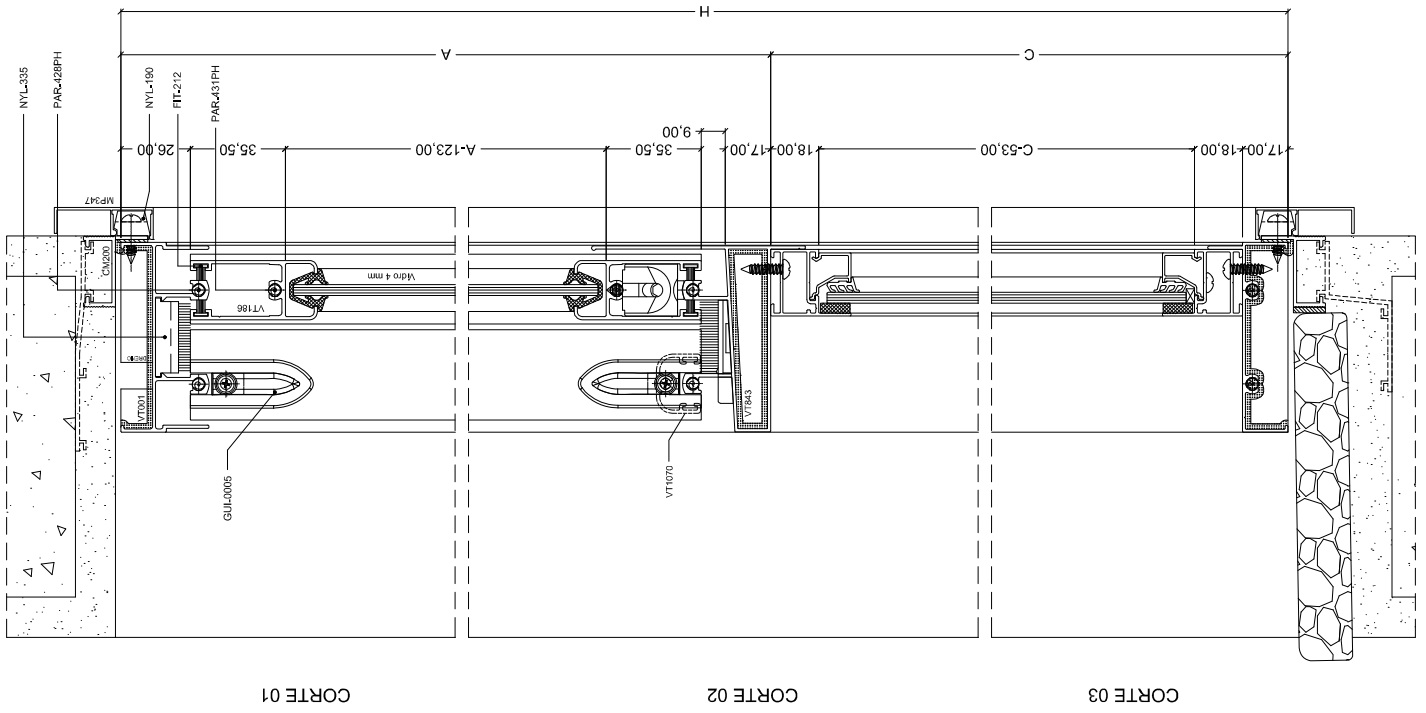
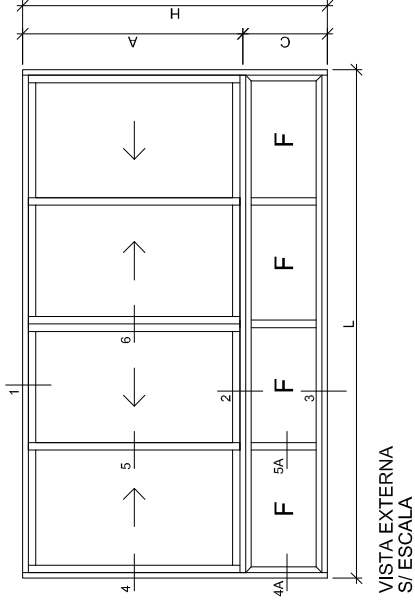
CORTE 5A

CORTE 6A

LADO EXTERNO

JANELA DE CORRER 4 FOLHAS  
COM PEITORIL FIXO

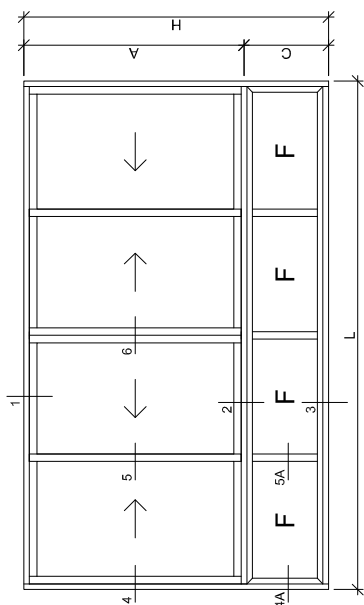
OPÇÃO SEM BAGUETE



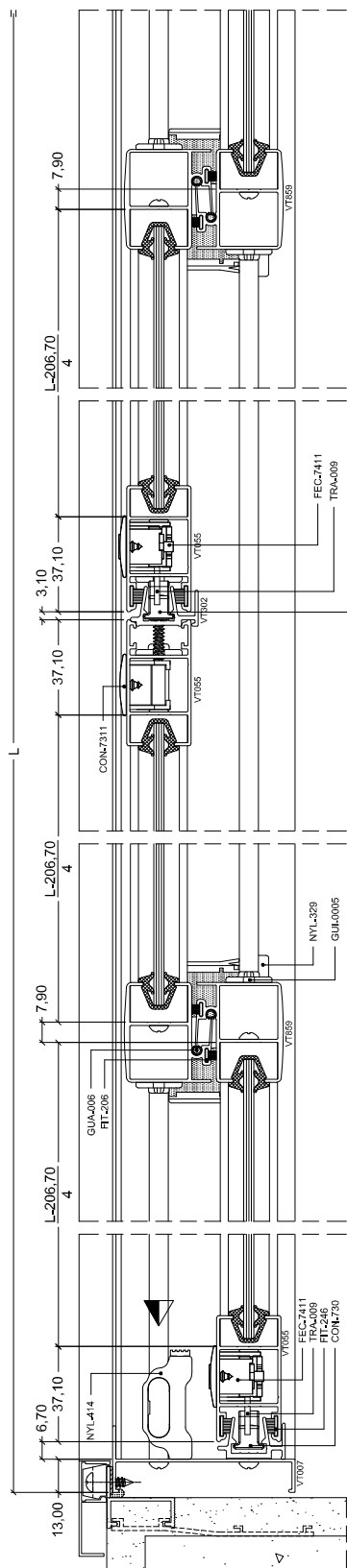
PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

JANELA DE CORRER 4 FOLHAS  
COM PEITORIL FIXO

OPÇÃO SEM BAGUETE



VISTA EXTERNA  
S/ ESCALA

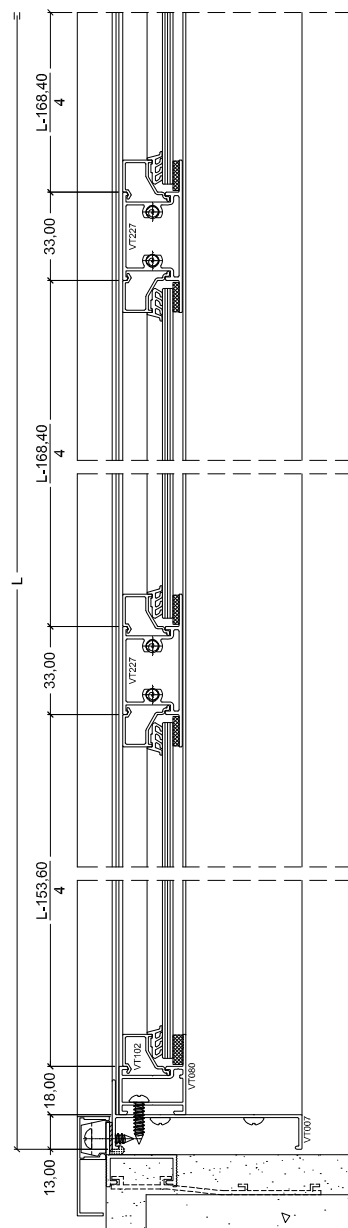


CORTE 04

CORTE 05

CORTE 06

CORTE 07



CORTE 4A

CORTE 5A

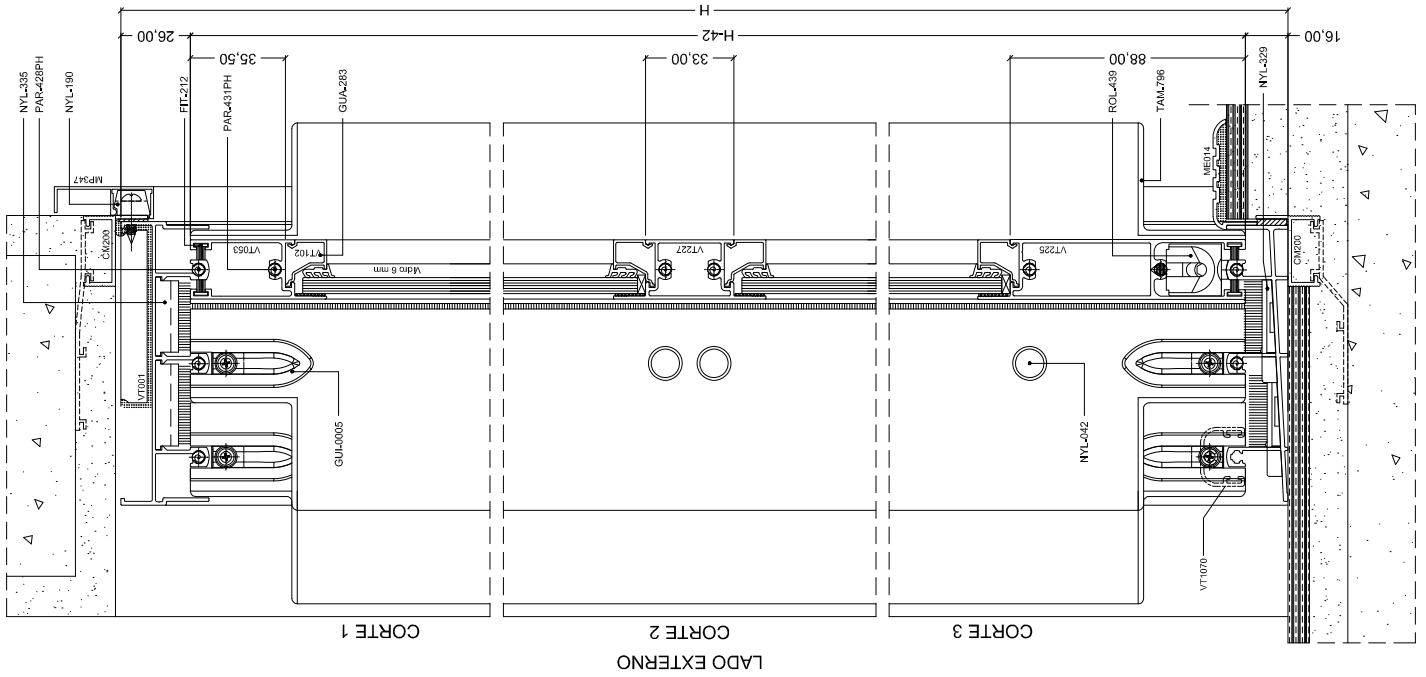
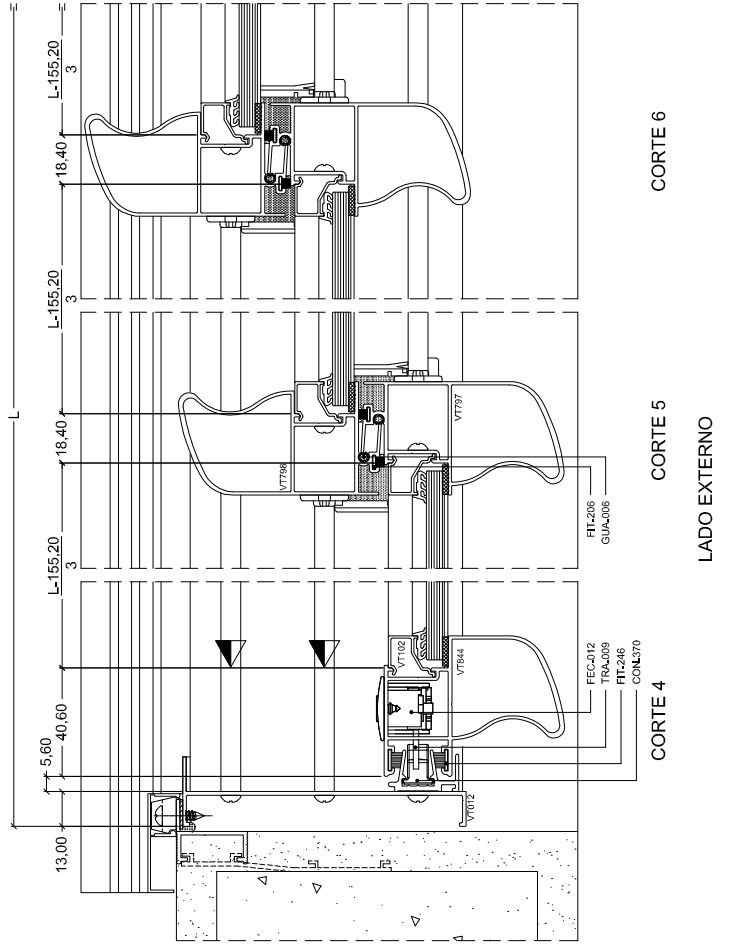
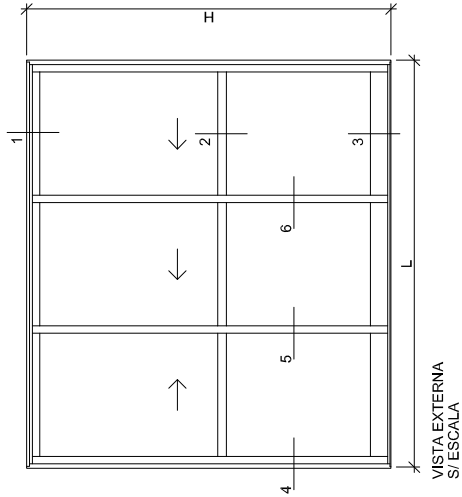
CORTE 6A

LADO EXTERNO

PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

## PORTA DE CORRER 3 FOLHAS

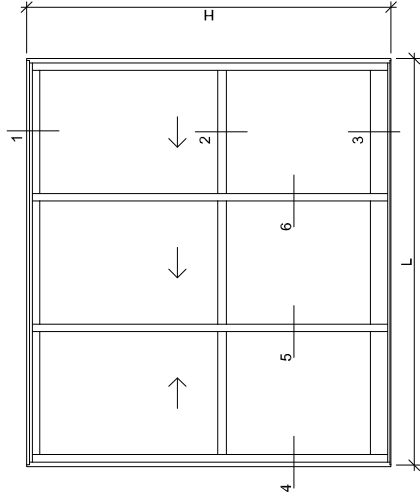
OPÇÃO COM BAGUETE



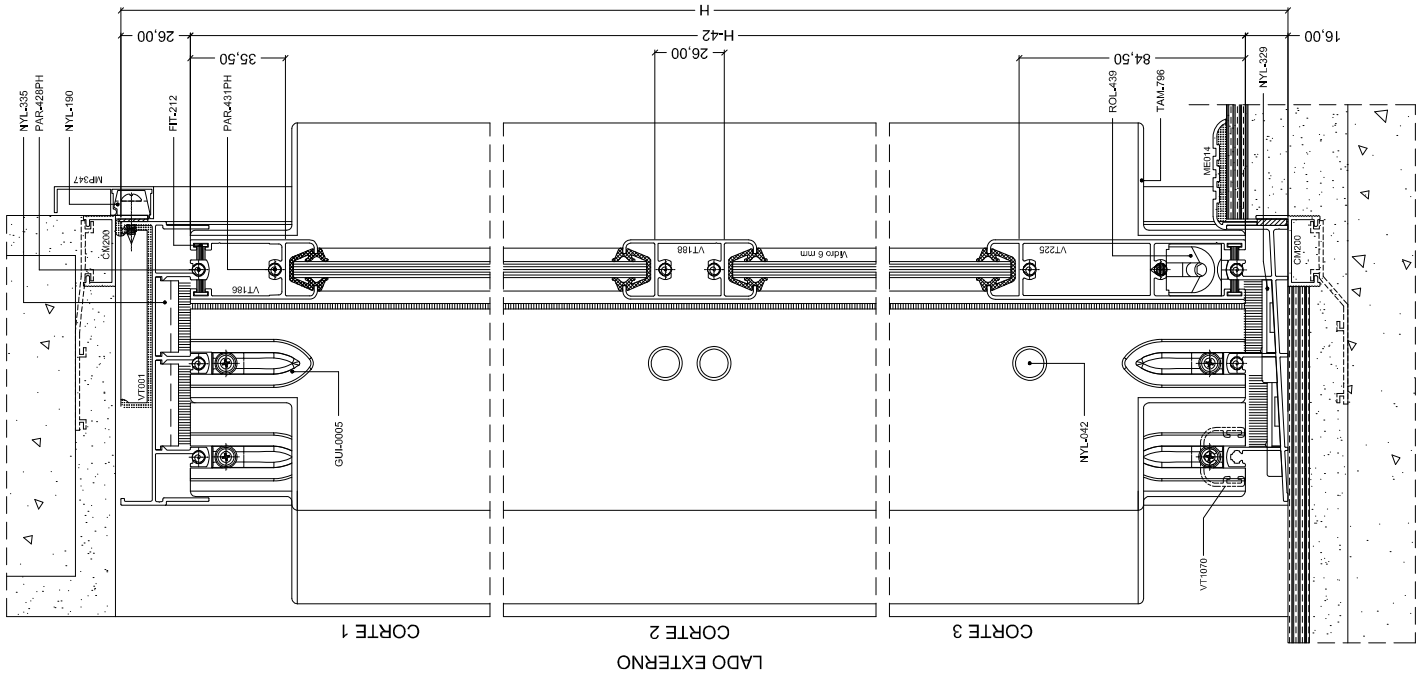
PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

PORTA DE CORRER 3 FOLHAS

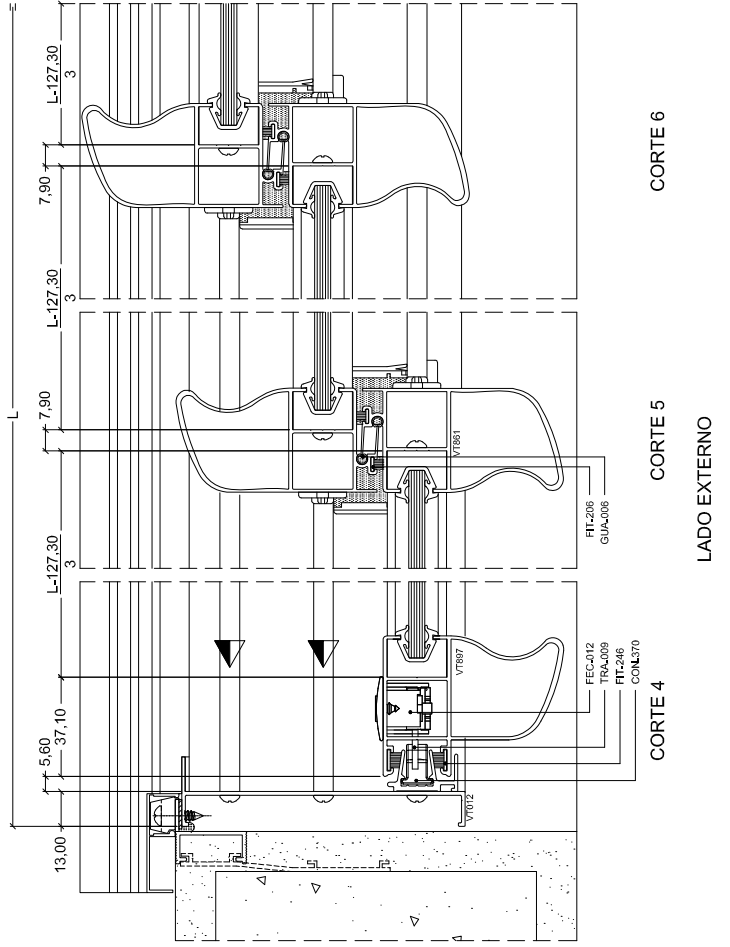
OPÇÃO SEM BAGUETE



VISTA EXTERNA  
S/ ESCALA



LADO EXTERNO



CORTE 6

CORTE 5

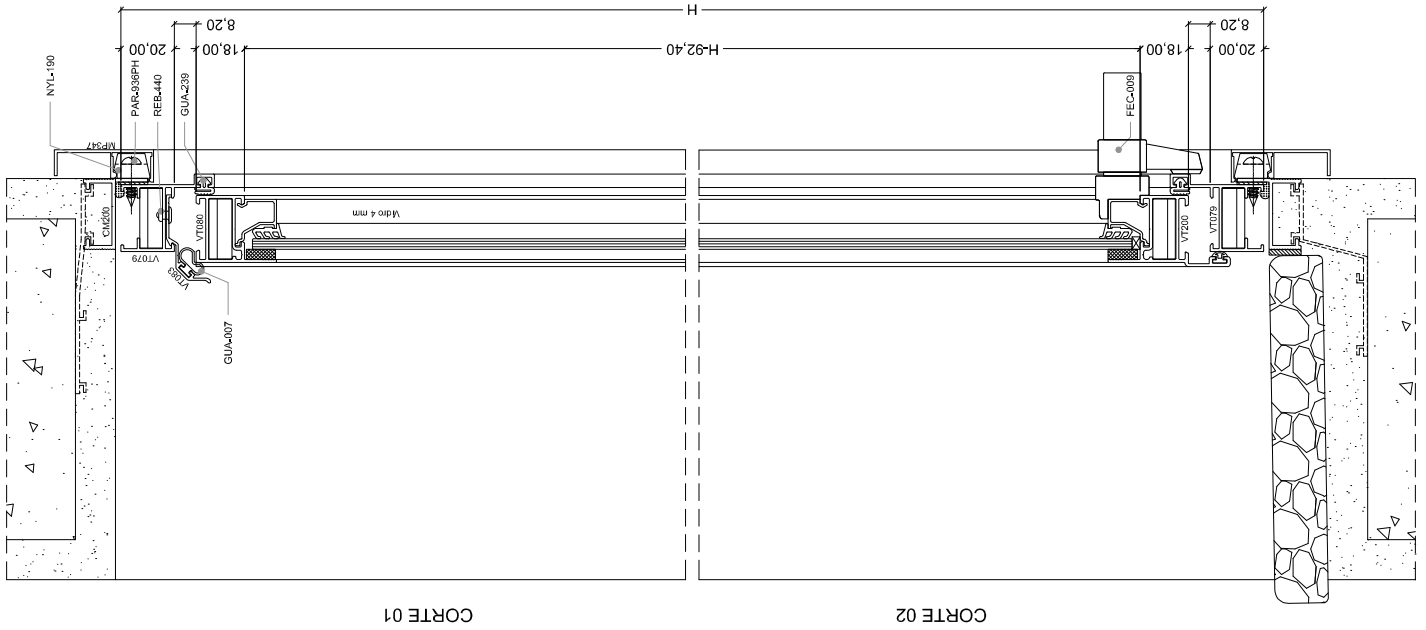
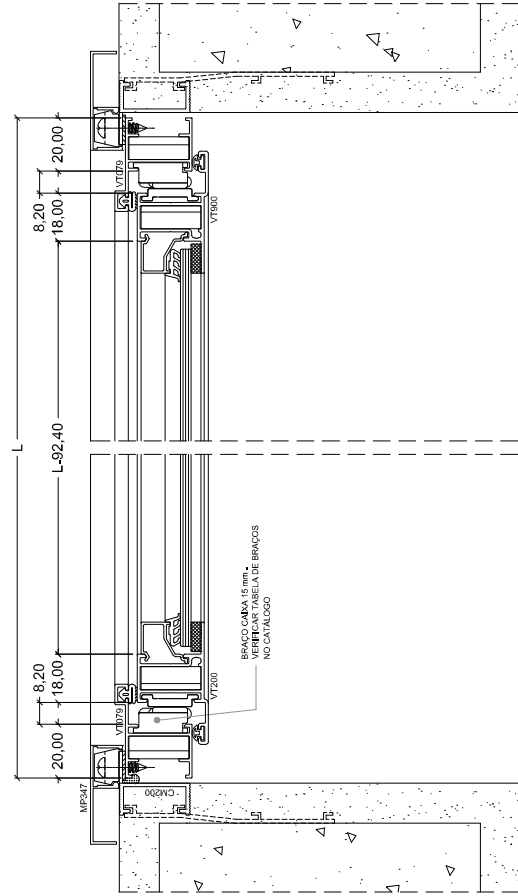
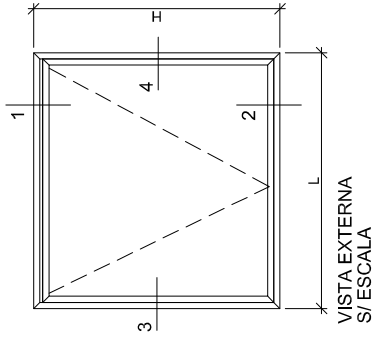
CORTE 4

LADO EXTERNO

PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

JANELA MAXIM-AR 1 FOLHA

OPÇÃO COM BAGUETE

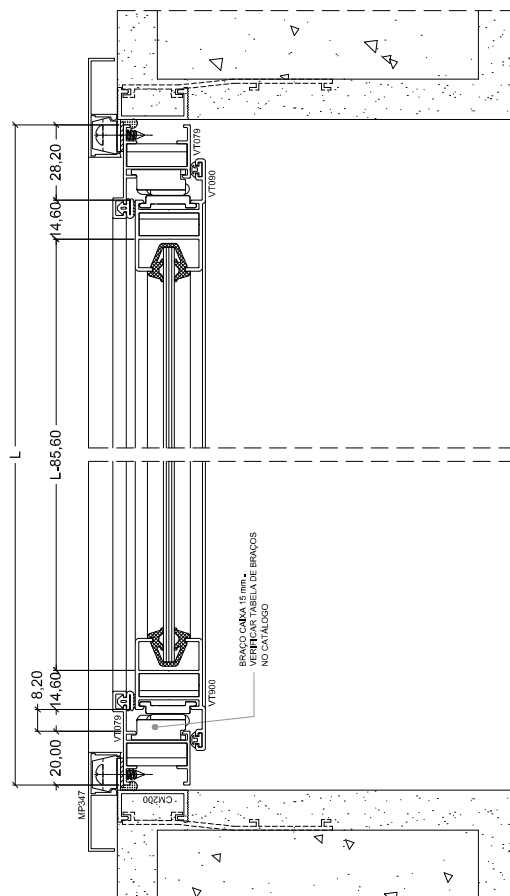
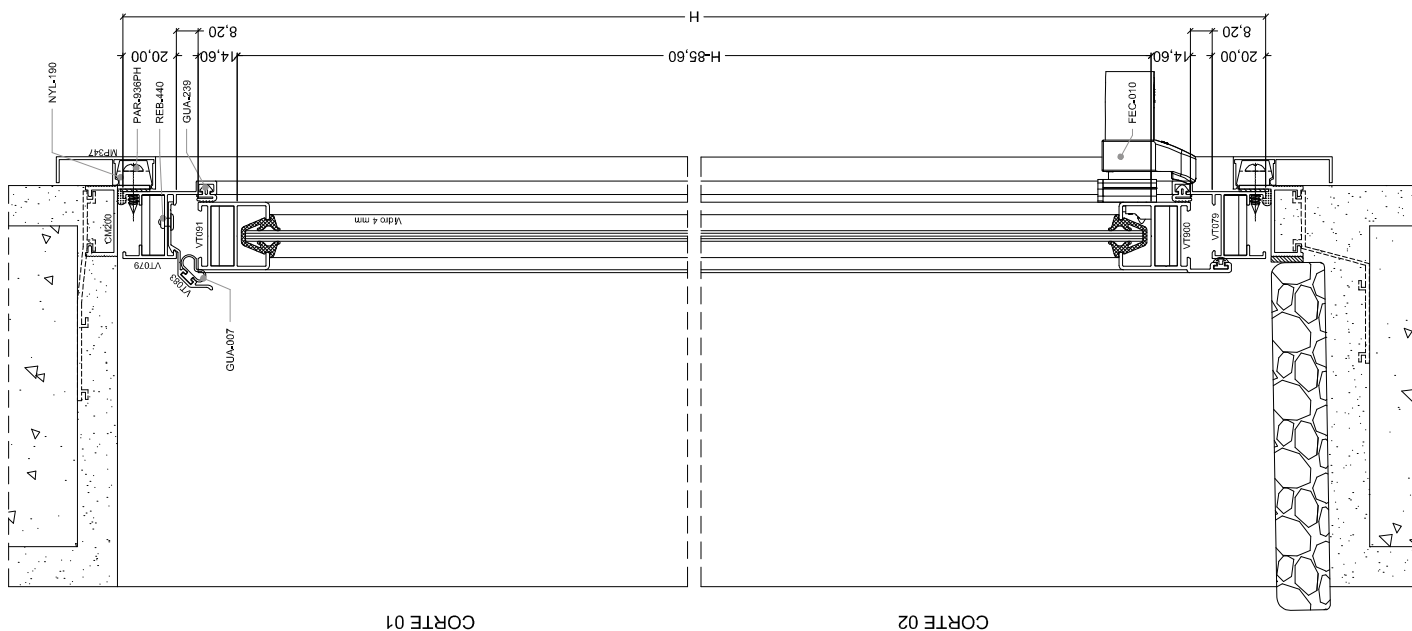
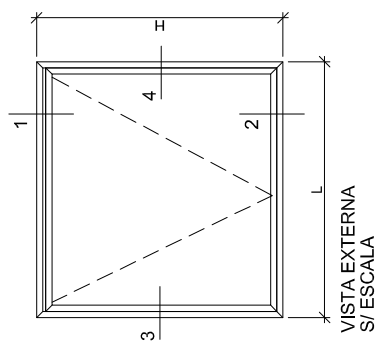


PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.



JANELA MAXIM-AR 1 FOLHA

OPÇÃO SEM BAGUETE



LADO EXTERNO

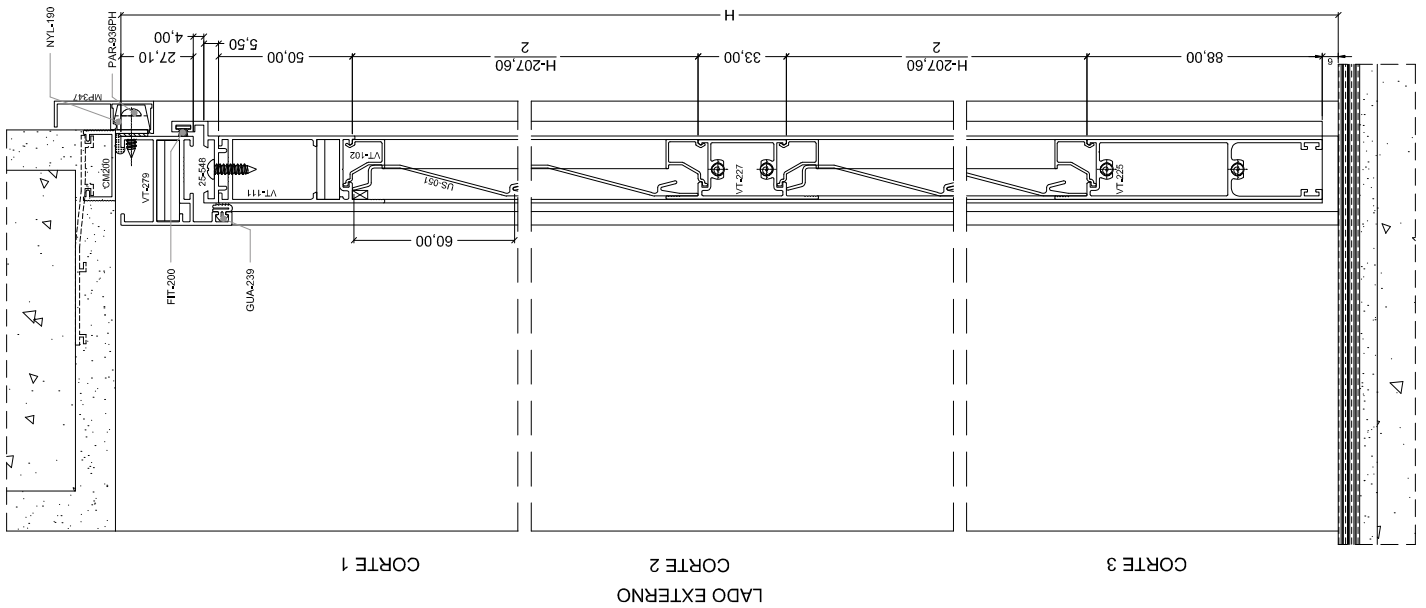
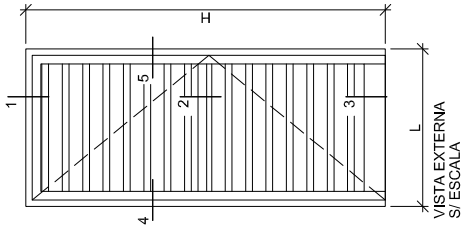
CORTE 04

LADO EXTERNO

CORTE 03

**PORTA DE GIRO 1 FOLHA  
COM VENEZIANA**

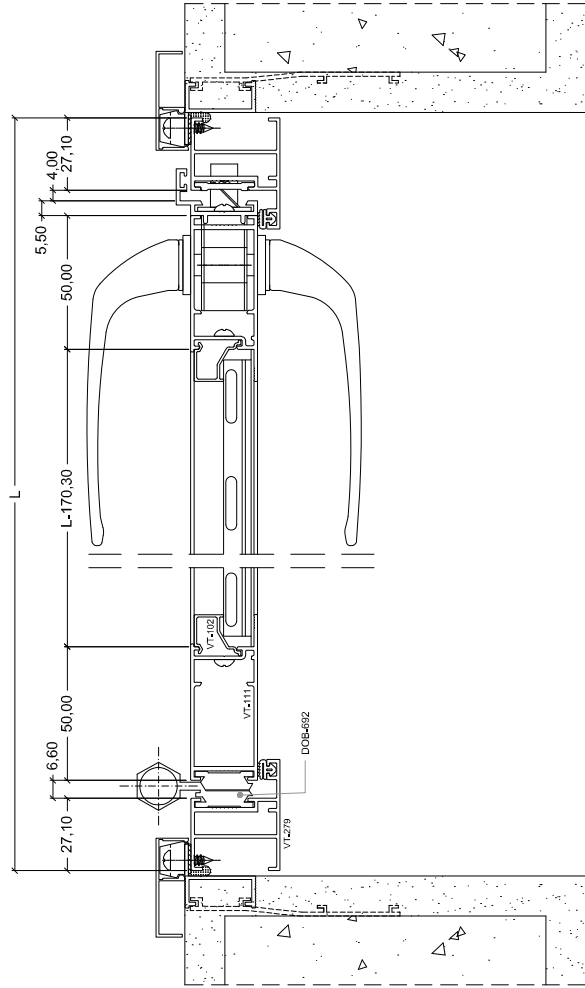
OPÇÃO SEM BAGUETE



CORTE 1

LADO EXTERNO  
CORTE 2

CORTE 3



CORTE 04

CORTE 05

LADO EXTERNO







Sistema  
**EcoLine 2.5<sup>®</sup>**

SISTEMAS  
CONSTRUTIVOS  
EXCLUSIVOS

EcoLine 1.6<sup>®</sup>

EcoLine 2.5<sup>®</sup>

UNION<sup>®</sup>

□ chroma<sup>®</sup>

EuroSHOW<sup>®</sup>

CUST·K

GradLine<sup>®</sup>

ECOGRID<sup>®</sup>

EcoStick<sup>®</sup>

WALLFrame<sup>®</sup>

PERFIL Bond



PERFILSOLAR

MOVELEIRA

IMPLEMENTOS  
RODOVIÁRIOS



**PERFIL**  
O ALUMÍNIO DO BRASIL



abral ASSOCIAÇÃO  
BRASILEIRA  
DO ALUMÍNIO

AFEAL ASSOCIAÇÃO DOS FABRICANTES  
DE ESQUADRIAS DE ALUMÍNIO